#### NEW YORK STATE PUBLIC SERVICE COMMISSION

#### CASE 17-E-0238

PROCEEDING ON MOTION OF THE COMMISSION AS TO THE RATES, CHARGES, RULES AND REGULATIONS OF NIAGARA MOHAWK POWER CORPORATION D/B/A NATIONAL GRID FOR ELECTRIC SERVICE

#### **CASE 17-G-0239**

PROCEEDING ON MOTION OF THE COMMISSION AS TO THE RATES, CHARGES, RULES AND REGULATIONS OF NIAGARA MOHAWK POWER CORPORATION D/B/A NATIONAL GRID FOR GAS SERVICE

#### CASE 14-M-0042

PETITION OF NIAGARA MOHAWK POWER CORPORATION D/B/A NATIONAL GRID FOR AUTHORIZATION TO DEFER AN ACTUARIAL EXPERIENCE PENSION SETTLEMENT LOSS FOR FISCAL YEAR 2014

#### CASE 12-G-0202

PETITION OF NIAGARA MOHAWK POWER CORPORATION D/B/A NATIONAL GRID TO MODIFY ITS EXISTING GAS SAFETY METRIC

#### **JOINT PROPOSAL**

#### By and Among:

Niagara Mohawk Power Corporation
d/b/a National Grid
New York State Department of Public
Service Staff
Multiple Intervenors
Pace Energy and Climate Center
Environmental Defense Fund
International Brotherhood of Electrical
Workers, Local Union 97
New York Geothermal Energy
Organization, Inc.
Tesla, Inc.

Dated: January 19, 2018

City of Buffalo
City of Albany
City of Syracuse
ChargePoint, Inc.
Great Eastern Energy
Mirabito Natural Gas
Blue Rock Energy, Inc.
Direct Energy Services, LLC
New York State Office of General
Services
Wal-Mart Stores East, LP and Sam's
East, Inc.
New York Power Authority

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## STATE OF NEW YORK PUBLIC SERVICE COMMISSION

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Case 17-E-0238 – Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of Niagara Mohawk Power Corporation d/b/a National Grid for Electric Service

Case 17-G-0239 – Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of Niagara Mohawk Power Corporation d/b/a National Grid for Gas Service

Case 14-M-0042 – Petition of Niagara Mohawk Power Corporation d/b/a National Grid for Authorization to Defer an Actuarial Experience Pension Settlement Loss for Fiscal Year 2014

Case 12-G-0202 – Petition of Niagara Mohawk Power Corporation d/b/a National Grid to Modify its Existing Gas Safety Metric

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#### **JOINT PROPOSAL**

This Joint Proposal ("Joint Proposal") is made this 19th day of January 2018, by and among Niagara Mohawk Power Corporation d/b/a National Grid ("Niagara Mohawk" or "Company"), New York State Department of Public Service Staff ("Staff"), Multiple Intervenors, Pace Energy and Climate Center ("Pace"), Environmental Defense Fund ("EDF"), International Brotherhood of Electrical Workers, Local Union 97, New York Geothermal Energy Organization, Inc., Tesla, Inc., City of Buffalo, City of Albany, City of Syracuse, ChargePoint, Inc., Great Eastern Energy, Mirabito Natural Gas, Blue Rock Energy, Inc., Direct Energy Services, LLC, the New York State Office of General

Services ("OGS"), Wal-Mart Stores East, LP and Sam's East, Inc., and the New York Power Authority ("NYPA")<sup>1</sup> (collectively, the "Signatory Parties").<sup>2,3</sup>

This Joint Proposal establishes a three-year rate plan for Niagara Mohawk's electric and gas businesses and resolves or establishes a framework for resolving all issues raised in Cases 17-E-0238 and 17-G-0239 ("Rate Cases"). Additionally, this Joint Proposal resolves all issues raised in the Company's petitions in Case 14-M-0042<sup>4</sup> ("Pension Settlement Loss Petition") and the petition dated June 22, 2016 in Case 12-G-0202<sup>5</sup> ("Gas Safety Metric Petition").

## I. <u>Procedural Background</u>

## 1. Rate Cases

On April 28, 2017, Niagara Mohawk filed tariff leaves and supporting testimony and exhibits for new rates and charges for electric and gas service to be effective

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OGS and Wal-Mart Stores East, LP and Sam's East, Inc. sign this Joint Proposal in support of Case 17-E-0238 and take no position with respect to Case 17-G-0239. NYPA signs this Joint Proposal in support of the street light issues in Case 17-E-0238 and takes no position with respect to any other issues.

In addition, the Public Utility Law Project of New York, the Utility Intervention Unit of the New York State Department of State's Division of Consumer Protection ("UIU"), Partnership for the Public Good, the North Country Energy Task Force, Advanced Energy Economy Institute, Castleton Power LLC, Indeck-Corinth LP, OSC Manufacturing & Equipment Services, Inc., and Alliance for Solar Choice, while not signing this Joint Proposal, have stated that they will not oppose it.

The parties included on the parties list maintained by the New York State Public Service Commission ("Commission") in these proceedings are referred to as "active parties."

<sup>&</sup>lt;sup>4</sup> Case 14-M-0042, <u>Petition of Niagara Mohawk Power Corporation d/b/a National Grid for</u> Authorization to Defer an Actuarial Experience Pension Settlement Loss for Fiscal Year 2014.

<sup>&</sup>lt;sup>5</sup> Case 12-G-0202, <u>Petition of Niagara Mohawk Power Corporation d/b/a National Grid to Modify its Existing Gas Safety Metric</u>.

April 1, 2018.<sup>6</sup> The new tariffs were designed to increase electric and gas delivery revenues by approximately \$326 million and \$81 million, respectively.

On May 19, 2017, Niagara Mohawk held a technical conference to provide parties with an overview of the rate filings. A subsequent technical conference was held on June 27, 2017 to discuss the Company's Advanced Metering Infrastructure ("AMI") proposal.

Administrative law judges ("ALJs") were appointed to conduct the proceedings and to review Niagara Mohawk's rate filings. On June 1, 2017, the ALJs held a procedural conference that was immediately followed by a technical presentation by the Company discussing various aspects of the rate filings.

On June 7, 2017, the ALJs issued a *Ruling on Schedule* that provided dates for certain activities in the cases, including the filing of parties' initial and rebuttal testimony and hearings. The active parties engaged in extensive discovery throughout the proceedings, with the Company responding to more than 1,750 information requests.

Niagara Mohawk filed corrections and updates testimony and exhibits on July 10, 2017, decreasing the electric and gas revenue requirement to approximately \$261 million and \$70 million, respectively. On August 25, 2017, twelve parties, including Staff, filed testimony and exhibits addressing the Company's filing. Niagara Mohawk and eight other parties each filed rebuttal testimony and exhibits on September 15, 2017.

The rebuttal testimony and exhibits of Niagara Mohawk's depreciation witness was filed on September 28, 2017.

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On May 3 and September 8, 2017, the Secretary issued Notices suspending the effective date of the Company's new rates until March 28, 2018.

## 2. Pension Settlement Loss Petition

On February 28, 2014, the Company filed a petition for authorization to defer an actuarial experience pension settlement loss for fiscal year ("FY") 2014, the year ending March 31, 2014. The Company filed supplements to the petition on August 13, 2014 and September 2, 2015. The total loss for which the Company sought deferral treatment was \$14.093 million.

#### 3. Gas Safety Metric Petition

On June 22, 2016, Niagara Mohawk filed a petition in Case 12-G-0202 to: (i) reduce the negative revenue adjustments arising from the operation of the Gas Safety Regulations Performance metric for calendar years ("CY") 2013 and 2014 if the Company achieved certain performance targets in CY 2016; (ii) permit the Company to utilize any negative revenue adjustments resulting from the operation of the Gas Safety Regulations Performance metric in CYs 2013 and 2014 to fund gas safety and compliance improvement programs; and (iii) modify the Gas Safety Regulations Performance metric beginning in CY 2015 to provide for a cap on the number of instances of non-compliance subject to a negative revenue adjustment.

## 4. The Settlement Process

On September 11, 2017, Niagara Mohawk notified the active parties of the commencement of settlement negotiations pursuant to the Commission's settlement procedures set forth in 16 NYCRR § 3.9 and filed a formal notice of impending settlement negotiations with the Secretary.

Settlement negotiations were held on September 19 and 29; October 3-4, 10-11, 13, 16-19, and 26; November 1-3, 7-8, 16, and 27; and December 14, 19, 20, and 22,

2017. All settlement conferences were duly noticed to the active parties and held in person or by telephone. In person conferences included the option to participate via video conference and/or telephone.

To facilitate settlement discussions and allow time to finalize this Joint Proposal, on September 20, October 24, and November 22, 2017, Niagara Mohawk filed requests to extend the suspension period (most recently through July 1, 2018), subject to a make whole provision that would restore the Company to the same financial position it would have been in had there been no extension and new rates went into effect on April 1, 2018.

This Joint Proposal is the product of the active parties' settlement negotiations and was developed pursuant to, and in accordance with, the Commission's settlement procedures. The Signatory Parties believe that this Joint Proposal represents a fair and reasonable resolution of the issues presented in these proceedings and satisfies the requirements of Public Service Law § 65(1) that Niagara Mohawk provide safe and adequate service at just and reasonable rates.

#### II. Overall Framework

The Signatory Parties have developed a comprehensive set of terms and conditions for a three-year rate plan for Niagara Mohawk's electric and gas businesses. The terms and conditions of this rate plan are set forth below and in the attached Appendices. Specifically, this Joint Proposal addresses the following topics:

- 1. Effective Date and Term;
- 2. Electric and Gas Revenue Requirements;
- 3. Electric Revenue Allocation and Rate Design;
- 4. Gas Revenue Allocation and Rate Design;

- 5. Computation and Disposition of Excess Earnings;
- 6. Electric Capital and Common Investment Levels and Infrastructure and Operations Programs;
- 7. Gas Capital Investment Levels and Infrastructure and Operations Programs;
- 8. Information Services;
- 9. Street Lighting;
- 10. Electric and Gas Reconciliations, Deferrals, and True-ups;
- 11. Electric and Gas Customer Service Quality Assurance Program and Other Performance Metrics;
- 12. Gas Safety Performance Metrics;
- 13. Customer Programs;
- 14. Earnings Adjustment Mechanisms;
- 15. Miscellaneous Provisions; and
- 16. Other Provisions.

#### III. <u>Definitions</u>

"Effective Date" means April 1, 2018, or such other date as the Commission may determine.

"Rate Year One" means April 1, 2018 through March 31, 2019.

"Rate Year Two" means April 1, 2019 through March 31, 2020.

"Rate Year Three" means April 1, 2020 through March 31, 2021.

The three rate years are collectively referred to herein as "Rate Years" and individually as a "Rate Year."

## IV. Rate Plan

## 1. <u>Effective Date and Term</u>

The term of Niagara Mohawk's electric and gas rate plan is three years, beginning April 1, 2018 and continuing through March 31, 2021 ("Rate Plan"). For administrative reasons, certain targets and mechanisms are on different twelve month schedules (*e.g.*, CY periods), as provided herein. In addition, unless specifically noted in this Joint Proposal, all terms of this Joint Proposal will continue in effect until changed by the Commission.

#### 2. Electric and Gas Revenue Requirements

## 2.1 Rate Plan Revenue Requirements

This Joint Proposal provides for a Rate Year One electric revenue requirement increase of \$159.974 million and a gas revenue requirement increase of \$45.524 million, a Rate Year Two electric revenue requirement increase of \$31.014 million and a gas revenue requirement increase of \$5.344 million, and a Rate Year Three electric revenue requirement increase of \$49.801 million and a gas revenue requirement increase of \$9.951 million.

The components of the electric and gas revenue requirements are set forth in Appendix 1, Schedules 1 and 2. The revenue requirements are based on the following parameters:

- a. a return on equity ("ROE") of 9.0 percent<sup>8</sup> for the term of the Rate Plan that reflects (i) a stay-out premium and (ii) annual productivity savings that are incremental to productivity savings otherwise imputed in the revenue requirements.
- b. a capital structure and overall cost of capital consisting of the following components and rates:

## Rate Year One

	% of Capital	Annual Cost	Weighted Cost Percent	Weighted Cost Pre Tax
Long-Term Debt	51.06%	4.29%	2.19%	2.19%
Customer Deposits	0.48%	0.35%	0.00%	0.00%
Preferred Stock	0.46%	3.66%	0.02%	0.03%
Common Equity	48.00%	9.00%	4.32%	5.85%
<b>Total Capital</b>	100.00%		6.53%	8.07%

## Rate Year Two

	% of Capital	Annual Cost	Weighted Cost Percent	Weighted Cost Pre Tax
Long-Term Debt	51.06%	4.19%	2.14%	2.14%
Customer Deposits	0.48%	0.35%	0.00%	0.00%
Preferred Stock	0.46%	3.66%	0.02%	0.03%
Common Equity	48.00%	9.00%	4.32%	5.85%
Total Capital	100.00%		6.48%	8.02%

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One pre-tax basis point is equivalent to approximately: (i) \$0.342 million and \$0.080 million in electric and gas revenues, respectively, in Rate Year One; (ii) \$0.364 million and \$0.086 million in electric and gas revenues, respectively, in Rate Year Two; and (iii) \$0.387 million and \$0.093 million in electric and gas revenues, respectively, in Rate Year Three. These values are illustrative and will be updated based on actual data available as of December of each Rate Year for purposes of calculating negative or positive revenue adjustments.

Rate Year Three

	% of Capital	Annual Cost	Weighted Cost Percent	Weighted Cost Pre Tax
Long-Term Debt	51.06%	4.13%	2.11%	2.11%
Customer	0.48%	0.35%	0.00%	0.00%
Deposits				
Preferred Stock	0.46%	3.66%	0.02%	0.03%
Common Equity	48.00%	9.00%	4.32%	5.85%
<b>Total Capital</b>	100.00%		6.45%	7.99%

- c. A 48 percent common equity ratio.
- d. A Rate Year One electric rate base of \$5.261 billion and a gas rate base of \$1.232 billion, a Rate Year Two electric rate base of \$5.605 billion and a gas rate base of \$1.323 billion, and a Rate Year Three electric rate base of \$5.952 billion and a gas rate base of \$1.432 billion.
- e. Niagara Mohawk's electric and common depreciation rates have been updated and are set forth in Appendix 1, Schedule 3. The Company's gas transmission plant and distribution plant depreciation rates previously adopted by the Commission in Case 12-G-0202 will continue without change and are included for reference in Appendix 1, Schedule 4. The current gas general plant depreciation rates previously adopted by the Commission in Case 08-G-0609 will also continue without change and are included for reference in Appendix 1, Schedule 4.

#### 2.2 Rate Plan Deferral Credits

To promote rate stability and mitigate bill impacts for customers, over the term of the Rate Plan,<sup>9</sup> the Company will credit electric customers with a portion of the forecast electric deferral balance in the amount of \$200.4 million and credit gas customers with a portion of the forecast gas deferral balance in the amount of \$56.1 million. The credits will allow for a gradual transition to full cost-of-service rates (*i.e.*, step increases from Rate Year One to Rate Year Two, from Rate Year Two to Rate Year Three, and from Rate Year Three to the twelve-months ending March 31, 2022), as reflected in Appendix 2, Schedule 3.5 for electric, and in Appendix 3, Schedules 2 and 3 for gas.

The deferral credits will be calculated by taking a pro rata share from the overall projected deferred credit balances, as illustrated in Appendix 5, Schedule 23 for electric and Appendix 6, Schedule 20 for gas. The allocation of credits to the electric and gas service classes is discussed in Sections 3.4 and 4.4, respectively, below.

#### 2.3 Rate Plan Settlement Deferral Credit

As of the Effective Date, Niagara Mohawk will create a new electric deferral credit of \$44.88 million and a new gas deferral credit of \$28.42 million ("Rate Plan Settlement Credits"). In addition to creating the Rate Plan Settlement Credits, the Company will reduce pension funding in the internal reserve required under the Commission's *Statement of Policy and Order Concerning The Accounting and Ratemaking Treatment for Pension and Post-Retirement Benefits Other than Pensions* (issued September 7, 1993) in Case 91-M-0890 ("Pension & OPEB Statement of Policy")

For certain rate classes, this includes using credits in the twelve-month period ending March 31, 2022 to mitigate bill impacts at the conclusion of Rate Year Three.

by \$7.0 million in Rate Year One. The Rate Plan Settlement Credits and the internal reserve pension funding will resolve, with prejudice, the following:

- a. all issues associated with the Staff Policy Panel's testimony that the Company should be required to write-off approximately \$87.7 million of undepreciated investment in retired pre-Automated Meter Reading ("AMR") meters;
- b. all issues associated with the treatment of bonus depreciation related to capital investments made during the period January 1, 2013 through March 31, 2016, as raised in the testimony of the Staff Accounting Panel;
- c. all issues raised by the Company's petitions in Case 14-M-0042 to defer a
   FY 2014 actuarial experience pension settlement loss;
- d. all issues associated with negative revenue adjustments arising from the operation of the Company's Gas Safety Regulation Performance metric for CYs 2013 through 2015 and the Company's Gas Safety Metric Petition. There will be no changes to the operation of the Gas Safety Metric for the period prior to January 1, 2018. This Joint Proposal does not address the outcomes of the CY 2016 or CY 2017 field and record Gas Safety audits, or associated negative revenue adjustments; <sup>10</sup> and
- e. all issues associated with the Staff Gas Rates Panel's testimony in these proceedings that the Company should refund Lost and Unaccounted For ("LAUF") gas benefits allegedly retained by the Company as a result of gas usage on inactive accounts.

Niagara Mohawk will use (i) \$8.971 million of the gas Rate Plan Settlement Credits to fund Gas Safety programs that are more fully described in Section 7.5 of this

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Any negative revenue adjustments associated with CY 2016 or CY 2017 will be deferred and dedicated to the improvement of the safety of the Company's gas network.

Joint Proposal and (ii) \$5 million to fund future gas safety and compliance improvement programs, as discussed in Section 7.5.

The Company will use \$6.2 million of the electric Rate Plan Settlement Credits in each Rate Year (\$18.6 million in total) to amortize an equivalent amount of its undepreciated investment in pre-AMR meters. The unamortized balance of pre-AMR meter investment will remain in the Company's rate base. The Signatory Parties will not propose to require the Company to write-down any of its investment in pre-AMR meters in any future proceeding. This does not preclude further amortization of the remaining balance of pre-AMR meter investment with rate base treatment on any unamortized balance.

#### 2.4 Make Whole Provision

To the extent Commission approval of this Joint Proposal occurs after April 1, 2018, Niagara Mohawk will recover the revenue shortfall resulting from the extension of the suspension period through a make whole provision. The make whole provision is designed to ensure that, by March 31, 2019, Niagara Mohawk is restored to the same financial position it would have been in had rates gone into effect on April 1, 2018.

Niagara Mohawk will calculate any revenue adjustments as the difference between (i) sales revenues Niagara Mohawk would have billed at new rates, net of deferral sur-credits and NYPA Energy Efficiency Transition Implementation Plan ("ETIP") credits, during the extension of the suspension period and (ii) the level of sales revenue at current rates. The revenue adjustments will include all applicable surcharges and carrying charges, and be subject to reconciliation in accordance with all applicable

adjustment mechanisms (including revenue decoupling, where applicable). Financial true-up targets established in this Joint Proposal, as well as depreciation and amortization expense, will be applied to the extension of the suspension period. All accounting/ratemaking will be in accordance with this Joint Proposal and be effective as of April 1, 2018. An example of the make whole calculation is set forth in Appendix 1, Schedule 6.

## 3. <u>Electric Revenue Allocation and Rate Design</u>

## 3.1 Retail Delivery Electric Revenue Forecast

The retail delivery electric revenue forecast used to develop base rates and the reconciliation to total electric Operating Revenue for the Rate Years is set forth in Appendix 2, Schedule 1.

#### 3.2 Electric and Street Lighting Revenue Allocation

Rate Year One revenue will be allocated to service classes as shown on Appendix 2, Schedule 2. Revenues in Rate Year Two and Rate Year Three will be allocated to all classes using system average increases, as shown on Appendix 2, Schedule 2.

#### 3.3 Electric and Street Lighting Rate Design

Niagara Mohawk's existing electric and street lighting rate design will continue with the modifications described in the sections below, and as shown on Appendix 2, Schedule 3. Bill impacts resulting from this rate design are shown in Appendix 2, Schedule 8.

#### 3.3.1 Electric

- a. The Company will include the costs of the electric ETIP in base electric delivery rates, as described in Section 13.2.1. Allocation of electric ETIP costs will be as set forth in Appendix 2, Schedule 11. The Signatory Parties agree that this allocation methodology does not create any binding precedent for future proceedings. The Company will apply a credit to maintain current exemptions from the System Benefit Charge ("SBC").
- b. The customer charges for SC-3A and SC-3 are shown in the table below. The customer charges applicable to other service classes and the other voltage delivery levels within SC-3 and SC-3A will remain at existing levels.

	Current	Rate Year 1	Rate Year 2	Rate Year 3
SC-3 Secondary	\$260.15	\$325.00	\$390.00	\$455.00
SC-3 SubT/Tran	\$565.23	\$639.00	\$712.00	\$786.00
SC-3A Secondary/Primary	\$1,000.00	\$1,333.33	\$1,666.67	\$2,000.00
SC-3A SubT	\$1,400.00	\$1,744.00	\$2,088.00	\$2,432.00
SC-3A Tran	\$3,500.00	\$4,007.00	\$4,513.00	\$5,020.00

- c. SC-7 (standby rates) will be modified as follows:
- i. To qualify as an Environmentally Advantageous Technology ("EAT") under SC-7, the NO<sub>x</sub> emissions rates must be less than or equal to 1.4 lbs/MWh. Units that have completed a Coordinated Electric System Interconnection Review ("CESIR") study by April 1, 2018 in accordance with the previously applicable standard will be grandfathered.

- ii. Energy storage technologies with inverter capability of up to 1MW also will qualify as EATs.
- iii. The percentage of "local" and "shared" costs to be recovered through the Contract Demand Charge and the As Used Daily Demand Charge, respectively, will be modified, as shown in Appendix 2, Schedule 5.

## 3.3.2 Street Lights

- a. The street light class returns will be set equal to the system average return after the rate increase.
- b. Pricing exception facilities will receive the system average percentage increase each year, and pricing exception treatment at existing locations will continue; provided, however, that if changes are made to one or more components of a pricing exception facility combination, pricing exception treatment for the affected location will be discontinued thereafter.
- c. The Company's street light rates reflect 10 W billing ranges for customerowned light emitting diodes ("LED"). LED luminaires will be categorized based on ANSI-approved labelled wattage, plus 1 W for the photo-electric control.
- d. Billing changes due to equipment changes will take effect at the beginning of the customer's next billing cycle to avoid mid-cycle adjustments.

#### 3.4 Deferral Credits

# 3.4.1 Allocation of Deferral Credits to Service Class Voltage Delivery Levels

The deferral credits described in Section 2.2 will be allocated to service class voltage delivery levels based on the ratio of delivery revenue at present rates, as shown on Appendix 2, Schedule 3.5. The deferral credits will be applied as a sur-credit that expires on March 31, 2021 (except for SC-1C and SC-2ND, which will expire on March 31, 2022).

## 3.4.2 Service Class Deferral Credits

The service class deferral credits will be charged on a per kWh basis for non-demand classes and on a per kW basis for demand classes in the amounts shown in Appendix 2, Schedules 3.1A, 3.2A, and 3.3A. The service class deferral credits will be applied to delivery load, including all NYPA load. The deferral credits will not be applied to load served at Empire Zone Rider ("EZR") or Excelsior Jobs Program ("EJP") rates, or to the Street Lighting Service Classifications.

## 3.5 Revenue Decoupling Mechanism

Niagara Mohawk's current RDM (as set forth in the Company's Electric Tariff PSC 220 ("PSC 220") Rule 57) will continue with the following modifications:

a. The RDM will include NYPA load revenue (including ReCharge New York) in each service class's otherwise applicable parent service class target and reconciliation.

- b. The annual target revenues for reconciliation purposes are set forth in Appendix 2, Schedule 6. These revenues will include electric ETIP revenue moved from a surcharge into base rates. The RDM reconciliation period will be a twelve-month fiscal year period (*i.e.*, April 1 through March 31).
- c. The Company will establish a single RDM to be instituted for all Lighting Tariff PSC 214 ("PSC 214") service classes. In the event that the Company transfers street lighting assets to one or more municipalities, the targets will be reduced to reflect changes in facilities charge revenues resulting from such sales.

#### 3.6 Merchant Function Charge

Niagara Mohawk's current Merchant Function Charge ("MFC") (as set forth in PSC 220 Rule 42) will continue with the following modifications:

- a. The commodity-related credit and collections revenue requirement will be set for Rate Year One using the Company's electric Embedded Cost of Service Study ("ECOSS") in this proceeding and held constant thereafter. The amounts are shown in Appendix 2, Schedule 7.1 for all three Rate Years. The kWh rates for the commodity-related credit and collections component of the MFC will be based on forecast full-service and purchase of receivables ("POR") kWh in each customer group. The commodity-related credit and collections target revenue for each Rate Year is \$4.044 million.
- b. The commodity-related uncollectible account expense components are shown in Appendix 2, Schedule 7.2 for all three Rate Years.
- c. The electric supply procurement revenue requirement will be set for Rate
  Year One using the Company's electric ECOSS in this proceeding and held constant

thereafter. The rates for electric supply procurement are shown in Appendix 2, Schedule 7.3 for all three Rate Years. The electric supply procurement target revenue for each Rate Year is \$3.070 million.

d. The commodity-related working capital will be calculated by multiplying the commodity lead/lag percentage by the Company's pre-tax weighted average cost of capital applicable in each Rate Year.

## 3.7 Miscellaneous Electric and Street Lighting Provisions

## 3.7.1 Service Re-Establishment Charge

The re-establishment charges under PSC 220 Rule 9 will be updated as follows:

a. At the meter during normal business hours: \$50.00

b. At the meter after hours: \$64.00

c. At the pole during normal business hours: \$209.00

d. At the pole after hours: \$372.00

The partial re-establishment charges for seasonal customers under PSC 220 Rule 9.2.2 will be updated as follows:

a. At the meter during normal business hours: \$25.00

b. At the meter after hours: \$26.00

c. At the pole during normal business hours: \$45.00

d. At the pole after hours: \$47.00

## 3.7.2 ESCO Disconnection Charge

The charges applicable to a disconnection initiated by an energy service company ("ESCO") for non-payment of the commodity charges will be updated to \$50.00 at the meter and \$209.00 at the pole.

## 3.7.3 Billing Backout Credit

The updated billing charges to ESCOs to issue a consolidated bill will be \$0.98 to an ESCO that supplies electricity to an electric-only customer and \$0.49 to an ESCO that supplies electricity to a dual electric and gas customer. The customer backout credit will equal the ESCO billing charge.

## 3.7.4 Paperless Billing Credit

The paperless billing credit will be updated to \$0.41 per service period.

#### 3.7.5 Incremental Customer Charge

The incremental customer charge assessed to customers that participate in (i) emergency demand response programs; (ii) day-ahead demand response programs; (iii) commercial system relief programs; or (iv) distribution load relief programs is reduced to \$12.42 per month.

## 3.7.6 Expansion of SC-12

The Company will expand the eligibility of SC-12 discounts to include NYPA deliveries.

## 3.7.7 Miscellaneous Changes to PSC 220

a. Tariff Rule 31 (Market Settlement Credit) will be eliminated.

- b. Tariff Rules 34.1.1.1 (Economic Development Rider), 34.1.1.3 (Economic Development Power Rider), and 34.1.1.4 (Power for Jobs) will be eliminated.
- c. The charge for ESCO-requested bill calculations will be eliminated on Leaf 88
- d. Tariff Rule 59 (Temporary Deferral Recovery Surcharge/Credit) will be eliminated.

## 3.7.8 Removed Street Light Facility Offerings

The Company will remove four high intensity diode ("HID") continuous operation closed facilities from the SC-6 offering. The Company does not currently serve any customers with these facilities.

## 3.7.9 Lighting Service Charge; Outage Credit

The Company will update the Lighting Service Charge to \$153.82 per occurrence.

The Company will decrease the SC-3 Outage Credit Allowance to \$0.19 per lamp per night.

#### 3.8 Earnings Adjustment Mechanisms Surcharge

The Company will be permitted to recover earned electric Earnings Adjustment Mechanisms ("EAM") positive revenue adjustments through an EAM surcharge beginning April 1, 2019. The Company will allocate (i) the Peak Reduction EAM using the Coincident Peak allocator, (ii) the Incremental Energy Efficiency, the Residential and Commercial Energy Intensity, and the LED Streetlight EAMs using the energy allocator, and (iii) the Distributed Energy Resources ("DER") Utilization, Interconnection, and the Environmentally Beneficial Electrification EAMs using the Coincident Peak, Non-

Coincident Peak at Primary Voltage, and Energy allocators, each with equal weight. The EAMs will be collected from demand classes through their kW charge and non-demand classes through their kWh charge, including NYPA load, but excluding EZR, EJP, and SC-12 load (if required by the customer's individual contract). An illustrative example of the EAM surcharge is shown in Appendix 2, Schedule 9.

## 3.9 Economic Development/Marginal Cost Rates

The Company will adopt new marginal cost rates effective April 1, 2018, as shown in Appendix 2, Schedule 10. The EZR rate for SC-2 ND customers will be phased in over a five-year period. Niagara Mohawk will also phase in the electric EJP rates over a five-year period for those classes seeing an increase, subject to EJP customers being the lower of EJP rates or standard tariff rates.

## 3.10 Next Base Rate Filing

#### 3.10.1 Sales and Revenue Forecasts

In its next base rate filing, Niagara Mohawk will update its delivery sales and revenue forecasts when it files its corrections and updates to the initial rate filing.

#### 3.10.2 Historical Embedded Cost of Service Study

In its next base rate filing, Niagara Mohawk will submit an historical ECOSS along with its responses to the pre-filing information requests to the active parties in that proceeding. Niagara Mohawk will not be required to use the results of that study for any purpose.

## 3.10.3 Information Services Expense Allocator

In its next base rate filing, Niagara Mohawk will consider a specific allocator for Information Services projects equal to or greater than \$1 million.

## 3.10.4 Minimum System Study

The Company will maintain data necessary to conduct a minimum system study for overhead and underground conductor accounts and transformer accounts and provide the minimum system study in its next base rate filing.

## 4. Gas Revenue Allocation and Rate Design

#### 4.1 Gas Revenue Forecast

The gas revenue forecast at current rates is set forth in Appendix 3, Schedule 1.1. The gas delivery rate revenue forecast used to develop base rates and the reconciliation to total gas Operating Revenue for the Rate Years is set forth in Appendix 3, Schedule 1.2. A summary of Other Revenues for each of the Rate Years is also set forth in Appendix 3, Schedule 1.1.

#### **4.2** Gas Revenue Allocation

The Rate Year One revenue increase will be allocated to service classes as set forth in Appendix 3, Schedule 2. Revenue increases in Rate Years Two and Three will be allocated as set forth in Appendix 3, Schedule 3.

## 4.3 Gas Rate Design

Niagara Mohawk's gas rates will be revised, as shown in Appendix 3, Schedule 4, with the following modifications:

- a. The Company will include the costs of the gas ETIP in base gas delivery rates, as described in Section 13.2.1 below. Allocation of ETIP costs will be as set forth in Appendix 3, Schedule 12. The Signatory Parties agree that this allocation methodology does not create any binding precedent for future proceedings. The SBC exemption will continue for classes SC-6, SC-9, SC-10, SC-12, SC-13, SC-14, and New York State Electric and Gas Corporation ("NYSEG"). There will be no RDM for SC-3, SC-5, and SC-8; therefore, any energy efficiency costs included in base rates for these classes will be separately reconciled with any over/under-recovered amounts to be deferred for future refund to, or recovery from customers, as discussed in Section 10.2.11.
- b. The minimum delivery service charges for the Rate Years are set forth in Appendix 3, Schedules 4.1 through 4.3. The minimum delivery service charge to all service classes will remain the same, except for SC-5 and SC-8 (shown in the table below).

	Current	Rate Year 1	Rate Year 2	Rate Year 3
SC-5	\$522.38	\$555.00	\$587.00	\$620.00
SC-8	\$924.04	\$1,040.00	\$1,155.00	\$1,271.00

- c. Bill impacts resulting from this rate design are shown in Appendix 3, Schedules 5.1 through 5.3.
- d. NYSEG will receive equal percentage increases to its demand charge, customer charge, and block rate.

#### 4.4 Deferral Credits

The deferral credits described in Section 2.2 will be allocated to the firm service classes (including NYSEG but excluding SC-9, SC-10, SC-12, SC-13, and SC-14) proportionate to delivery revenues at present rates using the allocators set forth in Appendix 3, Schedules 2 and 3. The deferral credits will not be allocated to load served at EZR or EJP rates. The deferral credits will be applied as a sur-credit that expires on March 31, 2021 (except for SC-3 and SC-8, which will expire on March 31, 2022).

#### 4.5 LAUF Gas

## 4.5.1 Target and Deadbands

As set forth in Appendix 3, Schedule 8, effective September 1, 2018, the LAUF gas target and deadbands are as follows:

LAUF Target	1.516%
Upper Band	2.516%
Lower Band	0.516%

#### 4.5.2 Inactive Accounts Adjustment

Beginning September 1, 2018, Niagara Mohawk will remove from the LAUF calculation an estimate of gas usage associated with meters that have been inactive for more than 90 days. Inactive meters are those that are not associated with an active customer account. To estimate usage, Niagara Mohawk will develop usage proxies that will be applied to meters that were inactive 90 days or more during each Gas Adjustment Charge ("GAC") period beginning September 1, 2018. To determine the proxies, Niagara Mohawk will calculate a monthly class-average use on inactive meters that

continue to report consumption during the GAC year. The applicable historic reference proxy will be applied to each meter that is inactive 90 days or more to determine the amount of gas to be excluded from the LAUF calculation.

## 4.6 Revenue Decoupling Mechanism

Niagara Mohawk's current RDM (as set forth in Gas Tariff PSC 219 ("PSC 219") Rule 32) will continue with updated revenue-per-customers targets for each of the following six groups: SC-1 Residential Non-heat, SC-1 Residential Heating, SC-2 Small General Residential, SC-2 Small General Commercial, SC-2 Small General Industrial, and SC-7 Small Transportation, and will include gas ETIP revenue moved from a surcharge into base rates, as shown in Appendix 3, Schedules 7.1 through 7.3.

## 4.7 Merchant Function Charge

Niagara Mohawk's current MFC (as set forth in PSC 219 Rule 33) will continue with the following modifications:

a. The MFC annual expense targets and annual reconciliation will be on a Monthly Cost of Gas ("MCG") year (twelve months ending August 31) basis to align the MFC reconciliation with the Company's Cost of Gas reconciliation. The conversion of the annual expense targets of the gas supply procurement and commodity-related credit and collection charge from Fiscal Year to MCG year is shown in Appendix 3, Schedule 6.2. An illustrative example of the stub period (April 1, 2018 to August 31, 2018) reconciliation is shown on Appendix 3, Schedule 6.1.

- b. The MFC will be updated to reflect the Gas Supply Procurement target of \$1.39 million, and the Commodity Related Credit and Collection target of \$1.08 million, as shown in Appendix 3, Schedule 6.2.
- c. The return requirement on gas purchase related to working capital will updated to reflect the lead-lag rate and the Company's pre-tax weighted average cost of capital, as shown in Appendix 3, Schedule 6.3.
- d. The commodity-related credit and collection expense target revenue requirement will be allocated between residential and non-residential customers in the amount of \$1.084 million and \$0.045 million, respectively, as shown in Appendix 3, Schedule 6.3.
- e. The Company will separately reconcile revenues to targets for residential and non-residential commodity-related credit and collection expenses. The Company will reset its commodity-related credit and collection expense per therm charge annually based on the latest sales forecast every September 1, and reconcile the revenue to target, effective the following January of each year.
- f. The commodity-related uncollectible rate, which is 3.2 percent for residential and 0.3 percent for non-residential customers, will be calculated by dividing net write-offs by the sum of (i) total revenue exclusive of Other Gas Revenues; (ii) Late Payment Charge Revenues; and (iii) receivables purchased under the Company's POR program.
- g. The Company will update the discount rate applicable to the purchased receivables to reflect the commodity-related uncollectible percentage and will update the commodity-related credit and collections rates applicable to the POR program that are

being proposed in this case. The credit and collections rate and the uncollectible percentage applicable to ESCOs will equal the Company's MFC charged to its sales customers.

h. The Company will update the return requirement on gas storage inventory target annually based on the latest storage cost forecast and will also update the pre-tax weighted average cost of capital. An illustrative example of the calculation is shown in Appendix 3, Schedule 6.3.

#### 4.8 Statements to be Eliminated and Tariff Modifications

PSC 219 will be revised as follows:

- a. Niagara Mohawk will add language to Leaf 92 that defines the twelvemonth period used to measure total demand costs for purposes of the Average Demand Cost of Gas calculation as September 1 through August 31 of each year.
- b. Niagara Mohawk will add language stating that all monthly tariff statements are available on the Company's website.
- c. Rule 22 (Economic Development Rider), Rule 24 (Economic Revitalization Incentive Rider), and Rule 34 (Deferral Credits) will be eliminated on Leaf 122.7.
- d. The charge for ESCO requested bill calculations will be eliminated from Leaf 190.

#### 4.9 Miscellaneous Gas Provisions

#### 4.9.1 Electric Generation

The Company will modify the balancing provisions of SC-14 to provide that customers will incur no imbalance charges for daily imbalances that are less than or equal to two percent of their daily consumption. Daily imbalances that are less than or equal to two percent will be aggregated on a monthly basis and cashed out at a monthly index price equal to the simple average of the Dominion Northpoint midpoint, Dominion South Point, and the Iroquois receipts midpoint prices. The Company will also modify the balancing provisions that set forth the prices at which daily imbalances are cashed out to reflect the use of these same index prices to determine the daily Gas Sales and Gas Purchase prices. Any discounts or surcharges to any daily price applied to the purchase of gas as a result of an over-delivery or under-delivery, respectively, will be identified as penalties in PSC 219 and Gas Transportation Operating Procedures ("GTOP") manual.

## 4.9.2 Reconnection/Disconnect Charges

The service re-establishment charge during normal business hours is updated to \$50.00. The charge to restore service outside of normal business is updated to \$64.00. Additionally, when the ESCO requests that the Company disconnect service to the ESCO's sales customer for non-payment, the charge to the ESCO is updated to \$50.00.

## 4.9.3 Paperless Billing

The updated paperless billing credit is \$0.41 per service period.

### 4.9.4 Gas Billing Charge

The Company's gas billing charges will be as follows: \$0.98 to an ESCO that supplies gas to a gas-only customer and \$0.49 to an ESCO that supplies gas to a dual gas and electric customer.

#### 4.9.5 Backout Credit Updates

The billing backout credit to gas only customers is updated to \$0.98. The billing backout credit to a dual gas and electric customer that is supplied gas by an ESCO is updated to \$0.49.

#### 4.10 Earnings Adjustment Mechanisms Surcharge

The Company will be permitted to recover earned gas EAM positive revenue adjustments through an EAM surcharge beginning April 1, 2019. The Company will allocate any positive revenue adjustments to the service classes using the Gas Deliveries allocator, and collect any positive revenue adjustments on a per-therm basis, exclusive of EZR and EJP load. The EAM surcharge will be included in the delivery service adjustment ("DSA") recovered from SC-1, SC- 2, SC-3, SC-5, SC-7, SC-8, SC-12, and SC-13 firm sales and firm transportation customers. An example is shown in Appendix 3, Schedule 10.

#### 4.11 Economic Development/Marginal Cost Rates

The Company will adopt new marginal cost rates effective April 1, 2018, as shown in Appendix 3, Schedule 11. Niagara Mohawk will phase in the gas EJP rates over a five-year period for those classes seeing an increase, subject to EJP customers receiving the lower of EJP rates or standard tariff rates. The Company will perform an

annual review of all EJP customer classes that may pay more on EJP marginal rates than on the otherwise applicable standard tariff rate. If that review indicates a customer paid more on EJP rates than on the standard tariff rate, the Company will provide a refund for the difference.

#### 4.12 Next Base Rate Filing

#### 4.12.1 Revenue Forecast

In its next base rate filing, Niagara Mohawk will update its revenue forecast when it files its corrections and updates to the initial rate filing. Additionally, the revenue forecast will utilize heating degree days ("HDDs") from Syracuse for the West Gate sales forecast and HDDs from Albany for the East Gate sales forecast.<sup>11</sup>

The Company will collaborate with Staff to improve its future revenue forecast with regard to input data sanitization, economic variable selection, and statistical tests. Further, the Company will use all data (zero usage to the largest usage in the service class) in its ogive analysis used in future base rate cases.

#### 4.12.2 Historical ECOSS

In its next base rate filing, Niagara Mohawk will submit an historical ECOSS along with its responses to the pre-filing information requests to the active parties in that proceeding. Niagara Mohawk will not be required to use the results of that study for any purpose.

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<sup>&</sup>lt;sup>11</sup> The East Gate is the gates located east of Amsterdam, New York, and the West Gate is the gates located west of Amsterdam, New York.

#### 4.12.3 Information Services Expense Allocator

In its next base rate filing, Niagara Mohawk will consider a specific allocator for Information Services projects equal to or greater than \$1 million.

#### 4.12.4 Minimum System Study/Zero Intercept Study

The Company will develop and maintain the data necessary to conduct a minimum system or zero intercept study for the distribution mains account and will provide the study in its next base rate filing.

#### 4.12.5 Streamline PSC 219

The Company will conduct a study to streamline the general sections of PSC 219 with its downstate affiliates and file a report in its next base rate case.

### 4.12.6 Meeting to Discuss Residential Rate Design

Prior to its next gas base rate filing, the Company will hold a meeting with interested parties to discuss options for gas residential rate design. The input received at the meeting will help inform the Company's next base rate filing.

#### 4.12.7 Gas SC-2/SC-7 Classification Issue

The Company will analyze the eligibility requirements and other terms of service for SC-2 and SC-7. In its next base rate filing, the Company will propose tariff modifications, as appropriate, to ensure that similarly-situated customers are subject to the same delivery rates regardless of their commodity supplier.

### 5. <u>Computation and Disposition of Excess Earnings</u>

#### **5.1** Earnings Report

By August 31 of each year, commencing in CY 2019, the Company will file an earnings report using the methodology described in this Section and shown in Appendix 4. The earnings report will be used for the Earnings Sharing Mechanism set forth in Section 5.3.

The earnings report will calculate Niagara Mohawk's ROE for the preceding Rate Year using a capital structure with an equity component equal to 48 percent and incorporating the adjustments set forth below. In the event Niagara Mohawk does not file for new rates to be effective until after March 31, 2021, the earnings sharing threshold of greater than 9.5 percent for any period of time less than a year before new rates take effect will be prorated to develop a stub period earnings sharing threshold. The stub period will be calculated by adjusting the actual average rate base for that period by an operating revenue ratio factor. The operating revenue ratio factor will be calculated as the ratio of operating revenue during the same partial period in the previous Rate Year to the total operating revenue for that Rate Year. An example of the calculation for the stub period is shown in Appendix 4, Schedule 1.

#### 5.2 Discrete Incentives and Negative Revenue Adjustments

Niagara Mohawk will calculate its ROE by excluding the effects of the following discrete incentives and negative and positive revenue adjustments:

a. Electric and Gas Customer Service Quality revenue adjustments;

- b. Electric Reliability revenue adjustments, which include the Electric Cost Estimating and Inspection and Maintenance metrics;
  - c. Gas Safety Performance revenue adjustments;
  - d. Electric and Gas property tax sharing;
  - e. Gas revenue sharing for capacity release and off-system sales;
  - f. Gas revenue sharing for SC-6, SC-9, and SC-14;
  - g. Gas LAUF;
- h. Electric and Gas Termination and Uncollectible Expense metric revenue adjustments;
  - i. Gas Cost Estimating metric revenue adjustments;
  - j. Electric and Gas EAMs;
  - k. Non-Wires Alternative and Non-Pipeline Alternative revenue adjustments;
  - 1. Information Services Capital Cost Incentive revenue adjustments; and
  - m. Leak prone pipe productivity incentives.

#### **5.3** Earnings Sharing Mechanism

If Niagara Mohawk's actual ROE in any Rate Year, excluding the discrete incentives and negative and positive revenue adjustments identified in Section 5.2, exceeds 9.5 percent, the amount in excess of 9.5 percent will be deemed "shared earnings" for the purposes of this Joint Proposal and be treated as follows:

#### 5.3.1 ROE > 9.5% and $\leq$ 10.0%

If the level of earned ROE for Niagara Mohawk exceeds 9.5 percent but is less than or equal to 10.0 percent, 50 percent of the revenue equivalent of earnings will be deferred for the benefit of customers and 50 percent will be retained by Niagara Mohawk.

#### 5.3.2 ROE > 10.0% and $\leq 10.5\%$

If the level of earned ROE for Niagara Mohawk exceeds 10.0 percent but is less than or equal to 10.5 percent, 75 percent of the revenue equivalent of earnings will be deferred for the benefit of customers and 25 percent will be retained by Niagara Mohawk.

#### 5.3.3 ROE >10.5%

If the level of earned ROE for Niagara Mohawk exceeds 10.5 percent, 90 percent of the revenue equivalent of earnings will be deferred for the benefit of customers and 10 percent will be retained by Niagara Mohawk.

# 6. <u>Electric and Common Capital Investment Levels and Infrastructure and Operations Programs</u>

### **6.1** Capital Investment Levels

Appendix 1, Schedule 5 sets forth the Company's forecast level of electric and common capital and cost of removal (where applicable) investment for each Rate Year. Notwithstanding the specified segment-level spending amounts set forth in Appendix 1, Schedule 5 nothing in this Joint Proposal is intended to limit Niagara Mohawk's flexibility during the term of the Rate Plan to substitute, change, or modify its capital projects.

#### **6.2** Non-Wires Alternatives

In connection with the evaluation, implementation, cost allocation and recovery, incentive calculation and recovery, and other aspects of non-wires alternatives, the Company will follow the process described in Appendix 13.

#### **6.3** Electric Capital Reporting Requirements

The Company will submit periodic reports regarding its electric infrastructure planning and investment to the Commission and Staff as follows:

- a. Distributed System Implementation Plan ("DSIP") in accordance with Cases 14-M-0101 and 16-M-0411.
- b. Annual Report on the Condition of Physical Elements of Transmission and Distribution Systems (commonly referred to as the Asset Condition Report) in accordance with Case 06-M-0878.
- c. Annual Transmission and Distribution Capital Investment Plan (commonly referred to as the 5-year CIP) in accordance with Case 06-M-0878.
- d. Annual Capital Investment Plan Quarterly Report in accordance with Case
   06-M-0878.
- e. 15-Year System Plan to be filed every two years in accordance with Case 08-E-0827. The 15-Year System Plan is to be filed in the opposite years in which the DSIP filing is submitted.

# 7. <u>Gas Capital Investment Levels and Infrastructure and Operations Programs</u>

#### 7.1 Gas Capital Investment Levels

Appendix 1, Schedule 5 sets forth the Company's forecast level of gas capital and cost of removal (where applicable) investment by program for each Rate Year. Notwithstanding the specified segment-level and program/project level spending amounts set forth in Appendix 1, Schedule 5 nothing in this Joint Proposal is intended to limit Niagara Mohawk's flexibility during the term of the Rate Plan to substitute, change, or modify its capital projects.

#### 7.2 Leak Prone Pipe Productivity Incentive

Niagara Mohawk's rates reflect the following unit costs for leak prone pipe ("LPP") replacements: Rate Year One - \$184/foot, Rate Year Two - \$188/foot, and Rate Year Three - \$192/foot. If Niagara Mohawk achieves unit cost savings for proactive LPP replacements in a Rate Year as compared to the unit costs reflected in rates for that Rate Year, it will accrue a positive revenue adjustment as follows:

	Tier 1	Tier 2	Tier 3	Tier 4	Tier 5	Tier 6
Unit Cost Savings (%)	0 to < 1.50	$\geq$ 1.50 to $<$ 3.00	≥3.00 to <4.50	≥4.50 to <6.00	$\geq$ 6.00 to <7.50	≥7.50
Unit Cost Rate Year One	\$184 to >\$181	≤\$181 to >\$178	≤\$178 to >\$176	≤\$176 to >\$173	≤\$173 to >\$170	≤\$170
Unit Cost Rate Year Two	\$188 to >\$185	≤\$185 to >\$182	≤\$182 to >\$180	≤\$180 to >\$177	≤\$177 to >\$174	≤\$174
Unit Cost Rate Year Three	\$192 to >\$189	≤\$189 to >\$186	≤\$186 to >\$183	≤\$183 to >\$180	≤\$180 to >\$178	≤\$178

Basis Points 0 2 4 6 8 10
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Niagara Mohawk's eligibility for the LPP Productivity Incentive in each Rate Year is conditioned upon Niagara Mohawk removing, at a minimum, the minimum removal target in the relevant CY (see Section 12.1.1). Unit costs for purposes of the LPP Productivity Incentive will be calculated by dividing Niagara Mohawk's actual costs for proactive LPP removals by the total number of LPP feet removed from service through Niagara Mohawk's proactive main replacement program in the relevant Rate Year. Any positive revenue adjustment earned in a Rate Year will be deferred for future collection from customers. An illustrative example of this incentive mechanism is provided in Appendix 6, Schedule 16.

#### 7.3 Gas Safety and Reliability Surcharge

Niagara Mohawk will establish a Gas Safety and Reliability Surcharge to recover (i) the cost to replace incremental LPP (Section 7.3.1) and (ii) the cost to repair additional Type 3 leaks (Section 7.3.2).

## 7.3.1 Recovery of Incremental LPP Replacement Costs

The Gas Safety and Reliability Surcharge will provide a return on investment and depreciation expense associated with removing from service miles of LPP incremental to the annual 50 miles funded in base rates.

For each mile removed above the annual 50 mile threshold, Niagara Mohawk will be allowed to recover the revenue requirement (the return on investment and depreciation expense) associated with incremental LPP investment, using the unit costs for proactive LPP replacements set forth in Section 7.2, which will be calculated as the lesser of (i) Niagara Mohawk's average proactive main replacement program capital replacement cost per mile of LPP in the given Rate Year, or (ii) 102 percent of the proactive main replacement program capital unit costs allowances for LPP replacement in the given Rate Year. An illustrative example of this mechanism is provided in Appendix 6, Schedule 15.

#### 7.3.2 Recovery of Incremental Leak Repair Costs

Niagara Mohawk will be permitted to recover through the Gas Safety and Reliability Surcharge the cost to eliminate up to 250 incremental leaks per CY in excess of its Total Leaks targets (see Section 12.2.1) in increments of 50 leaks (*e.g.*, if the Company repairs 67 incremental leaks in a CY, cost recovery for that CY would be limited to 50 incremental leaks). The per-leak rate allowances are \$4,947 for Rate Year One, \$5,075 for Rate Year Two, and \$5,200 for Rate Year Three. An illustrative example of this mechanism is provided in Appendix 6, Schedule 15.

### 7.3.3 Gas Safety and Reliability Surcharge Calculation

The Gas Safety and Reliability Surcharge will be developed as a per therm surcharge that will appear on the Statement of Gas Safety and Reliability Surcharge. The surcharge will be calculated by first allocating the return on investment and depreciation expense associated with incremental LPP investment and leak repair costs to each firm service class by forecast delivery revenues established in this Joint Proposal, then developing a per therm rate per service class, and will be collected in the DSA. The Gas

Safety and Reliability Surcharge will be reconciled annually and included in the DSA recovered from firm sales and firm transportation customers beginning August 1 of the following Rate Year. An illustrative example of the Gas Safety and Reliability Surcharge calculation, including examples of the incremental proactive LPP replacement and leak repair, is provided in Appendix 6, Schedule 15.

### 7.4 Capitalization Policies

Niagara Mohawk is authorized to capitalize the following corrosion control activities in accordance with Accounting Standards Codification 360, the Federal Energy Regulatory Commission's accounting regulations and International Accounting Standard 16:

- Install test station ("TS") on Main
- Install TS on main across Insulated Joints ("IJ")
- Install TS on Distribution Service
- Install TS on Main with anode(s)
- Install TS on main across IJ with anode(s)
- Install TS on Distribution Service with anode(s)
- Install/Replace IJ at Meter
- Install/Replace IJ on Main
- Special Request Renew Service with Plastic
- Install new Rectifier

Testing and inspection activities related to corrosion control will remain as expensed items.

### 7.5 Gas Safety Programs

The Company will implement the following gas safety programs during the Rate Plan:

Program	Costs
Damage Prevention Vehicle Wrapping	\$0.09 million
Damage Prevention GPS Transmission Pipeline Mapping	\$2.60 million
Damage Prevention GPS Mapping of Distribution Pipeline and Services (see Section 7.5.2)	\$3.00 million
First Responder Train the Trainer	\$0.182 million
First Responder Mobile Hands On	\$1.074 million
Residential Methane Detector (see Section 7.5.1)	\$2.025 million
Total	\$8.971 million

The Company will use \$8.971 million of the Rate Plan Settlement Credits to fund the above programs. There is no presumption that such programs will continue, or be discontinued, beyond the term of the Rate Plan.

The Company also will reserve \$5 million from the Rate Plan Settlement Credits and \$1.351 million of the negative revenue adjustment resulting from operation of the CY

2015 Mismark and Overall Damages metrics<sup>12</sup> to fund future gas safety and compliance improvement programs during the Rate Plan. The Company will consider the following incremental gas safety programs during the Rate Plan: (i) distribution of additional residential methane detectors; (ii) flood zone protection packages;<sup>13</sup> and (iii) leak detection equipment to aid first responders. The Company will meet with Staff annually, by April 1<sup>st</sup> of each Rate Year beginning April 1, 2018, to report on incremental gas safety programs and will seek Staff's input in the development of incremental gas safety programs. The Company will petition the Commission for approval to use the incremental funds, up to \$6.351 million, for non-recurring expenses related to gas safety and compliance improvement programs in the Rate Plan, with such petition to be filed by December 31, 2019.

In the Rate Plan, the Company will reconcile all expenditures, and any underspending will be deferred. If the \$15.332 million allocated to gas safety and compliance programs is not used or encumbered by the time the Commission next changes the Company's base delivery rates, the remaining funds will be used for rate mitigation, and not restricted to gas safety use.

#### 7.5.1 Residential Methane Detector Program

The Company's Residential Methane Detector program involves the distribution of approximately 13,500 residential methane detectors, targeted towards low income,

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Case 06-M-0878, National Grid (Niagara Mohawk, The Brooklyn Union Gas Company d/b/a National Grid NY ("KEDNY") and KeySpan Gas East Corporation d/b/a National Grid ("KEDLI")) 2015 Annual Gas Safety and Reliability Performance Report (filed March 16, 2016).

<sup>&</sup>lt;sup>13</sup> The Commission approved flood zone protection demonstration projects in Cases 16-G-0058 and 16-G-0059.

multi-use residences. Within 90 days of the Effective Date, the Company will file an implementation plan with the Secretary that will include a deployment plan and methane detector costs.

# 7.5.2 Damage Prevention GPS Mapping of Distribution Pipeline and Services Facilities

Within 90 days of the Effective Date, the Company will file an implementation plan with the Secretary that details how, and over what period, the \$3 million budget for the program will be spent.

#### 7.6 Methane Reduction Efforts

- a. Niagara Mohawk will continue to advance methane reduction efforts in its service territory similar to the terms set forth in the rate plans for KEDLI and KEDNY adopted in Cases 16-G-0058 and 16-G-0059. Such methane reduction efforts will include consideration of best practices for identifying and abating high volume leaks.<sup>14</sup> The Company will continue to work collaboratively with EDF in assessing, developing, and implementing such best practices.
- b. By March 31, 2019, the Company agrees to develop a methodology for assessing leak size and volume using leak quantification methods, and will begin to deploy such methodology on an ongoing basis, to the extent practical, during the term of the Rate Plan.

This will include consideration of efforts currently underway at Niagara Mohawk's affiliate utilities in Massachusetts and as implemented by other utilities including at Public Service Gas & Electric Company, Consolidated Edison Company of New York, Inc., Pacific Gas and Electric Company, and Center Point Energy.

- c. The Company agrees to use leak data gathered in the manner described above to prioritize the highest emitting leaks when repairing Type 3 leaks, and as a factor in prioritizing leak prone pipe removal.
- d. The Company will monitor the deployment of new leak quantification technology and report on its efforts to advance leak quantification technologies and practices, as specified in (e) below.
- e. The Company agrees to file publicly-accessible annual reports with the Commission by March 15 of each year beginning March 15, 2019 until the conclusion of the Company's next base rate case, documenting progress towards meeting the goals set out in (a) and (b) above. The Company will document its efforts to advance any improvements to leak quantification methods during the Rate Plan, consistent with (c) above. Interested parties will have an opportunity to respond to such reports 30 days after their submission. In addition, starting in 2018, the Company, EDF, and any other interested party will have at least one face-to-face meeting each year by the end of September until the conclusion of the Company's next base rate case.

#### 7.7 Gas Capital Reporting Requirements

## 7.7.1 LPP Prioritization, Type 3 Leak, and Capital Plan Report

Prior to the beginning of each Rate Year, the Company will file with the Secretary a LPP prioritization summary identifying: (i) the proposed projects and their estimated costs; (ii) estimates of the number of Type 3 leaks on each system; and (iii) the five-year capital plan in the same format as Appendix 1, Schedule 5.

### 7.7.2 Quarterly Capital Report

The Company will file with the Secretary a quarterly variance report within 45 days after the end of each of the first three quarters of each Rate Year. The report will be in the same format as Appendix 1, Schedule 5 with explanations for variances between the approved budget and the actual expenditures, details on the progress of LPP retirement mileage, Type 3 leaks repaired, and a summary of the current Type 3 leak inventory.

#### 7.7.3 Annual Capital Report

The Company will file with the Secretary an annual report not later than 60 days after the end of the last quarter in each Rate Year that includes: (i) a final variance summary of capital expenditures for all capital projects and programs including all ongoing and active construction projects and programs in the same format as Appendix 1, Schedule 5; (ii) a narrative explaining any cost or timeline deltas exceeding 10 percent; (iii) a narrative on project design, permitting, and/or construction status (including a detailed construction schedule for each project) for any ongoing projects; (iv) a description of any new projects or programs; and (v) capital project sanctioning documents for any projects exceeding \$1 million that were authorized during the previous Rate Year.

#### 7.8 Gas Business Enablement

Niagara Mohawk will continue to implement the Gas Business Enablement ("GBE") Program, the scope of which is more fully described in Appendix 10, Schedule 1, during the term of the Rate Plan. The GBE Program is a shared investment across all

National Grid USA operating companies, that will implemented and owned by the National Grid USA Service Company, Inc. ("Service Company"), with a portion of the costs allocated to Niagara Mohawk. The total Service Company costs of the GBE Program for capital expenses and project operating expenses relating to the capital investment (excluding run the business costs) are \$458.1 million through FY 2023.

### 7.8.1 GBE Program Total Cost Cap

For purposes of determining Niagara Mohawk's allocable share of GBE Program costs, the total Service Company costs, comprised of capital and project operating expenses related to capital expenses, for the GBE Program will be capped at \$458.1 million through FY 2023. In future rate proceedings, the Company may seek recovery of costs in excess of this cap that are associated with incremental investments in the GBE Program beyond those described in Appendix 10, Schedule 1 as long as the incremental costs are justified by measurable benefits.

#### 7.8.2 GBE Program Capital Investment Levels

The revenue requirements include the costs of GBE Program capital investments charged to the Company by the Service Company as a rent expense. The rent expense charged to Niagara Mohawk for the GBE Program includes the return on, and the amortization and depreciation of, the Company's allocated portion of current GBE Program capital investments along with incremental GBE Program capital investments that are forecast for the Rate Years. The Company's forecast of capital expenditures reflects the following levels of Service Company capital investment for the GBE Program during the term of the Rate Plan: \$92.305 million in Rate Year One, \$68.166 million in

Rate Year Two, and \$45.232 million in Rate Year Three, as shown in Appendix 1, Schedule 7. Section 8.2 describes the downward-only Service Company Rents Net Utility Plant and Depreciation Expense Reconciliation Mechanism applicable to Information Services and GBE Program capital investments. Notwithstanding the specified program level spending amounts shown in the Schedule, nothing in this Joint Proposal is intended to alter the Company's flexibility during the term to substitute, change, or modify the timing of its GBE Program capital investments to deliver the scope of the GBE Program.

#### 7.8.3 GBE Program Key Performance Indicators

Niagara Mohawk will measure and report on six key performance indicators ("KPIs") that are intended to demonstrate successful delivery of GBE Program capabilities. The GBE KPIs are (i) the average number of completed Customer Meter Services ("CMS") jobs per worker per day; (ii) the average feet of main replaced per Maintenance and Construction ("M&C") worker per day; (iii) work orders processed each year per each full-time equivalent ("FTE") engineering clerical employee; (iv) total call volume related to customer moves and non-moves per year; (v) total number of gas safety non-compliance occurrences per year; and (vi) the Company's customer experience (effort) rating based on customer surveys. Appendix 10, Schedule 2 details how each KPI is defined and calculated. The Company will report on each GBE KPI on an annual basis as discussed in Section 7.8.4.

At the end of FY 2023, the Company will measure delivery of GBE Program capabilities based on performance across the FY 2023 KPI targets. The FY 2023 GBE KPIs, weightings, and targets are set forth in Appendix 10, Schedule 3.

Illustrative examples of the GBE KPI performance measurement are provided in Appendix 10, Schedules 4 through 6. To the extent the Company fails to meet the FY 2023 KPI targets (net of any offsets discussed below), the Company will record a regulatory liability to return to customers all or a portion of Niagara Mohawk's \$31.2 million share of GBE investment costs for enhanced capabilities beyond system replacement.

As illustrated on Appendix 10, Schedules 4 through 6, in the event the Company outperforms on any individual GBE KPI, the value of such outperformance, expressed as a dollar value of business case benefits for the GBE Program, may be re-allocated to any underperforming KPIs subject to the following: (i) an underperforming GBE KPI may be improved by no more than 50 percent of Niagara Mohawk's business case benefits (as set forth in Appendix 10, Schedules 4 through 6); and (ii) the value of all GBE KPIs after reallocation is subject to a cap of 100 percent of its associated Niagara Mohawk's business case benefits.

In the event of any unforeseen circumstances, changes in law or regulation, or other events that impact the underlying assumptions used to develop the GBE KPI performance targets, such that the KPI targets are no longer reasonable measures of the Company's performance, the Company and Staff may, by mutual agreement subject to Commission approval, equitably adjust the GBE KPI targets upward or downward to address such changes. In addition, the Company's failure to perform under any GBE KPI will be excused if the Company can reasonably demonstrate that the failure to perform was caused by any unanticipated or anomalous circumstances or events outside of the

Company's control and materially affected or delayed the Company's performance with respect to the affected KPI.

#### 7.8.4 GBE Program Reporting

The Company will file a quarterly GBE Program report with the Secretary within 60 days after the end of each quarter of each Rate Year. The report will address the status of the GBE Program and budget, including: (i) a narrative explaining overall GBE Program status; (ii) detail on budgets and actual spending for the GBE Program; (iii) identification of allocations of GBE Program costs to the Company; and (iv) explanations of variances between budgets and actual spending. In the report for the last quarter of each Rate Year (quarter ending March 31), the Company will also include (i) any cost or timeline differences that exceed ten percent for the Rate Year; (ii) the Rate Year's GBE KPI performance; (iii) the number and length of the customer appointment windows (currently two-hour intervals (e.g., 8 a.m. to 10 a.m.)) and non-appointment commitment windows (currently either 8 a.m. to 4 p.m., or 4 p.m. to 8 a.m.) offered to customers during the Rate Year; and (iv) the latest GBE sanction paper authorized during that Rate Year.

The Company will hold semi-annual meetings with Staff to (i) discuss budget and actual GBE spending to date; (ii) provide an update on the status of GBE initiatives that have been undertaken; and (iii) review quarterly filings.

#### 8. <u>Information Services</u>

## 8.1 Information Services Electric and Gas Capital Investment Levels

Niagara Mohawk's electric and gas rates include Information Services ("IS") capital investments that are owned by the Service Company and allocated to the Company in the form of rent expense. Rent expense includes the return on, and the amortization and depreciation of, current IS capital investments along with incremental IS capital investments that are forecast for the Rate Years. The incremental IS capital investment is \$90 million in Rate Year One, \$90 million in Rate Year Two, and \$96 million in Rate Year Three. These costs do not include costs associated with the Company's GBE Program (which is separately discussed in Section 7.8). Appendix 1, Schedule 7 sets forth Niagara Mohawk's IS capital investment plan by program. The schedule reflects actual capital spending through September 2017 and the incremental capital investment forecast from October 2017 through each Rate Year. Notwithstanding the specified program-level spending amounts shown in the Schedule, nothing in this Joint Proposal is intended to limit Niagara Mohawk's flexibility during the term of the Rate Plan to substitute, change, or modify its IS capital projects. Section 8.2 describes the downward-only Service Company Rents Net Utility Plant and Depreciation Expense Reconciliation Mechanism applicable to IS and GBE Program capital investments.

## 8.2 Service Company Rents IS and GBE Program Net Plant and Depreciation Expense Reconciliation Mechanism

The Company will implement a downward-only IS and GBE Program Net Utility

Plant and Depreciation Expense Reconciliation Mechanism. Each Rate Year, the

Company will reconcile its respective actual IS and GBE Program average net utility

plant and depreciation expense revenue requirements to the forecast revenue requirements, as set forth below and shown in Appendix 5, Schedule 19 for electric, and in Appendix 6, Schedule 17 for gas:

	FY 19	FY 20	FY 21
IS and GBE -	\$34.42 million	\$36.72million	\$38.63 million
Electric			
IS and GBE – Gas	\$7.87 million	\$10.06 million	\$12.53 million

The IS and GBE Program average net utility plant and depreciation expense revenue requirement will be calculated by applying the Company's pre-tax weighted average cost of capital in the respective Rate Years (8.07 percent in Rate Year One, 8.02 percent in Rate Year Two, and 7.99 percent in Rate Year Three) to the IS and GBE Program average net utility plant balance and adding the depreciation expense to the product.

The difference between the actual IS and GBE Program average net utility plant and depreciation expense revenue requirement and the target average net utility plant and depreciation expense revenue requirement will carry forward for each Rate Year and be summed at the end of Rate Year Three for electric and gas, respectively. As illustrated in Appendix 5, Schedule 19 and Appendix 6, Schedule 17, if, at the end of Rate Year Three, the cumulative actual IS and GBE Program average net utility plant and depreciation expense revenue requirement is negative, the Company will defer the revenue requirement impact for the benefit of customers. If, at the end of Rate Year Three, the cumulative actual IS and GBE Program average net utility plant and depreciation expense revenue requirement is positive, there will be no deferral.

The reconciliation mechanism will apply to the Company's aggregate total IS and GBE Program average net plant and depreciation expense combined, and not to individual components. The net plant target balances and reconciliation will not consider the impact of Accumulated Deferred Income Taxes ("ADIT").

#### 8.3 IS Capital Investment Cost Incentive

To incent the Company to implement IS projects at lower costs, the IS Capital Investment Cost Incentive will allow the Company and customers to share in any efficiency savings on the Company's share of capital costs for identified IS projects. The incentive will initially apply to the following IS project:

Investment Name	INVP#	Forecast In- Service Date	Total Project Forecast Appendix 1, Schedule 7	10% Target Threshold for Incentive
Green Button Connect	4704C	3/31/21	\$3,072,759	\$2,765,483

To the extent the actual capital costs (upon project closure) are less than the Company's full sanction estimate by ten percent or more (as defined in Appendix 5, Schedule 20 and Appendix 6, Schedule 18), the savings allocable to Niagara Mohawk will be shared 80 percent/20 percent between customers and the Company, respectively, and recorded as a regulatory asset. An illustrative example of this incentive mechanism is provided in Appendix 5, Schedule 20 and Appendix 6, Schedule 18.

In addition, as part of the semi-annual IS meeting discussed in Section 8.6 below, the Company and Staff will consider including additional projects to include in the incentive in future Rate Years. In the report for the last quarter of each Rate Year, the Company will report on its performance against the incentive.

#### 8.4 Distribution Supervisory Control and Data Acquisition System

The revenue requirement includes \$0.500 million annually in Rate Year Two and Rate Year Three for requirements and design work for the Distribution Supervisory Control and Data Acquisition ("DSCADA") system. The \$96 million IS capital investment level discussed in Section 8.1 includes \$6 million for capital investment for the DSCADA system in Rate Year Three. The DSCADA system capital investment will not go into service until after the term of the Rate Plan; therefore, there are no costs reflected in the Rate Year Three revenue requirement relative to this capital investment.

## 8.5 Distributed Generation Interconnection Online Application Portal

The revenue requirement does not include recovery for Phase 3 costs of the Distributed Generation Interconnection On-line Application Portal ("DGIOAP") project. The Signatory Parties agree that if the Company is required to incur Phase 3-related costs within the term of the Rate Plan, it may file a petition with the Commission to request recovery of such costs.

#### 8.6 IS Capital Reporting

Prior to the beginning of each Rate Year, the Company will file with the Secretary its IS Capital Investment Plan for that Rate Year, including a narrative explaining the overall IS investment plan and identifying the proposed IS projects and their estimated costs.

The Company will also file with the Secretary quarterly variance reports within 60 days after the end of each Rate Year quarter. The reports will address the status of Service Company IS programs and budgets. The reports will include (i) a narrative explaining overall IS investment plan approach; (ii) a description of defined program categories (e.g., Regulatory, Legal and Compliance Mandates; Business Programs and Projects; Technology/Infrastructure Foundation and Reliability) that form the spending rationale for IS projects; (iii) detail on budgets and actual spending for each of the program categories, and for the top ten projects by budget within the program categories; (iv) explanations of variances between budgets and actual spending; (v) identification of allocations to Niagara Mohawk; and (vi) a report on budget exceptions by program category and top ten projects based on allocations to Niagara Mohawk. In the report for the last quarter of each Rate Year, the Company will also include (i) an explanation of any cost or timeline differences exceeding ten percent for projects completed; (ii) the latest partial, full, re-sanction or closure paper for any projects exceeding \$1 million that were authorized during the previous Rate Year; and (iii) performance on the IS capital cost incentive.

On a semi-annual basis, the Company will meet with Staff to (i) discuss budget and actual spending to date; (ii) provide an update on the status of in-flight projects; (iii) discuss proposed projects for the next six months; (iv) identify any projects subject to the IS capital cost incentive; and (v) review quarterly filings. Beginning with the first semi-annual meeting, the Company will work with Staff to develop mutually agreeable sanction paper enhancements needed to justify IS investments and allow for adequate review. At a minimum, the enhancements will include minimum cost alternative

analyses, as appropriate, based on the type of IS investment (e.g., regular upgrades versus build of new function), and the consensus enhancements will be implemented no later than the end of Rate Year One. The Company will also work with Staff to determine whether different or additional information would be useful to include in the quarterly reports.

### 9. Street Lighting

#### 9.1 LED-Only Replacement Luminaire Program

The Company will establish an "opt-in" LED-only replacement program for Company-owned luminaires. Under the LED-only replacement program, existing Company-owned failed roadway luminaires will be replaced with LEDs. Further, HID luminaires will no longer be offered for new street light installations. Municipalities will have the opportunity to identify the LED luminaires that meet their community's respective needs. The Company will develop procedures and protocols, including providing recommendations for LED conversions for Company-owned streetlights based on currently installed luminaires. The Company will coordinate with municipalities to ensure procedures are properly implemented.

#### 9.2 Street Lighting Plant Accounts and Service Lives

The Company will separate the Overhead Street Lighting plant account (account 373.10) into the two new sub-accounts: (i) non-LED Overhead Street Lighting-Luminaires (account 373.11); and (ii) Overhead Street Lighting-Other (account

373.10). The Company also will separate the Underground Street Lighting plant account (account 373.20) into the two new sub-accounts: (i) non-LED Underground Street Lighting-Luminaires (account 373.21); and (ii) Underground Street Lighting-Other (account 373.20). Additionally, the Company will split the associated depreciation reserves for the Overhead Street Lighting plant account (account 373.10) into the book reserves for the non-LED Overhead Street Lighting-Luminaires (account 373.11) and Overhead Street Lighting-Other (account 373.10) based on a theoretical depreciation reserve calculation, and perform the same segregation exercise for the corresponding underground street lighting accounts. The average service lives for the assets in the non-LED luminaire accounts (accounts 373.11 and 373.21) will be set to 20 years, and the average service lives for assets in the other equipment accounts (accounts 373.10 and 373.20) will be set to 60 years. LED luminaire investments will be reflected in LED Overhead Street Lighting (account 373.30) and LED Underground Street Lighting (account 373.40). Service lives for the LED luminaire accounts will be set to 25 years.

#### 9.3 Street Light Asset Sales

#### 9.3.1 Net Book Value Sales

For the term of this Rate Plan only, the Company agrees to sell its PSC 214 SC-2 street lighting assets at net book value ("NBV") to any municipal customer that agrees to purchase all street light assets serving it within the municipality's taxing jurisdiction. Sales of less than all street light assets serving the customer within a municipal taxing

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Both the Overhead Street Lighting–Other and Underground Street Lighting–Other accounts include the non-luminaire street lighting plant, such as poles, conductors, arms, etc.

district will be subject to negotiating a mutually-agreeable sales price as currently specified in the tariff governing street light asset sales.

### 9.3.2 NBV Sale Price

- a. The NBV for street lighting assets serving a given municipal customer will be calculated using the Street Lighting FERC sub-accounts (included in the Account 373 series) Plant Accounting information provided by the Company's plant asset repository system, Power Plan. Power Plan maintains asset investment amount information by vintage year and by tax district, but does not maintain the NBV of individual assets. Depreciation rates, depreciation expense, and the associated depreciation reserve are determined and recorded at the FERC sub-account level, not at an individual asset level. Therefore, subject to the provisions of Section 9.3.2(b), the Company will use the following process to determine the NBV of street light assets for purposes of sale transactions:
- i. Determine the book cost for each street light FERC sub-account, by vintage year (*i.e.*, year the investment was placed in service), by tax district.<sup>16</sup>
- ii. Calculate a theoretical depreciation reserve for each FERC sub-account, based on the vintage investment, by tax district. This calculation will be based on the depreciable service lives in effect at the time of the calculation, as well as dispersion patterns (*i.e.*, Iowa or H curves) and net salvage factor included in the depreciation rate.

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<sup>&</sup>lt;sup>16</sup> The Power Plan system maintains assets by vintage year and by tax district. Depreciation rates, depreciation expense, and the associated depreciation reserve are determined and recorded at the FERC sub-account level, not at an individual asset level.

- iii. Allocate the sub-account's total book reserve to vintage investments by tax district in proportion to the theoretical depreciation reserve calculation. This will produce the NBV for the tax district. (Steps (ii) and (iii) are done utilizing a depreciation study software calculation in Power Plan).
- iv. Determine the tax district's NBV by asset types using the Company's location-based billing inventory system.
- v. Determine the NBV for customer-specific street lighting assets by applying the average NBV by asset type for a tax district to the specific customer billing units.

These steps will be performed for each sub-account in which the customer's assets are booked, and the amounts will be aggregated to arrive at a total NBV determination. The sale price will be based on the NBV at the time of closing, and any price estimates provided prior to closing will be adjusted (up or down) to the actual NBV at closing.

- b. Notwithstanding the foregoing, for any municipal customer with more than 10,000 luminaires listed in the Company's billing inventory files in the respective municipal tax district as of December 1, 2017, that enters into a binding purchase agreement on or before September 1, 2018 to acquire all of the street light assets serving it within the municipality's taxing jurisdiction, and that received a street light acquisition pricing proposal letter dated between June 1, 2017 and December 1, 2017 from the Company, the NBV sale price will be the NBV indicated in said letter.
- c. Following the issuance of a final rate order in these proceedings, and at the request of a municipality that had previously received a street light sales proposal, the

Company will provide the NBV purchase price calculated as described above along with supporting data as reasonably available.

The Signatory Parties acknowledge and agree that the Company's agreement to sell its PSC 214 SC-2 street lighting assets at NBV does not create any precedent with respect to similar sales after the term of this Rate Plan or with respect to the sale of any of the Company's transmission or distribution assets.

### 9.3.3 Provisions Applicable to All Street Light Asset Sales

- a. A municipality acquiring street light assets is responsible for transaction and transition costs. Transaction costs consist of transfer taxes, recording fees, and mortgage indenture release fees associated with the sale. Transition costs consist of those costs relating to GIS, billing, and data changes associated with the sale. A municipality purchasing street light assets must install disconnect equipment consistent with PSC 214 Rule 8.d.1, Leaf 44.0.1, and will be responsible for the costs of installing such equipment. The Company will not charge for reconfiguration costs unless the municipality specifically requests the reconfiguration. A like-for-like luminaire replacement (or a conversion from HID to LED) will not be considered a municipal request for reconfiguration.
- b. The municipality will have the sole responsibility to determine if a worker/contractor is qualified to perform the required work and to perform work in proximity of the electric system.
- c. For the 24-month period following the transfer of street light assets from the Company to a municipal customer, the conversion to an LED luminaire from a non-

LED luminaire will not constitute a material change under PSC 214.

d. A municipality must be current in its payment of all undisputed bills.

#### 9.4 Miscellaneous Street Light Matters

The Company will incorporate its roadway-LED luminaire offerings into the Lighting Tariff SC-1, and will continue to evaluate potential decorative LED offerings.

#### 10. Electric and Gas Reconciliations, Deferrals, and True-Ups

### 10.1 Existing Electric and Gas Reconciliations, Deferrals, and True-Ups

Appendix 5, Schedule 1 and Appendix 6, Schedule 1 set forth the electric and gas deferral accounts and other regulatory assets and liabilities forecast balances, respectively, as of March 31, 2018. With the exception of the deferral accounts and other regulatory assets and liabilities identified as "Discontinued" on Schedule 1, Niagara Mohawk is authorized to continue its use of reconciliation mechanisms and/or deferral accounting (with certain modifications) with respect to the electric and gas expenses set forth in Schedule 1.<sup>17</sup> In addition, the Company will continue its use of all other currently-authorized reconciliation mechanisms and/or deferral accounting.

Except where otherwise noted, Niagara Mohawk will accrue carrying charges on all electric and gas deferral accounts and other regulatory assets and liabilities, net of deferred taxes, using the pre-tax weighted average cost of capital for the respective Rate

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The deferral accounts and other regulatory assets and liabilities identified as "Discontinued" on Schedule 1 will be discontinued as of the Effective Date. These accounts contain forecast balances as of March 31, 2018, which are set forth in Schedule 1. The discontinuance of these accounts is not intended to preclude the Company from returning to or recovering from customers the balances as of March 31, 2018 plus any applicable carrying charges.

Year. No example of the calculation of carrying charges is set forth in Appendix 5, Schedule 2 for electric and Appendix 6, Schedule 2 for gas.

# 10.1.1 Pension and Other Post-Employment Benefit Expenses (Electric and Gas)

Niagara Mohawk will continue to defer and reconcile its actual electric and gas pension and OPEB expenses to the levels allowed in rates (set forth in the tables below) in accordance with the Commission's Pension & OPEB Statement of Policy.

Pension Expense	Rate Year One	Rate Year Two	Rate Plan Three
Electric Business	\$33.185 million	\$8.852 million	\$0.744 million
Gas Business	\$6.383 million	\$1.852 million	\$0.311 million

OPEB Expense	Rate Year One	Rate Year Two	Rate Year Three
Electric Business	\$17.591 million	\$11.167 million	\$2.178 million
Gas Business	\$3.424 million	\$2.335 million	\$0.630 million

Additional provisions relating to the reconciliation of electric and gas pension and OPEB expenses are set forth in Appendix 9. Carrying charges will not be calculated on pension or OPEB deferred balances. An example of the reconciliation is set forth in Appendix 5, Schedule 3 for electric and Appendix 6, Schedule 3 for gas.

# 10.1.2 Low Income Energy Affordability Program (Electric and Gas)

The Company will implement its electric and gas Energy Affordability Program as set forth in Section 13.1. Each Rate Year, the Company will fully reconcile Energy Affordability Program costs to the rate allowance of \$56.594 million for electric and \$14.905 million for gas. Amounts in excess of the rate allowance will be deferred for

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<sup>&</sup>lt;sup>18</sup> This applies to deferred balances referenced in other sections of this Joint Proposal unless specifically stated otherwise.

future recovery from customers. Any under-expenditures will be deferred for future use in a low income program. An example of the reconciliation is set forth in Appendix 5, Schedule 4 for electric, and in Appendix 6, Schedule 4 for gas.

# 10.1.3 Economic Development Fund Program (Electric and Gas)

The Company will continue its electric and gas Economic Development Fund Programs as set forth in Section 13.3.1. Each Rate Year, the Company will fully reconcile economic development discounts (*i.e.*, for electric, EZR, EJP, new discount contracts under SC-12, and existing discount contracts under SC-12; for gas, EZR and EJP discounts) to the amount reflected in rates for refund to or recovery from customers. The target amounts for economic development discounts are as follows:

<b>Economic Development</b>	Rate Year One	Rate Year Two	Rate Plan Three
Fund Programs			
Electric Business	\$2.193 million	\$2.120 million	\$1.721 million
Gas Business	\$1.150 million	\$0.935 million	\$0.762 million

The electric and gas Economic Development Fund Programs will be a separate deferral account from the electric and gas Economic Development Grant Programs set forth below. An example of the reconciliation is provided in Appendix 5, Schedule 5 for electric, and in Appendix 6, Schedule 5 for gas.

# 10.1.4 Economic Development Grant Program (Electric and Gas)

The Company will continue its electric and gas Economic Development Grant Programs as described in Section 13.3.2. The Economic Development Grant Program for electric and gas will be funded at \$11 million and \$1 million per year, respectively,

subject to downward-only reconciliations over the term of the Rate Plan. Any difference between the respective rate allowance and actual program costs in a given Rate Year will be carried forward and reconciled at the end of Rate Year Three, with any underexpenditure to be deferred for future use in the respective Economic Development Grant Programs. The Company may petition the Commission to utilize any deferral balances related to the Economic Development Grant Programs to fund emergency economic assistance or other incremental economic development programs. An example of the reconciliation is provided in Appendix 5, Schedule 6 for electric, and in Appendix 6, Schedule 6 for gas.

In the event of any anticipated over-expenditures, the Company may petition the Commission for deferral treatment and will have no obligation to make any additional expenditure unless and until the Commission authorizes the Company to defer amounts in excess of the three-year aggregate rate allowance for future recovery.

#### 10.1.5 Auction Debt True Up (Electric and Gas)

Niagara Mohawk's capital structure includes variable rate pollution control revenue bonds. The interest rate for these bonds is periodically reset using an auction process that provides for a default rate if the auctions fail. For Rate Year One only, the Company will reconcile the actual interest expense with the amount reflected in rates and defer the difference for refund to or recovery from customers. Appendix 5, Schedule 7 and Appendix 6, Schedule 7 set forth the forecast interest rates to be trued up and a sample calculation for the reconciliation for electric and gas, respectively. The reconciliation of the variable rate pollution control revenue bonds interest expense for

Rate Year Two and Rate Year Three is included in the long-term debt true-up set forth in Section 10.2.2.

# 10.1.6 Site Investigation and Remediation Expense (Electric and Gas)

Each Rate Year, the Company will fully reconcile actual Site Investigation and Remediation ("SIR") expense to the annual rate allowance of \$27.321 million for electric and \$4.821 million for gas. Any under- or over-expenditures will be deferred for future refund to, or recovery from, customers. An example of this reconciliation is set forth in Appendix 5, Schedule 11 for electric and Appendix 6, Schedule 10 for gas. SIR costs are defined on Page 2 of each Appendix.

#### 10.1.7 Property Tax Expense (Electric and Gas)

Each Rate Year, the Company will reconcile actual property tax expense to the rate allowance. The difference between actual property tax expense, excluding the effects of property tax refunds, and the rate allowance (set forth in the table below) will be deferred for future refund to or recovery from customers. Differences will be shared 80 percent/20 percent between customers and the Company, respectively. An example of this reconciliation is set forth in Appendix 5, Schedule 12 for electric, and in Appendix 6, Schedule 11 for gas.

<b>Property Tax Expense</b>	Rate Year One	Rate Year Two	Rate Plan Three
Electric Business	\$183.024 million	\$189.211 million	\$195.164 million
Gas Business	\$43.072 million	\$45.311 million	\$47.730 million

If Niagara Mohawk is successful in obtaining property tax refunds, it will have the right to petition the Commission to share in such refunds. Other parties may take any position concerning any petition filed by Niagara Mohawk.

# 10.1.8 Negative or Positive Revenue Adjustments (Electric and Gas)

Niagara Mohawk will defer (i) any negative revenue adjustments associated with the electric and gas Service Quality Assurance Program (Section 11.1) (subject to the exception discussed in Appendix 15); (ii) any negative or positive revenue adjustments associated with the electric and gas Termination and Uncollectible Expense metric (Section 11.2); (iii) any negative revenue adjustments associated with the Gas Cost Estimating metric (Section 11.3); (iv) any negative or positive revenue adjustments associated with the Gas Safety Performance Metrics (Section 12);<sup>19</sup> and (v) any positive revenue adjustments associated with the LPP Productivity Incentive (Section 7.2).

#### 10.1.9 Externally Imposed Costs (Electric and Gas)

One hundred percent of all Externally Imposed Costs (including any credits) associated with or caused by an individual instance (as described below) will be deferred, once such costs exceed the threshold set forth below. If Externally Imposed Costs caused by an individual instance in any one Rate Year exceed \$8.8 million or \$2.283 million for Niagara Mohawk's regulated electric or regulated gas operations, respectively (the "Externally Imposed Cost Threshold"), the total impact of the Externally Imposed Costs as applicable to the Company's regulated electric or regulated gas operations,

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Any negative revenue adjustments associated with the Gas Safety Performance Metrics will be applied to fund future incremental gas safety programs.

respectively, will be deferred. "Externally Imposed Costs" means all of the incremental effects on Niagara Mohawk's costs, revenues, or revenue requirements above or below the amounts set forth in Appendix 1, Schedules 1 and 2, associated with or caused by an individual instance of:

- any externally imposed accounting change;
- any change in the federal, 20 state, or local rates, laws, regulations, or b. precedents governing income, revenue, sales, or franchise taxes;
- any refunds or payments (with interest and net of deferred taxes) C. reasonably made to or by Niagara Mohawk associated with electric and/or gas operations as a result of any ongoing or new examinations by federal and/or state tax authorities of Niagara Mohawk's tax returns; or
- d. any legislative, court, or regulatory change that imposes new or modifies existing obligations or duties.

In addition, the Signatory Parties recognize that:

- i. there is a pending Pipeline and Hazardous Materials Safety Administration ("PHMSA") rulemaking regarding pipeline integrity management, integrity verification and related issues in PHMSA Docket ID 2011-0023;
- ii. the United States Congress has in recent years modified bonus depreciation numerous times. This Joint Proposal sets forth rates predicated on bonus depreciation terminating as of September 27, 2017, as set forth in the recent changes to federal tax law. Congress may make more changes to bonus depreciation during the term of this rate plan; and

See Section 10.1.10, specifically regarding changes to federal tax law.

iii. a healthcare excise tax may be assessed on certain medical plans beginning in 2020.

Should new regulations and/or legislation identified in items (i) and (ii) above be enacted that affect Niagara Mohawk's costs, or should the healthcare excise tax identified in item (iii) above take effect during the term of the Rate Plan, Niagara Mohawk will defer all incremental costs or decreases in costs arising from such actions without regard to whether such changes exceed the Externally Imposed Cost Threshold. In the event that Externally Imposed Costs are incurred, Niagara Mohawk will file a letter with the Secretary setting forth the rationale for the deferral and its calculation. Any disagreement associated with the filing will be referred to the Commission for a decision.

## 10.1.10 Federal Tax Law Changes (Electric and Gas)

The Signatory Parties recognize that the United States Congress has recently made significant modifications to the federal tax law. The rates set forth in this Joint Proposal reflect the Company's current estimate of the reduction in the corporate tax rate from 35 percent to 21 percent, the termination of bonus depreciation as of September 27, 2017, and increase in deferred taxes at a rate of 21 percent associated with future plant additions. Rates do not include any amortization of the excess accumulated deferred federal income tax associated with the reduction in the tax rate. The Company will make a compliance filing no later than the end of Rate Year One to reflect the final impact on rates of the changes to the federal tax law. The compliance filing must include all supporting workpapers and calculations. The Signatory Parties agree that the net benefits of the recent modifications to federal tax law shall accrue to customers, including all of the benefits related to the excess accumulated deferred federal income taxes, the pass

back of which have not yet been reflected in rates. The Company will defer for further refund or recovery any difference between its recalculated federal tax expense and amounts provided for in rates, including any effects related to the excess deferred federal income taxes. The Company will meet with Staff and other interested parties prior to making its compliance filing. Further, the Signatory Parties recognize that the Commission may address the changes in the federal tax law in a generic proceeding, these proceedings, or otherwise, which may necessitate that the Company take additional actions, and the Signatory Parties recognize that this could result in changes to the treatment of federal taxes, or the ratemaking effects of these federal tax changes, that are different from those set forth in this Joint Proposal.

## 10.1.11 Internally-Adopted Accounting Changes (Electric and Gas)

Niagara Mohawk will notify the DPS Director of the Office of Accounting, Audits and Finance of any significant changes to its accounting policies. Approval of the DPS Director of the Office of Accounting, Audits and Finance is necessary before Niagara Mohawk records on its books any deferral for the net impact of an internal accounting change pursuant to this Section. If such approval is granted, the Company will be allowed to book the deferral prospectively from the date of approval, regardless of whether the accounting change was previously reflected in an account other than the deferral account. The DPS Director of the Office of Accounting, Audits and Finance will use best efforts to rule on any request for the deferral of the impact of an internal accounting change within 90 days of submission, provided that the Company's initial submission is complete and includes full support for the accounting change and the

quantification of the net impact of the accounting change, including any required offsets. Niagara Mohawk will include in the deferral account the net impact of any accounting change adopted as a matter of internal accounting policy when the accounting change, evaluated individually, increases or decreases Niagara Mohawk's costs or revenues from regulated operations or changes Niagara Mohawk's policy for capitalizing or expensing any item by more than \$500,000 per year for the electric business and/or \$100,000 per year for the gas business.

#### 10.1.12 Variable Pay (Electric and Gas)

Each Rate Year, the Company will defer for refund to customers any variable pay compensation amounts reflected in rates that are not paid to employees. The rate allowance for variable pay is set forth in the table below. An example of this reconciliation is set forth in Appendix 5, Schedule 13 for electric and Appendix 6, Schedule 12 for gas.

Variable Pay Expense	Rate Year One	Rate Year Two	Rate Plan Three
Electric Business	\$17.8 million	\$18.4 million	\$18.9 million
Gas Business	\$4.0 million	\$4.2 million	\$4.3 million

# 10.1.13 Revenue Decoupling Mechanism (Electric and Gas)

The revenue decoupling mechanism ("RDM") reconciliation, as modified in Section 3.5 for electric and Section 4.6 for gas, will continue.

# 10.1.14 Electric Net Utility Plant and Depreciation Expense Reconciliation Mechanism

The Company will implement a downward-only electric Net Utility Plant and Depreciation Expense Reconciliation Mechanism. Each Rate Year, the Company will reconcile its actual electric average net utility plant (which includes the allocation of common plant to the electric business) and depreciation expense revenue requirement to the target electric average net utility plant and depreciation expense revenue requirement, which are: \$793.801 million for Rate Year One; \$831.870 million for Rate Year Two; and \$871.228 million for Rate Year Three.

The electric average net utility plant and depreciation expense revenue requirement will be calculated by multiplying the Company's pre-tax weighted average cost of capital in the respective Rate Years to the electric average net utility plant balance, and adding this product to the electric depreciation expense.

With the exception as described below with regard to the implementation of a non-wires alternative ("NWA"), the difference between the actual electric average net utility plant and depreciation expense revenue requirement and the target electric average net utility plant and depreciation expense revenue requirement will carry forward for each Rate Year and be summed at the end of Rate Year Three. As illustrated in Appendix 5, Schedule 9, if, at the end of Rate Year Three, the cumulative actual electric average net utility plant and depreciation expense revenue requirement is negative, the Company will defer the revenue requirement impact for the benefit of customers. If, at the end of Rate Year Three, the cumulative actual electric average net utility plant and depreciation expense revenue requirement is positive, there will be no deferral.

The reconciliation mechanism will apply to the Company's aggregate total electric average net plant and depreciation expense combined, and not to individual components. The LED Capital Investment Tracker described in Section 10.2.7 will operate in conjunction with the Net Utility Plant and Depreciation Expense Reconciliation Mechanism to account for the two-way nature of the LED Capital Investment Tracker. The net plant target balances and reconciliation will not consider the impact of ADIT.

To the extent the Company implements an NWA that results in the displacement of a capital project reflected in the average electric net utility plant, the balance(s) will be reduced to exclude the forecast net plant associated with the displaced project. The carrying charge, or a portion thereof, as warranted, on the reduction of the average electric net utility plant that would otherwise be deferred for customer benefit will instead be applied as a credit against the recovery of the NWA, as shown in Appendix 5, Schedule 9.

## 10.1.15 Major Storm Expense (Electric Only)

The provisions relating to major storm expense are set forth in Appendix 14. An example of the reconciliation is set forth in Appendix 5, Schedule 10.

#### **10.1.16** Aggregation Fee (Electric Only)

The Company will continue to accrue and amortize aggregation fee amounts collected pursuant to PSC 220 Rule 47. No carrying charges will be calculated for aggregation fee amounts.

## 10.1.17 Voltage Migration Fee (Electric Only)

The Company will continue to accrue and amortize voltage migration fee amounts collected pursuant to PSC 220 Rule 44.2. No carrying charges will be calculated for voltage migration fee amounts.

### **10.1.18** Generation Stranded Cost (Electric Only)

The Company will include in the deferral account any reductions or additions to stranded costs associated with the implementation of the Niagara Mohawk Joint Proposal for Nine Mile Point (Case 01-E-0011), and the implementation of any of Niagara Mohawk's other agreements for the sale of the fossil and hydro generating assets to the extent allowed by the Orders in those cases.<sup>21</sup>

# 10.1.19 Transmission Revenue Adjustment Clause (Electric Only)

Pursuant to PSC 220 Rule 43, the Company will continue to reconcile the actual transmission revenue realized, exclusive of revenue taxes, to the forecast transmission revenue credit assumed in rates (\$185.696 million in each Rate Year). NYPA load (including ReCharge New York load) will be subject to the Transmission Revenue Adjustment Clause ("TRAC"). The TRAC will be subject to a monthly true-up, with any over/under collection at the end of each month to be included in the TRAC balance for

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See Cases 94-E-0098 and 94-E-0099 for the Order dated June 7, 1999, approving the sale of Huntley and Dunkirk Stations, the Order dated May 27, 1999, approving the sale of the hydro stations, and the Order dated April 26, 2000, approving the sale of the Albany Station; see those dockets and Case 96-E-0898 for the Order dated October 21, 1999, approving the sale of the Oswego Station; see those dockets and Cases 96-E-0909 and 96-E-0897 for the Order dated December 20, 2000, approving the sale of the Roseton Station; and see Case 98-E-1028 for the Order dated September 29, 1999, approving the sale of the Glen Park Hydro Station.

refund or recovery, subject to the caps. An example of this reconciliation is set forth in Appendix 5, Schedule 14. Carrying charges will be calculated as set forth in PSC 220 Rule 43.5.1.

## 10.1.20 Reforming the Energy Vision Demonstration Projects (Electric Only)

Niagara Mohawk's electric rates include costs associated with the Company's Fruit Belt Neighborhood Solar, Potsdam Community Resilience, Distributed System Platform, and Clifton Park Demand Reduction Reforming the Energy Vision ("REV") demonstration projects. The Company will defer costs associated with additional REV demonstration projects, including, but not limited to, the Smart Home Rate and the Schenectady "Smart City" demonstration projects, in accordance with the Commission's February 26, 2015 *Order Adopting Regulatory Policy Framework and Implementation Plan* in Case 14-M-0101 ("Track One Order"). The demonstration project budget cap, regardless of cost recovery mechanism, is \$43.915 million, as described in the Track One Order. In the event that future demonstration projects would result in the Company exceeding the demonstration project budget cap, Niagara Mohawk may file a petition with the Commission to increase the budget cap. Future demonstration projects will follow the statewide procedures approved by the Commission for demonstration projects.

## 10.1.21 Gas Net Utility Plant and Depreciation Expense Reconciliation Mechanism

The Company will implement a downward-only gas Net Utility Plant and Depreciation Expense Reconciliation Mechanism. Each Rate Year, the Company will reconcile its actual gas average net utility plant (which includes the allocation of common

plant to the gas business) and depreciation expense revenue requirement to the target gas average net utility plant and depreciation expense revenue requirements, which are: \$183.448 million for Rate Year One; \$193.840 million for Rate Year Two; and \$206.317 million for Rate Year Three.

The gas average net utility plant and depreciation expense revenue requirement will be calculated by multiplying the Company's pre-tax weighted average cost of capital in the respective Rate Years to the gas average net utility plant balance, and adding this product to the gas depreciation expense.

The difference between the actual gas average net utility plant and depreciation expense revenue requirement and the target gas average net utility plant and depreciation expense revenue requirement will carry forward for each Rate Year and be summed at the end of Rate Year Three. As illustrated in Appendix 6, Schedule 9, if, at the end of Rate Year Three, the cumulative actual gas average net utility plant and depreciation expense revenue requirement is negative, the Company will defer the revenue requirement impact for the benefit of customers. If, at the end of Rate Year Three, the cumulative actual gas average net utility plant and depreciation expense revenue requirement is positive, there will be no deferral. In years that incremental LPP replacement costs are recovered through the Gas Safety and Reliability Surcharge, the net plant and depreciation components of the Gas Safety and Reliability Surcharge for incremental LPP replacement costs will be added to the overall Net Utility Plant and Depreciation Expense Reconciliation Mechanism target to avoid any double recovery. An example is shown in Appendix 6, Schedule 15.

The reconciliation mechanism will apply to the Company's aggregate total gas average net plant and depreciation expense combined, and not to individual components.

The net plant target balances and reconciliation will not consider the impact of ADIT.

### 10.1.22 Oil Conversion Program (Gas Only)

Each Rate Year, the Company will reconcile the actual cost of the oil-to-gas conversion program to the annual rate allowance of \$0.764 million. Any difference will be deferred for future return to or recovery from customers, up to a cap of \$1 million annually. The oil-to-gas conversion program is discussed in Section 13.8.2. An example of this reconciliation is set forth in Appendix 6, Schedule 13.

### 10.1.23 Net Revenue Sharing (Gas Only)

The Company's Net Revenue Sharing Mechanism set forth in PSC 219 Rule 26 will continue. The delivery revenue service targets for SC-6, SC-9, and SC-14 have been updated for each of the Rate Years. The updated targets are set forth in Appendix 3, Schedule 9. Carrying charges do not apply.

#### 10.1.24 Accrued Unbilled Revenue Deferral (Gas Only)

Niagara Mohawk will continue its current deferral practice concerning accrued unbilled revenues pursuant to the Commission's August 30, 1988 Order in Case 29670.

No carrying charges will be calculated for accrued unbilled revenues.

### 10.1.25 Continuing Electric Reconciliation Mechanisms

The following electric reconciliation mechanisms will continue outside of base rates:

- a. SBC costs, which include the Clean Energy Fund surcharge, will continue to be reconciled pursuant to PSC 220 Rule 41. Carrying charges will be calculated using the other customer capital rate.
- b. Pursuant to PSC 220 Rule 46.2.6, the Company will continue to pass the benefits associated with the net market value of NYPA Rural and Domestic Power to residential customers. No carrying charges will be calculated.
- c. Commodity costs will be reconciled through the Electricity Supply Reconciliation Mechanism ("ESRM") pursuant to PSC 220 Rule 46.3. No carrying charges will be calculated.
- d. Pursuant to PSC 220 Rule 46.2.7, the Company will reconcile costs associated with the Nine Mile Unit #2 PPA. Carrying charges will be calculated as set forth in Rule 46.2.7.
- e. Purchased power contract costs will be reconciled through the Legacy Transition Charge ("LTC") pursuant to PSC 220 Rule 46.2. No carrying charges will be calculated.
- f. Dynamic Load Management program costs will be reconciled pursuant to PSC 220 Rule 64. Carrying charges will be calculated as set forth in Rule 64.
  - g. The MFC reconciliation as modified in Section 3.6 will continue.
- h. The Clean Energy Standard Supply and Delivery charges will be reconciled pursuant to PSC 220 Rule 46. No carrying charges will be calculated.
- i. Value of Distributed Energy Resources Value Stack costs will be reconciled pursuant to PSC 220 Rule 46. No carrying charges will be calculated.

## 10.1.26 Continuing Gas Reconciliation Mechanisms

The following gas reconciliation mechanisms will continue outside of base rates:

- a. SBC costs, which include the Clean Energy Fund surcharge, will continue to be reconciled pursuant to PSC 219 Rule 31. Carrying charges will be calculated using the other customer capital rate.
- b. The Company will continue to recover and reconcile research and development Millennium Fund costs in accordance with PSC 219 Rule 30 and the Commission's February 14, 2000 Order in Case 99-G-1369. No carrying charges will be calculated.
- c. The Company will continue to recover and reconcile its cost of gas in accordance with PSC 219 Rule 17. Carrying charges will be calculated as set forth in PSC 219 Rule 17.7.2.
- d. The MFC reconciliation as modified in Section 4.7 will continue. Carrying charges for the annual MFC reconciliation will be calculated at the other customer capital rate.
- e. The LAUF reconciliation as modified in Section 4.5 will continue. Carrying charges for the annual LAUF reconciliation will be calculated at the other customer capital rate.

#### 10.2 New Electric and Gas Reconciliations, Deferrals, and True-Ups

The following new electric and gas deferral accounts will be implemented. Niagara Mohawk will accrue carrying charges on the new deferral account balances calculated using the pre-tax weighted average cost of capital for the respective Rate Year.

### 10.2.1 ETIP Costs (Electric and Gas)

The electric and gas ETIP costs deferral is set forth in Section 13.2.1.

#### 10.2.2 Long-Term Debt True-Up (Electric and Gas)

Beginning in Rate Year Two, the Company will reconcile its actual cost of long-term debt to the cost used to establish rates in these proceedings. As detailed in Section 2.1.b, the cost of long-term debt set forth in this Joint Proposal reflects debt rates of 4.19 percent in Rate Year Two and 4.13 percent in Rate Year Three, and a ratio of Long-Term Debt to Total Capitalization of 51.06 percent. The calculation of actual interest expense will reflect the agreed upon ratio of Long-Term Debt to Total Capitalization and actual debt rates multiplied by the lesser of the actual rate base or the rate base used to establish rates in these proceedings. Any difference will be deferred for future refund to or recovery from customers. Examples of this reconciliation are set forth in Appendix 5, Schedule 8 for electric, and in Appendix 6, Schedule 8 for gas.

10.2.3 Service Company Rents IS and GBE Program
Net Utility Plant and Depreciation Expense
Reconciliation Mechanism (Electric and Gas)

This deferral is set forth in Section 8.2.

## 10.2.4 IS Capital Investment Cost Incentive (Electric and Gas)

This deferral is set forth in Section 8.3.

## 10.2.5 Walk-in Payment Transaction Fees (Electric and Gas)

As set forth in Section 13.5.1, Niagara Mohawk's electric and gas rates include \$1.120 million and \$0.414 million, respectively, per year to recover the forecast cost of the transaction fees charged to customers who pay their bill at an authorized walk-in payment location. Each Rate Year, the Company will fully reconcile the actual level of transaction fee costs to the respective rate allowance. Any under- or over-recovery will be deferred for future refund to or recovery from customers. An example of this reconciliation is set forth in Appendix 5, Schedule 17 for electric, and in Appendix 6, Schedule 14 for gas.

## 10.2.6 LED Energy Efficiency Program (Electric Only)

The LED energy efficiency deferral is set forth in Section 13.2.3.

#### 10.2.7 LED Capital Investment Tracker (Electric Only)

Niagara Mohawk's electric rates assume an annual rate of municipal conversions to LED technology of ten percent. To enable the Company to implement municipal conversions of up to 20 percent annually, the Company will implement an LED capital investment tracker for municipal LED street light conversions. Each Rate Year, the Company will reconcile the amount reflected in rates to convert municipal roadway luminaires to LEDs (\$7.745 million per year, which includes the cost of removal), and defer for future recovery from or refund to customers the revenue requirement impact of the over or under spend (capped at an annual 20 percent LED conversion level). The LED Capital Investment Tracker will operate in conjunction with the Net Utility Plant and Depreciation Expense Reconciliation Mechanism described in Section 10.1.14 to

account for the two-way nature of the LED Capital Investment Tracker. An example of this reconciliation is set forth in Appendix 5, Schedule 15.

## 10.2.8 Vegetation Management Program Costs (Electric Only)

Niagara Mohawk will implement a downward only reconciliation of its transmission and distribution vegetation management program costs. The reconciliation will apply to the Company's aggregate total vegetation management costs (*i.e.*, combined transmission and distribution program costs, including the Emerald Ash Borer component of the program) over the term of the Rate Plan. Any under-expenditure in total program costs in a given Rate Year will be carried forward and reconciled at the end of Rate Year Three. An example of the reconciliation is set forth in Appendix 5, Schedule 16.

## 10.2.9 Platform Service Revenue (Electric Only)

Consistent with the Commission's *Order Adopting a Ratemaking and Utility Revenue Model Policy Framework* (issued and effective May 19, 2016) in Case 14-M-0101 ("Track Two Order"), the Company will implement a platform service revenue sharing mechanism for its electric business in the Rate Years. The mechanism applies to the fees collected by the Company from vendors who participate in the Company's Residential Solar Marketplace and E-Commerce Platform. Each Rate Year, the Company is authorized to retain 20 percent of the fees. The remaining 80 percent of the fees will be deferred for future credit to customers. An example of this mechanism is set forth in Appendix 5, Schedule 18.

## 10.2.10 Street Light RDM (Electric Only)

The street light RDM is set forth in Section 3.5.

## 10.2.11 ETIP Revenues (Gas Only)

The Company will reconcile the actual gas ETIP revenues recovered from SC-3, SC-5, and SC-8 customers to the amount included in rates over the term of the Rate Plan. At the end of Rate Year Three, the Company will reconcile the difference, if any, and refund to or recover from customers the difference through the DSA. An example of this reconciliation is set forth in Appendix 3, Schedule 12.

## 10.2.12 Gas Safety Programs

This deferral is set forth in Section 7.5.

## 10.3 Additional Reconciliations, Deferrals, and True-Ups

Nothing in this Joint Proposal prevents Niagara Mohawk from implementing additional reconciliations or deferral mechanisms if approved by the Commission.<sup>22</sup>

To the extent a deferral is not addressed by a specific provision of this Joint Proposal or as otherwise ordered by the Commission, in determining whether a change in Niagara Mohawk's costs or revenues that falls within a provision of this Joint Proposal is incremental or decremental, Niagara Mohawk's actual cost or revenue for the year affected by the change will be compared to the corresponding annual cost or revenue item reflected in rates. The cost or revenue forecast underlying rates established in these proceedings will be as stated in this Joint Proposal or as modified by the Commission in its final Order in these proceedings, increased as appropriate for inflation and reduced to reflect the total net productivity savings assumed in rates.

## 11. <u>Electric and Gas Service Quality Assurance Program and Other</u> Performance Metrics

### 11.1 Service Quality Assurance Program

Niagara Mohawk's Service Quality Assurance Program, which includes electric and gas customer service and electric reliability performance metrics, are set forth in Appendix 15.

# 11.2 Termination and Uncollectible Expense Metric (Electric and Gas)

Effective January 1, 2018, the Company will implement an annual Termination and Uncollectible Expense metric. The metric is designed to provide an incentive for the Company to reduce the number of residential service terminations for non-payment while decreasing, or maintaining, the level of bad debt from residential accounts.

The metric measures the number of annual residential terminations and the total annual uncollectible expense (*i.e.*, write offs) for the combined electric and gas segments, which, depending on performance, can result in full or partial negative or positive revenue adjustments as set forth in the table below:

	<b>Customer Terminations*</b>	Uncollectible Expense
	(5-Year Average)	(5-Year Average)
5-Year Historical	58,000	\$52,700,000
Average		
Positive (Lower)	43,000	\$39,400,000
Target (PRA)		
Negative (Upper)	72,000	\$66,100,000
Target (NRA)		

<b>Positive Incentive</b>	Negative Incentive	
\$3,591,700 if both measures are at	\$3,591,700 if both measures are at	
or below Lower Targets	or exceed Upper Targets	

\$1,539,300 if one measure is equal to or below Lower Target and the other is equal to or below 5-year Historical Average

\$1,539,300 if one measure is equal to or exceeds Upper Target and the other is equal to or above 5-Year Historical Average

\* "Terminations" means actual residential terminations completed, not the number of termination notices issued.

Niagara Mohawk will report on its performance on the Terminations and Uncollectible Expense metric in the quarterly and annual Service Quality Assurance Program reports, discussed in Appendix 15.

#### 11.3 Gas Cost Estimating Metric

The Gas Cost Estimating Performance Metric is measured on a fiscal year basis (April 1 through March 31) and applies to all complex gas capital projects (initiated on or after May 19, 2016) with project estimates over \$100,000 that are developed by the Company's Gas Projects Estimating group and that close during the applicable fiscal year. The metric includes both projects constructed by internal resources or contractors. Blanket and Program projects are excluded from the metric unless they are complex projects. Emergency projects and material-only purchase orders also are excluded from the metric.

The Gas Cost Estimating Performance Metric will be based on the variance between the project estimate and actual spending, measured using the pre-construction project estimate plus pre-construction change orders versus actual spending recorded in Power Plan when the project is closed. At the time the variance is calculated, the estimated burden/overheads included in the pre-construction estimates will be recalculated using the actual effective rates experienced during construction for all

projects except for customer reimbursed projects. Any recalculations to the preconstruction estimates will be clearly identified.

For all projects subject to the metric that closed during a given fiscal year, the Company will incur a negative revenue adjustment in the amount of:

- \$280,000 if more than 20 percent of the projects experience cost variances of more than ten percent;
- \$560,000 if more than 30 percent of the projects experience cost variances of more than ten percent; and
- \$1.120 million if more than 40 percent of the projects experience cost variances of more than ten percent.

The Company will file a Gas Cost Estimating Metric Report with the Secretary by May 15 following each fiscal year for all metric-qualified projects that closed during the previous fiscal year. The Company may include in the annual report a request for exemption from the metric calculation for any project variance that was caused by third-party changes or other circumstances beyond the Company's control.

## 12. Gas Safety Performance Metrics

Niagara Mohawk's gas safety performance will be measured for each CY against a set of Gas Safety Performance Metrics. A total of 150 pre-tax basis points will be at risk per CY for Niagara Mohawk's performance under the Gas Safety Performance Metrics, as described below. Any Gas Safety Performance Metrics negative revenue adjustments incurred by Niagara Mohawk will be deferred for future use in incremental gas safety programs.

The Gas Safety Performance Metrics will be in effect for the term of the Rate Plan, and will continue thereafter on a year-to-year basis, unless discontinued or modified by the Commission. If Niagara Mohawk believes in any year that its inability to meet any of the established incentive targets was attributable to circumstances that are outside the control of Niagara Mohawk and could not be avoided with the exercise of due care, it may petition the Commission for relief from any associated negative revenue adjustment.

#### 12.1 LPP Removal

#### 12.1.1 Annual LPP Removal Metric

Niagara Mohawk will incur a negative revenue adjustment of eight basis points should it fail to remove from service a minimum of 45 miles of LPP in CY 2018 and CY 2019, or a cumulative three-year total of 150 miles of LPP by the end of CY 2020. Niagara Mohawk will replace leak-prone services in conjunction with LPP main removal efforts.

Should Niagara Mohawk not file for new rates to be effective at the conclusion of the Rate Plan, the negative revenue adjustment target will be set at 50 miles per CY beginning with CY 2021 and continuing until modified by the Commission.

#### 12.1.2 LPP Removal Incentive

Niagara Mohawk will earn a positive revenue adjustment of two basis points for each full mile of LPP removed above the incentive thresholds set forth below. The positive revenue adjustment will be capped at ten basis points per year and deferred, as discussed in Section 10.1.8.

CY	2018	2019	2020
Incentive Threshold – Incremental Mileage	50 miles	50 miles	150 cumulative total
Incentive (capped at 10 basis points annually)	2 basis points per mile above threshold	2 basis points per mile above threshold	2 basis points per mile above threshold

An illustrative example of this incentive mechanism is provided in Appendix 6, Schedule 16. In the event Niagara Mohawk fails to achieve its minimum removal target in any CY or the cumulative target at the end of the Rate Plan, it will return any LPP removal incentive earned during the term of the Rate Plan.

## 12.2 Leak Management

## 12.2.1 Leak Backlog Metrics

Niagara Mohawk will incur a negative revenue adjustment if it fails to achieve year-end leak backlog targets for (i) workable leaks (Type 1, 2, and 2A leaks) and (ii) all leaks (Type 1, 2, 2A, and 3), as follows:

Leak Metric	Target		Negative Revenue Adjustment
Workable Leaks (Type 1, 2, 2A)	Each CY	≤ 25	8 basis points
	CY 18	925	
Total Leaks (Type 1, 2, 2A, 3)	CY 19	See Below	4 basis points
	CY 20	See Below	

For the Total Leaks Metric, the year-end total leak backlog relative to the target will result in the following revenue adjustments and targets for the subsequent year:

- Missed total target: Negative revenue adjustment of four basis points and the target for following year is reduced by 75.
- Total is 0 to 49 below target: Revenue adjustment of zero basis points and the target for following year is reduced by 75.
- Total is 50 to 99 below target: Positive revenue adjustment of one basis point and the target for following year is reduced by 75.
- Total is 100 to 149 below target: Positive revenue adjustment of two basis points and the target for following year is reduced by 100.
- Total is 150 to 199 below target: Positive revenue adjustment of three basis points and the target for following year is reduced by 150.
- Total is 200 to 249 below target: Positive revenue adjustment of four basis points and the target for following year is reduced by 200.
- Total is more than 249 below target: Positive revenue adjustment of five basis points and the target for following year is reduced by 250.

The following table provides the CY 2019 and CY 2020 targets based on the CY 2018 and CY 2019 performance expressed as the resulting revenue adjustment. For example, if CY 2018 performance results in a positive revenue adjustment of two basis points, the target for CY 2019 would be 825, and then if CY 2019 performance results in a positive revenue adjustment of three basis points, the target for CY 2020 would be 675.

Total Leak Backlog Target						
CY 2018	CY 2019	CY 2020				
CY 18 Target = 925  CY 18  Performance	CY 19 Performance  CY19  Target	RA = -4,0,1	RA = 2	RA = 3	RA = 4	RA = 5
↓	<b>+</b>		CY	20 Targe	et	
RA = -4,0,1*	850	775	750	700	650	600
RA = 2	825	750	725	675	625	575
RA = 3	775	700	675	625	575	525
RA = 4	725	650	625	575	525	475
RA = 5	675	600	575	525	475	425

<sup>\* &</sup>quot;RA" means revenue adjustment resulting from that year's actual performance.

#### 12.2.2 Leak Repair Incentive

As described above Niagara Mohawk will earn a positive revenue adjustment for eliminating incremental leaks below the Total Leak targets in Section 12.2.1. Niagara Mohawk will accrue a positive revenue adjustment of one basis point for each 50 leaks

<sup>\*\*</sup> The numbers in the table represent the revenue adjustments ranging from negative four basis points up to a positive five basis point adjustment.

eliminated (maximum of five basis points per year). Niagara Mohawk must achieve both annual backlog reduction targets to qualify for this incentive. The positive revenue adjustment will be deferred, as discussed in Section 10.1.8. An example of this mechanism is included in Appendix 6, Schedule 16.

## 12.3 Damage Prevention

## **12.3.1 Damage Prevention Metric**

Beginning in CY 2018, the Damage Prevention Metric has been restructured to eliminate the individual metrics for Mismark and Company/Company Contractor damages. Instead of individual metrics for each damage category, the Damage Prevention Metric will be based on Overall Damages (as described below). Niagara Mohawk will incur a negative revenue adjustment of up to 18 basis points in the event its year-end damage prevention performance in Overall Damages falls within the following ranges:

Damage Prevention Measure	Overall Damages per 1,000 one-call ticke		
Negative Revenue Adjustment	0 basis points	9 basis points	18 basis points
CY 2018	< 2.25	2.25 – 2.75	> 2.75
CYs 2019 and 2020	< 2.00	2.00 – 2.50	> 2.50

For purposes of calculating the Damage Prevention Metric, Overall Damages will include the following categories and subcategories of damages:

Categories	Sub-Categories	
Mismarks	Records Deficiency	
IVIISIIIaIKS	Locator Error	
C 1	Company: Gas	
Company and Company Contractor	Contractor: Gas	
Company Contractor	Other	
	Operators	
Third Party	Excavators	
	Homeowners	
No-Calls	Operators	
ino-calls	Excavators	

Additionally, the Company will continue to report damage prevention data quarterly for purposes of the "Analysis of Damages on Gas Corporation Facilities" quarterly performance report as set forth in the Gas Safety Guidance letter dated December 11, 2015 and issued by the Deputy Director of the Office of Electric, Gas, and Water. The data included in the quarterly performance report is for informational purposes only and does not impact the calculation of the Damage Prevention Metric.

## **12.3.2 Damage Prevention Incentive**

Niagara Mohawk will earn a positive revenue adjustment of up to six basis points in the event its year-end damage prevention performance in Overall Damages meets the following incentive targets:

Damage Prevention Measure	Overall Damages per 1,000 one-call tickets		
Positive Revenue Adjustment	3 basis points	6 basis points	
CY 2018	1.50 – 2.0	< 1.50	

CYs 2019 and 2020	1.25 – 1.75	< 1.25
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The positive revenue adjustment will be deferred, as discussed in Section 10.1.8.

## 12.4 Emergency Response

### 12.4.1 Emergency Response Metric

Niagara Mohawk will incur a negative revenue adjustment for failure to meet the following leak and odor call response targets:

- (a). Respond to 75 percent of all gas leak and odor calls within 30 minutes (six basis points);
- (b). Respond to 90 percent of all gas leak and odor calls within 45 minutes (four basis points); and
- (c). Respond to 95 percent of all gas leak and odor calls within 60 minutes (two basis points).

Instances of 20 or more odor calls in a two-hour period resulting from a mass area odor issue that is not caused by Niagara Mohawk can be excluded from this measure with Staff review. Niagara Mohawk will provide notification to Staff (through an email to safety@dps.ny.gov) within seven days of such events. Staff will review the requested exclusion and provide Niagara Mohawk with a determination of whether the event may be excluded.

## 12.4.2 Emergency Response Incentive

Niagara Mohawk will earn a positive revenue adjustment of up to six basis points for meeting the following leak and odor call response targets:

<b>Emergency Response Incentive</b>	Response within 30 minutes		inutes
Response Rate	86% - 88%	> 88% - 90%	> 90%
Positive Revenue Adjustment	2 basis points	4 basis points	6 basis points

The positive revenue adjustment will be deferred, as discussed in Section 10.1.8.

## 12.5 Gas Safety Regulations Performance Metric

- a. Niagara Mohawk will incur a negative revenue adjustment for instances of noncompliance (occurrences of violations) of certain gas safety regulations identified during Staff's field and records audits. Appendix 8 lists the high risk and other risk gas safety regulations pertaining to this metric.
- b. Subject to section (c), below, Niagara Mohawk will be assessed negative revenue adjustments for each high risk and other risk violation, up to a maximum of 100 basis points per Rate Year, as follows:

Audit	Violation Type	Occurrences	Basis Points Per Occurrence
		1-10	0
	High Risk	11-40	1/2
Records		41+	1
Audit	Audit Other Risk	1-30	0
		31+	1/3
Annual	1 – 40	1/2	
Audit	Field High Risk Audit	41+	1

Other Risk	All	1/3
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- c. The number of occurrences of non-compliance with each high risk and other risk regulation listed in Appendix 8 subject to a negative revenue adjustment is capped at ten per calendar year. If Niagara Mohawk is cited for more than ten occurrences of non-compliance with a particular high risk or other risk regulation in a calendar year, Niagara Mohawk will file with the Secretary a compliance improvement plan that contains: (i) a root cause analysis of Niagara Mohawk's compliance deficiency; and (ii) a proposed mitigation plan to address future performance. Niagara Mohawk and Staff will meet to develop a mutually agreeable mitigation plan, which will include provisions for tracking and regular reporting on Niagara Mohawk's efforts to address the compliance deficiency. The improvement plan will be filed with the Secretary within 90 days of the audit letter identifying the compliance deficiency.
- d. At the conclusion of each audit, Staff and Niagara Mohawk will have a compliance meeting where Staff will present its findings to Niagara Mohawk. Niagara Mohawk will have ten business days from the date the audit findings are presented to cure any identified document deficiency. Only official Niagara Mohawk records, as defined in Niagara Mohawk's Operating and Maintenance plan, will be considered by Staff as a cure to a document deficiency. Staff will submit its final audit report to the Secretary under Case 17-G-0239. If Niagara Mohawk disputes any of Staff's final audit results, Niagara Mohawk may appeal Staff's finding to the Commission. Niagara Mohawk will not incur a negative revenue adjustment on the contested findings until such time as the Commission has issued a final decision on the contested findings.

Niagara Mohawk does not waive its right to seek an appeal of any Commission determination regarding a violation or penalty under applicable law.

- e. If an alleged occurrence of non-compliance with a high risk or other risk regulation is the subject of a separate penalty proceeding by the Commission, the occurrence will not count under the performance metric. Any non-compliance event that encompasses more than one code section (*e.g.*, a violation of a gas safety regulation and Niagara Mohawk's operating procedures under 16 NYCRR 255.603(d)) will count as one occurrence for purposes of calculating a negative revenue adjustment.
- f. The total negative revenue adjustment incurred will be deferred for future use to fund gas safety and compliance improvement programs. Niagara Mohawk and Staff will develop mutually agreeable program scopes and timelines for these safety and compliance programs, which will be submitted to the Commission for its review. Niagara Mohawk will submit regular status reports on the programs and funds expended.

## 12.6 Gas Safety Reporting and Exceptions

Niagara Mohawk will report its annual performance in each of the areas set forth in Sections 12.1 to 12.4 to the Secretary by April 1 following the end of each CY.

#### 13. Customer Programs

## 13.1 Low Income Energy Affordability Program

Beginning January 1, 2018, Niagara Mohawk will implement its Energy Affordability Program in accordance with the Company's implementation plan, which was approved by the Commission with modification in its *Order Approving Implementation Plans With Modifications*, issued on February 17, 2017 in Case 14-M-

0565 (the "Implementation Order"). As noted in the Implementation Order, Niagara Mohawk discontinued new enrollments in its arrears forgiveness program (the Affordability Program) in March 2017. The program will be phased-out gradually, as existing customers participating in the program either complete the program, default, or voluntarily remove themselves from the program. The Company will reduce (debit) the current regulatory liability for the arrears forgiveness program for any credits provided to grandfathered customers.

The monthly benefit levels for each tier in the Energy Affordability Program are as follows:

**Energy Affordability Program – Tiered Benefit Levels** 

<u>Electric</u>				
Tier Description	<u>Tier</u>	<b>Heat Discount</b>	Non-Heat Discount	
Regular and Emergency				
HEAP Payment	Tier 1	\$11.00	\$11.00	
HEAP payment + 1 add-				
on	Tier 2	\$29.00	\$29.00	
HEAP payment + 2 add-				
ons	Tier 3	\$47.00	\$47.00	
Direct Voucher/Guarantee	Tier 4	\$31.00	\$31.00	
Non-Utility HEAP	Tier 5	\$11.00	\$11.00	
<u>Gas</u>				
<u>Tier Description</u>	<u>Tier</u>	Heat Discount	Non-Heat Discount	
Regular and Emergency				
HEAP Payment	Tier 1	\$3.00	\$3.00	
HEAP payment + 1 add-				
on	Tier 2	\$10.00	\$3.00	
HEAP payment + 2 add-				
ons	Tier 3	\$29.00	\$3.00	
Direct Voucher/Guarantee	Tier 4	\$12.00	\$3.00	
Non-Utility HEAP	Tier 5	\$3.00	\$3.00	

The annual rate allowance for the Energy Affordability Program is \$56.594 million for electric and \$14.905 million for gas. Per the Commission's *Order Adopting* 

Low Income Program Modifications and Directing Utility Filings (issued and effective May 20, 2016) in Case 14-M-0565 ("Low Income Order"), the Company annually will review the benefit levels with regard to the overall energy burden target and the two percent budget cap, and adjust benefit levels as needed. The rate allowance is subject to reconciliation, as set forth in Sections 10.1.2.

The Company will continue its current, monthly low income reports through November 2018. Starting with the first report filed after the Commission issues an order adopting the terms of this Joint Proposal, the reports will be filed with the Secretary. Beginning in December 2018, the Company will submit quarterly reports on the electric and gas Energy Affordability Program to the Secretary, as specified in the Low Income Order.

## 13.2 Energy Efficiency Program Costs

#### **13.2.1 ETIP Costs**

As of the Effective Date, the Company's electric and gas ETIP costs will be recovered in base rates instead of the Energy Efficiency Tracker Surcharge portion of the SBC. As Niagara Mohawk would be the first utility in the State to have its energy efficiency costs fully transitioned into base rates, Staff, the Company, and interested parties will work collaboratively to address any potential issues that may arise from the transition. The annual electric and gas ETIP costs included in base rates are \$51.458 million and \$10.549 million, respectively. This excludes the \$1.6 million for the electric LED Energy Efficiency Program described in Section 13.2.3. The electric and gas ETIP costs are subject to a downward-only reconciliation over the term of the Rate Plan. Any under-expenditure in a given Rate Year will be carried forward and reconciled at the end

of Rate Year Three. An example of the reconciliation is set forth in Appendix 5, Schedule 22 for electric, and in Appendix 6, Schedule 19 for gas. The reconciliation applies to the Company's aggregate total electric and gas ETIP spending, respectively, not to individual budgeted program components within the electric and gas ETIPs. The Company will continue to be afforded the flexibility to shift funds within the respective electric and gas ETIP portfolio of programs.

## 13.2.2 Internal Labor, EM&V, and E-Commerce Platform Costs

Costs associated with the Company's energy efficiency internal labor, evaluation, measurement, and verification ("EM&V") activities, and the E-Commerce platform have been moved from the electric and gas ETIPs to base rates (\$10.840 million annually for electric and \$3.465 million annually for gas). These costs are not subject to reconciliation.

#### 13.2.3 LED Energy Efficiency Program

The Company will implement an LED street lighting energy efficiency program with an annual rate allowance of \$1.6 million to facilitate the conversion of street light assets to LEDs. This amount will be included in the electric ETIP, thus bringing the annual electric ETIP total to \$53.058 million. The annual cost of this program will be separately reconciled, as described below. Under this program, the Company will provide an energy efficiency incentive per fixture, based on the fixture wattage installed, for both customer-owned and Company-owned street light assets on a first-come, first-served basis. Niagara Mohawk's administrative costs for the program will not exceed 10 percent of the annual program cost.

If, on an annual basis, the Company converts more than 10 percent of street light assets to LEDs and actual program costs exceed \$1.6 million, the Company is authorized to defer for future recovery the pro-rated costs that: (i) exceed the rate allowance, and (ii) result from conversions in excess of 10 percent of the street light assets. The maximum amount that the Company can defer is an additional \$1.6 million per year, for a maximum total annual cost of \$3.2 million. An example of this reconciliation is set forth in Appendix 5, Schedule 21.

### 13.2.4 Moderate Income Energy Efficiency Offering

Beginning in Rate Year One, Niagara Mohawk will implement a moderate income electric and gas energy efficiency offering. In developing the offering, the Company will collaborate with the New York State Energy Research and Development Authority. By May 1, 2018, the Company will convene a meeting with interested parties to receive input on the Company's proposed offering. The details of the offering will be set forth in the Company's June 1, 2018 ETIP filing. The cost of the offering will be funded from the current electric and gas ETIP budgets.

#### 13.3 Economic Development Programs

#### 13.3.1 Economic Development Fund Program

The Company will continue its existing electric and gas Economic Development Fund Programs, which provide discounted electric and gas delivery rates to qualifying customers under the EZR and Excelsior Jobs Programs, and discounted delivery rates to customers qualifying for electric discount contracts under SC-12 or to customers with

existing SC-12 discount contracts. The discounts provided are subject to full reconciliation as set forth in Section 10.1.3.

#### 13.3.2 Economic Development Grant Program

The Company will administer its portfolio of electric and gas Economic Development Grant Programs at funding levels of \$11 million and \$1 million per year, respectively, subject to downward-only reconciliation over the term of the Rate Plan, as set forth in Section 10.1.4. The Company will file annually with the Commission its Economic Development Program Plan for the upcoming year no later than November 1. The Company will continue to meet on an annual basis with Staff and interested parties to discuss the Economic Development Program Plan.

### 13.4 Call Center Technology Upgrades

Niagara Mohawk will implement IS upgrades to its call center technology. The Company will file with the Secretary quarterly reports on implementation status, including progress toward call balancing capability and expenditures to date. The first quarterly report will be due 30 days following the end of the second quarter of Rate Year One, with subsequent reports to be filed 30 days after the end of each Rate Year quarter. Once the call center technology upgrades are implemented, Niagara Mohawk is authorized to transfer calls among National Grid's New York State call centers and in state third-party vendors to balance call volumes.

### 13.5 Bill Payment Options

## 13.5.1 Walk-in Payment Transaction Fees

Niagara Mohawk's rates include the cost to socialize the per transaction fee charged to customers who pay their bill at an authorized walk-in payment location. Based on the current \$1.25 per transaction fee for authorized walk-in payments, for approximately 1.22 million transactions, the annual rate allowance for these fees is \$1.534 million. The fees will be allocated 73 percent and 27 percent to the electric and gas businesses, respectively. The rate allowance is subject to full reconciliation, as set forth in Section 10.2.5. The Company will make a determined effort to negotiate lower per-transaction costs in future vendor payment agreements.

#### 13.5.2 Credit/Debit Card Transaction Fees

Niagara Mohawk will review options to attempt to lower the transaction fee customers are charged for using their credit or debit cards to pay their utility bill. Within 90 days of the Effective Date, the Company will file a report with the Secretary that includes an estimate of the costs to socialize the transaction fee, along with a proposal for cost recovery should the Commission determine that the transaction fee should be socialized. There is no presumption that such transaction fees should or should not be socialized, and parties may take any position concerning any proposal filed by the Company.

#### 13.6 Same-Day Electric Customer Reconnections

Niagara Mohawk commits to perform more same-day electric reconnections when practical. The Company will work toward a goal of same-day reconnections for electric

customers whose payment is received by noon. The Company will work toward this goal without additional incremental cost recovery and without any associated penalty. The Company will collect and report monthly data to the Secretary on the number and percentage of same-day reconnections for electric customers whose payment is received by noon.

#### 13.7 Payment Agreements

## 13.7.1 Training Materials and Customer Messaging

Niagara Mohawk will update its training materials for customer service representatives and enhance its customer messaging on collections-related brochures, written customer notices, and the integrated voice response message regarding customers' rights for affordable payment agreements. In addition, the Company's training materials will be updated, as needed, to discuss the availability of, and the requirements for enrollment in, low income assistance programs. Specifically:

- a. The Company's training materials and customer messaging will distinguish between customers' options for "collection arrangements" or "deferred payment agreements" ("DPAs"), and include language to provide customers with information on the features of each, including the amount the customer will be required to pay under each; and
- b. The Company will update its 2015 Customer Service Representative Training Materials (which were provided in these proceedings as Attachment 2 to the Company's response to Information Request No. DPS-580) to eliminate references to "non-enforceable" oral arrangements and otherwise update the training materials to reflect current practices.

Within 30 days of the Effective Date, the Company will provide interested parties with the updated training materials and enhanced messaging for input and comment. Parties will provide any comments to the Company by May 31, 2018, with the Company finalizing any proposed changes by June 30, 2018. The Company fully commits to working with the parties to enhance these materials, but the final content of the training materials and messaging will be selected by the Company in its discretion. The Company will complete any required training for call center representatives and consumer advocates within 90 days of finalizing the updated training materials and messaging.

### 13.7.2 Recording Calls

Niagara Mohawk will, to the extent practicable, record outbound and inbound collection calls to and from the Company's call centers.

# 13.7.3 Written Confirmation of Collections Arrangements

Niagara Mohawk will maintain a record of non-DPA collection arrangements entered into as part of a customer's account file. The Company will instruct its call center representatives to offer a written copy of all such agreements to the customer, and to furnish a written copy to each customer entering into such agreement by mail or email, upon request.

### 13.7.4 Electronic Deferred Payment Agreements

By December 31, 2017, Niagara Mohawk agrees to submit a proposal to implement electronic DPAs to the Commission for its approval. The proposal will be

modeled upon the electronic DPA implementation plan submitted in Case 13-G-0016, and will include a risk assessment. A draft of Niagara Mohawk's proposal will be provided to interested parties for comment prior to filing with the Commission.

### 13.8 Gas Programs

### 13.8.1 Commercial Gas Demand Response Project

Niagara Mohawk will implement a Commercial Gas Demand Response Project for commercial firm customers who agree in advance to permit the Company to reduce their gas usage during periods of peak demand. This non-pipeline alternative project will focus on customers served through the East Gate and will target a 25 percent average peak reduction in gas usage for each participating customer. The goal of the program is to achieve an approximate one percent reduction of the winter peak on the East Gate. Under the program, participating customers will receive payments based on the number of demand response activations, the number of "units" reduced by the customer (where one unit represents 0.5 dekatherms per hour), and the incentive rate, which will be determined through a competitive bid process. The program will utilize third-party aggregation, as available, and develop equipment control interconnection standards for prospective participants. The Company will file with the Secretary an annual report on the status of the program that includes a benefit-cost analysis ("BCA") within 30 days following the end of each Rate Year.

### 13.8.2 Oil Conversion (Gas) Program

The Company will continue its oil conversion program, the cost of which will not exceed \$1 million annually. The program provides customers with rebates for converting

to high-efficiency gas equipment to reduce a customer's upfront cost of converting from oil to natural gas, including a rebate targeted at low income customers. Niagara Mohawk's rates reflect an expense allowance of \$0.764 million each Rate Year to support the conversion program. Program costs will be subject to a full reconciliation, as set forth in Section 10.1.22, provided that the total program costs will be capped at \$1 million in any Rate Year.

### 13.8.3 Neighborhood Expansion Program

Niagara Mohawk's Neighborhood Expansion Program ("NEP") was approved by the Commission in Case 12-G-0202. Under the NEP, Niagara Mohawk uses a variety of data to identify promising locations for conversion projects and seeks to secure commitments from a threshold level of customers to justify the capital investment in infrastructure necessary to serve the area. Niagara Mohawk will continue the NEP using the density test approved in Case 12-G-0202 to identify a threshold level of customers sufficient to justify NEP-related investments.

As part of its marketing for the NEP, the Company will assess customers' interest in converting from oil to gas or electric heat pumps. The Company will also develop two BCAs for the NEP to be filed in its next rate case. The first BCA will be conducted from a prospective customer perspective and consider the cost and benefits of a customer installing and operating natural gas or other heating alternatives. The second BCA will be conducted using the Commission's societal cost test set forth in the *Order Establishing the Benefit Cost Analysis Framework*, issued on January 21, 2016 in Case 14-M-0101 (the "BCA Order"). At the same time as the Company responds to the pre-filing discovery requests in the next rate proceeding, the Company will provide one

additional run of the customer perspective BCA and the societal cost test BCA to Pace directly. The customer perspective BCA provided to Pace will reflect the operating expenses over the lives of each heating system. The societal cost test BCA provided to Pace will include methane (to the extent that methane or its CO<sub>2</sub> equivalent is not already included in the version submitted by the Company) and additional inputs to be provided by Pace. The provision of this information by the Company will not be considered to be an endorsement of the requested BCA by the Company or other Signatory Parties.

### 13.8.4 Low Income CIAC Relief Program

The Low Income CIAC<sup>23</sup> Relief Program will provide customers enrolled in the Energy Affordability Program who are interested in converting to natural gas with up to 50 feet of additional main and up to 50 feet of additional service line (in addition to the existing tariff entitlements) at no cost. The Company estimates this program will provide benefits to 50 eligible low income customers in each Rate Year.

#### 13.8.5 Renewable Gas Interconnection Standards

Within 30 days of the Effective Date, Niagara Mohawk will file with the Secretary a standard interconnection agreement to be used by owners, operators, and/or developers of renewable resources that will set forth the terms and conditions on which gas may be delivered to the Company's distribution systems. This interconnection agreement will set forth, *inter alia*, standards for gas quality and will delineate responsibility for equipment ownership and operation and maintenance. The

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<sup>&</sup>lt;sup>23</sup> CIAC is the contribution in aid of construction that customers seeking natural gas service are required to pay for an extension of more than 100 feet of main and/or 100 feet of service line.

interconnection agreement will permit owners/operators/developers to deliver gas for either transportation to third parties or sale to the Company on such terms as the parties may negotiate. The standard interconnection agreement will be consistent with the standardized interconnection agreements that were approved by the Commission in Cases 16-G-0058 and 16-G-0059.

### 13.8.6 Non-Pipeline Alternative Incentive Mechanism

Within 60 days of the Effective Date, the Company will facilitate a collaborative to develop mechanisms, targets, and appropriate financial incentives for non-pipeline alternatives that are focused on improving the efficiency and operation of the Company's natural gas system. The collaborative will consider solutions using new and existing technologies to accomplish this goal. Any recommended incentive will require, on a project basis: (i) an overall positive net BCA, performed in accordance with the BCA Order, and (ii) a reduction to fossil fuel usage and/or the elimination of fossil fuel usage during peak periods. As a starting point, the parties to the collaborative will assess the applicability of the non-wires alternative process, set forth above in Appendix 13, to the non-pipeline alternative incentive. The Company will file a report on the collaborative's findings and recommendations within 180 days of the start of the collaborative.

### 13.9 Electric Customer Products

Niagara Mohawk's electric rates include \$2 million annually (\$6 million in total over the term of the Rate Plan) for an electric heat and an electric transportation initiative.

The electric heat initiative is designed to encourage customers to convert to efficient electric heat pumps when replacing older, less efficient, and more carbon

intensive heating equipment. The initiative will provide rebates to promote the installation of electric heat pumps so as to accelerate efficient heat electrification in support of New York State's climate goals.

The electric transportation initiative is an electric vehicle charging station development and education program that is designed to increase electric vehicle adoption while supporting New York State's zero emission vehicles and greenhouse gas emissions policy goals. Under this initiative, the Company would make capital upgrades to accommodate the future installation of electric vehicle charging stations at commercial customers' properties, and provide incentives to property owners to encourage the installation of these stations.

The Company will spend \$2 million over the term of the Rate Plan on each initiative (total of \$4 million). The remaining \$2 million will be allocated between the electric heat and electric transportation initiatives in an amount that the Company determines, in its discretion, would deliver the most benefits for customers through carbon reductions.

#### 13.10 SC-1 Alternative Rate Structures

Within six months of the order setting rates in these proceedings, the Company will file with the Secretary a proposal or proposals for time-of-use and/or other voluntary residential rate structure(s) to further the State's energy goals, including the adoption of beneficial electrification technologies such as electric vehicles and renewable electric heat pumps. The Company will provide interested parties with a draft of the proposal for comment, and will consider comments from the parties prior to filing the proposal with

the Commission. Any revenue impacts associated with any alternative rate structure will be reconciled within the SC-1 RDM.

### 13.11 Electric Vehicle Statewide Proceeding

Niagara Mohawk commits to support, and would fully participate in, a generic statewide proceeding addressing the development of electric vehicle infrastructure in New York State if the Commission were to institute such a proceeding.

### 14. Earnings Adjustment Mechanisms

Niagara Mohawk's electric and gas EAMs are set forth in Appendix 7.

### 15. Miscellaneous Provisions

### 15.1 Electric Supply Matters

### 15.1.1 Avoided Capacity and Ancillary Service Costs

The Company will calculate an estimate of avoided ancillary service costs for legacy contracts and avoided ancillary service and capacity costs for SC-6 contracts, and credit such avoided costs through the LTC. An illustrative example of the allocation of avoided capacity and ancillary service costs is set forth in Appendix 2, Schedule 12.

### 15.1.2 NYISO Weather Normalizing Adjustment

For the purpose of calculating Installed Capacity Tags, the Company will allocate the New York Independent System Operator ("NYISO") weather normalizing adjustment to determine peak factor to reflect that some service classes are more weather-sensitive than others. An example of this methodology is included in Appendix 2, Schedule 13.

### 15.1.3 Electricity Supply Reconciliation Mechanism

The Company will file with the Commission a study that evaluates alternative methods for calculating the ESRM for mandatory hourly-priced customers. The study will include an evaluation of the possibility of reconciling capacity charges for hourly-priced customers separately. The Company will provide Staff, OGS, and other interested parties a draft of the study for comment, and will consider comments from OGS and other parties prior to filing the study with the Commission. The Company will file the study, along with proposals and tariff amendments, if any, within six months after the order setting rates is issued in these proceedings. Any potential change must be cost neutral to the Company.

### 15.2 Gas Supply Matters

# 15.2.1 Long-Term Capacity Planning Changes for East Gate and West Gate

Niagara Mohawk will segregate its planning for the needs of the East Gate and West Gate service areas to provide transparency between demand forecast and capacity planning needs for both gates. Albany, New York weather data will be used for the East Gate, and Syracuse, New York weather data will be used for the West Gate.

# 15.2.2 Delivery Nomination Procedures for East Gate Constraint

To address capacity constraints on the East Gate, beginning in the winter of CY 2018/19, Niagara Mohawk will establish transporter nomination procedures for all transport customers served in the East Gate region during times of capacity constraint on the East Gate. These nomination procedures will require that a percentage of each East

Gate transportation customer's nominations be delivered to the Company's system on Tennessee Gas Pipeline ("TGP") when forecast temperatures are at or below designated temperature triggers. The TGP delivery percentage and temperature trigger will be set forth in the Company's GTOP manual and will be reviewed annually and revised, as necessary. Niagara Mohawk may enter into individually-negotiated contracts with customers that may provide alternative means for addressing capacity issues on the East Gate. These contracts would not necessarily require customers to nominate deliveries on TGP, provided that they reasonably address the capacity constraint. Additional details are provided in Appendix 11.

Prior to March 1, 2018, the Company will provide affected transportation customers with details on the Company's proposal to implement the new transporter nomination procedures. Interested parties will have the opportunity to provide comments and feedback on the Company's proposal, and the Company will consider that feedback in developing the final implementation plan. These procedures will be discussed in the ESCO collaborative meetings described in Section 15.3.1.

## 15.2.3 New Gas Cost Mechanism for SC-8 D-1 Sales Service

To eliminate arbitrage opportunities with SC-8 D1 Standby Sales Elections, the Company will establish a set of D1 election guidelines, to be effective beginning in the winter of 2018/2019, intended to discourage the purchase of standby gas supplies when not required to meet the gas supply requirements of D1 customers (*e.g.*, D1 elections that are resold in the market). D1 elections determined to have violated the D1 election

guidelines will be billed at the Company's highest daily incremental cost of gas.

Additional details on the D1 election guidelines are provided in Appendix 12.

### 15.3 ESCO Gas Matters

### 15.3.1 Retail Choice Program Capacity Modifications

Commencing in the winter of CY 2018/19, Niagara Mohawk will establish a capacity release program to release to gas marketers/ESCOs a pro-rata share of all of the Company's gas supply assets (*i.e.*, provide a "slice of the system"). Allocation of the Company's capacity will be adjusted among ESCOs to meet East Gate and West Gate customer supply needs. Niagara Mohawk will release or assign to each ESCO its prorata share of each of the Company's pipeline and storage assets (regardless of whether the ESCO's customers are located in the east or west). The Company will also allocate a portion of its city gate peaking supplies to ESCOs to be managed by the Company, and provided to ESCOs, as needed. The details of the capacity release program will be described in the Company's GTOP manual.

For Dominion Transmission's City Gate Swing Customer program to work with the Company's new slice of the system approach to capacity releases, ESCO deliveries on pipelines other than Dominion Transmission will be considered "first through the meter." The remaining deliveries will be allocated to, and balanced on, Dominion Transmission.

Prior to March 1, 2018, the Company will provide ESCOs with details on the Company's proposal to implement the expanded capacity release program. ESCOs and other interested parties will have the opportunity to provide comments and feedback on the Company's proposal, and the Company will consider that feedback in developing the

final implementation plan. Within 60 days of the Effective Date, the Company will hold a special technical meeting to coordinate with ESCOs and other interested parties on the final implementation plan. Following implementation of the capacity release program, the Company will address any ESCO issues resulting from the new program at the Company's annual winter supply meeting (to take place no later than April 15, 2019). To the extent necessary, an additional collaborative session facilitated by the Company and Staff will be held to discuss the capacity release programs and address any implementation issues. If the parties cannot resolve any issues in the collaborative after consultation with Staff, the parties retain the right to petition the Commission for resolution

# 15.3.2 Allocation of the Proceeds of Asset Management Agreements

Consistent with current practice, Asset Management Agreement ("AMA") credits derived from upstream transportation and storage assets used to serve sales customers only will be allocated solely to those sales customers. Any credits derived from assets serving both core sales and core transportation customers, such as storage services and peaking services (reliability assets) that are not released under the retail choice program, will be shared by sales customers and transportation customers' ESCOs equally on a volumetric basis calculated using distribution volumes. The amount of revenues/credits provided to ESCOs will be equivalent to the ESCO customers' proportionate responsibility for the costs of the upstream storage services provided by the Company that are the subject of the AMAs that result in the revenues/credits. This excludes sharing

of credits for assets that are retained solely to serve sales customers after ESCOs have received their "slice of the system" share of the Company's assets.

#### 15.4 AMI

Niagara Mohawk will convene a collaborative with Staff and interested parties to refine and update its AMI business plan. The collaborative will provide the parties with an opportunity to review and provide input on the Company's plan to implement AMI across its service territory. As set forth below, the schedule includes large group meetings, with the possibility of smaller working group meetings, with the goal of presenting to the Commission a report with a revised AMI business plan, no later than October 1, 2018, for Commission review and action.

a. By April 30, 2018, the Company will hold an initial large group meeting with Staff and interested parties. At the initial meeting, the Company will make a technical presentation about its AMI business plan, review its BCA, as set forth in the rebuttal testimony of the Company's AMI Panel and provide the BCA model. Thereafter, the Company and parties will discuss any questions, comments, or requests Staff and the parties would like the Company to address going forward as it works to refine and update its AMI business plan. The discussions, comments, and questions will include, but are not limited to, the proposed AMI meter deployment period; customer engagement plan; real-time data latency; third-party data access; metrics to measure the success of the AMI program; allocation of AMI costs among service classifications; AMI system components; and the level of granularity at which AMI costs can be tracked without increasing costs above a *de minimis* level. Participants also can determine whether there are sub-issues that would benefit from discussion in smaller working

groups that would report their findings to all stakeholders at the subsequent large group meetings.

- b. Between May 15 and August 1, 2018, the Company will refine and update its AMI business plan. As part of this process, the Company will take into consideration the comments and concerns raised by Staff and interested parties. During this time period, the Company will also hold smaller working group meetings, as requested by the participants.
- c. On or about August 1, 2018, the Company will convene a second large group meeting with Staff and interested parties. At this meeting, the Company will provide a technical presentation about its refined and updated AMI business plan and BCA model, responses to the parties' comments, and proposed metrics. The Company will further discuss any questions, comments, or proposed modifications from Staff or interested parties.
- d. By August 15, 2018, Staff and interested parties may submit to the Company written comments and/or proposed modifications to the Company's refined and updated AMI business plan and BCA, responses to the parties' comments, and proposed metrics.
- e. By August 30, 2018, the Company will convene a third large group meeting with Staff and interested parties. At this meeting, the Company will provide new information, if any, on the AMI business plan and BCA, responses to the parties' comments, and proposed metrics, and further discuss any questions, comments, or proposed modifications from Staff or interested parties.

- f. No later than October 1, 2018, the Company will file a report with the Secretary for the proposed implementation of AMI. The report will contain the following elements:
  - A refined and updated AMI business plan, BCA, and customer engagement plan;
  - A metering plan to meet the rate design options as of January 1, 2020 that are envisioned in the Commission's Value of DER proceeding in Case 15-E-0751;
  - A revised AMI deployment schedule with a BCA (using the Societal Cost Test, Utility Cost Test, and Rate Impact Measure) for different meter deployment periods;
  - Metrics to measure the success of the AMI program;
  - Information on expected real-time data latency and third-party data access;
  - The level of granularity at which AMI costs can be tracked without increasing costs above a *de minimis* level;
  - A proposal for cost recovery of AMI and any associated activities associated with implementation of AMI;
  - A proposal to allocate AMI costs among customer service classifications; and
  - A proposal that would enable the Company to meet the rate design options as of January 1, 2020 envisioned in the Commission's Value of DER proceeding in Case 15-E-0751.

g. At the same time that the Company files the report specified in paragraph 15.4.f, the Company will provide interested parties with the BCA model reflected in the report.

The Signatory Parties recognize that the Company's report would then be subject to consideration by the Commission, and all interested parties will have an opportunity to participate in any process provided for prior to Commission action on the AMI report and proposals contained therein. Interested parties may also challenge any recommendation to proceed with AMI via the procedures set forth in the Commission's Rules and Regulations. The Signatory Parties acknowledge and agree that the Commission will make a final determination on whether and how to implement AMI in the Company's service territory.

# 15.5 Corporate Structure, Affiliate Rules, and Miscellaneous Corporate Provisions

Niagara Mohawk's Corporate Structure, Affiliate Rules, and Miscellaneous Corporation Provisions have been updated and are included in Appendix 16.

### 15.6 Recognition of Policy Proceedings

The Commission conducts proceedings associated with statewide policy objectives that may impact the Company during the term of the Rate Plan (*e.g.*, the Value of DER proceeding in Case 15-E-0751, the REV proceeding in Case 14-M-0101, and the energy efficiency programs proceeding in Case 15-M-0252). Nothing in this Joint Proposal limits the Commission's ability to require the Company to implement changes or take certain action pursuant to these or other policy proceedings that may necessitate cost recovery of incremental costs or changes in rate design during the term of the Rate

Plan. Additionally, the Company may petition the Commission for approval of programs that will create savings or add value, and associated shared savings mechanisms during the term of this rate plan.

### 15.7 Clifton Park REV Demonstration Project

The Company will work with UIU to analyze available data from the Clifton Park REV Demonstration Project to inform the REV Track Two rate design working group.

### 15.8 2000 New York State Income Tax Change

Niagara Mohawk agrees to amortize and credit to customers over ten years approximately \$30.9 million associated with the 2000 New York State income tax change and the related amortization of the Statement of Financial Accounting Standards 109 regulatory liability for federal income tax and state income tax expense. This agreement fully and finally resolves, with prejudice, all matters related to this issue. An illustration of the amortization and credit is included in Appendix 1, Schedules 1 and 2.

## 15.9 Filing for New Base Delivery Rates During the Term of the Rate Plan

Niagara Mohawk agrees not to file for new base delivery rates to be effective prior to April 1, 2021. The following exceptions will apply:

a. The Company may petition the Commission to implement changes to its base rates as may be required or warranted by newly-enacted legislation or regulations and nothing in this Joint Proposal shall prohibit Niagara Mohawk from implementing changes to rates or charges, in a manner to be determined by the Commission, as may be required by newly enacted legislation or regulations;

- b. The Company may petition the Commission for deferral of extraordinary expenses not addressed by this Joint Proposal;
- c. The Company may petition the Commission for approval of new services and/or discrete incentives;
- d. The Company may petition the Commission for changes to rate design or revenue allocation that are revenue neutral including, but not limited to, the implementation of new service classifications and/or elimination of existing service classifications. Such petitions must demonstrate that the proposed changes are consistent with the overall rate design and revenue allocation provided for in this Joint Proposal;
- e. The Company may petition the Commission for minor changes in base rates, provided the effect is *de minimis* or is essentially offset by associated changes in other base rates, statements, terms, or conditions of service; and
- f. The Company may file tariff amendments to implement changes as described in this Joint Proposal.

Any party may take any position on any filing made by the Company pursuant to this section.

Notwithstanding the foregoing, nothing in this Joint Proposal shall prohibit the Commission (upon its own motion or upon motion of an interested party) from exercising its ongoing statutory authority to act on the level of the Company's rates in the event of unforeseen circumstances that, in the Commission's judgment, have such a substantial impact on the rate of return as to render the return on common equity unreasonable, unnecessary, or inadequate for the provision of safe and adequate service.

### 16. Other Provisions

### 16.1 Submission to the Commission

The Signatory Parties agree to request that the Commission adopt the terms of this Joint Proposal without modification. The Signatory Parties intend that this Joint Proposal will be adopted by the Commission as being in the public interest and agree individually to advocate its adoption by the Commission in its entirety and to act so as to expedite that result.

### 16.2 Conditioned on Commission Adoption/ No Severability

The Signatory Parties intend this Joint Proposal to be a complete resolution of all issues in these proceedings. It is understood that each provision of this Joint Proposal is in consideration and support of all the other provisions, and expressly conditioned upon acceptance by the Commission. Except as set forth herein, none of the Signatory Parties is deemed to have approved, agreed to, or consented to any principle, methodology, or interpretation of law underlying or supposed to underlie any provision herein. If the Commission fails to adopt this Joint Proposal according to its terms, then the Signatory Parties to the Joint Proposal will be free to pursue their respective positions in this proceeding without prejudice.

### 16.3 Application of Agreement/No Precedent

Except as otherwise stated in this Joint Proposal, the provisions of the Joint Proposal apply solely to and are binding only in the context of this Joint Proposal and this proceeding. None of the terms of this Joint Proposal and none of the positions taken by any Signatory Party with respect to this Joint Proposal may be referred to, cited by, or

relied upon by anyone in any manner as precedent or otherwise in any other proceeding before the Commission or any other regulatory body or before any court of law for any purpose other than the adoption, implementation, furtherance, or extension of this Joint Proposal. Concessions made by any Signatory Party on any issue do not preclude that party from addressing such issues in future rate proceedings or in other proceedings.

### **16.4** Future Actions/ Dispute Resolution

The Signatory Parties recognize that certain provisions of this Joint Proposal contemplate actions to be taken in the future and agree to cooperate with each other in good faith in taking such actions.

In the event of any disagreement over the interpretation of this Joint Proposal that cannot be resolved informally among the Signatory Parties, the party claiming a dispute will serve a Notice of Dispute on the remaining parties, briefly identifying the provision or provisions of this Joint Proposal under dispute and the nature of the dispute, and convening a conference in a good faith attempt to resolve the dispute. If any such efforts are not successful in resolving the dispute among the Signatory Parties, the matter will be submitted to the Commission for resolution.

### 16.5 Continuation

Except as set forth herein, following the expiration of the term of the Rate Plan, all provisions of this Joint Proposal (except for (i) the application of deferral credits to offset the revenue requirements, (ii) the downward-only tracking mechanisms for IS, GBE, and electric and gas net utility plant and depreciation expenses set forth in Sections 8.2, 10.1.14, and 10.1.21, respectively, and (iii) the provisions governing the sale of street

lighting facilities during the term of this Joint Proposal set forth in Section 9.3) will continue until changed by order of the Commission. Except as expressly provided otherwise, any targets, goals, deferral thresholds, or other similar items set forth in this Joint Proposal for Rate Year Three will continue beyond Rate Year Three until modified by the Commission.

### 16.6 Extension

Nothing in this Joint Proposal will be construed as precluding the active parties from convening additional conferences and from reaching agreement to extend this Joint Proposal on mutually-acceptable terms and from presenting an agreement concerning such extension to the Commission for its approval.

### 16.7 Entire Agreement

This Joint Proposal sets forth the entire agreement of the Signatory Parties and supersedes any prior or contemporaneous written documents or oral understandings among the Signatory Parties concerning the matters addressed herein. In the event of any conflict between this Joint Proposal and any other document addressing the same subject matter, this Joint Proposal will control.

### 16.8 Counterparts

This Joint Proposal is being executed in counterpart originals and will be binding on each Signatory Party when the counterparts have been executed.

### **Signature Pages Follow**

Niagara Mohawk Power Corporation d/b/a National Grid has this day signed and executed this Joint Proposal.

By:

Philip A. DeCicco

Acting Vice President and Deputy General Counsel

Date: DECEMBEL 21, 2017

New York State Department of Public Service Staff has this day signed and executed this Joint Proposal.

By: Brandon F. Goodrich Staff Counsel

January 19, 2018

## Cases 17-E-0238, 17-G-0239, 14-M-0042, and 12-G-0202

Multiple Intervenors has this day signed and executed this Joint Proposal.

By:

Michael B. Magur Michael Mager, Partner

Couch White, LLP

Counsel for Multiple Intervenors

Date: December 21, 2017

Pace Energy and Climate Center has this day signed and executed this Joint Proposal.

Bv:

Radina Valova

Senior Staff Attorney

Pace Energy and Climate Center

Date: December 27, 2017

The Environmental Defense Fund has this day signed and executed this Joint Proposal.

By:

Martin C. Rothfelder Rothfelder Stern, L.L.C.

Matin C. Roth felder

Counsel for Environmental Defense Fund

Date: December 22, 2017

International Brotherhood of Electrical Workers, Local Union 97 has this day signed and executed this Joint Proposal.

By

Richard Koda, Principal

Koda Consulting, Inc.

Counsel for International Brotherhood of Electrical Workers, Local Union 97

Date: Openfur 22, 2017

New York Geothermal Energy Organization, Inc. has this day signed and executed this Joint Proposal.

By: Bill Nowsk

Executive Director

Date: \_\_December 22, 2017\_\_\_\_\_

Tesla, Inc. has this day signed and executed this Joint Proposal.

By:

Kevin Auerbacher Senior Counsel

Date:

12/21/2017

The City of Buffalo has this day signed and executed this Joint Proposal.

By:

Steven J. Stepniak, Commissioner City of Buffalo, Department of Public Works, Parks and Streets

Date:

12/27/17

## Cases 17-E-0238, 17-G-0239, 14-M-0042, and 12-G-0202

The City of Albany has this day signed and executed this Joint Proposal.

By: Cluster

Christopher Spencer

Commissioner of Planning & Development

Date: December 22, 2017

## Cases 17-E-0238, 17-G-0239, 14-M-0042, and 12-G-0202

The City of Syracuse has this day signed and executed this Joint Proposal.

By:

Abigail Hind

**Assistant Corporation Counsel** 

Date:

12/22/17

ChargePoint, Inc. has this day signed and executed this Joint Proposal.

By:

Kevin George Miller Director, Public Policy

Date: January 17, 2018

### Cases 17-E-0238, 17-G-0239, 14-M-0042, and 12-G-0202

Great Eastern Energy has this day signed and executed this Joint Proposal.

By:

Michael Bauer

Director of Regulatory Affairs

Date:

.

Mirabito Natural Gas has this day signed and executed this Joint Proposal.

Зу:

Vice President

Date: <u>12-22-17</u>

### Cases 17-E-0238, 17-G-0239, 14-M-0042, and 12-G-0202

Blue Rock Energy, Inc. has this day signed and executed this Joint Proposal.

By:

Jim Cifaratta

Senior Vice President BlueRock Energy, Inc.

Date:

12-22-17

Cases 17-E-0238, 17-G-0239, 14-M-0042, and 12-G-0202

Direct Energy has this day signed and executed this Joint Proposal.

By: Angela Schorr

Manager, Government and Regulatory Affairs

Date: 1/4/18

New York State Office of General Services has this day signed and executed this Joint Proposal.

By:

Konstantin Podolny

Read and Laniado, LLP

Outside Counsel for the New York State Office of General Services

Date: 12/22/2017

Wal-Mart Stores East, LP and Sam's East, Inc. has this day signed and executed this Joint Proposal.

By:

Barry Naum

Spilman Thomas & Battle, PLLC

Counsel for Wal-Mart Stores East, LP and Sam's East, Inc.

Date: 22 VECEMBER 2017

New York Power Authority has this day signed and executed this Joint Proposal.

By:

Joseph Rende Director – Customer Business Development

# APPENDIX 1

oration d/b/a National Grid

Case 17-E-0238 17-G-0239
Appendix 1
Schedule 1
Page 1 of 37

Niagara Mohawk Power Corporation db/a National Grid PSC Case 17-E-0238 & 17-G-0239 Electric - Statement of Operating Income For the Rate Year Ending March 31, 2019

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	C&	C&U Filing						Joint Proposal	Base I	Base Revenue	Rate Yea March	Rate Year Ending March 31, 2019
	Rate Marc	Rate Year Ending March 31, 2019	Adj.#	Staff Adjustments	ts	Settlement Adjustments	nent nents	Rate Year Ending March 31, 2019	Inc	Increase Required	with Bas Requi	with Base Revenue Requirement
Operating Revenues	↔	2,527,118	£	\$ (37	(37,550) \$		(14,655)	\$ 2,474,913	3	159,974	€	2,634,887
Deductions												
Purchased Power Costs		626,119	(2)	18	18,093		(18,093)	626,119	6			626,119
Revenue Taxes		32,289	(3)		(662)		662	32,289	6	2,087		34,376
Total Deductions		658,408	ı	/1	1,431		(17,431)	658,40	     	7,087		660,495
Gross Margin		1,868,710	ļ	(54	(54,981)		2,776	1,816,505	5	157,887		1,974,392
Total Operation & Maintenance Expenses		1,154,934	(4)	(51	(51,096)		10,778	1,114,616	9	2,533		1,117,149
Amortization of Regulatory Deferrals		2,482						2,482	2			2,482
Depreciation, Amort. & Loss on Disposition		248,992	(5)	(26	(26,195)		8,858	231,655	5	1		231,655
Taxes Other Than Revenue & Income Taxes		203,587	(9)		(788)		764	203,563	3	1		203,563
Total Operating Revenue Deductions		1,609,995	ı	(78	(78,079)		20,400	1,552,317	7	2,533		1,554,850
Operating Income Before Income Taxes		258,715	I	23	23,098		(17,624)	264,189	6	155,354		419,543
Income Taxes Federal Income Taxes State Income Taxes		47,391	6 8	∞ 10	8,495		(26,620)	29,266	9 0	30,504		59,770
Total Income Taxes		52,348	 	13	13,689		(30,621)	35,416	9	40,602		76,018
Operating Income After Income Taxes	<b>↔</b>	206,367	•	6	9,409 \$		12,996	\$ 228,773	e	114,752	<b>↔</b>	343,525
Rate Base	<b>↔</b>	5,207,221	6	68) \$	(86,598)		143,105	\$ 5,260,727	_		<del>∽</del>	5,260,727
Rate of Return		3.96%						4.35%	%			6.53%

## Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Electric - Summary of O&M Expenses For the Rate Year Ending March 31, 2019 (\$000's)

	Rate	&U Filing Year Ending rch 31, 2019	Adj. #	Staff Adjustments	Rate	djusted by Staff e Year Ending arch 31, 2019	Settlement Adjustments	Rate Year int Proposal
ation & Maintenance Expenses:								
Departmental Items:								
Consultants	\$	19,830	(4a)	(759)	\$	19,071	336	\$ 19,40
Contractors		82,982	(4t)	-		82,982	(545)	82,43
Donations		-		-		-	-	-
Employee Expenses		7,610		-		7,610	-	7,61
Hardware		372		-		372	-	37
Software		12,381		-		12,381	-	12,38
Other		21,570	(4b)	(1,762)		19,808	1,022	20,83
Rents		19,988		0		19,988	-	19,9
Service Company Rents		41,226	(4c)	(7,580)		33,646	2,414	36,00
Construction Reimbursement		416	` '	-		416	· -	4
FAS 106		16,750	(4d)	(68)		16,683	_	16,6
FAS 112		369	(4e)	(5)		364	4	3
Health Care		34,635	(4f)	(158)		34,476		34,4
Group Life Insurance		1,402	(4g)	(5)		1,397		1,3
Other Benefits		225	(45)	(3)		225		2
Pensions		32,573	(4h)	(74)		32,498		32,4
Thrift Plan		8,295	(4i)	(161)		8,134	126	8,2
Workers Comp		3,390	(4j)	(20)		3,370	120	3,3
Materials Outside Vendor		9,009	(4)	(20)		9,009		9,0
Materials Guiside Vendor		5,699	(4k)	(989)		4,710	247	4,9
Materials Stores Handling		1,155	(4K)	(909)		1,155	247	1,1
Postage		8,685		-		8,685	-	8,6
Total Labor		271,550	(41)	(2,835)		268,715	535	269,2
						21,966	567	209,2
Transportation		22,538	(4m)	(572)			307	
Energy Efficiency program		51,458		-		51,458	_	51,4
Clean Energy Fund		161,715		-		161,715	-	161,7
Injuries and Damages		11,235	74.5	(2.4.505)		11,235		11,2
Other Initiatives		81,423	(4n)	(24,707)		56,716	5,439	62,1
Productivity Adjustment		(6,338)	(4o)	(3,087)		(9,424)	3,117	(6,3
Rate Case Expense		493		-		493	-	4
Regulatory Assessment Fees		10,687		-		10,687	-	10,6
Uncollectible Accounts		36,302	(4p)	(595)		35,707	(220)	35,4
SIR		27,321				27,321	-	27,3
Vegetation Management		64,974	(4q)	(4,450)		60,524	1,320	61,8
Savings		(4,319)	(4s)	-		(4,319)	(6,853)	(11,1
Legal		2,835		-		2,835	-	2,8
Accounting		2,014		-		2,014	-	2,0
Conservation Load Management		1,889		-		1,889	-	1,8
Storm Fund		23,000	(4r)	(3,267)		19,733	3,267	23,0
Economic Development Program		11,000		-		11,000	-	11,0
Low Income Progr: Inventive Programs Incentive Programs		56,594 -		-		56,594 0	-	56,5
Sub Total - Departmental	\$	1,154,934		\$ (51,096)	\$	1,103,838	\$ 10,778	\$ 1,114,6
TOTAL	\$	1,154,934		\$ (51,096)	\$	1,103,838	\$ 10,778	\$ 1,114,6

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Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239

Electric - Federal Income Taxes

NET INCOME BEFORE FEDERAL & STATE INCOME TAXES

For the Rate Year Ending March 31, 2019 (Whole Dollars)

	Federal			Book	@ the			Net FIT
	Taxable	Deferrable		Taxable	Statutory	DFIT		Before
	Income	Basis		Income	Rate	Reversals		Rev Red
↔	264,188,552		↔	264,188,552	\$ 55,480,000		↔	55,480,000
	(115,209,927)			(115,209,927)	(24,194,000)			(24,194,000)
	(6,149,869)			(6,149,869)	(1,291,000)			(1,291,000)
	(43,846,193)			(43,846,193)	(9,208,000)			(9,208,000)
	42,649,194			42,649,194	8,956,000			8,956,000
	•			,	•			,
	•			•	•			•
	318,294			318,294	67,000			67,000
				,	•			•
	•			i	1			'
	•			i	1			'
	•			•	•			•
	(2,592,689)			(2,592,689)	(544,000)	•		(544,000)
9	120 257 267 @	Ð	÷	120 257 267	* 00099000 \$	Đ	÷	- 2000

Tax Only Item - Rate Change Tax Only Item - State Year 2000 - (Note 1) Tax Only Item - 3

FOTAL FIT EXPENSE

GAIN ON REDEMPTION BONDS

Other - 3 Other-2

Meals and Entertainment

Flow-through Unamortized Debt Flow-through Bond Redemption

Flow-through Cost of Removal New York State Income Taxes

Flow-through Depreciation

Niagara Mohawk Power Corporation d'b⁄a National Grid PSC Case 17-E-0238 & 17-G-0239 Electric - State Income Taxes For the Rate Year Ending March 31, 2019 (Whole Dollars)

NET INCOME BEFORE FEDERAL & STATE INCOME TAXES

				State - Electric	ctric			
	State			Book	@ the		ž	Net SIT
	Taxable	Deferrable		Taxable	Statutory	DSIT	В	Before
	Income	Basis		Income	Rate	Reversals	Re	Rev Red
↔	264,188,552		↔	264,188,552	\$ 17,172,000		\$ 17	17,172,000
	(115,209,927)			(115,209,927)	(7,489,000)		C	(7,489,000)
	1,720,181			1,720,181	112,000			112,000
	1							
								•
	318,294			318,294	21,000			21,000
	,							•
	,			•	,			•
								٠
	,			,		(1,073,442)	⊃	(1,073,442)
	•			,	•	(2,592,689)	S	(2,592,689)
				•				٠

151,017,100

\$ 151,017,100 \$ 9,816,000 \$ (3,666,131) \$ 6,149,869

Amortized over 10 years = \$2.593M electric per year and \$0.494M gas per year **Note 1:** \$30.9M = \$25.93M electric and \$4.94M gas

Tax Only Item - Rate Change Tax Only Item - State Year 2000 - (Note 1) Tax Only Item - 3

FOTAL SIT EXPENSE

GAIN ON REDEMPTION BONDS

Other-2

Meals and Entertainment

Flow-through Unamortized Debt Flow-through Bond Redemption

Flow-through Depreciation

Flow-through Cost of Removal

Case 17-E-0238 17-G-0239
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Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Summary of Rate Base
For the Rate Year Ending March 31, 2019
(\$000\$s)

	C& Rate Y Marcl	C&U Filing Rate Year Ending March 31, 2019	Adj.#	Staff Adjustments	As Adj Rate Mar	As Adjusted by Staff Rate Year Ending March 31, 2019	Se Adj	Settlement Adjustments	R	Rate Year Joint Proposal
Net Utility Plant	€	6,982,862	(9a)	(83,866)	€	6,898,996		70,691	<del>⊗</del>	6,969,687
Regulatory Assets / Liabilities		(86,082)	(96)	302		(85,780)		ı		(85,780)
Accumulated Deferred Income Taxes - Federal		(1,619,827) (9c)	(96)	1,870		(1,617,957)		54,164		(1,563,793)
Accumulated Deferred Income Taxes - State		(229,371)	(p6)	(1,591)		(230,962)		10,441		(220,522)
Working Capital Materials and supplies Prepayments O&M Cash Allowance (1/8 O&M exp) Supply Cash Allowance (Dec 16 lead/lag study) Change in Supply Cash Allowance (6.72 % x RY PP exp) subtotal Working Capital subtotal avg. before EBCAP adj.  Excess Earnings Base adjustment	a a	40,431 (10,310) 113,182 48,562 (4,078) 187,787 5,235,368	(6e)	(6,313) (6,313)		40,431 (10,310) 106,869 48,562 (4,078) 181,474 5,145,770		7,808		40,431 (10,310) 114,677 48,562 (4,078) 189,282 5,288,874
Total Rate Base	↔	5,207,221	↔	(89,598)	↔	5,117,623	<del>\$</del>	143,105	↔	5,260,727

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Capital Structure
For the Rate Year Ending March 31, 2019
(\$000's)

Settlement Capital Structure Forecast			
	Total	Weighting	
	Annual Avg	Percent	Cost
Long Term Debt	\$ 2,686,072	51.06%	4.29%
Customer Deposits	25,377	0.48%	0.35%
Preferred Stock	24,129	0.46%	3.66%
Common Equity	2,525,149	48.00%	%00.6
Total	100905	100 00%	
Total	11,001,0	1,00.001	

2.19% 0.00% 0.03% 5.85%

Cost 2.19% 0.00% 0.02% 4.32%

Pre-Tax Weighted Cost

Weighted

8.07%

6.53%

OTHER REVENUE REQUIREMENT INPUTS						
Forecast Rate Year Rates to apply to Rev Req						
Bad Debt % for Rev Req		1.58%	1.58371%	Tax	\$	32,289
GRT rate for Rev Req		1.30%		Revenue	\$	2,474,913
Federal Income Tax rate		21.00%		GRT		1.3046598%
NYS Income Tax rate		6.50%	73.8650%			
Historic Year EBCAP	<del>\$</del>	(20,415)				
General Inflation (from 12/31/16 to 3/31/19)		4.3476%				

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Electric Adjustments for the Rate Year Ending March 31, 2019 (\$000's)

		Staff I		Settlemer Ar	t Adjust	ment	Joint Pr Amo	
Adj. 1 (a) (b) (c) (d) (e) (f)	Operating Revenues To adjust operating revenues to reflect Staff's sales forecast To move energy efficiency costs into base rates To increase CSS reconnection revenue To eliminate Residential Solar Marketplace revenues To eliminate DG interconnection fees Tracking adjustment to late payment charges for increase in revenues	\$ 12,984 (51,458) 1,601 (147) (600) 70	\$ (37,550)	\$ (12,984) - (1,601) - - (70)	\$	(14,655)	(51,458) - (147) (600)	\$ (52,205)
<u>Adj. 2</u>	<u>Purchased Power Costs</u> To reflect Staff's change in sales forecast	18,093	\$ 18,093	(18,093)	\$	(18,093)	-	\$ -
<u>Adj. 3</u>	Revenue Taxes To reflect change in revenue taxes for Staff's sales forecast	(662)	\$ (662)	662	\$	662		\$ 
	Operating and Maintenance Expenses Consultant Expense ) To remove Accenture costs - 50% ) To normalize executive search firm costs	(672) (87)	\$ (759)	336	\$	336	(336) (87)	\$ (423)
(2	Other ) To remove Grid Iron Café charges ) To remove sales commissions/rounding adjustments ) To remove Whiteman, Osterman & Hanna LLP charges	(63) (218) (1,481)	\$ (1,762)	63 218 742	\$	1,022	- - (740)	\$ (740)
(2 (3 (4 (5	Service Company Rents ) To disallow enhanced bill design initiative ) To impute NMPC rate of return / To impute Company's 9.0% ROE ) To impute a slippage adjustment / To impute Company's IS Forecast Spend Reduction ) To remove AMI from rate year ) To remove distribution projects from the rate year ) Flow through impact of Tax Law Change	(15) (1,044) (5,175) - (1,346)	\$ (7,580)	470 1,014 - 1,346 (416)	\$	2,414	(15) (574) (4,161) - - (416)	\$ (5,166)
	FAS 106 ) To reflect the proper capitalization rate for fringe benefits ) To delay implementation of FAS175	(68)	\$ (68)	- -	\$		(68)	\$ (68)
(e)	FAS 112 To reflect the proper capitalization rate for fringe benefits	(5)	\$ (5)	4	\$	4	(1)	\$ (1)
(f)	Healthcare To reflect the proper capitalization rate for fringe benefits	(158)	\$ (158)		\$		(158)	\$ (158)
(g)	Group Life Insurance To reflect the proper capitalization rate for fringe benefits	(5)	\$ (5)		\$	-	(5)	\$ (5)
	Pension ) To reflect the proper capitalization rate for fringe benefits ) To delay implementation of FAS175	(74)	\$ (74)	-	\$		(74)	\$ (74)
	Thrift Plan ) To reflect the proper capitalization rate for fringe benefits ) To remove inflation from the Local 97 and 97C component of thrift plan	(35) (126)	\$ (161)	126	\$	126	(35)	\$ (35)
(j)	Workers Comp To reflect the proper capitalization rate for fringe benefits	(20)	\$ (20)		\$	-	(20)	\$ (20)
(k)	Materials From Inventory To reflect normalization of vendor charges	(989)	\$ (989)	247	\$	247	(742)	\$ (742)
(2	Labor Expense ) To remove variable pay from miscellaneous pay ) To remove variable pay from sales commission employees ) To normalize historic test year miscellaneous pay ) To limit management pay increases to 3% per year	(1,837) (151) (103) (744)	\$ (2,835)	535	\$	535	(1,837) (151) (103) (209)	\$ (2,300)
	Transportation ) To remove the Service Company back billing pertaining to CY15 from the HTY ) To reflect Staff's auction proceeds	(253) (319)	\$ (572)	248 319	\$	567	(5)	\$ (5)

### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Electric Adjustments for the Rate Year Ending March 31, 2019 (\$000's)

		(\$000 s)					
		Staff Direct Amount	Settlement Ad Amoun			roposal ount	
(n)	Other Initiatives						
	To remove 6 FTE from EIOP Succession Planning	(67)	14		(52)		
	To remove 1 FTE from SSP Energy Affordability Program	(85)	0		(85)		
	To remove 2 FTEs from ECP DSP Functions     To update opex rate and NMPC allocation per DPS-505 & DPS-664	(226)	0		(226)		
	5) To reduce salaries for entry-level positions	(364) (103)	3		(362) (103)		
	To reflect slippage in hiring incremental FTEs	(721)	(0)		(721)		
	7) To adjust productivity adjustment from 1.0% to 1.5%	(23)	23		(721)		
	8) To reflect updated Capex forecast for Opex associated with Capex	(2,134)	72		(2,062)		
	9) To reflect update of latest known data for Opex associated with Capex	(3,181)	176		(3,005)		
	To disallow the incremental customer outreach and education budget	(664)	-		(664)		
	To disallow enhanced bill design initiative	(398)	-		(398)		
	<ol><li>To reduce OPEX and RTB related to enhanced bill design initiative</li></ol>	(52)	-		(52)		
	3) To reduce OPEX and RTB related to AMI	(3,628)	-		(3,628)		
	4) To reduce OPEX and RTB related to distribution projects	(3,605)	(0)		(3,605)		
	5) To impute an IS slippage adjustment for RTB	(1,927)	639		(1,288)		
	<ol> <li>To impute slippage on GBE and Grid Mod. OPEX</li> <li>To impute a reduction to IS OPEX based on a % of allowed IS Capex</li> </ol>	(3,710) (3,550)	159 900		(3,551) (2,650)		
	8) To reduce future management audit costs due to amortization of costs instead	(269)	900		(269)		
	9) To add 3rd party transaction fees	(209)	1,120		1,120		
	0) To add Customer products	-	2,000		2,000		
	1) Adjust Opex assoc w/ Capex (inflation)	-	6		6		
	2) Adjust inflation on EIOP Opex	-	(10)		(10)		
	3) Adjust inflation on IS	\$ (24	<u>\$,707)</u> 338 <u>\$</u>	5,439	338	\$	(19,267)
(o)	Productivity						
	<ol> <li>Flow-through adjustments tracking labor and payroll tax adjustments</li> </ol>	38	(7)		31		
(	<ol><li>To adjust productivity adjustment from 1.0% to 1.5%</li></ol>	(3,124) \$ (3	3,124 \$	3,117		\$	31
			_				
(p)	Uncollectibles						
	Flow-through adjustment tracking revenue adjustments	(595) \$	(595) (220) \$	(220)	(815)	\$	(815)
(q)	Vegetation Management	(4.450) 6 (4	1220 6	1 220	(2.120)		(2.120)
	To reduce transmission right-of-way vegetation management	(4,450) \$ (4	,450) 1,320 \$	1,320	(3,130)	\$	(3,130)
()	M' N De II IN C						
(r)	Major Non-Deferrable and Minor Storms  To normalize historic test year major non-deferrable and minor storm costs	(2.267) \$ (2	3 267	2 267		e	
	To normalize historic test year major non-deterrable and minor storm costs	(3,267) \$ (3	3,267 \$	3,267		3	
(s)	Savings						
	1) Additional Savings		(8,368)		(8,368)		
	2) Flow through impact of Tax Law Change	- 8	- 1,515 \$	(6,853)	1,515	s	(6,853)
(.	2) To the diagnin pack of Tax 22th Change			(0,023)	1,515		(0,055)
(t)	Contractors						
	Minor storms adjustment	- \$	- (545) \$	(545)	(545)	\$	(545)
		-		10.880			(10.015)
	Total Operating & Maintenance Expense Adjustments	\$ (51	,096) \$	10,778		2	(40,317)
Adj. 5	Depreciation Expense						
(a)	To reflect changes in depreciation rate and capex flow through effect	(20,783)	3,446		(17,337)		
(b)	To reflect amortization of book reserve surplus	(5,412) \$ (26	5,195) 5,412 \$	8,858		\$	(17,337)
		· · · · · · · · · · · · · · · · · · ·					
<u>Adj. 6</u>	Taxes Other Than Revenue & Income Taxes						
(a)	Real Estate Taxes	(200)		***			
	To reflect reduction to incremental additions to plant in service	(398) \$	(398) 398 \$	398		\$	
4.5	G . I.P. II.						
(b)	Special Franchise To reflect reduction to incremental additions to plant in continu	(346) \$	(346) 346 \$	216		e	
	To reflect reduction to incremental additions to plant in service	(346) \$	(346) 346 \$	346		3	
(c)	Payroll Taxes						
(0)	Flow-through adjustments tracking labor adjustments	(44) \$	(44) 20 \$	20	(24)	\$	(24)
	1 Tow-through adjustments tracking labor adjustments	(44)	(44) 20 3	20	(24)	φ	(24)
	Total Taxes Other Than Revenue & Income Taxes	\$	(788)	764		\$	(24)
Adj. 7	Federal Income Taxes						
	Flow-through adjustment relating to state income tax adjustment	1,227 \$ 1	,227 - \$		1,227	\$	1,227
					<u> </u>		
<u>Adj. 8</u>	State Income Taxes			,			
	To adjust tax only item - state year 2000	3,506 \$ 3	5,506 (2,593) \$	(2,593)	914	\$	914
	Total Income Toy Adjustments	-	1.733 S	(2.502)		¢	2 141
	Total Income Tax Adjustments	\$ 4	\$,733	(2,593)		Ф	2,141
Adj. 9	Rate Base						
(a)	Net Utility Plant						
	To adjust Company's plant additions forecast/includes Company's FY '18 adjustment	(4,852)	(9,525)		(14,377)		
	2) To reflect changes in depreciation rate	10,298	(1,775)		8,523		
	3) To write-off the stranded costs for the pre-AMR meters	(84,065)	80,965		(3,100)		
	4) To reduce capitalized pension and OPEB costs	(5,247) \$ (83		70,691	(4,221)	\$	(13,175)
( -							

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### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Electric Adjustments for the Rate Year Ending March 31, 2019 (\$000's)

	Staff I		Settlemer Ar	nt Adjust nounts	ment	Joint Pr Amo	•	
(b) Regulatory Assets / Liabilities								
To reflect amortization of future management audit costs over 5 years	302	\$ 302		\$	-	302	\$	302
(c) Accumulated Deferred Income Taxes - Federal								
<ol> <li>Flow-through adjustment related to capital pension and OPEB costs</li> </ol>	1,149		-			1,149		
<ol><li>To adjust ADFIT tracking OEGWs plant in service adjustments at a rate of 25%,</li></ol>								
per company, allocated between ADFIT and ADSIT	741		(155)			585		
(3) To adjust ADFIT to reflect amort. of future management audit costs over 5 years	(20)		-			(20)		
(4) Flow-through adjustment related to State Year 2000 adjustment	-		-			-		
(5) Impact of Tax Law Change		\$ 1,870	54,319	\$	54,164	54,319	\$	56,034
(d) Accumulated Deferred Income Taxes - State								
(1) Flow-through adjustment related to capital pension and OPEB costs	163		-			163		
<ol><li>To adjust ADSIT tracking OEGWs plant in service adjustments at a rate of 25%,</li></ol>								
per company, allocated between ADFIT and ADSIT	105		9			113		
(3) Adjusting Tax Only Item-State Year 2000	(1,753)		10,432			8,679		
(4) To adjust ADSIT to reflect amort, of future management audit costs over 5 years	(106)	\$ (1,591)		\$	10,441	(106)	\$	8,849
(e) Working Capital								
To adjust working capital to reflect Staff's O&M adjustments	120	\$ 120	7,807	\$	7,807	7,927	\$	7,927
Total Rate Base Adjustments		\$ (83,165)		\$	143,104		\$	59,938

Niagara Mohawk Power Corporation d'b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Electric - Taxes Other Than Income Taxes For the Rate Year Ending March 31, 2019 (\$000's)

(6a) (6b)	C&U Filing         Rate Year As Adjusted       Settlement       Rate Year As Adjusted       Settlement       Rate Year         Taxes Other Than Revenue and Income Taxes       March 31, 2019       Adj. #       Adjustments       By Staff       Adjustments       Joint Proposal
	(6a) (6b)
	Real Estate Taxes\$97.Real Property\$\$Special Franchise\$5.

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Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Summary of Depreciation and Amortization Expense
For the Rate Year Ending March 31, 2019
(\$000\$)

	Cd Rate Mar	C&U Filing Rate Year Ending March 31, 2019	Adj. #	ĀĢ	Staff Adjustments	As Adju Rate Y Marc	As Adjusted by Staff Rate Year Ending March 31, 2019		Settlement Adjustments	Foi	Rate Year Joint Proposal
Depreciation Expense (acct 403)	<del>s</del>	248,992	(5)	<del>\$</del>	(26,195)	<del>\$</del>	222,797	8	8,858	S	231,655
Amortization Expense (acct 404-405)		1			1				1		1
Accretion Expense (acct 411.10)		1			ı		1		1		1
(Gain) Loss on Disposition of Utility Plant (acct 411.7)		1			1		1		ı		ı
Total Depreciation & Amortization Expense	↔	248,992		↔	(26,195)	8	222,797	<b>⇔</b>	8,858	8	231,655

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Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Tax Deduction for Interest Expense
For the Rate Year Ending March 31, 2019
(\$000's)

	Rate Mar	C&U Filing tate Year Ending March 31, 2019	Ad	Staff Adjustments	As A. Rate	As Adjusted by Staff Rate Year Ending March 31, 2019	3, ∢	Settlement Adjustments	Joi	Rate Year Joint Proposal
Avg Rate Base Per Books	€	5,235,368	↔	(89,598)	÷	5,145,770	↔	143,105	↔	5,288,874
Plus: Forecast of Avg Interest Bearing CWIP		1		ı		•		1		1
Less: Rate Base moved to GAC		1		ı				1		1
Less: Excess Earnings Adj (EBCAP)		28,147		ı		28,147		ı		28,147
Rate Base		5,207,221		(86,598)		5,117,623		143,105		5,260,727
Weighted Cost of LTD Debt		2.19%		0.00%		2.19%		0.00%		2.19%
Weighted Cost of Cust Deposits		0.00%		0.00%		0.00%		0.00%		0.00%
subtotal weighted cost of debt		2.19%		0.00%		2.19%		%00.0		2.19%
Total Income Tax Interest Deduction	8	114,038	8	(1,962)	8	112,076	8	3,134	8	115,210

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Description	C& Rate \ Mar	C&U Filing Rate Year Ending March 31, 2019	Adj	Staff Adjustments	As Adj Rate Mar	As Adjusted by Staff Rate Year Ending March 31, 2019	Se	Settlement Adjustments	Jc	Rate Year Joint Proposal
Total O&M Expense	<del>\$</del>	1,154,934	<del>\$</del>	(51,096)	<del>59</del>	1,103,838	<del>\$</del>	10,778	↔	1,114,616
Remove major non-cash items included O&M expense : Bad Debt expense Other (EE & 18A)		(36,302)		595		(35,707)		220		(35,487) (213,173)
Subtotal		(249,475)		595		(248,880)		220		(248,660)
Add major cash items not included in O&M expense: Other Subtotal								51,458		51,458
Total Adjustments		(249,475)		595		(248,880)		51,678		(197,202)
Adjusted O&M Expense	<del>\$</del>	905,459	↔	(50,501)	↔	854,958	<del>∨</del>	62,456	↔	917,414
Departmental Cash Allowance - 1/8 (45 days)		113,182		(6,313)		106,870		7,807		114,677
Supply Cost Cash Allowance (3.64% x HY PP exp)		1				1		1		1

(note: The Supply Cost Allowance is being presented separately, therefore will be removed from the historic Excess Earnings Base Adjustment)

# Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239

## Electric - Comparison of Average Historic Rate Base and Capitalization For the Rate Year Ending March 31, 2019 (\$000's)

			Staff		Settlement	
		TOTAL	Adjustments	TOTAL	Adjustments	TOTAL
(A)	AVERAGE RATE BASE - PER BOOKS	\$ 4,649,266	-	\$ 4,649,266	-	\$ 4,649,266
(B)	ADD: Average interest-bearing					
	CWIP	210,893		210,893		210,893
(C)	TOTAL EARNINGS BASE (A+B)	4,860,159	-	4,860,159		4,860,159
	Percent	100.00%				
(D)	AVERAGE CAPITALIZATION (CE excludes merger	r Goodwill, and may	y be adj for TCI if	required):		
	Long Term Debt	2,269,427		2,269,427		2,269,427
	Notes Payable	4,252		4,252		4,252
	Gas Supplier Refunds	329		329		329
	Customer Deposits	24,391		24,391		24,391
	Preferred Stock	23,666		23,666		23,666
	Common Equity (excludes merger GW; incl TCI adj)	2,700,302		2,700,302		2,700,302
(E)	Avg. Allocated to Elec / Gas based on Earnings Base Add dividends declared but unpaid representing the timing difference	5,022,368		5,022,368		5,022,368
	between declaration and payment					
(F)	SUBTOTAL (D+E)	5,022,368		5,022,368	<del></del>	5,022,368
	LESS Average Investments in:	(111.025)		(111.025)		(111.025)
	Detailed balance sheet accounts	(111,825)	-	(111,825)	-	(111,825)
	Accumulated Def Inc Tax Adjustment	253,619	-	253,619	-	253,619
	Goodwill					
(G)	Total Deductions	141,794		141,794		141,794
(H)	Capitalization Dedicated to Public Service (F-G)	4,880,574		4,880,574		4,880,574
(J)	Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to	.,000,071		.,,000,071		.,500,571
	Service Current Customers) (C-H)	\$ (20,415)		\$ (20,415)		\$ (20,415)

Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239

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Case 17-E-0238 17-G-0239

Electric - Statement of Operating Income For the Rate Year Ending March 31, 2020 (\$000's)

				) (*)	(\$ 000¢)						
	Rate Y March	Rate Year Ending March 31, 2019	Adj.#	Adju	Adjustments	Rate Ye March	Rate Year Ending March 31, 2020	Bas I	Base Revenue Increase Required	Rate Mar with I	Rate Year Ending March 31, 2020 with Base Revenue Requirement
Operating Revenues	↔	2,634,887	(1)	↔	(36,861)	↔	2,598,026	↔	31,014	<del>∽</del>	2,629,040
Deductions Purchased Power Costs Revenue Taxes Total Deductions		626,119 34,376 660,495	(2)		(33,003) (416) (33,419)		593,116 33,960 627,076		405		593,116 34,365 627,481
Gross Margin		1,974,392			(3,442)		1,970,950		30,609		2,001,559
Total Operation & Maintenance Expenses		1,117,149	(4)		(16,169)		1,100,981		491		1,101,472
Amortization of Regulatory Deferrals		2,482			1		2,482		ı		2,482
Depreciation, Amort. & Loss on Disposition		231,655	(5)		11,297		242,952		ı		242,952
Taxes Other Than Revenue & Income Taxes		203,563	(9)		6,578		210,141				210,141
Total Operating Revenue Deductions	ļ	1,554,850			1,706		1,556,556		491		1,557,047
Operating Income Before Income Taxes		419,543			(5,148)		414,394		30,118		444,512
Income Taxes Federal Income Taxes State Income Taxes Total Income Taxes		59,770 16,248 76,018	(8)		(1,942) (642) (2,584)		57,828 15,606 73,434		5,914 1,958 7,872		63,742 17,564 81,306
Operating Income After Income Taxes	€	343,525		↔	(2,564)	€	340,960	↔	22,247	↔	363,206
Rate Base	S	5,260,727	6)	↔	344,313	<del>\$</del>	5,605,040			<del>\$</del>	5,605,040
Rate of Return		6.53%					6.08%				6.48%

## Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Electric - Summary of O&M Expenses For the Rate Year Ending March 31, 2020 (\$000's)

	Rate	int Proposal e Year Ending rch 31, 2019	Adj.#	A	djustments	Rate	int Proposal e Year Ending erch 31, 2020
Operation & Maintenance Expenses:							
Departmental Items:							
Consultants	\$	19,407	(4a)	\$	408	\$	19,815
Contractors		82,437	(4a)		1,731		84,169
Donations		-			-		-
Employee Expenses		7,610	(4a)		160		7,769
Hardware		372	(4a)		8		380
Software		12,381	(4a)		260		12,641
Other		20,830	(4a)		437		21,268
Rents		19,988	(4b)		504		20,492
Service Company Rents		36,060	(4c)		2,010		38,069
Construction Reimbursement		416	(4a)		9		424
FAS 106		16,683	(4d)		(6,451)		10,232
FAS 112		368	(4a)		8		376
Health Care		34,476	(4a)		374		34,851
Group Life Insurance		1,397	(4a)		29		1,426
Other Benefits		225	(4a)		5		229
Pensions		32,498	(4e)		(24,358)		8,140
Thrift Plan		8,260	(4a)		197		8,457
Workers Comp		3,370	(4a)		71		3,441
Materials Outside Vendor		9,009	(4a)		189		9,198
Materials From Inventory		4,957	(4a)		104		5,061
Materials Stores Handling		1,155	(4a)		24		1,179
Postage		8,685	(4a)		182		8,868
Total Labor		269,250	(4f)		7,078		276,327
Transportation		22,533	(4g)		64		22,597
Energy Efficiency program		51,458			-		51,458
Clean Energy Fund		161,715	(4h)		(1,176)		160,538
Injuries and Damages		11,235	(4a)		236		11,471
Other Initiatives		62,155	(4i)		3,605		65,761
Productivity Adjustment		(6,307)	(4j)		(3,702)		(10,009)
Rate Case Expense		493	(4k)		-		493
Regulatory Assessment Fees		10,687	(41)		224		10,912
Uncollectible Accounts		38,020	(4m)		(600)		37,420
SIR		27,321	(4n)		-		27,321
Vegetation Management		61,844	(4o)		2,599		64,443
Savings		(11,172)	(4a)/(4s)		(539)		(11,710)
Legal		2,835	(4a)		60		2,895
Accounting		2,014	(4a)		42		2,057
Conservation Load Management		1,889	(4a)		40		1,929
Storm Fund		23,000	(4p)		-		23,000
Economic Development Program		11,000	(4q)		-		11,000
Low Income Program		56,594	(4r)		-		56,594
Incentive Programs							
Sub Total - Departmental	\$	1,117,149		\$	(16,169)	\$	1,100,981
TOTAL	\$	1,117,149		\$	(16,169)	\$	1,100,981

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Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239

Electric - Federal Income Taxes

For the Rate Year Ending March 31, 2020 (Whole Dollars)

DFIT Rate 87,023,000 67,000 (25,189,000) (3,277,000) (9,208,000) (544,000) 8,956,000 Statutory <u>Income</u> 414,394,319 (15,605,869) (43,846,193) (2,592,689) (119,947,865) 42,649,194 318,294 Book Taxable Deferrable Basis (43,846,193) 42,649,194 <u>Income</u> 414,394,319 (119,947,865) (15,605,869) 318,294 (2,592,689)Federal Taxable NET INCOME BEFORE FEDERAL & STATE INCOME TAXES

67,000

(544,000)

(25,189,000)(3,277,000) (9,208,000)

87,023,000

Net HT Before Rev Reg

8,956,000

Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 21.00%

Tax Only Item

Tax Only Item - State Year 2000 - (Note 1)

Tax Only Item - 3 TOTAL FIT EXPENSE

Tax Only Item - Rate Change

Other - 3

Other -2

GAIN ON REDEMPTION BONDS Flow-through Bond Redemption Flow-through Unamortized Debt

Meals and Entertainment

Flow-through Cost of Removal

Flow-through Depreciation

New York State Income Taxes

Electric - State Income Taxes For the Rate Year Ending March 31, 2020

(Whole Dollars)

	State			Book	@ the			Net SIT
	Taxable	Deferrable		Taxable	Statutory		DSIT	Before
	Income	Basis		Income	Rate	2	Reversals	Rev Red
↔	414,394,319		€>	414,394,319	5 26,936,000		S	26,936,000
	(119,947,865)			(119,947,865)	(7,797,000)			(7,797,000)
	1,720,181			1,720,181	112,000			112,000
	318,294			318,294	21,000			21,000
				•	•			•
				•	•			•
					•			•
					•		(1,073,442)	(1,073,442)
	•			•	•		(2,592,689)	(2,592,689)
¥	- 296 484 929		€.	- 396 484 979	- 19 272 000	ø	\$ (121 999 8) \$	- 15 605 869

NET INCOME BEFORE FEDERAL & STATE INCOME TAXES

Note 1: \$30.9M = \$25.93M electric and \$4.94M gas Amortized over 10 years = \$2.593M electric per year and \$0.494M gas per year

Tax Only Item - Rate Change
Tax Only Item - State Year 2000 - (Note 1)
Tax Only Item - 3
TOTAL SIT EXPENSE

Meals and Entertainment GAIN ON REDEMPTION BONDS

Other - 3

Other -2

Flow-through Unamortized Debt Flow-through Bond Redemption

Flow-through Depreciation

Flow-through Cost of Removal

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	Rate Y Marc	Rate Year Ending March 31, 2019	Adj. #	Adjustments	ıts	Joint Rate Y Marci	Joint Proposal Rate Year Ending March 31, 2020
Net Utility Plant	€	6,969,687	(9a)	37	377,475	€	7,347,162
Regulatory Assets / Liabilities		(85,780)	(96)	J	(6,346)		(92,126)
Accumulated Deferred Income Taxes - Federal		(1,563,793)	(36)	(1)	(11,960)		(1,575,753)
Accumulated Deferred Income Taxes - State		(220,522)	(p6)	(1)	(11,473)		(231,994)
Working Capital  Materials and supplies  Prepayments  O&M Cash Allowance (1/8 O&M exp)  Supply Cash Allowance (Dec 16 lead/lag study)  Change in Supply Cash Allowance (6.72 % x RY PP exp)  subtotal Working Capital		40,431 (10,310) 114,677 48,562 (4,078) 189,282	(96)		849 (217) (1,799) - (2,216) (3,383)		41,280 (10,527) 112,878 48,562 (6,294) 185,898
subtotal avg. before EBCAP adj.		5,288,874	•	34	344,313		5,633,187
Excess Earnings Base adjustment		(28,147)	·				(28,147)
Total Rate Base	\$	5,260,727	"	\$ 34	344,313	8	5,605,040

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Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Capital Structure
For the Rate Year Ending March 31, 2020
(\$000's)

Joint Proposal Capital Structure Forecast

JOHN TOPOSAL CAPITAL SURCING FORCASI					Pre-Tax
	Total	Weighting		Weighted	Weighted
	Annual Avg	Percent	Cost	Cost	Cost
Long Term Debt	\$ 2,861,874	51.06%	4.19%	2.14%	2.14%
Customer Deposits	27,038	0.48%	0.35%	0.00%	0.00%
Preferred Stock	25,708	0.46%	3.66%	0.02%	0.03%
Common Equity	2,690,419	48.00%	%00.6	4.32%	5.85%
Total	\$ 5,605,040	100.00%		6.48%	8.02%
OTHER REVENUE REQUIREMENT INPUTS					

OTHER REVENUE REQUIREMENT INPUTS					
Forecast Rate Year Rates to apply to Rev Req					
Bad Debt % for Rev Reg		1.58%	1.58371%	Tax	•
GRT rate for Rev Req		1.30%		Revenue	•
Federal Income Tax rate		21.00%		GRT	
NYS Income Tax rate		6.50%	73.8650%		
Historic Year EBCAP	↔	(20,415)			
General Inflation (from 12/31/16 to 3/31/19)		4.3476%			

32,289 2,474,913 1.3046598%

## Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Electric - Adjustments for the Rate Year Ending March 31, 2020 (\$000's)

		Adj	ustments		 Amo	ount	
<u>Adj. 1</u>	Operating Revenues To reflect RY20 sales forecast	\$ (36,861)	\$	(36,861)	\$ (36,861)	\$	(36,861)
<u>Adj. 2</u>	Purchased Power Costs To reflect RY20 sales forecast	(33,003)	\$	(33,003)	 (33,003)	\$	(33,003)
<u>Adj. 3</u>	Revenue Taxes To reflect RY20 sales forecast	(416)	\$	(416)	 (416)	\$	(416)
<u>Adj. 4</u>	Operating and Maintenance Expenses						
(a)	Various Expenses To reflect increase in expense due to inflation	4,026	\$	4,026	 4,026	\$	4,026
(b)	Rents To reflect specific RY20 forecast and general inflation	504	\$	504	 504	\$	504
(c)	Service Company Rents ) To reflect RY 20 forecast	2.100					
	) Flow through impact of Tax Law Change	2,108 (98)	\$	2,010	 2,108	\$	2,010
(d)	FAS 106 To reflect forecast per actuarial report	(6,451)	\$	(6,451)	 (6,451)	\$	(6,451)
(e)	Pension To reflect forecast per actuarial report	(24,358)	\$	(24,358)	 (24,358)	\$	(24,358)
(f)	Labor Expense To reflect increase in salaries and wages by labor inflation factor	7,078	\$	7,078	 7,078	\$	7,078
(g)	Transportation To reflect specific RY20 forecast and general inflation	64	\$	64	 64	\$	64
(h)	Clean Energy Fund To reflect RY 20 forecast	(1,176)	\$	(1,176)	 (1,176)	\$	(1,176)
(i)	Other Initiatives To reflect RY20 forecast and general inflation	3,605	\$	3,605	 3,605	\$	3,605
(j)	<b>Productivity</b> Flow through adjustment related to labor adjustment	(3,702)	\$	(3,702)	 (3,702)	\$	(3,702)
(k)	Rate Case Expense		\$		 -	\$	
(1)	Regulatory Assessment Fees To reflect specific RY20 forecast and general inflation	224	\$	224	 224	\$	224
(m)	Uncollectibles To reflect increase associated with change in revenue	(600)	\$	(600)	 (600)	\$	(600)
(n)	Site Investigation and Remediation To reflect RY 20 forecast		\$		 	\$	
(0)	Vegetation Management To reflect RY 20 forecast	2,599	\$	2,599	 2,599	\$	2,599
(p)	Major Non-Deferrable and Minor Storms To reflect RY 20 forecast		\$		 -	\$	-
(q)	Economic Development Fund To reflect RY 20 forecast		\$	-	 	\$	-
(r)	Low Income Program To reflect RY 20 forecast		\$	-	 -	\$	-
(s)	Savings Flow through impact of Tax Law Change	10	\$	10	 10	\$	10
	Total Operating & Maintenance Expense Adjustments		\$	(16,169)		\$	(16,169)

## Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Electric - Adjustments for the Rate Year Ending March 31, 2020 (\$000's)

	<u>.</u>	Adj	ustments	<u> </u>	Amo	ount	
Adj. 5 (a)	Depreciation Expense To reflect RY20 forecast associated with Net Utility Plant	11,297	\$	11,297	11,297	\$	11,297
Adj. 6 (a)	Taxes Other Than Revenue & Income Taxes Real Estate Taxes						
(-)	To reflect RY20 forecast	3,306	\$	3,306	3,306	\$	3,305.9
(b)	Special Franchise To reflect RY20 forecast	2,881	\$	2,881	2,881	\$	2,881
(c)	Payroll Taxes						
	Flow through adjustment related to labor adjustment	385	\$	385	385	\$	385
(d)	Other Taxes To reflect RY20 inflation	7	\$	7	7	\$	7
	To reflect K 120 minuton		Ψ	<del></del>		Ψ	, , , , , , , , , , , , , , , , , , ,
	<b>Total Taxes Other Than Revenue &amp; Income Taxes</b>		\$	6,572		\$	6,572
A J: 7	Endored Income Tours						
Adj. 7 (a)	Federal Income Taxes Flow through calculation	(2,612)			(2,612)		
(b)	Impact of Tax Law change	670	\$	(1,942)	670	\$	(1,942)
Adj. 8	State Income Taxes						
(a)	Flow through calculation	(519)			(519)		
(b)	Flow through impact of Tax Law change	(123)	\$	(642)	(123)	\$	(642)
	Total Income Tax Adjustments		\$	(2,584)		\$	(2,584)
Adj. 9	Rate Base						
(a)	Net Utility Plant						
(	1) To reflect RY20 plant forecast	377,475	\$	377,475	377,475	\$	377,475
(b)	Regulatory Assets / Liabilities To reflect RY20 forecast	(6,346)	\$	(6,346)	(6,346)	\$	(6,346)
	·	(0,540)	Ψ	(0,540)	(0,340)	Ψ	(0,540)
(c)	Accumulated Deferred Income Taxes - Federal  1) To reflect RY20 forecast increase (includes flow through)	(69,262)					
	2) Impact of Tax Law Change	57,303	\$	(11,960)	(69,262)	\$	(11,960)
(d)	Accumulated Deferred Income Taxes - State						
(	1) To reflect RY20 forecast increase (includes flow through)	(11,473)	\$	(11,473)	(11,473)	\$	(11,473)
(e)	Working Capital						
	To reflect increase in Materials due to inflation     To reflect increase in Prepayments due to inflation	849 (217)			849 (217)		
,	To reflect increase in O&M Cash Allowance based on changes in expense levels & flow through 3) impact of tax law change	(1,799)			(1,799)		
	4) To reflect increase in Supply Cash Allowance	(2,216)	\$	(3,383)	(2,216)	\$	(3,383)
	Total Rate Base Adjustments		\$	344,313		\$	344,313

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Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Taxes Other Than Income Taxes
For the Rate Year Ending March 31, 2020
(\$000's)

Taxes Other Than Revenue and Income Taxes	Joint Proposal Rate Year Ending March 31, 2019	posal Ending , 2019	Adj.#	Adj	Adjustments	Joint Rate Y Marcl	Joint Proposal Rate Year Ending March 31, 2020
Real Estate Taxes Real Property Special Franchise Total Real Estate Taxes	€	97,797 85,227 183,024	(6a) (6b)	↔	3,306 2,881 6,187	↔	101,103 88,108 189,211
Payroll Taxes		20,219	(29)		385		20,603
Other		320	(p9)		7		327
Total Taxes Other Than Revenue and Income Taxes	↔	203,563		↔	6,578	↔	210,141

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> Electric - Summary of Depreciation and Amortization Expense For the Rate Year Ending March 31, 2020 (\$000's) Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239

	Join Rate Y Marc	Joint Proposal Rate Year Ending March 31, 2019	Adj.#	A	Adjustments	Joi Rate Mar	Joint Proposal Rate Year Ending March 31, 2020
Depreciation Expense (acct 403)	<del>∨</del>	231,655	(5)	↔	11,297	↔	242,952
Amortization Expense (acct 404-405)		1			ı		ı
Accretion Expense (acct 411.10)		1			•		ı
(Gain) Loss on Disposition of Utility Plant (acct 411.7)		1			1		1
Total Depreciation & Amortization Expense	↔	231,655		↔	11,297	€	242,952

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Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Tax Deduction for Interest Expense
For the Rate Year Ending March 31, 2020
(\$000's)

	Join Rate Mar	Joint Proposal Rate Year Ending March 31, 2019	AC	Adjustments	Join Rate Mar	Joint Proposal Rate Year Ending March 31, 2020
Avg Rate Base Per Books Plus: Forecast of Avg Interest Bearing CWIP Less: Rate Base moved to GAC	<del>≶</del>	5,288,874	↔	344,313	<del>∽</del>	5,633,187
Less: Excess Earnings Adj (EBCAP) Rate Base		28,147 5,260,727		344,313		28,147 5,605,040
Weighted Cost of LTD Debt Weighted Cost of Cust Deposits		2.14% 0.00%		-0.05% 0.00%		2.14% 0.00%
subtotal weighted cost of debt		2.14%		-0.05%		2.14%
Total Income Tax Interest Deduction	\$	112,580	\$	4,738	8	119,948

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Working Capital - Cash Allowance
For the Rate Year Ending March 31, 2020
(\$000's)

Description	Joint Rate Y March	Joint Proposal Rate Year Ending March 31, 2019	Adj	Adjustments	Joir Rate Mar	Joint Proposal Rate Year Ending March 31, 2020
Total O&M Expense	<del>&lt;</del>	1,114,616	<del>⊘</del>	(13,636)	<del>∨</del>	1,100,981
Remove major non-cash items included O&M expense : Bad Debt expense Other (EE & 18A) Subtotal		(35,487) (213,173) (248,660)		(1,933) 1,176 (756)		(37,420) (211,996) (249,416)
Add major cash items not included in O&M expense: Other Subtotal		51,458				51,458
Total Adjustments		(197,202)		(756)		(197,958)
Adjusted O&M Expense	↔	917,414	↔	(14,392)	↔	903,022
Departmental Cash Allowance - 1/8 (45 days)		114,677		(1,799)		112,878
Supply Cost Cash Allowance (3.64% x HY PP exp)		1				1

(note: The Supply Cost Allowance is being presented separately, therefore will be removed from the historic Excess Earnings Base Adjustment)

# Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239

## Electric - Comparison of Average Historic Rate Base and Capitalization For the Rate Year Ending March 31, 2020 (\$000's)

			Staff		Settlement	
		TOTAL	Adjustments	TOTAL	Adjustments	TOTAL
(A)	AVERAGE RATE BASE - PER BOOKS	\$ 4,649,266	-	\$ 4,649,266		\$ 4,649,266
(B)	ADD: Average interest-bearing					
	CWIP	210,893	-	210,893	-	210,893
(C)	TOTAL EARNINGS BASE (A+B)	4,860,159		4,860,159	-	4,860,159
	Percent	100.00%				
(D)	AVERAGE CAPITALIZATION (CE excludes merge	r Goodwill, and may	y be adj for TCI if	required):		
	Long Term Debt	2,269,427		2,269,427		2,269,427
	Notes Payable	4,252		4,252		4,252
	Gas Supplier Refunds	329		329		329
	Customer Deposits	24,391		24,391		24,391
	Preferred Stock	23,666		23,666		23,666
	Common Equity (excludes merger GW; incl TCI adj)	2,700,302		2,700,302		2,700,302
(E)	Avg. Allocated to Elec / Gas based on Earnings Base Add dividends declared but unpaid representing the timing difference	5,022,368		5,022,368		5,022,368
	between declaration and payment	_	_	_	_	_
(F)	SUBTOTAL (D+E)	5,022,368		5,022,368	<del></del>	5,022,368
	LESS Average Investments in:					
	Detailed balance sheet accounts	(111,825)	-	(111,825)	-	(111,825)
	Accumulated Def Inc Tax Adjustment	253,619	-	253,619	-	253,619
	Goodwill					
(G)	Total Deductions	141,794		141,794		141,794
(H)	Capitalization Dedicated to Public					
	Service (F-G)	4,880,574		4,880,574		4,880,574
(J)	Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to					
	Service Current Customers) (C-H)	\$ (20,415)		\$ (20,415)		\$ (20,415)

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Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Electric - Statement of Operating Income For the Rate Year Ending March 31, 2021

Rate Year Ending

	Rate Year   March 31	ar Ending 31, 2020	Adj. #	Adji	Adjustments	Rate	Rate Year Ending March 31, 2021	Base Ir Re	Base Revenue Increase Required	Mar with I Re	March 31, 2021 with Base Revenue Requirement
Operating Revenues	S	2,629,040	(E)	<del>\$</del>	(28,467)	↔	2,600,573	<del>\$</del>	49,801	↔	2,650,374
Deductions Purchased Power Costs Revenue Taxes Total Deductions		593,116 34,365 627,481	(3)		(21,732) (349) (22,081)		571,384 34,015 605,400		650		571,384 34,665 606,050
Gross Margin		2,001,559			(6,386)		1,995,173		49,151		2,044,324
Total Operation & Maintenance Expenses		1,101,472	(4)		(1,452)		1,100,020		789		1,100,809
Amortization of Regulatory Deferrals		2,482			0		2,482		ı		2,482
Depreciation, Amort. & Loss on Disposition		242,952	(5)		11,070		254,022				254,022
Taxes Other Than Revenue & Income Taxes		210,141	(9)		6,347		216,488		1		216,488
Total Operating Revenue Deductions		1,557,047			15,966		1,573,012		789		1,573,801
Operating Income Before Income Taxes		444,512			(22,352)		422,161		48,362		470,523
Income Taxes Federal Income Taxes State Income Taxes Total Income Taxes		63,742 17,564 81,306	£ 8		(5,495) (1,820) (7,315)		58,247 15,744 73,991		9,496 3,144 12,640		67,743 18,888 86,631
Operating Income After Income Taxes	S	363,206		S	(15,037)	<del>≶</del>	348,170	\$	35,722	↔	383,892
Rate Base	↔	5,605,040	(6)	<del>\$</del>	346,766	↔	5,951,806			<del>∽</del>	5,951,806
Rate of Return		6.48%					5.85%				6.45%

# Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Electric - Summary of O&M Expenses For the Rate Year Ending March 31, 2021 (\$000's)

	Rate	int Proposal e Year Ending erch 31, 2020	Adj.#	 Adjustments	Rat	oint Proposal e Year Ending arch 31, 2021
Operation & Maintenance Expenses:						
Departmental Items:						
Consultants	\$	19,815	(4a)	\$ 416	\$	20,231
Contractors		84,169	(4a)	1,768		85,936
Donations		-		-		-
Employee Expenses		7,769	(4a)	163		7,933
Hardware		380	(4a)	8		388
Software		12,641	(4a)	265		12,906
Other		21,268	(4a)	447		21,714
Rents		20,492	(4b)	537		21,029
Service Company Rents		38,069	(4c)	1,571		39,640
Construction Reimbursement		424	(4a)	9		433
FAS 106		10,232	(4d)	(9,013)		1,219
FAS 112		376	(4a)	8		384
Health Care		34,851	(4a)	(88)		34,763
Group Life Insurance		1,426	(4a)	30		1,456
Other Benefits		229	(4a)	5		234
Pensions		8,140	(4e)	(8,140)		-
Thrift Plan		8,457	(4a)	205		8,662
Workers Comp		3,441	(4a)	72		3,513
Materials Outside Vendor		9,198	(4a)	193		9,391
Materials From Inventory		5,061	(4a)	106		5,168
Materials Stores Handling		1,179	(4a)	25		1,204
Postage		8,868	(4a)	186		9,054
Total Labor		276,327	(4f)	7,189		283,516
Transportation		22,597	(4g)	(103)		22,493
Energy Efficiency program		51,458	(41.)	- (4.00.0)		51,458
Clean Energy Fund		160,538	(4h)	(1,384)		159,154
Injuries and Damages		11,471	(4a)	241		11,712
Other Initiatives		65,761	(4i)	6,964		72,725
Productivity Adjustment		(10,009)	(4j)	(3,842)		(13,851)
Rate Case Expense		493	(4k)	220		493
Regulatory Assessment Fees		10,912	(41)	229		11,141
Uncollectible Accounts		37,911	(4m)	(473)		37,438
SIR		27,321	(4n)	1 252		27,321
Vegetation Management		64,443	(40)	1,353		65,796
Savings		(11,710)	(4a)/(4s)	(544)		(12,254)
Legal		2,895	(4a)	61 43		2,956
Accounting		2,057	(4a)			2,100
Conservation Load Management		1,929	(4a)	41		1,969
Storm Fund		23,000	(4p)	-		23,000
Economic Development Program		11,000	(4q)	-		11,000
Low Income Programs		56,594	(4r)	-		56,594
Incentive Programs	\$	1 101 472		\$ (1.452)	\$	1 100 020
Sub Total - Departmental		1,101,472		(1,452)		1,100,020
TOTAL	\$	1,101,472		\$ (1,452)	\$	1,100,020

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> Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Electric - Federal Income Taxes

For the Rate Year Ending March 31, 2021 (Whole Dollars)

NET INCOME BEFORE FEDERAL & STATE INCOME TAXES Tax Only Item - State Year 2000 - (Note 1) Tax Only Item - 3 TOTAL FIT EXPENSE Meals and Entertainment GAIN ON REDEMPTION BONDS Flow-through Unamortized Debt Flow-through Bond Redemption Flow-through Cost of Removal New York State Income Taxes Tax Only Item - Rate Change Tax Only Item Flow-through Depreciation Other -2 Other - 3

(26,372,000) (3,306,000) (9,208,000)

(3,306,000) (9,208,000)

(125,583,112) (15,743,869) (43,846,193) 42,649,194

8.956,000

42,649,194

8.956,000

67,000

67,000

318,294

318,294

(544,000)

(544,000)

(2,592,689)

(2,592,689)

Rev Red 88,654,000

Reversals

Rate 88,654,000 (26,372,000)

> 422,160,516 (125,583,112) (15,743,869) (43,846,193)

Statutory @ the

Taxable

Deferrable Basis

Taxable Federal

<u>Income</u> 422,160,516

Net FIT Before

> Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239

For the Rate Year Ending March 31, 2021 (Whole Dollars) Electric - State Income Taxes

State - Electric	Book         © the         Net SIT           Deferrable         Taxable         Statutnory         DSIT         Before           Basis         Income         Rate         Reversals         Rev Req           516         \$ 422,160,516         \$ 27,440,000         \$ 27,440,000	(125,583,112) (8,163,000) (8,163,000)	181 1,720,181 112,000 112,000	294 318,294 21,000 21,000		(1,073,442)	(089) (080) (080)
	State Taxable Income 422,160,516	(125,583,112)	1,720,181	318,294		,	

NET INCOME BEFORE FEDERAL & STATE INCOME TAXES

Tax Only Item - Rate Change Tax Only Item - State Year 2000 - (Note 1) Tax Only Item - 3

TOTAL SIT EXPENSE

Meals and Entertainment GAIN ON REDEMPTION BONDS Other -2

Flow-through Unamortized Debt Flow-through Bond Redemption

How-through Depreciation

Flow-through Cost of Removal

Note 1: \$30.9M = \$25.93M electric and \$4.94M gas Amortized over 10 years = \$2.593M electric per year and \$0.494M gas per year

Niagara Mohawk Power Corporation d/b/a National Grid

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PSC Case 17-E-0238 & 17-G-0239 Electric - Summary of Rate Base For the Rate Year Ending March 31, 2021 (\$000's)

	Joi Rate Mar	Joint Proposal Rate Year Ending March 31, 2020	Adi.#	<	Adiustments	Joir Rate	Joint Proposal Rate Year Ending March 31, 2021
			9				
Net Utility Plant	↔	7,347,162	(9a)	<del>\$</del>	381,843	↔	7,729,005
Regulatory Assets / Liabilities		(92,126)	(q6)		(6,348)		(98,474)
Accumulated Deferred Income Taxes - Federal		(1,575,753)	(9c)		(14,870)		(1,590,623)
Accumulated Deferred Income Taxes - State		(231,994)	(p6)		(13,096)		(245,090)
Working Capital  Materials and supplies  Prepayments  O&M Cash Allowance (1/8 O&M exp)  Supply Cash Allowance (Dec 16 lead/lag study)  Change in Supply Cash Allowance (6.72 % x RY PP exp)  subtotal Working Capital  subtotal avg. before EBCAP adj.		41,280 (10,527) 112,878 48,562 (6,294) 185,898 5,633,187 (28,147)	(96)		867 (221) 50 - (1,459) (763) 346,766		42,147 (10,748) 112,928 48,562 (7,754) 185,135 5,979,953
Total Rate Base	↔	5,605,040		8	346,766	8	5,951,806

Niagara Mohawk Power Corporation d/b/a National Grid Electric - Capital Structure For the Rate Year Ending March 31, 2021 (\$000's) PSC Case 17-E-0238 & 17-G-0239

Joint Proposal Capital Structure Forecast							Pre-Tax
	Total	٤	Weighting Dercent	100	Weighted		Weighted
Long Term Debt	\$ 3,038,929	8 929	51.06%	4.13%	2.11%		2.11%
Customer Deposits	28,711	711	0.48%	0.35%	0.00%		0.00%
Preferred Stock	27,	27,299	0.46%	3.66%	0.02%		0.03%
Common Equity	2,856,867	198	48.00%	800.6	4.32%		5.85%
Total	\$ 5,951,806	908	100.00%		6.45%		7.99%
				               		1	
		 				ı	
Forecast Rate Year Rates to apply to Rev Req							
Bad Debt % for Rev Req		28%	1.58371%		Tax	↔	32,289
GRT rate for Rev Req	1.	30%			Revenue	\$	2,474,913
Federal Income Tax rate	21.	%00			GRT		1.3046598%
NYS Income Tax rate	.9	20%	73.8650%				
Historic Year EBCAP	\$ (20,	(20,415)					
General Inflation (from 12/31/16 to 3/31/19)	4.34	<b>%9</b> L					

## Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Electric Adjustments for the Rate Year Ending March 31, 2021 (\$000's)

		Adjustments				Amount			
<u>Adj. 1</u>	Operating Revenues	\$	(28,467)	\$	(28,467)	\$	(28,467)	\$	(28,467)
<u>Adj. 2</u>	Purchased Power Costs To reflect RY21 sales forecast		(21,732)	\$	(21,732)		(21,732)	\$	(21,732)
<u>Adj. 3</u>	Revenue Taxes To reflect RY21 sales forecast		(349)	\$	(349)		(349)	\$	(349)
Adj. 4 (a)	Operating and Maintenance Expenses Various Expenses To reflect increase in expense due to inflation		3,597	\$	3,597		3,597	\$	3,597
(b)	Rents To reflect specific RY21 forecast and general inflation		537	\$	537		537	\$	537
(c) (1	Service Company Rents ) To reflect RY21 forecast		2,164				2,164		
(2	) Flow through impact of Tax Law Change		(593)	\$	1,571	_	(593)	\$	1,571
(d)	FAS 106 To reflect forecast per actuarial report		(9,013)	\$	(9,013)		(9,013)	\$	(9,013)
(e)	Pension To reflect forecast per actuarial report		(8,140)	\$	(8,140)		(8,140)	\$	(8,140)
(f)	Labor Expense To reflect increase in salaries and wages by labor inflation factor		7,189	\$	7,189		7,189	\$	7,189
(g)	Transportation To reflect specific RY21 forecast and general inflation		(103)	\$	(103)		(103)	\$	(103)
(h)	Clean Energy Fund To reflect RY21 forecast		(1,384)	\$	(1,384)		(1,384)	\$	(1,384)
(i)	Other Initiatives To reflect RY21 forecast and general inflation		6,964	\$	6,964		6,964	\$	6,964
(j)	Productivity Flow through adjustment related to labor adjustment		(3,842)	\$	(3,842)		(3,842)	\$	(3,842)
(k)	Rate Case Expense			\$	<u>-</u>		-	\$	
(1)	Regulatory Assessment Fees To reflect specific RY21 forecast and general inflation		229	\$	229		229	\$	229
(m)	Uncollectibles To reflect increase associated with change in revenue		(473)	\$	(473)		(473)	\$	(473)
(n)	Site Investigation and Remediation To reflect RY 21 forecast		-	\$				\$	
(0)	Vegetation Management To reflect RY 21 forecast		1,353	\$	1,353		1,353	\$	1,353
(p)	Major Non-Deferrable and Minor Storms To reflect RY 21 forecast			\$			-	\$	-
(q)	Economic Development Fund To reflect RY 21 forecast			\$	_			\$	-
(r)	Low Income Program To reflect RY 21 forecast			\$				\$	
(s)	Savings Flow through impact of Tax Law Change		63	\$	63		63	\$	63
	Total Operating & Maintenance Expense Adjustments			\$	(1,452)			\$	(1,452)

## Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Electric Adjustments for the Rate Year Ending March 31, 2021 (\$000's)

		Adjı		Amount			
Adj. 5 (a)	Depreciation Expense To reflect RY21 forecast associated with Net Utility Plant	11,070	\$	11,070	11,070	\$	11,070
Adj. 6 (a)	Taxes Other Than Revenue & Income Taxes Real Estate Taxes						
	To reflect RY21 forecast	3,181	\$	3,181	3,181	\$	3,180.9
(b)	Special Franchise To reflect RY21 forecast	2,772	\$	2,772	2,772	\$	2,772
(c)	Payroll Taxes	· <u> </u>					
(-)	Flow through adjustment related to labor adjustment	387	\$	387	387	\$	387
(d)	Other Taxes	_	_	_	_		_
	To reflect FY21 inflation	7	\$	7	7	\$	7
	Total Taxes Other Than Revenue & Income Taxes		\$	6,340		\$	6,340
<u>Adj. 7</u>	Federal Income Taxes	(8,925)			(8,925)		
(a) (b)	Flow through calculation Impact of tax law change	3,430	\$	(5,495)	3,430	\$	(5,495)
<u>Adj. 8</u>	State Income Taxes						
(a)	Flow through calculation	(1,774)			(1,774)		
(b)	Flow through impact of tax law change	(46)	\$	(1,820)	(46)	\$	(1,820)
	Total Income Tax Adjustments		\$	(7,315)		\$	(7,315)
	D. ( D						
Adj. 9 (a)	Rate Base Net Utility Plant						
	To reflect RY21 plant forecast	381,843	\$	381,843	381,843	\$	381,843
(b)	Regulatory Assets / Liabilities						
	To reflect RY21 forecast	(6,348)	\$	(6,348)	(6,348)	\$	(6,348)
(c)	Accumulated Deferred Income Taxes - Federal ) To reflect RY21 forecast increase (includes flow through)	(39,052)					
	) Impact of Tax Law Change	24,182	\$	(14,870)	(39,052)	\$	(14,870)
(d)	Accumulated Deferred Income Taxes - State						
(1)	To reflect RY21 forecast increase (includes flow through)	(13,096)	\$	(13,096)	(13,096)	\$	(13,096)
(e)	Working Capital	9.77			9.77		
	) To reflect increase in Materials due to inflation ) To reflect increase in Prepayments due to inflation	867 (221)			867 (221)		
(2	To reflect increase in O&M Cash Allowance based on changes in expense levels and flow ) through impact of tax law change	50			50		
	To reflect increase in Supply Cash Allowance	(1,459)	\$	(763)	(1,459)	\$	(763)
	Total Rate Base Adjustments		\$	346,766		\$	346,766

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Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Taxes Other Than Income Taxes
For the Rate Year Ending March 31, 2021
(\$000s)

Taxes Other Than Revenue and Income Taxes	Joint Proposal Rate Year Ending March 31, 2020	oposal Ending 1, 2020	Adj.#	Adjı	Adjustments	Joint Rate Y	Joint Proposal Rate Year Ending March 31, 2021
Real Estate Taxes Real Property Special Franchise Total Real Estate Taxes	€	101,103 88,108 189,211	(6a) (6b)	↔	3,181 2,772 5,953	↔	104,284 90,880 195,164
Payroll Taxes		20,603	(90)		387		20,991
Other		327			7		334
Total Taxes Other Than Revenue and Income Taxes	<del>∨</del>	210,141		↔	6,347	↔	216,488

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Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Summary of Depreciation and Amortization Expense
For the Rate Year Ending March 31, 2021
(\$000's)

	Joint Rate Y Marcl	Joint Proposal Rate Year Ending March 31, 2020	Adj.#		Adjustments	Jo Rate Ma	Joint Proposal Rate Year Ending March 31, 2021
Depreciation Expense (acct 403)	<del>∨</del>	242,952	(5)	↔	11,070	↔	254,023
Amortization Expense (acct 404-405)		ı			ı		1
Accretion Expense (acct 411.10)		ı			ı		1
(Gain) Loss on Disposition of Utility Plant (acct 411.7)		•			•		ı
Total Depreciation & Amortization Expense	↔	242,952		↔	11,070	↔	254,023

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Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Tax Deduction for Interest Expense
For the Rate Year Ending March 31, 2021
(\$000's)

	Joint Proposal Rate Year Ending March 31, 2020	osal nding 2020	Adjus	Adjustments	Join Rate Marc	Joint Proposal Rate Year Ending March 31, 2021
Avg Rate Base Per Books	\$ 5,63	5,633,187	<del>\$</del>	346,766	<del>\$</del>	5,979,953
Plus: Forecast of Avg Interest Bearing CWIP Less: Rate Base moved to GAC		1 1		1 1		1 1
Less: Excess Earnings Adj (EBCAP)	(1	28,147		ı		28,147
Rate Base	5,6(	5,605,040		346,766		5,951,806
Weighted Cost of LTD Debt		2.11%		-0.08%		2.11%
Weighted Cost of Cust Deposits		0.00%		0.00%		0.00%
subtotal weighted cost of debt		2.11%		%80:0-		2.11%
Total Income Tax Interest Deduction	\$	118,266	\$	2,833	8	125,583

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Electric - Working Capital - Cash Allowance
For the Rate Year Ending March 31, 2021

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Description	Joint Rate Ye March	Joint Proposal Rate Year Ending March 31, 2020	Adjı	Adjustments	Join Rate Mar	Joint Proposal Rate Year Ending March 31, 2021
Total O&M Expense	↔	1,100,981	↔	(961)	↔	1,100,020
Remove major non-cash items included O&M expense: Bad Debt expense Other (EE & 18A) Subtotal		(37,420) (211,996) (249,416)		(18) 1,384 1,366		(37,438) (210,612) (248,050)
Add major cash items not included in O&M expense: Other Subtotal		51,458				51,458
Total Adjustments		(197,958)		1,366		(196,592)
Adjusted O&M Expense	<del>\$</del>	903,022	\$	405	↔	903,428
Departmental Cash Allowance - 1/8 (45 days)		112,878		51		112,928
Supply Cost Cash Allowance (3.64% x HY PP exp)		1		1		1

(note: The Supply Cost Allowance is being presented separately, therefore will be removed from the historic Excess Earnings Base Adjustment)

## Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Electric - Comparison of Average Historic Rate Base and Capitalization For the Rate Year Ending March 31, 2021 (\$000's)

		TOTAL	Staff Adjustments	TOTAL	Settlement Adjustments	TOTAL
(A)	AVERAGE RATE BASE - PER BOOKS	\$ 4,649,266	-	\$ 4,649,266	-	\$ 4,649,266
(B)	ADD: Average interest-bearing					
	CWIP	210,893	-	210,893	-	210,893
(C)	TOTAL EARNINGS BASE (A+B)	4,860,159	-	4,860,159	-	4,860,159
	Percent	100.00%				
(D)	AVERAGE CAPITALIZATION (CE excludes merger	r Goodwill, and ma	ay be adj for TCI if	required):		
	Long Term Debt	2,269,427		2,269,427		2,269,427
	Notes Payable	4,252		4,252		4,252
	Gas Supplier Refunds	329		329		329
	Customer Deposits	24,391		24,391		24,391
	Preferred Stock	23,666		23,666		23,666
	Common Equity (excludes merger GW; incl TCI adj)	2,700,302	1	2,700,302		2,700,302
(E)	Avg. Allocated to Elec / Gas based on Earnings Base Add dividends declared but unpaid	5,022,368		5,022,368		5,022,368
	representing the timing difference					
(E)	between declaration and payment	- 5.000.050		5 000 000		5 000 260
(F)	SUBTOTAL (D+E)	5,022,368		5,022,368		5,022,368
	LESS Average Investments in:					
	Detailed balance sheet accounts	(111,825)	-	(111,825)	-	(111,825)
	Accumulated Def Inc Tax Adjustment	253,619	-	253,619	-	253,619
	Goodwill					
(G)	Total Deductions	141,794		141,794		141,794
(H)	Capitalization Dedicated to Public Service (F-G)	4,880,574		4,880,574		4,880,574
(J)	Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to Service Current Customers) (C-H)	\$ (20,415)		\$ (20,415)		\$ (20,415)

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Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas - Statement of Operating Income For the Rate Year Ending March 31, 2019 (\$000's)

				(\$0	(\$000s)			
	C&U Filing Rate Year Ending	;			Settlement	Joint Proposal Rate Year Ending	Base Revenue Increase	Rate Year Ending March 31, 2019 with Base Revenue
	March 31, 2019	Adj. #		Adjustments	Adjustments	March 31, 2019	Kequired	Kequirement
Operating Revenues	\$ 565,398	(1)	<b>∞</b>	(10,458)		\$ 554,939	\$ 45,524	\$ 600,463
<u>Deductions</u>								
Purchased Gas Costs Revenue Taxes	7 983					7 983	559	1/8,1/4
Total Deductions	186,156					186,156	959	186,811
Gross Margin	379,241			(10,458)		368,783	44,869	413,652
Total Operation & Maintenance Expenses	225,680	(2)		(19,267)	7,655	214,068	1,094	215,162
Amortization of Regulatory Deferrals	ı			1		•		ı
Depreciation, Amort. & Loss on Disposition	52,660	(3)		(127)	40	52,572		52,572
Taxes Other Than Revenue & Income Taxes	47,494	4)		(4)	4	47,494		47,494
Total Operating Revenue Deductions	325,833			(19,397)	7,699	314,135	1,094	315,229
Operating Income Before Income Taxes	53,408			8,939	(7,699)	54,648	43,775	98,423
Income Taxes Federal Income Taxes	8,725	(5)		3,092	(6,382)	5,435	8,595	14,030
State income Taxes  Total Income Taxes	9,546	e) 		1,331	(7,422)	6,547	2,843	17,987
Operating Income After Income Taxes	\$ 43,862		÷	4,516	\$ (277)	48,101	\$ 32,334	\$ 80,436
Rate Base	\$ 1,222,037	(7)	S	(11,683)	\$ 21,427	\$ 1,231,782		\$ 1,231,782
Rate of Return	3.59%					3.90%		6.53%

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas - Summary of O&M Expenses For the Rate Year Ending March 31, 2019 h

	Rate Y	EU Filing Year Ending h 31, 2019	Adj.#	Staff Adjustments	Rate	Year Ending ch 31, 2019	Settlement Adjustments	Rate Year nt Proposal
peration & Maintenance Expenses:								
Departmental Items:								
Consultants	\$	6,325	(2a)	\$ (11)	\$	6,314	\$ (0)	\$ 6,314
Contractors		22,527		-		22,527	-	22,527
Donations		-		-		-	-	-
Employee Expenses		1,425		-		1,425	-	1,425
Hardware		60		-		60	-	60
Software		2,429		-		2,429	-	2,429
Other		5,755		-		5,755	-	5,755
Rents		992		-		992	-	992
Service Company Rents		9,172	(2b)	(2,215)		6,957	1,295	8,251
Construction Reimbursement		195		-		195	-	195
FAS 106		3,191	(2c)	(13)		3,178	-	3,178
FAS 112		70	(2d)	(97)		(27)	97	70
Health Care		6,618	(2e)	(3)		6,615	(27)	6,588
Group Life Insurance		268	(2f)	(10)		258	9	267
Other Benefits		56		-		56	-	56
Pensions		6,204	(2g)	(14)		6,190	-	6,190
Thrift Plan		1,582	(2h)	(31)		1,551	24	1,575
Workers Comp		649	(2i)	(4)		645	_	645
Materials Outside Vendor		3,164	. ,	- '		3,164	_	3,164
Materials From Inventory		1,332	(2j)	(84)		1,248	21	1,269
Materials Stores Handling		502	( 3)	- ′		502	_	502
Postage		3,178		-		3,178	_	3,178
Total Labor		58,062	(2k)	(576)		57,486	125	57,611
Transportation		4,492	(21)	(113)		4,378	113	4,491
Energy Efficiency program		10,458	(2m)	91		10,549	_	10,549
Clean Energy Fund		4,182	(=)	-		4,182	_	4,182
Injuries and Damages		2,362		_		2,362	_	2,362
Other Initiatives		32,233	(2n)	(15,147)		17,086	7,045	24,131
Productivity Adjustment		(1,354)	(20)	(662)		(2,016)	667	(1,349
Rate Case Expense		396	(==)	-		396	_	396
Regulatory Assessment Fees		3,875		_		3,875	_	3,875
Uncollectible Accounts		13,492	(2p)	(251)		13,240	_	13,240
Site Investigation & Remediation Expenses		4,821	( <b>-</b> P)	-		4,821	_	4,821
Vegetation Management		-,021		_		-,021	_	-,021
Savings		(738)	(2s)	_		(738)	(1,604)	(2,342)
Legal		418	(23)			418	(1,004)	418
Accounting		381		_		381	_	381
Conservation Load Management Storm Fund		-		-		-	-	-
		1 000		-		1 000	-	1 000
Economic Development Plan		1,000		-		1,000	-	1,000
Low Income Program		14,905	(2.)	- ((10)		14,905	-	14,905
Incentive Programs		1,000	(2q)	(618)		382	382	764
Natural Gas Vehicles Sub Total - Departmental	\$	225,680	(2r)	\$ (19,267)	\$	492 206,413	\$ 7,655	\$ 214,068
TOTAL	\$	225,680		\$ (19,267)	\$	206,413	\$ 7,655	\$ 214,06

(713,707) \$

28,089,512 \$ 1,826,000 \$

Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 For the Rate Year Ending March 31, 2019 Gas - Federal Income Taxes (Whole Dollars)

€9
€9

NET INCOME BEFORE FEDERAL & STATE INCOME TAXES

Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239

Tax Only Item - Rate Change Tax Only Item - State Year 2000 - (Note 1) Tax Only Item - 3

TOTAL FIT EXPENSE

GAIN ON REDEMPTION BONDS

Other -2 Other - 3

Meals and Entertainment

Flow-through Unamortized Debt Flow-through Bond Redemption

Flow-through Cost of Removal

New York State Income Taxes Flow-through Depreciation

Gas - State Income Taxes For the Rate Year Ending March 31, 2019 (Whole Dollars)

as Adj.  State Taxable Statutory Income Basis S 54,648,027 S 54,648,027 S 54,648,027 S 52,300 S 52,326 S 52,326 S 54,000 S 52,326 S 52,300				State - Gas	as		
Book         @ the           Deferrable         Taxable         Statutory           027         Basis         Income         Rate         Re           035         \$ 54,648,027         \$ 3,552,000         \$ 352,000           -         -         -         -           -         -         -         -           -         -         -         -           -         -         -         -           -         -         -         -           -         -         -         -           -         -         -         -           -         -         -         -           -         -         -         -           -         -         -         -           -         -         -         -           -         -         -         -           -         -         -         -           -         -         -         -           -         -         -         -           -         -         -         -           -         -         -         -	as Adj.						
Deferable   Taxable   Statutory   Deferable   Taxable   Statutory   Deferable   Statutory   Deferable   Statutory   State	State			Book	a the		Net SIT
Basis         Income         Rate         Rc           35         34,648,027         \$ 3,552,000           -         (26,976,035)         (1,753,000)           -         352,326         23,000           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -           -         -         -	Taxable	Deferrable		Taxable	Statutory	DSIT	Before
\$4,648,027 \$ 3,552,000 355) (26,976,035) (1,753,000) 326 352,326 23,000 	Income	Basis		Income	Rate	Reversals	Rev Red
(26,976,035) (1,733,000) 352,326 23,000 	\$ 54,648,027		8	54,648,027	\$ 3,552,000		\$ 3,552,000
352,326 23,000 65,193 4,000	(26,976,035)			(26,976,035)	(1,753,000)		(1,753,000)
65,193 4,000	352,326			352,326	23,000		23,000
65,193 4,000	•				•		•
65,193 4,000							•
	65,193			65,193	4,000		4,000
	•				•		•
. (219,862)	,						'
. (219,862)	•						'
. (493,845)						(219,862)	(219,862)
	,			,	•	(493,845)	
							•

NET INCOME BEFORE FEDERAL & STATE INCOME TAXES

28.089.512

Tax Only Item - Rate Change Tax Only Item - State Year 2000 - (Note 1) Tax Only Item - 3 TOTAL SIT EXPENSE

GAIN ON REDEMPTION BONDS

Other -2 Other - 3

Meals and Entertainment

Flow-through Unamortized Debt Flow-through Bond Redemption

Flow-through Depreciation

Flow-through Cost of Removal

Note 1: \$30.9M = \$25.93M electric and \$4.94M gas Amortized over 10 years = \$2.593M electric per year and \$0.494M gas per year

Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas - Summary of Rate Base For the Rate Year Ending March 31, 2019 (\$000\$)

	CS Rate Mar	C&U Filing Rate Year Ending March 31, 2019	Adj.#	Adj	Staff Adjustments	As Adj Rate Mare	As Adjusted by Staff Rate Year Ending March 31, 2019	Sett Adju	Settlement Adjustments	Joi	Rate Year Joint Proposal
Net Utility Plant	<b>↔</b>	1,629,903	(7a)	8	(12,356)	S	1,617,548	<b>\$</b>	5,092	S	1,622,640
Regulatory Assets / Liabilities		2,035	(4 <i>L</i> )		58		2,093		,		2,093
Accumulated Deferred Income Taxes - Federal		(416,097)	(7c)		1,855		(414,243)		12,894		(401,348)
Accumulated Deferred Income Taxes - State		(57,066)	(p <i>L</i> )		(108)		(57,173)		2,421		(54,752)
Working Capital Materials and supplies		29,467	(7e)		ı		29,467		,		29,467
Prepayments		(2,055)			•		(2,055)		1		(2,055)
O&M Cash Allowance (1/8 O&M exp)		24,693			(1,132)		23,561		1,020		24,581
Supply Cash Allowance (Dec 16 lead/lag study)		16,993			•		16,993		1		16,993
Change in Supply Cash Allowance (13.31% x RY Gas exp)		6,265			,		6,265		1		6,265
subtotal Working Capital		75,363			(1,132)		74,231		1,020		75,251
subtotal avg. before EBCAP adj.		1,234,137			(11,683)		1,222,455		21,427		1,243,882
Excess Earnings Base adjustment		(12,100)			1		(12,100)		1		(12,100)
Total Rate Base	S	1,222,037		S	(11,683)	s	1,210,355	S	21,427	S	1,231,782

Niagara Mohawk Power Corporation d/b/a National Grid PSC Case No 17-E-0238 & 17-G-0239 Gas - Capital Structure For the Rate Year Ending March 31, 2019

Settlement's Capital Structure Forecast  Long Term Debt	Total Annual Avg \$ 628,935	Weighting Percent 51.06%	Cost 4.29%	Weighted Cost 2.19%	P <sub>1</sub>	Pre-Tax Weighted Cost
Customer Deposits Preferred Stock Common Equity	5,942 5,650 591,256	0.48% 0.46% 48.00%	0.35% 3.66% 9.00%	0.00% 0.02% 4.32%		0.00% 0.03% 5.85%
Total	\$ 1,231,782	100.00%		6.53%		8.07%
OTHER REVENUE REQUIREMENT INPUTS Forecast Rate Year Rates to apply to Rev Req					11	
Bad Debt % for Rev Req GRT rate for Rev Req Federal Income Tax rate	2.40% 1.44% 21.00%	2.40443%		Tax Revenue GRT	& & 1	7,983 554,939 .4384997%
NYS Income Tax rate Historic Year EBCAP General Inflation (from 12/31/16 to 3/31/19)	6.50% \$ (4,893) 4.3476%	73.8650%				

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas Adjustments for the Rate Year Ending March 31, 2019 (\$000's)

			Direct		Settlemen	-	ments		Proposa	il
A di 1	Operating Revenues	\$ (10,458)	ount \$	(10.458)	\$ -	mount \$		\$ (10,458)	nount \$	(10,458)
	To move energy efficiency costs into base rates	3 (10,438)		(10,438)		3		3 (10,436)		(10,438)
	<del>-</del>									
	2 Operating and Maintenance Expenses									
(a)	Consultant Expense To normalize executive search firm costs	(11)	\$	(11)	(0)	s	(0)	(11)		(11)
							(.,		_	
	Service Company Rates									
	To impute NMPC rate of return / To impute Company's 9.0% ROE	(238)			86			(152)		
	) To impute a slippage adjustment / To impute Company's IS Forecast Spend Reduction ) To disallow enhanced bill design initative	(1,471)			980			(491) (6)		
	) To remove AMI from rate year	-			_			-		
(5	) To remove distribution projects from rate year	(500)			500			-		
	) To reflect the proper forecast amount of INVP 3882	-			(39)			(39)		
(7	) Flow through impact of Tax Law Change		\$	(2,215)	(231)	\$	1,295	(231)	\$	(920)
(c)	FAS 106 - OPEB									
	) To reflect the proper capitalization rate for fringe benefits	(13)	\$	(13)		S	-	(13)	\$	(13)
(d)	FAS 112 To reflect the proper capitalization rate for fringe benefits	(97)		(07)	97	s	97	(0)		(0)
	To reflect the proper capitalization rate for fininge benefits	(97)	\$	(97)		-	71	(0)		(0)
(e)	Health Care									
	To reflect the proper capitalization rate for fringe benefits	(3)	\$	(3)	(27)	\$	(27)	(30)	S	(30)
(0	0 101									
(f)	Group Life Insurance To reflect the proper capitalization rate for fringe benefits	(10)	\$	(10)	9	\$	9	(1)	\$	(1)
	To reflect the proper capitalization rate for fininge ocheries	(10)	9	(10)		-9		(1)		(1)
(g)	FAS 87 - Pension									
(1	) To reflect the proper capitalization rate for fringe benefits	(14)	\$	(14)		\$	-	(14)	\$	(14)
4.5	Thrift Plan				-					
	Thrift Plan  To remove inflation from the Local 97 and 97C component of thrift plan	(24)			24			_		
	) To reflect the proper capitalization rate for fringe benefits	(7)	\$	(31)	-	\$	24	(7)	\$	(7)
					· <u></u>					
(i)	Workers Comp	(4)	é	(4)				(1)		(4)
	To reflect the proper capitalization rate for fringe benefits	(4)	\$	(4)		3	<u> </u>	(4)	\$	(4)
(j)	Materials- From Inventory									
	To adjust Materials from Inventory to normalize vendor charges	(84)	\$	(84)	21	\$	21	(63)	\$	(63)
d.)	Labor Ferrance									
	Labor Expense ) To remove variable pay from miscellaneous pay	(349)						(349)		
	) To remove variable pay from sales commission employees	(35)			-			(35)		
	) To normalize miscellaneous pay	(18)			-			(18)		
(4	) To limit management wage increase to 3% per year	(174)	\$	(576)	125	\$	125	(49)	\$	(451)
a)	Transportation									
	Transportation ) To remove the Service Company backbilling pertaining to CY15, from the HTY	(48)			48			(0)		
	) To reflect Staff's auction proceeds	(65)	\$	(113)	65	S	113			(0)
(m)	Energy Efficiency To update to Staff's forecast energy efficiency	91	\$	91		\$		91	s	91
	To update to start's forecast energy efficiency			71		3		- 91		91
	Other Initiatives									
	) To remove 4 FTE's from GIOP Increased OPEX Workload	(579)			133			(447)		
	) To remove 32 FTE's from GIOP Opex related to Capex	(813)			297			(516)		
	) To remove 1 FTE from SSP Energy Affordability program ) To reflect the decreased salary for entry-level positions	(32)						(32)		
	) To reflect slippage in hiring incremental FTE's	(785)			(85)			(870)		
	To adjust productivity from 1% to 1.25%	(10)			10			-		
	) To impute an IS slippage adjustment for RTB	(620)			373			(247)		
	) To reduce OPEX and RTB related to AMI ) To reduce OPEX and RTB related to distribution projects	-			-			-		
	) To disallow enhanced bill initiative	(147)			-			(147)		
(11	) To reduce OPEX and RTB related to enhanced bill design initiative	(19)			-			(19)		
	) To disallow outreach and education budget	(136)			-			(136)		
	) To reduce future management audit costs due to amortization	(51)			2.025			(51)		
	) To impute slippage on GBE and Grid Mod OPEX ) To impute a reduction to IS OPEX based on a % of allowed IS Capex	(3,535) (681)			3,025 173			(510) (508)		
	) Staff adjusment to Gas Transmission Engineering-IMP/IVP Inspections (PHMSA)	(660)			660			-		
(17	) Staff`adjustment to I & R- Increase Pipeline Survey	(1,000)			500			(500)		
	) Staff adjustment to CMS-Ipads	(775)			-			(775)		
(19	) Staff adjustment to Elevated Pressure Metering Program Maintenance	(47)			-			(47)		

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas Adjustments for the Rate Year Ending March 31, 2019 (\$000's)

		Direct		Settlemen		stments	Joint Pr		
(20) Staff adjustment to Gas Operations- Tools	(100)	ount	_	A	mount	-	(100)	Junt	
(21) To reflect funding of Damage Prevention-Wrapping Company Vehicles with NRA dollars	(30)						(30)		
(22) To reflect funding of Damage Prevention-GPS location of Tranmission Pipeline with NRA dollars	(1,300)			_			(1,300)		
(22) To reflect funding of Daniage Tevention of 3 location of Traininssion Tipeline with NRA dollars  (23) To reflect funding of Gas Pipeline and Safety Compliance-Train the Trainer with NRA dollars	(74)			-			(74)		
(24) To reflect funding of Gas Pipeline and Safety Compliance-Mobile Hands on Training with NRA dollars	(500)			108			(392)		
(25) To reflect funding of Gas Pipeline and Safety Compliance-Residential Methane Detector Pilot with NRA doll				-			(150)		
(26) Staff adjustment to remove Geothermal project	(1,200)			-			(1,200)		
(27) Staff adjustment to CMS-Gas Inside Service Inspections	(1,855)			1,855			-		
(28) To add 3rd party transactions	0			414			414		
(29) Adjust inflation on GIOP Opex	-			(482)			(482)		
(30) Adjust inflation on IS		\$	(15,147)	65	\$	7,045	65	\$	(8,102)
(o) Productivity Adjustment	-			(2)					
(1) Flow through adjustments tracking labor and payroll tax adjustments (2) To adjust productivity from 1% to 1.5%	7	e	(((2))	(2)		((7	5	6	
(2) To adjust productivity from 1% to 1.5%	(668)	\$	(662)	668	\$	667		\$	5
(p) Uncollectible									
Flow through adjustment related to revenues	(251)	\$	(251)	-	\$	-	(251)	\$	(251)
			<del></del>						
(q) Incentive Programs									
Staff adjustment to Oil-to-Gas Conversion Rebate Program	(618)	\$	(618)	382	\$	382	(236)	\$	(236)
(r) Natural Gas Vehicles									
To reflect Staff adjustment for Natural Gas Vehicles	492		492	\$ (492)	\$	(492)		\$	-
(s) Savings (1) Additional Savings				(1,957)			(1,957)		
(1) Additional Savings (2) Flow through impact of Tax Law Change	-			353		(1,604)	353		(1.604)
(2) Flow ulrough impact of Tax Law Change						(1,004)	333		(1,604)
Total O&M Adjustments		\$	(19,267)		\$	7,655		\$	(11,612)
•			( , , , , , ,		_				,,,,
Adj. 3 Depreciation Expense									
Tracking adjustment to net utility plant	(127)	\$	(127)	40	\$	40	(87)	\$	(87)
Adi. 4 Taxes Other Than Revenue & Income Taxes Payroll Taxes									
Tracking labor adjustments	(4)	\$	(4)	4	\$	4	1	s	1
Tuesding moor adjustments			(.)			<del></del>		Ť	<u> </u>
Total Taxes Other Than Revenue & Income Taxes		\$	(131)		\$	44		\$	(87)
								-	
Adj . 5 Federal Income Tax									
Flow through adjustment related to State Year 2000 adjustment	251	\$	251		\$		251	\$	251
A N. C. C. L. M.									
Adj. 6 State income Tax  To edited to a polyitom, etate appr 2000	710	s	710	(404)	e	(404)	224	s	224
To adjust tax only item - state year 2000	718	3	718	(494)	\$	(494)	224	3	224
Total Income Tax Adjustment		\$	969		\$	(494)		\$	475
Adj. 7 Rate Base									
(a) Net Utility Plant									
To reflect Staff's capital budget modifications	(10,749)	_	(10.000	5,092			(5,657)		(5.5.5)
To reduce capitalized pension and OPEB costs	(1,606)	\$	(12,356)		\$	5,092	(1,606)	\$	(7,263)
() B 1 ( ) ( ) ( ) ( ) ( )									
(b) Regulatory Assets and Liabilities To reflect amortization of future management audit costs over 5 years	58	¢	58		e		58	e	58
10 renect amortization of future management audit costs over 5 years			36		3				38
(c) Accumulated Deferred Income Taxes - Federal									
(1) To adjust ADFIT to reflect Staff's capitalized pension and OPEB Costs	353			(353)			-		
(2) To adjust ADFIT tracking OEGWs plant in service adjustments at a rate of 25%,				()					
per company, allocated between ADFIT and ADSIT	1,522			(242)			1,280		
(3) To adjust ADFIT to reflect amortization of future management audit costs over 5 years	(20)			-			(20)		
(4) Flow-through adjustment related to State Year 2000 adjustment	-			(86)			(86)		
(5) Impact of Tax Law Change		\$	1,855	13,576	\$	12,894	13,576	\$	14,749
(d) Accumulated Deferred Income Taxes - State									
(1) To adjust ADSIT to reflect Staff's capitalized pension and OPEB Costs	48			(48)			-		
(2) To adjust ADSIT tracking OEGWs plant in service adjustments at a rate of 25%,									
per company, allocated between ADFIT and ADSIT	208			(104)			104		
(3) Adjusting Tax Only Item-State Year 2000 (4) To edjust A DELT to reflect amortization of future management audit costs over 5 years	(359)	¢	(100)	2,573	c	2 421	2,214	¢	2 214
(4) To adjust ADFIT to reflect amortization of future management audit costs over 5 years	(4)	\$	(108)		\$	2,421	(4)	\$	2,314
(e) Working Capital									
To adjust working capital	(1,132)	\$	(1,132)	1,020	\$	1,020	(2,152)	\$	(112)
S CONT.		_	· ,,	-,	_	,	(-,)		\ <u>-</u> /
		_			_				
m (ID ( D AII )		-	(11 602)		\$	21,427		S	9,745
Total Rate Base Adjustments		\$	(11,683)		J.	21,427			2,7,7.10

Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas - Taxes Other Than Income Taxes For the Rate Year Ending March 31, 2019 (\$000's)

	C Rate	C&U Filing Rate Year Ending		Staff	Ĥ	Rate Yea	Rate Year As Adjusted	Sett	Settlement	R	Rate Year
Taxes Other Than Revenue and Income Taxes	Mai	March 31, 2019	Adj.#	Adjustments	nents	В	By Staff	Adju	Adjustments	Joint	Joint Proposal
Real Estate Taxes											
Real Property	S	22,966		\$		s	22,966	S	1	S	22,966
Special Franchise		20,106					20,106				20,106
Total Real Estate Taxes		43,072					43,072				43,072
Payroll Taxes		4,310	(4)		(4)		4,306		4		4,310
Other		112			ı		112		ı		112
Total Taxes Other Than Revenue and Income Taxes	8	47,494		S	(4)	÷	47,490	8	4	S	47,494

Case 17-E-0238 17-G-0239 Appendix 1 Schedule2 Page 9 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Sunmary of Depreciation and Amortization Expense
For the Rate Year Ending March 31, 2019
(\$000\$)

	C&U I Rate Year		:	δ.	Staff	Rate Yea	Rate Year As Adjusted	Settlement	ant	<u> </u>	Rate Year
	March 3	31, 2019	Adj.#	Adju	Adjustments		By Staff	Adjustments	suts	IO	Joint Proposal
Depreciation Expense (acct 403)	S	52,660	(3)	8	(127)	89	52,532	89	40	S	52,572
Amortization Expense (acct 404-405)		ı			1		•				
Accretion Expense (acct 411.10)		ı			1		•				•
(Gain) Loss on Disposition of Utility Plant (acct 411.7)		ı					•		1		•
Total Depreciation & Amortization Expense		52,660		8	(127)	\$	52,532	\$	40	8	52,572

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Tax Deduction for Interest Expense
For the Rate Year Ending March 31, 2019
(\$000's)

	Rate Mar	C&U Filing Year Ending trch 31, 2019	Adj	Staff Adjustments	As Ac Rate Ma	As Adjusted by Staff Rate Year Ending March 31, 2019		Settlement Adjustments		Rate Year Joint Proposal
Avg Rate Base Per Books	↔	1,234,137	<del>\$</del>	(11,683)	<del>\$</del>	1,222,455	\$	21,427	\$	1,243,882
Plus: Forecast of Avg Interest Bearing CWIP		ı		,		•				•
Less: Rate Base moved to GAC										
Less: Excess Earnings Adj (EBCAP)		12,100		1		12,100		•		12,100
Rate Base		1,222,037		(11,683)		1,210,355		21,427		1,231,782
Weighted Cost of LTD Debt		2.19%		%00 0		2.19%		%000		2.19%
Weighted Cost of Cust Deposits		0.00%		0.00%		0.00%		0.00%		%00.0
subtotal weighted cost of debt		2.19%		%00.0		2.19%		0.00%		2.19%
Total Income Tax Interest Deduction	€	26,763	<b>↔</b>	(256)	<b>↔</b>	26,507	↔	469	<del>∽</del>	26,976

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Working Capital - Cash Allowance
For the Rate Year Ending March 31, 2019
(\$000's)

Description	C8 Rate N	C&U Filing Rate Year Ending March 31, 2019	S Adju	Staff Adjustments	As Adju Rate Y Marcl	As Adjusted by Staff Rate Year Ending March 31, 2019	S	Settlement Adjustments	of	Rate Year Joint Proposal
Total O&M Expense	<b>∽</b>	225,680	8	(19,267)	€9	206,413	8	7,655	S	214,068
Remove major non-cash items included O&M expense: Bad Debt expense Other (EE & 18A)		(13,492)		(251)		(13,743)		503		(13,240) (14,731)
Subtotal		(38,682)		10,207		(28,475)		503		(27,972)
Add major cash items not included in O&M expense: Other Subtotal		10,549		1 1		10,549				10,549
Total Adjustments		(28,132)		10,207		(17,925)		503		(17,422)
Adjusted O&M Expense	∻	197,547	↔	(9,060)	<del>\$</del>	188,488	S	8,158	↔	196,645
Departmental Cash Allowance - 1/8 (45 days)		24,693		(1,132)		23,561		1,020		24,581
Supply Cost Cash Allowance (3.64% x HY Gas exp)		1		,				1		1

(note: The Supply Cost Allowance is being presented separately, therefore will be removed from the historic Excess Earnings Base Adjustment)

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas - Comparison of Average Historic Rate Base and Capitalization For the Rate Year Ending March 31, 2019 (\$000's)

				Staff			Settlement		
			TOTAL	Adjustments		TOTAL	Adjustments		TOTAL
(A)	AVERAGE RATE BASE - PER BOOKS	\$	1,076,115	-	\$	1,076,115	-	\$	1,076,115
(B)	ADD: Average interest-bearing								
	CWIP		15,851	-		15,851			15,851
(C)	TOTAL EARNINGS BASE (A+B)	_	1,091,966	_		1,091,966	-	_	1,091,966
	Percent	-	18.35%						
(D)	AVERAGE CAPITALIZATION (CE excludes merger Goody	vill, and	d may be adj for TO	I if required):					
. ,	Long Term Debt	,	510,030	1 /		510,030			510,030
	Notes Payable		956			956			956
	Gas Supplier Refunds		74			74			74
	Customer Deposits		5,482			5,482			5,482
	Preferred Stock		5,319			5,319			5,319
	Common Equity (excludes merger GW; incl TCI adj)		606,865			606,865			606,865
(E)	Avg. Allocated to Elec / Gas based on Earnings Base Add dividends declared but unpaid		1,128,726			1,128,726			1,128,726
	representing the timing difference								
	between declaration and payment		-			-			_
(F)	SUBTOTAL (D+E)		1,128,726			1,128,726			1,128,726
	LESS Average Investments in:								
	Detailed balance sheet accounts		(25,132)	-		(25,132)	-		(25,132)
	Accumulated Def Inc Tax Adjustment		56,998	-		56,998	-		56,998
	Goodwill								
(G)	Total Deductions	_	31,867		_	31,867			31,867
(H)	Capitalization Dedicated to Public								
(11)	Service (F-G)		1,096,859			1,096,859			1,096,859
(J)	Excess Earnings Base (Total Earnings Base)	_	1,070,007			1,070,007			1,070,007
(3)	less Average Capitalization Devoted to								
	Service Current Customers) (C-H)	\$	(4,893)		\$	(4,893)		\$	(4,893)
		_							

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Statement of Operating Income
For the Rate Year Ending March 31, 2020
(\$000's)

	Rate Marc	Rate Year Ending March 31, 2019	Adj.#	Adji	Adjustments	Rate	Rate Year Ending March 31, 2020	Base Ir Re	Base Revenue Increase Required	Rate Ms with	Rate Year Ending March 31, 2020 with Base Revenue Requirement
Operating Revenues	S	600,463	(1)	S	(471)	S	599,992	S	5,344	S	605,336
Deductions Purchased Gas Costs Revenue Taxes Total Deductions		178,174 8,638 186,811			(3,600)		174,574 8,671 183,244		77		174,574 8,748 183,321
Gross Margin		787,275			3,096		416,747		5,267		422,014
Total Operation & Maintenance Expenses		215,162	(2)		(3,390)		211,772		128		211,900
Amortization of Regulatory Deferrals		•			ı		•		,		•
Depreciation, Amort. & Loss on Disposition		52,572	(3)		2,591		55,164		,		55,164
Taxes Other Than Revenue & Income Taxes		47,494	(4)		2,323		49,818				49,818
Total Operating Revenue Deductions		315,229			1,524		316,753		128		316,881
Operating Income Before Income Taxes		1,102,503			1,571		99,994		5,139		105,133
Income Taxes Federal Income Taxes State Income Taxes		14,030 3,957	(5)		(3,045)		3,972		1,009		15,086
operating Income After Income Taxes	9	1,98/		8	(4,361)	\$	18,049	8	3,796	S	19,392
Rate Base	s	1,231,782	(7)	~	91,375	S	1,323,158			8	1,323,158
Rate of Return		6.53%					6.19%				6.48%

# Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas - Summary of O&M Expenses For the Rate Year Ending March 31, 2020 (\$000's)

	Rate	nt Proposal Year Ending ch 31, 2019	Adj.#	A	djustments	Rate	nt Proposal Year Ending ch 31, 2020
Operation & Maintenance Expenses:							
Departmental Items:							
Consultants	\$	6,314	(2a)	\$	133	\$	6,446
Contractors		22,527	(2a)		473		23,000
Donations		-			-		-
Employee Expenses		1,425	(2a)		30		1,455
Hardware		60	(2a)		1		61
Software		2,429	(2a)		51		2,480
Other		5,755	(2a)		121		5,876
Rents		992	(2b)		41		1,034
Service Company Rents		8,251	(2c)		2,131		10,382
Construction Reimbursement		195	(2a)		4		200
FAS 106		3,178	(2d)		(1,229)		1,949
FAS 112		70	(2a)		2		72
Health Care		6,588	(2a)		72		6,659
Group Life Insurance		267	(2a)		6		273
Other Benefits		56	(2a)		1		57
Pensions		6,190	(2e)		(4,640)		1,551
Thrift Plan		1,575	(2a)		38		1,613
Workers Comp		645	(2a)		14		659
Materials Outside Vendor		3,164	(2a)		66		3,230
Materials From Inventory		1,269	(2a)		27		1,295
Materials Stores Handling		502	(2a)		11		512
Postage		3,178	(2a)		67		3,245
Total Labor		57,611	(2f)		1,522		59,134
Transportation		4,491	(2g)		11		4,502
Energy Efficiency program		10,549			-		10,549
Clean Energy Fund		4,182	(2h)		44		4,226
Injuries and Damages		2,362	(2a)		50		2,412
Other Initiatives		24,131	(2i)		(1,589)		22,542
Productivity Adjustment		(1,349)	(2j)		(792)		(2,141)
Rate Case Expense		396	(2k)		-		396
Regulatory Assessment Fees		3,875	(21)		81		3,956
Uncollectible Accounts		14,334	(2m)		(18)		14,317
Site Investigation & Remediation Expenses		4,821	(2n)		-		4,821
Vegetation Management		- (2.2.12)	(2.)/((2.)		- (12.4)		(2.476)
Savings		(2,342)	(2a)/((2s)		(134)		(2,476)
Legal		418	(2a)		9		427
Accounting		381	(2a)		8		389
Conservation Load Management		-	(2a)		-		-
Storm Fund		1 000	(2.)		-		-
Economic Development Plan		1,000	(2o)		-		1,000
Low Income Program		14,905	(2p)		-		14,905
Incentive Programs		764	(2q)		-		764
Natural Gas Vehicles Sub Total - Departmental	\$	215,162	(2r)	\$	(3,390)		211,772
-	Ψ.			4			
TOTAL	\$	215,162		\$	(3,390)		211,772

Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239

Gas - Federal Income Taxes For the Rate Year Ending March 31, 2020 (Whole Dollars)

NET INCOME BEFORE FEDERAL & STATE INCOME TAXES

14,077,00	(104,000) \$ 14,077,000	67,526,330 \$ 14,181,000 \$	67,526,330 \$	· ·	67,526,330 \$	9
•						
(104,000)	(104,000)	,			ı	
•						
•						
•					•	
•						
14,000		14,000	65,193		65,193	
1,834,000		1,834,000	8,735,377		8,735,377	
(1,886,000)		(1,886,000)	(8,980,546)		(8,980,546)	
(834,000)		(834,000)	(3,972,293)		(3,972,293)	
(5,946,000)		(5,946,000)	(28,315,574)		(28,315,574)	
20,999,000	\$	20,999,000	99,994,173 \$	\$	99,994,173	8
Rev Red	Reversals	Rate	Income	Basis	Income	
Before	DFIT	Statutory	Taxable	Deferrable	Taxable	
Net FIT		@ the	Book		Federal	

21.00% Niagara Mohawk Power Comoration d/h/a National Grid	PSC Case 17-E-0238 & 17-G-0239	Gas - State Income Taxes	For the Rate Year Ending March 31, 2020	(Whole Dollars)
------------------------------------------------------------	--------------------------------	--------------------------	-----------------------------------------	-----------------

Tax Only Item - Rate Change Tax Only Item - State Year 2000 - (Note 1) Tax Only Item - 3

TOTAL FIT EXPENSE

Meals and Entertainment GAIN ON REDEMPTION BONDS

Other -2

Flow-through Unamortized Debt Flow-through Bond Redemption

Flow-through Cost of Removal New York State Income Taxes Flow-through Depreciation

				State - Gas			
6	State Taxable December	Deferrable <u>Basis</u>	6	Book Taxable Income	$\widehat{a}$ the Statutory $\frac{Rate}{\epsilon \cos \alpha}$	DSIT <u>Reversals</u>	Net SIT Before Rev Reg
9	(28,315,574)		9	(28,315,574)	(1,841,000)	9	(1,841,000)
	352,326			352,326	23,000		23,000
	65,193			65,193	4,000		4,000
						(219.862)	- (219.862)
	ı				,	(493,845)	(493,845)
↔	72,096,118 \$		\$	72,096,118 \$	4,686,000 \$	(713,707) \$	3,972,293

NET INCOME BEFORE FEDERAL & STATE INCOME TAXES

Tax Only Item - Rate Change Tax Only Item - State Year 2000 - (Note 1) Tax Only Item - 3

TOTAL SIT EXPENSE

Meals and Entertainment GAIN ON REDEMPTION BONDS

Other -2

Flow-through Depreciation Flow-through Unamortized Debt Flow-through Bond Redemption

Flow-through Cost of Removal

Case 17-E-0238 17-G-0239
Appendix 1
Schedule2
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Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239
Gas - Summary of Rate Base
For the Rate Year Ending March 31, 2020
(\$000's)

	Joint Proposal Rate Year Ending March 31, 2019	oposal Ending 1, 2019	Adj.#	Adjus	Adjustments	Join Rate Y Marc	Joint Proposal Rate Year Ending March 31, 2020
Net Utility Plant	€9	1,622,640	(7a)	<b>∽</b>	107,443	<del>\$</del>	1,730,082
Regulatory Assets / Liabilities		2,092.600	(7b)		(912)		1,180.800
Accumulated Deferred Income Taxes - Federal		(401,348)	(7c)		(9,396)		(410,744)
Accumulated Deferred Income Taxes - State		(54,752)	(p/)		(5,430)		(60,182)
Working Capital Materials and supplies Prepayments O&M Cash Allowance (1/8 O&M exp) Supply Cash Allowance (Dec 16 lead/lag study) Change in Supply Cash Allowance (7.76% x RY Gas exp) subtotal Working Capital subtotal avg. before EBCAP adj.		29,467 (2,055) 24,581 16,993 6,265 75,251 1,243,882	(7e)		619 (43) (427) - (479) (330)		30,086 (2,098) 24,154 16,993 5,785 74,920 1,335,257
Total Rate Base	∽	1,231,782		S	91,375	S	1,323,158

Niagara Mohawk Power Corporation d/b/a National Grid PSC Case No. 17-G-0239
Gas - Capital Structure
For the Rate Year Ending March 31, 2020

Total Annual Avg Long Term Debt \$ 675,590	Annu	Weighting		W. inhtod	<b>1</b>	re-1ax
S		רפונפווו	Cost	w eignied Cost	≱	Weighted Cost
	6 383	51.06%	4.19%	2.14%		2.14%
	690'9	0.46%	3.66%	0.02%		0.03%
	635,116	48.00%	%00.6	4.32%		5.85%
Total \$ 1,323,158	\$ 1,323,158	100.00%		6.48%		8.02%
OTHER REVENUE REQUIREMENT INPUTS						
to apply to Rev Req				Į.	•	į
ba	2.40%	2.40443%		Tax	S	8,671
GRT rate for Rev Req	1.45%			Revenue	S	599,992
Federal Income Tax rate 21.00%	21.00%			GRT		1.4451359%
NYS Income Tax rate 6.50%	6.50%	73.8650%				
Historic Year EBCAP \$ (4,893)						
General Inflation (from 12/31/16 to 3/31/19) 4.3476%	4.3476%					

## Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas Adjustments for the Rate Year Ending March 31, 2020 (\$000's)

			ustments			ount	
(a)	Operating Revenues To relect RY20 sales forecast	\$ (471)	\$	(471)	\$ (471)	\$	(47
(b)	Purchased Gas Costs	(3,600)	\$	(3,600)	(3,600)	\$	(3,60
(c)	Revenue Taxes	33	\$	33	33	\$	3
Adj. 2	Operating and Maintenance Expenses						
(a)	To reflect increase in expense due to inflation	1,024	\$	1,024	1,024		1,02
(b)	Rents To reflect specific RY20 forecast and general inflation	41	\$	41	41	\$	۷
(c)	Service Company Rates						
	To reflect RY20 forecast Flow through impact of Tax Law Change	2,355 (224)	\$	2,131	2,355 (224)	\$	2,13
(d)	FAS 106 - OPEB						
	Actuarial Reports for RY1-3	(1,229)	\$	(1,229)	(1,229)	\$	(1,22
(e)	FAS 87 - Pension Actuarial Reports for RY1-3	(4,640)	\$	(4,640)	(4,640)	\$	(4,64
(f)	Labor Expense To reflect increase in salaries and wages by labor inflation factor	1,522	\$	1,522	1,522	\$	1,52
(a)	Transportation		-	,-			,-
(g)	To reflect RY20 forecast and general inflation	11	\$	11	11		:
(h)	Clean Energy Fund To reflect RY20 forecast	44	\$	44	44	\$	
(i)	Other Initiatives To include 2 FTE's for GIOP Opex related to Capex To reflect RY20 forecast and general inflation	45	\$	(1,589)	45	\$	(1.5)
(2)	·	(1,634)	<u>.</u>	(1,389)	(1,634)	3	(1,5
(j)	Productivity Adjustment Flow through adjustment related to labor adjustment	(792)	\$	(792)	(792)	\$	(7
(k)	Rate Case Expense		\$	-		\$	-
(1)	Regulatory Assessment Fees To reflect RY20 forecast and general inflation	81	\$	81	81	\$	
(m)	Uncollectible To reflect increase associated with change in revenue	(18)	\$	(18)	(18)	\$	(
(n)	Site Investigation and Remediation To reflect RY 20 forecast		\$			\$	
(o)	Economic Development Plan						
	To reflect RY 20 forecast	-	\$	-	-	\$	
(p)	Low Income Program To reflect RY 20 forecast		\$			\$	_
(q)	Incentive Programs To reflect RY 20 forecast		\$			\$	_
(r)	Natural Gas Vehicles To reflect RY20 forecast		\$			\$	-
(s)	Savings Flow through impact of Tax Law Change	23	\$	23	23	\$	
	Total O&M Adjustments		\$	(3,390)		\$	(3,39

## Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas Adjustments for the Rate Year Ending March 31, 2020 (\$000's)

	<u>-</u>	Adj	ustments	_	Am	ount	
Adj. 3	B Depreciation Expense To reflect RY20 forecast associated with Net Utility Plant	2,591	\$	2,591	2,591	\$	2,591
<u>Adj. 4</u>	Taxes Other Than Revenue & Income Taxes						
(a)	Payroll Taxes Flow through adjustment related to labor adjustment	82	\$	82	82	\$	82
(b)	Real Estate Taxes To reflect RY20 Forecast	1,194	\$	1,194	1,194	\$	1,194
(c)	Special Franchise To reflect RY20 Forecast	1,045	\$	1,045	1,045	s	1,045
(d)	Other Taxes	2	\$	2	2	\$	2
	Total Taxes Other Than Revenue & Income Taxes		\$	2,323		\$	2,323
-	5 Federal Income Tax	(2.455)			(2.455)		
(a) (b)	Flow through calculation Impact of Tax Law change	(3,177)	\$	(3,045)	(3,177)	\$	(3,045)
Adi. 6	6 State income Tax	(1,336)			(1,336)		
(a)	Flow through calculation	20	\$	(1,316)	20	\$	(1,316)
(b)	Flow through impact of Tax Law change						
	Total Income Tax Adjustment		\$	(4,361)		\$	(4,361)
Adj. 7	Rate Base						
(a)	Net Utility Plant						
	To reflect RY 20 plant forecast	107,443	\$	107,443	107,443	\$	107,443
(b)	Regulatory Assets and Liabilities						
	To reflect RY20 forecast	(912)	\$	(912)	(912)	\$	(912)
(c)	Accumulated Deferred Income Taxes - Federal						
(1	) To reflect RY20 forecast increase (includes flow through)	(25,060)					
(2	) Impact of Tax Law Change	15,664	\$	(9,396)	15,664	\$	(9,396)
(d)	Accumulated Deferred Income Taxes - State						
(1	) To reflect RY20 forecast increase (includes flow through)	(5,430)	\$	(5,430)	(5,430)	\$	(5,430)
(e)	Working Capital						
	To reflect increase in Materials due to inflations	619			619		
(2	) To reflect increase in Prepayments due to inflation	(43)			(43)		
	) To reflect increase in O&M Cash Allowance based on changes in expense le	(427)			(427)		
(4	) To relect increase in Supply Cash Allowance	(479)	\$	(330)	(479)	\$	(330)
	Total Rate Base Adjustments		\$	91,375		\$	91,375
	Total Rate Dase Aujustinents		Ф	71,373		Þ	91,3/3

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Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Taxes Other Than Income Taxes
For the Rate Year Ending March 31, 2020
(\$000's)

	Joint Proposal Rate Year Ending	oosal Inding				Joint Rate Y	Joint Proposal Rate Year Ending
Taxes Other Than Revenue and Income Taxes	March 31, 2019	2019	Adj.#	Adju	Adjustments	Marc	March 31, 2020
Real Estate Taxes							
Real Property	\$	22,966	(4b)	∽	1,194	∽	24,160
Special Franchise		20,106	(4c)		1,045		21,151
Total Real Estate Taxes		43,072			2,239		45,311
Payroll Taxes		4,310	(4a)		82		4,392
Other		112	(4d)		2		114.63
Total Taxes Other Than Revenue and Income Taxes	\$	47,494		~	2,323	~	49,818

Case 17-E-0238 17-G-0239 Appendix 1 Schedule2 Page 21 of 36

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Summary of Depreciation and Amortization Expense
For the Rate Year Ending March 31, 2020
(\$000's)

	Joint F Rate Yea March	Joint Proposal Rate Year Ending March 31, 2019	Adj.#	Aď	Adjustments	Joi Rate Mar	Joint Proposal Rate Year Ending March 31, 2020
Depreciation Expense (acct 403)	€	52,572	(3)	<b>∻</b>	2,591	↔	55,164
Amortization Expense (acct 404-405)					ı		ı
Accretion Expense (acct 411.10)					1		ı
(Gain) Loss on Disposition of Utility Plant (acct 411.7)					ı		ı
Total Depreciation & Amortization Expense	↔	52,572		S	2,591	S	55,164

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Tax Deduction for Interest Expense
For the Rate Year Ending March 31, 2020
(\$000's)

	Joi Rate Mai	Joint Proposal Rate Year Ending March 31, 2019	Aď	Adjustments	Jo Rate	Joint Proposal Rate Year Ending March 31, 2020
Avg Rate Base Per Books Plus: Forecast of Avg Interest Bearing CWIP Less: Rate Base moved to GAC Less: Excess Earnings Adj (EBCAP) Rate Base	∞	1,243,882 - - 12,100 1,231,782	8	91,375	€	1,335,257
Weighted Cost of LTD Debt Weighted Cost of Cust Deposits subtotal weighted cost of debt		2.14% 0.00% 2.14%		0.00% 0.00% 0.00%		2.14% 0.00% 2.14%
Total Income Tax Interest Deduction	↔	26,360	\$	1,340	\$	28,316

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Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Working Capital - Cash Allowance
For the Rate Year Ending March 31, 2020
(\$000's)

Description	Joint Proposal Rate Year Ending March 31, 2019	oposal Ending 1, 2019	Adjustments	nents	Joint Proposal Rate Year Ending March 31, 2020	Joint Proposal tate Year Ending March 31, 2020
Total O&M Expense	↔	214,068	€	(2,296)	S	211,772
Remove major non-cash items included O&M expense : Bad Debt expense Other (EE & 18A) Subtotal		(13,240) (14,731) (27,972)	٠	(1,076) (44) (1,120)	∞	(14,317) (14,775) (29,092)
Add major cash items not included in O&M expense: Other Subtotal		10,549				10,549
Total Adjustments		(17,422)		(1,120)		(18,543)
Adjusted O&M Expense	↔	196,645		(3,416)		193,229
Departmental Cash Allowance - 1/8 (45 days)		24,581		(427)		24,154
Supply Cost Cash Allowance (3.64% x HY Gas exp)		1				1

(note: The Supply Cost Allowance is being presented separately, therefore will be removed from the historic Excess Earnings Base Adjustment)

# Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239

# Gas - Comparison of Average Historic Rate Base and Capitalization For the Rate Year Ending March 31, 2020 (\$000's)

		TOTAL	Staff Adjustments	TOTAL	Settlement Adjustments	TOTAL
(A)	AVERAGE RATE BASE - PER BOOKS	\$ 1,076,115	-	\$ 1,076,115	-	\$ 1,076,115
(B)	ADD: Average interest-bearing					
	CWIP	15,851	-	15,851	-	15,851
(C)	TOTAL EARNINGS BASE (A+B)	1,091,966		1,091,966	_	1,091,966
	Percent	18.35%				
(D)	AVERAGE CAPITALIZATION (CE excludes merger	Goodwill, and ma	y be adj for TCI if	required):		
	Long Term Debt	510,030		510,030		510,030
	Notes Payable	956		956		956
	Gas Supplier Refunds	74		74		74
	Customer Deposits	5,482		5,482		5,482
	Preferred Stock	5,319		5,319		5,319
	Common Equity (excludes merger GW; incl TCI adj)	606,865		606,865		606,865
(E)	Avg. Allocated to Elec / Gas based on Earnings Base Add dividends declared but unpaid representing the timing difference	1,128,726		1,128,726		1,128,726
	between declaration and payment	-	-	-	_	-
(F)	SUBTOTAL (D+E)	1,128,726		1,128,726		1,128,726
	LESS Average Investments in:					
	Detailed balance sheet accounts	(25,132)	-	(25,132)	-	(25,132)
	Accumulated Def Inc Tax Adjustment	56,998	-	56,998	-	56,998
	Goodwill					
(G)	Total Deductions	31,867		31,867		31,867
(H)	Capitalization Dedicated to Public Service (F-G)	1,096,859		1,096,859		1,096,859
(J)	Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to					
	Service Current Customers) (C-H)	\$ (4,893)		\$ (4,893)		\$ (4,893)

Case 17-E-0238 17-G-0239
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Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Statement of Operating Income
For the Rate Year Ending March 31, 2021
(\$000's)

				9	(e 000e)					
	Rate Yes March	Rate Year Ending March 31, 2020	Adj. #	Adju	Adjustments	Rate Year Ending March 31, 2021		Base Revenue Increase Required	Rate Ma with	Rate Year Ending March 31, 2021 with Base Revenue Requirement
Operating Revenues	S	605,336	(1)	8	5,551	\$ 610,887	87 8	9,951	8	620,838
Deductions Purchased Gas Costs Revenue Taxes Total Deductions		174,574 8,748 183,321			2,347 71 2,418	176,920 8,818 185,739	20	144		176,920 8,962 185,883
Gross Margin		788,657			3,134	425,148	84	9,807		434,955
Total Operation & Maintenance Expenses		211,900	(2)		(1,016)	210,884	48	239		211,123
Amortization of Regulatory Deferrals		0				•		ı		1
Depreciation, Amort. & Loss on Disposition		55,164	(3)		2,935	58,098.52	52	ı		58,099
Taxes Other Than Revenue & Income Taxes		49,818	(4)		2,505	52,322.16	91			52,322
Total Operating Revenue Deductions		316,881			4,423	321,304	46	239		321,543
Operating Income Before Income Taxes		1,105,538			(1,289)	103,844	44	9,568		113,412
Income Taxes Federal Income Taxes State Income Taxes Total Income Taxes		15,086 4,306 19,392	(5)		(626) (207) (833)	14,460 4,099 18,559	99	1,879 622 2,501		16,339 4,721 21,060
Operating Income After Income Taxes	S	1,124,930		S	(456)	\$ 85,285	\$5 85	7,067	8	92,352
Rate Base	S	1,323,158	(7)	S	108,653	\$ 1,431,811	=		S	1,431,811
Rate of Return		6.48%				5.96%	9%			6.45%

# Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas - Summary of O&M Expenses For the Rate Year Ending March 31, 2021 (\$000's)

	Year Ending ech 31, 2020	Adj.#	A	djustments	Rate	int Proposal Year Ending rch 31, 2021
Operation & Maintenance Expenses:						
Departmental Items:						
Consultants	\$ 6,446	(2a)	\$	135	\$	6,582
Contractors	23,000	(2a)		483		23,483
Donations	-			-		-
Employee Expenses	1,455	(2a)		31		1,486
Hardware	61	(2a)		1		62
Software	2,480	(2a)		52		2,532
Other	5,876	(2a)		124		6,000
Rents	1,034	(2b)		46		1,080
Service Company Rents	10,382	(2c)		2,399		12,781
Construction Reimbursement	200	(2a)		4		204
FAS 106	1,949	(2d)		(1,717)		232
FAS 112	72	(2a)		2		73
Health Care	6,659	(2a)		(16)		6,643
Group Life Insurance	273	(2a)		6		279
Other Benefits	57	(2a)		1		59
Pensions	1,551	(2e)		(1,551)		-
Thrift Plan	1,613	(2a)		39		1,652
Workers Comp	659	(2a)		14		673
Materials Outside Vendor	3,230	(2a)		68		3,298
Materials From Inventory	1,295	(2a)		27		1,323
Materials Stores Handling	512	(2a)		11		523
Postage	3,245	(2a)		68		3,313
Total Labor	59,134	(2f)		1,545		60,679
Transportation	4,502	(2g)		(24)		4,478
Energy Efficiency program	10,549			-		10,549
Clean Energy Fund	4,226	(2h)		111		4,337
Injuries and Damages	2,412	(2a)		51		2,462
Other Initiatives	22,542	(2i)		(2,174)		20,368
Productivity Adjustment	(2,141)	(2j)		(822)		(2,963)
Rate Case Expense	396	(2k)		-		396
Regulatory Assessment Fees	3,956	(21)		83		4,039
Uncollectible Accounts	14,445	(2m)		127		14,572
Site Investigation & Remediation Expenses	4,821	(2n)		-		4,821
Vegetation Management	-			-		-
Savings	(2,476)	(2a)		(157)		(2,633)
Legal	427	(2a)		9		436
Accounting	389	(2a)		8		397
Conservation Load Management	-	(2a)		-		-
Storm Fund	-			-		-
Economic Development Plan	1,000	(2o)		-		1,000
Low Income Program	14,905	(2p)		-		14,905
Incentive Programs	764	(2q)		-		764
Natural Gas Vehicles	-	(2r)		-		-
Sub Total - Departmental	\$ 211,900	• •	\$	(1,016)	\$	210,884
TOTAL	\$ 211,900		\$	(1,016)	\$	210,884

Niagara Mohawk Power Corporation d'b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas - Federal Income Taxes
For the Rate Year Ending March 31, 2021
(Whole Dollars)

_			Feder	Federal - Gas			
↔	Federal Taxable <u>Income</u> 103,843,917	Deferrable <u>Basis</u>	Book Taxable Income \$ 103,843,917 \$		@ the Statutory Rate 21,807,000	DFIT <u>Reversals</u>	Net FIT  Before  Rev Reg  \$ 21,807,000
	(30,211,213)		(30,211,213)	3)	(6,344,000)		(6,344,000)
	(4,099,293)		(4,099,293)	3)	(861,000)		(861,000)
	(8,980,546)		(8,980,546)	9	(1,886,000)		(1,886,000)
	8,735,377		8,735,377	7	1,834,000		1,834,000
			•				•
			•				'
	65,193		65,193	3	14,000		14,000
			•				•
			•				•
			•				•
			•		,		'
	•		•			(104,000)	(104,000)
8	69,353,435 \$		. 69,353,43	\$	- 69,353,435 \$ 14,564,000 \$		- (104,000) \$ 14,460,000

NET INCOME BEFORE FEDERAL & STATE INCOME TAXES

Tax Only Item - Rate Change
Tax Only Item - State Year 2000 - (Note 1)
Tax Only Item - 3
TOTAL FIT EXPENSE

Meals and Entertainment GAIN ON REDEMPTION BONDS

Other -2 Other - 3

Flow-through Unamortized Debt Flow-through Bond Redemption

New York State Income Taxes Flow-through Cost of Removal Flow-through Depreciation Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239

Gas - State Income Taxes	For the Rate Year Ending March 31, 2021	(Whole Dollars)
--------------------------	-----------------------------------------	-----------------

		Book	@ the			Net SIT
Deferrable F.		Taxable	Statutory	DSIT		Before
Basis	S	Income 103,843,917	<u>Rate</u> \$ 6,750,000	Keversals	s	Kev Keg 6,750,000
		(30,211,213)	(1,964,000)			(1,964,000)
		352,326	23,000			23,000
			•			
		65,193	4,000			4,000
		,	•			•
		•	•			•
		•	•			,
		,	,	(219,862)	(862)	(219,862)
		•	ı	(493,	(493,845)	(493,845)
			-			-
	S	74,050,223 \$	\$ 4,813,000	\$	(713,707) \$	4,099,293

NET INCOME BEFORE FEDERAL & STATE INCOME TAXES

Note 1: \$30.9M = \$25.93M electric and \$4.94M gas Amortized over 10 years = \$2.593M electric per year and \$0.494M gas per year

Tax Only Item - Rate Change Tax Only Item - State Year 2000 - (Note 1) Tax Only Item - 3 TOTAL SIT EXPENSE

GAIN ON REDEMPTION BONDS

Other - 3

Other -2

Meals and Entertainment

Flow-through Unamortized Debt Flow-through Bond Redemption

Flow-through Depreciation

Flow-through Cost of Removal

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Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Summary of Rate Base
For the Rate Year Ending March 31, 2021
(\$000's)

	Joint P Rate Yea March	Joint Proposal Rate Year Ending March 31, 2020	Adj.#	Adju	Adjustments	Join: Rate Y Marc	Joint Proposal Rate Year Ending March 31, 2021
Net Utility Plant	↔	1,730,082	(7a)	<del>∞</del>	125,992	↔	1,856,075
Regulatory Assets / Liabilities		1,181	(7b)		(603)		578
Accumulated Deferred Income Taxes - Federal		(410,744)	(7c)		(10,906)		(421,651)
Accumulated Deferred Income Taxes - State		(60,182)	(p <i>L</i> )		(6,572)		(66,754)
Working Capital Materials and supplies		30,086	(7e)		632		30,718
Prepayments		(2,098)			(44)		(2,142)
O&M Cash Allowance (1/8 O&M exp)		24,154			(157)		23,997
Supply Cash Allowance (Dec 16 lead/lag study)		16,993			ı		16,993
Change in Supply Cash Allowance (7.76% x RY Gas exp)		5,785			312		860'9
subtotal Working Capital		74,920			743		75,663
subtotal avg. before EBCAP adj.		1,335,257			108,653		1,443,911
Excess Earnings Base adjustment		(12,100)			1		(12,100)
Total Rate Base	↔	1,323,158		8	108,653	<del>\$</del>	1,431,811

Niagara Mohawk Power Corporation d/b/a National Grid PSC Case No. 17-G-0239 Gas - Capital Structure For the Rate Year Ending March 31, 2021

Joint Proposal Capital Structure Forecast						
						Pre-Tax
		Total	Weighting		Weighted	Weighted
	An	nual Avg	Percent	Cost	Cost	Cost
Long Term Debt	S	731,068	51.06%	4.13%	2.11%	2.11%
Customer Deposits		6,907	0.48%	0.35%	0.00%	0.00%
Preferred Stock		6,567	0.46%	3.66%	0.02%	0.03%
Common Equity		687,269	48.00%	%00.6	4.32%	5.85%
Total	€	\$ 1,431,811	100.00%		6.45%	7,99%

OTHER REVENUE REQUIREMENT INPUTS						
Forecast Rate Year Rates to apply to Rev Req						
Bad Debt % for Rev Req		2.40%	2.40443%	Tax	S	8,818
GRT rate for Rev Req		1.44%		Revenue	S	610,887
Federal Income Tax rate		21.00%		GRT		1.4435560%
NYS Income Tax rate		6.50%	73.8650%			
Historic Year EBCAP	S	(4,893)				
General Inflation (from 12/31/16 to 3/31/19)		4.3476%				

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas Adjustments for the Rate Year Ending March 31, 2021 (\$000's)

		Adu	justments		Δm	ount	
<u>Adj. 1</u>	Operating Revenues	\$ 5,551	\$	5,551	\$ 5,551	\$	5,551
(a)	To relect RY21 sales forecast						
(b)	Purchased Gas Costs	2,347	\$	2,347	2,347	\$	2,347
(c)	Revenue Taxes	71	\$	71	71	\$	71
Adi. 2	Operating and Maintenance Expenses						
(a)	Various Expenses						
	To reflect increase in expense due to inflation	933	\$	933	933		933
(b)	Rents						
(-)	To reflect specific RY21 forecast and general inflation	52	\$	52	52	\$	52
(a)	Service Company Rates						
(c) (1)	To reflect RY 21 forecast	2,583			2,583		
	Flow through impact of Tax Law Change	(184)	\$	2,399	(184)	\$	2,399
					· · · · · · · · · · · · · · · · · · ·		
(d)	FAS 106 - OPEB Activarial Paragrafa for RV1 2	(1.717)	•	(1.717)	(1.717)	e	(1.717)
	Actuarial Reports for RY1-3	(1,717)	\$	(1,717)	(1,717)	\$	(1,717)
(e)	FAS 87 - Pension						
	Actuarial Reports for RY1-3	(1,551)	\$	(1,551)	(1,551)	\$	(1,551)
(f)	Labor Expense						
(1)	To reflect increase in salaries and wages by labor inflation factor	1,545	\$	1,545	1,545	\$	1,545
			<u></u>			-	
(g)	Transportation To reflect RY21 forecast and general inflation	(24)	e	(24)	(24)		(24)
	To renect K121 forecast and general infration	(24)	\$	(24)	(24)		(24)
(h)	Clean Energy Fund						
	To reflect RY21 forecast	111	\$	111	111	\$	111
(i)	Other Initiatives						
(-)	To include 2 FTE's for GIOP Opex related to Capex	45			45		
	To reflect RY21 forecast and general inflation	(2,220)	\$	(2,174)	(2,220)	\$	(2,174)
(i)	Productivity Adjustment						
(j)	Flow through adjustment related to labor adjustment	(822)	\$	(822)	(822)	\$	(822)
			-				
(k)	Rate Case Expense		\$	<del>-</del>	-	\$	
(1)	Regulatory Assessment Fees						
	To reflect RY21 forecast and general inflation	83	\$	83	83	\$	83
(m)	Uncollectible						
( )	To reflect increase associated with change in revenue	127	\$	127	127	\$	127
( )							
(n)	Site Investigation and Remidiation To reflect RY21 forecast	-	\$	_	_	\$	_
(o)	Economic Development Plan						
	To reflect RY21 forecast	\$ -	\$			\$	
(p)	Incentive Programs						
	To reflect RY21 forecast		\$	-		\$	-
(a)	Natural Gas Vehicles						
(q)	To reflect RY21 forecast	\$ -	\$	-	-	\$	-
(s)	Savings  Flow through impact of Toy Low Change	e 21	c	21	21	¢	21
	Flow through impact of Tax Law Change	\$ 21	\$	21	21	\$	21
	Total O&M Adjustments		\$	(1,016)		\$	(1,016)

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas Adjustments for the Rate Year Ending March 31, 2021 (\$000's)

		Aduj	justment	s	Am	ount	
Adj. 3	Depreciation Expense To reflect RY21 forecast associated with Net Utility Plant	2,935	\$	2,935	2,935	\$	2,935
	Taxes Other Than Revenue & Income Taxes						
(a)	Payroll Taxes Flow through adjustment related to labor adjustment	82	\$	82	82	\$	82
(b)	Real Estate Taxes To reflect RY21 Forecast	1,290	\$	1,290	1,290	\$	1,290
(c)	Special Franchise To reflect RY21 Forecast	1,129	\$	1,129	1,129	\$	1,129
(d)	Other Taxes	2	\$	2	2	\$	2
	Total Taxes Other Than Revenue & Income Taxes		\$	2,505		\$	2,505
Adj.5	Federal Income Tax Flow through calculation Impact of Tax Law change	(977)	\$	(626)	(977) 351	\$	(626)
<u>Adj. 6</u>	State income Tax Flow through calculation Flow through impact of Tax Law change	(194) (13)	\$	(207)	(194) (13)	\$	(207)
	Total Income Tax Adjustment		\$	(833)		\$	(833)
	Rate Base						
(a)	Net Utility Plant To reflect RY21 plant forecast	125,992	\$	125,992	125,992	\$	125,992
(b)	Regulatory Assets and Liabilities To reflect RY21 forecast	(603)	\$	(603)	(603)	\$	(603)
(1)	Accumulated Deferred Income Taxes - Federal To reflect RY21 forecast increase (includes flow through) Impact of Tax Law Change	(21,144) 10,238	\$	(10,906)	(21,144) 10,238	\$	(10,906)
. ,	Accumulated Deferred Income Taxes - State To reflect RY21 forecast increase (includes flow through)	(6,572)	\$	(6,572)	(6,572)	\$	(6,572)
(1)	Working Capital To reflect increase in Materials due to inflations To reflect increase in Prepayments due to inflation	632 (44)			(632) 44		
	To reflect increase in O&M Cash Allowance based on changes in expense levels and flow through impact of tax law change To relect increase in Supply Cash Allowance	(157)	\$	743	157 (312)	\$	743
	Total Rate Base Adjustments		\$	108,653		\$	108,653

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Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239
Gas - Taxes Other Than Income Taxes
For the Rate Year Ending March 31, 2021
(\$000's)

	Joint Proposal Rate Year Ending	posal Ending				Joint Rate Y	Joint Proposal Rate Year Ending
Taxes Other Than Revenue and Income Taxes	March 31, 2020	2020	Adj.#	Adju	Adjustments	March	March 31, 2021
Real Estate Taxes							
Real Property	\$	24,160	(4a)	S	1,290	∽	25,450
Special Franchise		21,151	(4c)		1,129		22,280
Total Real Estate Taxes		45,311			2,420		47,730
Payroll Taxes		4,392	(4a)		82		4,475
Other		115	(4d)		2		117.04
Total Taxes Other Than Revenue and Income Taxes	\$	49,818		\$	2,505	8	52,322

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Summary of Depreciation and Amortization Expense
For the Rate Year Ending March 31, 2021
(\$000's)

	Joint P Rate Yea March	Joint Proposal Rate Year Ending March 31, 2020	Adj.#	Ad	Adjustments	Join Rate N	Joint Proposal Rate Year Ending March 31, 2021
Depreciation Expense (acct 403)	↔	55,164	(3)	<del>\$</del>	2,935	€	58,099
Amortization Expense (acct 404-405)		ı			ı		1
Accretion Expense (acct 411.10)		ı			ı		1
(Gain) Loss on Disposition of Utility Plant (acct 411.7)		1			ı		ı
Total Depreciation & Amortization Expense		55,164		<del>∞</del>	2,935	\$	58,099

Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas - Tax Deduction for Interest Expense For the Rate Year Ending March 31, 2021 (\$000's)

	Join Rate Mar	Joint Proposal Rate Year Ending March 31, 2020	Ad	Adjustments	Joi Rate Ma	Joint Proposal Rate Year Ending March 31, 2021
Avg Rate Base Per Books Plus: Forecast of Avg Interest Bearing CWIP Less: Rate Base moved to GAC Less: Excess Earnings Adj (EBCAP) Rate Base	↔	1,335,257 - 12,100 1,323,158	€	108,653	€	1,443,911 12,100 1,431,811
Weighted Cost of LTD Debt Weighted Cost of Cust Deposits subtotal weighted cost of debt		2.11% 0.00% 2.11%		-0.08% 0.00% -0.08%		2.11% 0.00% 2.11%
Total Income Tax Interest Deduction	<b>↔</b>	27,919	8	1,234	8	30,211

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Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas - Working Capital - Cash Allowance
For the Rate Year Ending March 31, 2021
(\$000's)

Description	Joint Proposal Rate Year Ending March 31, 2020	oposal Ending 1, 2020	Adjustments	ents	Joint Proposal Rate Year Ending March 31, 2021	osal nding 2021
Total O&M Expense	↔	211,900	\$	(1,016)	<del>\$</del>	210,884
Remove major non-cash items included O&M expense : Bad Debt expense Other (EE & 18A) Subtotal		(14,445) (14,775) (29,220)		(127) (111) (238)		(14,872) (14,886) (29,458)
Add major cash items not included in O&M expense: Other Subtotal		10,549				10,549
Total Adjustments		(18,671)		(238)		(18,909)
Adjusted O&M Expense	8	193,229	S	(1,254)	8	191,975
Departmental Cash Allowance - 1/8 (45 days)		24,154		(157)		23,997
Supply Cost Cash Allowance (13.31% x HY Gas exp)						

(note: The Supply Cost Allowance is being presented separately, therefore will be removed from the historic Excess Earnings Base Adjustment)

### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas - Comparison of Average Historic Rate Base and Capitalization For the Rate Year Ending March 31, 2021 (\$000's)

		TOTAL	Staff Adjustments	TOTAL	Settlement Adjustments	TOTAL
(A)	AVERAGE RATE BASE - PER BOOKS	\$ 1,076,115	-	\$ 1,076,115	-	\$ 1,076,115
(B)	ADD: Average interest-bearing					
	CWIP	15,851		15,851		15,851
(C)	TOTAL EARNINGS BASE (A+B)	1,091,966		1,091,966		1,091,966
	Percent	18.35%				
(D)	AVERAGE CAPITALIZATION (CE excludes merge	er Goodwill, and m	ay be adj for TCI i	f required):		
	Long Term Debt	510,030		510,030		510,030
	Notes Payable	956		956		956
	Gas Supplier Refunds	74		74		74
	Customer Deposits	5,482		5,482		5,482
	Preferred Stock	5,319		5,319		5,319
	Common Equity (excludes merger GW; incl TCI adj)	606,865		606,865		606,865
(E)	Avg. Allocated to Elec / Gas based on Earnings Base Add dividends declared but unpaid representing the timing difference	1,128,726		1,128,726		1,128,726
	between declaration and payment	<u> </u>				
(F)	SUBTOTAL (D+E)	1,128,726		1,128,726		1,128,726
	LESS Average Investments in:					
	Detailed balance sheet accounts	(25,132)	-	(25,132)	-	(25,132)
	Accumulated Def Inc Tax Adjustment	56,998	-	56,998	-	56,998
	Goodwill					
(G)	Total Deductions	31,867		31,867		31,867
(H)	Capitalization Dedicated to Public Service (F-G)	1,096,859		1,096,859		1,096,859
(J)	Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to					
	Service Current Customers) (C-H)	\$ (4,893)		\$ (4,893)		\$ (4,893)

### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Electric & Common Depreciation Rates Effective 4/1/2018

Average	
Comrisos	

	Average			
	Service		Net	Depreciation
Account Name	Life (ASL)	Curve	Salvage	Rate
Electric Transmission Plant				
350.40 Land rights	75	H5	1.2%	1.32%
352.00 Structures and improvements	55	R2.5	-33.0%	2.42%
353.01 Station equipment	45	L0.5	-14.0%	2.53%
353.55 Station equipment - EMS RTU	25	Н5	-5.0%	4.20%
354.00 Towers and fixtures	75	R4	-35.0%	1.80%
355.00 Poles and fixtures	65	R2.5	-45.0%	2.23%
356.01 Overhead conductors, devices	80	R2.5	-35.0%	1.69%
357.01 Underground conduit	85	R3	-5.0%	1.24%
358.00 Underground conductors, devices	80	R3	-27.0%	1.59%
359.00 Roads and trails	75	H4	0.0%	1.33%
Electric Distribution Plant				
360.01 Land Rights	75	H5	0.0%	1.33%
361.00 Structures and improvements	80	R2.5	-33.0%	1.66%
362.01 Station equipment	60	H2	-15.0%	1.92%
362.55 Station equipment - EMS RTU	25	S3	-5.0%	4.20%
362.75 NY EMS Replacement INVP1041	10	S3	0.0%	10.00%
364.00 Poles, towers and fixtures	65	R1.5	-20.0%	1.85%
365.00 Overhead conductors, devices	60	R4	-40.0%	2.33%
366.01 Underground conduit	70	R0.5	-16.0%	1.66%
367.10 Underground conductors, devices	75	R3	-30.0%	1.73%
368.01 Line transformers - Bare Cost	40	R1.5	-6.0%	2.65%
368.30 Line transformers - Install Cost	40	R2	-35.0%	3.38%
369.10 Services - Overhead	55	R4	-45.0%	2.64%
369.20 Services - Underground-Conduit	85	H4	-5.0%	1.24%
369.21 Services - Underground-Cable	85	H2.5	-20.0%	1.41%
370.10 Small Meters - Bare Cost	20	H0.5	-25.0%	6.25%
370.20 Small Meters - Install Cost	20	H0.5	-25.0%	6.25%
370.30 Large Meters - Bare Cost	20	H3	-1.0%	5.05%
370.35 Large Meters - Install Cost	20	H3	-1.0%	5.05%
371.00 Installs customer premise	42	R1.5	-11.0%	2.64%
373.10 O/H St Lighting - Other	60	H1.5	-30.0%	2.17%
373.11 O/H St Lighting - Outer	20	S3	-30.0%	6.50%
373.20 U/G St Lighting - Other	60	H1.5	-30.0%	2.17%
373.21 U/G St Lighting - Uninaires	20	S3	-30.0%	6.50%
373.30 O/H St. Lights - LED	20 25	S3	-30.0%	5.20%
	25 25	S3	-30.0%	5.20%
373.40 U/G St. Lights - LED	23	53	-30.0%	3.20%
Electric General Plant				
390.00 Structures and improvements	45	H0.5	-13.0%	2.51%
392.22 Transportation Equipment	15	SQ	50.0%	3.33%
391.01 Office furniture, equipment	22	SQ	0.0%	4.55%
391.20 Office furn, equip (Data Proc Equip)	5	SQ	0.0%	20.00%
394.01 Tools, shop, garage equipment	22	SQ	0.0%	4.55%
395.01 Laboratory equipment	22	SQ	0.0%	4.55%
396.00 Power operated equipment	22	SQ	0.0%	4.55%
397.01 Communication equipment - Radio	22	SQ	0.0%	4.55%
397.02 Communication equipment - Telephone	8	SQ	0.0%	12.50%
397.50&.60 Communication equipment - Network	22	SQ	0.0%	4.55%
398.01 Power and Supervisory Control	22	SQ	0.0%	4.55%
- *		7		

### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Electric & Common Depreciation Rates Effective 4/1/2018

Account	Account Name	Average Service Life (ASL)	Curve	Net Salvage	Depreciation Rate
Common Ger		Life (ASL)	Curve	Sarvage	Nate
	Structures and improvements	45	HO.5	-15.70%	2.57%
391.10 (	Office furniture and equipment	22	SQ	0.00%	4.55%
391.21 I	Data Processing Equipment	5	SQ	0.00%	20.00%
392.21	Transportation Equipment - Aircraft	10	SQ	25.00%	7.50%
393.00 \$	Stores equipment	22	SQ	0.00%	4.55%
394.00	Γools, shop and garage equipment	22	SQ	0.00%	4.55%
395.00 I	Laboratory equipment	22	SQ	0.00%	4.55%
396.00 I	Power operated equipment	22	SQ	0.00%	4.55%
397.10 (	Communication equipment - Radio	22	SQ	0.00%	4.55%
397.20 (	Communication equipment - Telephone	8	SQ	0.00%	12.50%
397.30 (	Communication equipment - Network	22	SQ	0.00%	4.55%
398.00 1	Miscellaneous equipment	22	SQ	0.00%	4.55%
398.10 I	Power and Supervisory Control	22	SQ	0.00%	4.55%

### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas Depreciation Rates

### Gas Transmission and Distribution Rates Effective 4/1/2013 Gas General Rates Effective 5/20/2009

		Average		<b>3</b> .T. (	D : .:
Account Accoun	nt Name	Service Life (ASL)	Curve	Net Salvage	Depreciation Rate
Gas Transmission P		Life (ASL)	Curve	Sarvage	Kate
365.00 Land R		100	SQ		1.00%
	res and improvements	55	R2	-10.00%	2.00%
367.00 Mains	ies and improvements	85	R3	-10.00%	1.29%
	ring and regulating station equipment	40	R0.5	-10.00%	2.75%
	ring and regulating station equipment - manholes	45	LO	-30.00%	
	ring and regulating station equipment - RTU	25	H4	-5.00%	4.20%
Gas Distribution Pla	ant				
374.00 Land R		100	SQ		1.00%
	res and improvements	45	L0	-40.00%	3.11%
376.11 Mains		95	H4	-40.00%	1.47%
376.12 Mains		65	H4	-30.00%	2.00%
376.13 Mains		80	S0.5	-200.00%	3.75%
376.14 Mains		90	S2	-20.00%	1.33%
	ring and regulating station equipment	36	L0.5	-30.00%	3.61%
	ring and regulating station equipment - manholes	45	LO	-35.00%	3.00%
	ring and regulating station equipment - RTU	25	H4	-5.00%	4.20%
380.10 Service		60	R1.5	-10.00%	1.83%
380.20 Service		60	R4	-10.00%	1.83%
381.00 Meters		33	R2.5	-5.00%	3.18%
382.00 Meter i	nstallations	50	R1	-50.00%	3.00%
383.00 House	regulators	40	R1	0.00%	2.50%
	regulator installations	40	Н5	0.00%	2.50%
	ial measuring and regulating equipment	40	R5	0.00%	2.50%
Gas General Plant					
	res and improvements	55	L0.5	0.00%	1.82%
	furniture and equipment	22	SQ	0.00%	
	rocessing equipment	5	SQ	0.00%	20.00%
393.00 Stores		22	SQ	0.00%	4.55%
	shop and garage equipment	22	SQ	0.00%	4.55%
	gas vehicles refueling equipment	22	SQ	0.00%	4.55%
395.00 Labora		22	SQ	0.00%	4.55%
	operated equipment	22	SQ	0.00%	4.55%
	unication equipment - Network	22	SQ	0.00%	4.55%
	unication equipment - Radio	22	SQ	0.00%	4.55%
	unication equipment - Telephone	8	SQ	0.00%	
	aneous equipment	22	SQ	0.00%	4.55%
	and Supervisory Control	22	SQ	0.00%	4.55%

## Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Summary of Planned Investment for Electric and Common Capital and Cost of Removal FY18 - FY21 (\$000)

CAPEX	FY18	FY19 Rate Year	FY20 Rate Year	FY21 Rate Year
Electric Direct Capex	#202 401	0201.275	#226 40 <b>7</b>	0225 201
Electric Direct - Distribution	\$283,491	\$301,375	\$326,487	\$335,381
Electric Direct - Transmission	\$190,165	\$197,809	\$197,414	\$204,258
Electric Direct - Sub-Transmission	\$18,064	\$37,239	\$42,933	\$49,837
Electric Direct Capex - Total	\$491,720	\$536,422	\$566,833	\$589,476
All ( 1000/)				
Allocated Capex (at 100%) Info Services - Electric	\$200	6200	\$200	\$228
	\$200 \$0	\$200 \$9,269	\$200 \$0	\$228 \$0
New Energy Solution - Electric Products	* * *		* *	* *
Property Services - Common	\$7,500	\$13,500	\$13,500	\$13,500
Operations Support - Common	\$512	\$3,163	\$1,481	\$1,481
Inventory Management/Investment Recovery - Common	\$230	\$167	\$167	\$167
Allocated Capex (at 100%)- Total	\$8,442	\$26,298	\$15,348	\$15,376
T-t-1 Flt-i1 G G	¢500.163	\$5.C2.720	\$582,181	¢(04.952
Total Electric and Common Capex	\$500,162	\$562,720	\$382,181	\$604,852
Cost of Removal	FY18	FY19	FY20	FY21
Electric Direct Cost of Removal	1110	1117	1120	1121
Electric Direct - Distribution	\$28,748	\$39,729	\$32,491	\$31,364
Electric Direct - Transmission	\$23,711	\$25,254	\$20,775	\$28,338
Electric Direct - Sub-Transmission	\$4,963	\$6,278	\$7,899	\$8,743
Electric Direct Cost of Removal - Total	\$57,422	\$71,261	\$61,166	\$68,445
	447,122	· · · · · · · · · · · · · · · · · · ·	***,***	400,
Allocated Cost of Removal (at 100%)				
Info Services - Electric	\$0	\$0	\$0	\$0
Property Services - Common	\$675	\$1,215	\$1,215	\$1,215
Operations Support - Common	\$30	\$0	\$0	\$0
Inventory Management/Investment Recovery - Common	\$0	\$0	\$0	\$0
Allocated Cost of Removal (at 100%) - Total	\$705	\$1,215	\$1,215	\$1,215
`		,	· ·	
Total Electric and Common Cost of Removal	\$58,127	\$72,476	\$62,381	\$69,660
_				
Electric Pension/OPEB FASB Adjustment		(\$22,150)		
Total Electric and Common Capex and COR	\$558,289	\$613,047	\$644,561	\$674,512

### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Summary of Planned Investment for Gas Programs FY18 - FY21 (\$000)

Classification	Rate Case Category	FY'18	EV'19 Rate Vear	FY'20 Rate Year	FY'21 Rate Year
Growth	Base Growth - Install Main	\$ 6,176	\$ 7,208	\$ 7,359	\$ 7,514
	Base Growth - Install Services	\$ 11,855			\$ 14,417
	Base Growth - Neighborhood Expansion Program - Main	\$ 623	\$ 679	\$ 693	
	Base Growth - Neighborhood Expansion Program - Services			\$ 499	
	Base Growth - Customer Contributions	\$ (2,048)			
	Base Growth - Fitting			\$ 3,633	
	Base Growth - Install Meter/Regulator	\$ 2,302			\$ 3,383
	Base Growth - Meter Purchases	\$ 1,145		\$ 1,966	
	Gas System Reinforcement	\$ 3,322		\$ 7,857	
	Marcy NanoTech Center (MV Edge)	\$ 9,559 \$ (9,559)		\$ -	
	Marcy NanoTech Center (MV Edge) CIAC Global Foundries	\$ (9,559) \$ -	\$ (500) \$ -		\$ -
	Global Foundries CIAC	\$ -	*		\$ -
Subtotal Growth	Global I building CIAC	\$ 28,364			\$ 40,891
Mandated	CSC/Public Works			\$ 6,191	
	CSC/Public Works - Reimbursable	\$ 8			
	CSC/Public Works - Reimbursements	\$ (8)	\$ -	\$ -	\$ -
	Corrosion	\$ 1,826	\$ 2,367	\$ 2,417	\$ 2,467
	Main Replacement (Proactive) - Leak Prone Pipe	\$ 46,662	\$ 45,025	\$ 45,971	\$ 46,936
	Low Pressure Pockets	\$ -		\$ 929	
	10-12-14-Inch CI Program	\$ -		•	\$ -
	Replace Pipe on Structures	\$ -			\$ 795
	Main Replacement (Reactive) - Maintenance	\$ 828			\$ 1,055
	Cross Bore Investigation	\$ 1,026	\$ 612		\$ -
	Atmospheric Corrosion Inside Inspections (Remediation)	\$ 670			\$ 188
	Transmission Services	\$ 429			\$ 3,545
	Purchase Meters (Replacements)	\$ 4,307			\$ 4,291
	Install Elevated Pressure Meter Correctors	\$ -			\$ 950
	Advanced Metering Infrastructure (AMI) - ERTS	\$ -			\$ -
	ERT Replacement	\$ - \$ 5.772	\$ - \$ 4,862		\$ 7,500
	Meter Changes Other Meter Work		. , , , , , , , , , , , , , , , , , , ,		
	Soft-Offs	\$ - \$ -			
	Pipeline Integrity IMP ( Integrity Management Program)	\$ 12,181	\$ 12,500		
	Pipeline Integrity IVP (Integrity Verification Program)	\$ 4,500		\$ 4,014	
	PL 34-8 Inch Replacement	\$ -			
	PL 36-16 Inch Replacement	\$ -		\$ -	
	Transmission Pipeline Washout	\$ 500			\$ 521
	Transmission Pipeline (Reactive)	\$ 500	\$ 500		\$ 521
	Service Replacements - Proactive	\$ -	\$ -	\$ -	
	Service Replacement (Reactive) - Leaks	\$ 4,816	\$ 4,336	\$ 4,427	\$ 4,520
	Service Replacements (Reactive) - Non-Leaks/Other		\$ 2,472	\$ 2,524	\$ 2,577
	Lock Numbers 10 & 11 Washout	\$ -	\$ -	\$ -	
Subtotal Mandated		\$ 94,607			\$ 110,428
Reliability	Gas System Control	\$ 86	\$ -		\$ -
	Gas System Control - Gas Control (Telemetry Upgrade 3G to 4G)	\$ -			\$ -
	Gas System Control - Gas Control (Training Simulator)	\$ -			\$ 340
	Gas System Reliability - Gas Planning/RCV Programs	\$ 985			\$ 2,618
	Gas System Reliability - Albany Loop Closure	\$ 250		\$ 15,540	
	Valve Installation/Replacement Water Intrusion	\$ 290 \$ 905	\$ 245 \$ 433		\$ 255 \$ 451
	I&R - Reactive / CNG	\$ 386			\$ 347
	I&R CNG Construct 3 Portable Gas Regulator Stations	\$ -			\$ -
	I&R CNG Purchase Portable CNG Tube Trailer	\$ -		\$ -	•
	I&R Training Facilities	\$ -			\$ -
	Security At Critical Infrastructure	\$ -			\$ 1,616
	Methane Emission Reduction	\$ -	,,,,,,		\$ 834
	System Automation	\$ 750	\$ 750		\$ 1,500
	Heater Installation Program	\$ -	\$ 1,000	\$ 1,500	\$ 2,000
	Pressure Regulating Facilities	\$ 2,710	\$ 4,640		\$ 4,837
	Overpressure Protection Program	\$ -	500	750	1,000
	Pressure Reg Station - Lamphear Rd - GRS 824-695	\$ 50	\$ -	\$ -	\$ -
	Pressure Reg Station - Alplaus - GRS 924-426	\$ 400			\$ -
	Pressure Reg Station - Mariaville Road Rotterdam - GRS 924-434	\$ -	\$ 400		
	Pressure Reg Station - Putnam Gate - GRS 924-450	\$ 250		\$ -	
	Pressure Reg Station - Campion Road GRS 824-688	\$ -		\$ -	
	Pressure Reg Station - Brookview Gate Station			\$ -	
	Pressure Reg Station - Chestnut St GRS 824-175,201	\$ 75			\$ -
	Pressure Reg Station - Oneida Supply - GRS 824-709	\$ -			\$ 80
	Pressure Reg Station - Elton Ave & Salina St GRS 824-043				\$ - \$ 2,000
	Pressure Reg Station - Cold Springs Rd - GRS 824-127 Pressure Reg Station - Washington & Fuller - GRS 924-313	\$ - \$ -		\$ - \$ 620	
	Pressure Reg Station - Washington & Fuller - GRS 924-313  Pressure Reg Station - Sandy Creek GRS 824-216A, 216B	\$ -		\$ 620	
	Pressure Reg Station - Valentine Rd GRS 924-452	\$ -			
	Pressure Reg Station - Valentine Rd GRS 924-432  Pressure Reg Station - Dams Corners GRS 824-697	\$ -			
		\$ -			
	Pressure Reg Station - All Other			\$ 34,183	
Subtotal Reliability Sum	Pressure Reg Station - All Other	\$ 9,362	\$ 21,087		
	Pressure Reg Station - All Other  Tools & Equipment - Various				\$ 840
		\$ 9,362	\$ 806		
	Tools & Equipment - Various	\$ 9,362 \$ 942	\$ 806 \$ -	\$ 823	\$ -
Subtotal Reliability Sum Non-Infrastructure Subtotal Non-Infrastructur	Tools & Equipment - Various Combustable Gas Indicators Restrictions for Elevated Gas Infrastructure	\$ 9,362 \$ 942 \$ -	\$ 806 \$ -	\$ 823 \$ - \$ 1,074	\$ - \$ 1,097
Non-Infrastructure Subtotal Non-Infrastructur Misc	Tools & Equipment - Various Combustable Gas Indicators Restrictions for Elevated Gas Infrastructure	\$ 9,362 \$ 942 \$ - \$ - \$ 942 \$ -	\$ 806 \$ - \$ 1,052 \$ 1,858 \$ -	\$ 823 \$ - \$ 1,074 \$ 1,897 \$ -	\$ 1,097 \$ 1,937 \$ -
on-Infrastructure  ubtotal Non-Infrastructur  disc  ubtotal Misc	Tools & Equipment - Various Combustable Gas Indicators Restrictions for Elevated Gas Infrastructure  Misc	\$ 9,362 \$ 942 \$ - \$ - \$ 942 \$ - \$ 942 \$ -	\$ 806 \$ - \$ 1,052 \$ 1,858 \$ - \$ -	\$ 823 \$ - \$ 1,074 \$ 1,897 \$ - \$ -	\$ 1,097 \$ 1,937 \$ - \$ -
Jon-Infrastructure  Jubtotal Non-Infrastructur  Jisc  Jubtotal Misc  Jotal Direct Capital (Capital Capital Cap	Tools & Equipment - Various Combustable Gas Indicators Restrictions for Elevated Gas Infrastructure  Misc	\$ 9,362 \$ 942 \$ - \$ - \$ 942 \$ 942 \$ - \$ 133,275	\$ 806 \$ - \$ 1,052 \$ 1,858 \$ - \$ - \$ 153,616	\$ 823 \$ - \$ 1,074 \$ 1,897 \$ - \$ - \$ 186,328	\$ - \$ 1,097 \$ 1,937 \$ - \$ - \$ 205,054
ubtotal Non-Infrastructur disc ubtotal Misc otal Direct Capital (Capi- cost of Removal	Tools & Equipment - Various Combustable Gas Indicators Restrictions for Elevated Gas Infrastructure  Misc  al and COR)	\$ 9,362 \$ 942 \$ - \$ - \$ 942 \$ - \$ 942 \$ -	\$ 806 \$ - \$ 1,052 \$ 1,858 \$ - \$ - \$ 153,616	\$ 823 \$ - \$ 1,074 \$ 1,897 \$ - \$ - \$ 186,328	\$ 1,097 \$ 1,937 \$ - \$ - \$ 205,054 \$ 11,764
ubtotal Non-Infrastructure  ubtotal Non-Infrastructur fisc ubtotal Misc otal Direct Capital (Capi oost of Removal otal Direct Capital (Capi	Tools & Equipment - Various Combustable Gas Indicators Restrictions for Elevated Gas Infrastructure  Misc al and COR)	\$ 9,362 \$ 942 \$ - \$ - \$ 942 \$ - \$ 133,275 \$ 8,773 \$ 124,502	\$ 806 \$ - \$ 1,052 \$ 1,858 \$ - \$ - \$ 153,616 \$ 9,969 \$ 143,647	\$ 823 \$ - \$ 1,074 \$ 1,897 \$ - \$ - \$ 186,328 \$ 10,551 \$ 175,777	\$ 1,097 \$ 1,937 \$ - \$ - \$ 205,054 \$ 11,764 \$ 193,290
ubtotal Non-Infrastructure lise ubtotal Mise otal Direct Capital (Capi ost of Removal otal Direct Capital (Capi ension/OPEB FASB Adj ension/OPEB FASB Adj	Tools & Equipment - Various Combustable Gas Indicators Restrictions for Elevated Gas Infrastructure  Misc  al and COR)  al)	\$ 9,362 \$ 942 \$ - \$ - \$ 942 \$ - \$ 133,275 \$ 8,773 \$ 124,502	\$ 806 \$ - \$ 1,052 \$ 1,858 \$ - \$ - \$ 153,616 \$ 9,969 \$ 143,647 \$ (4,257)	\$ 823 \$ - \$ 1,074 \$ 1,897 \$ - \$ - \$ 186,328 \$ 10,551 \$ 175,777 \$ -	\$ 1,097 \$ 1,937 \$
on-Infrastructure  ubtotal Non-Infrastructur fise ubtotal Misc otal Direct Capital (Capi ost of Removal otal Direct Capital (Capi ension/OPEB FASB Adj otal Direct Capital and C	Tools & Equipment - Various Combustable Gas Indicators Restrictions for Elevated Gas Infrastructure  Misc  al and COR)  al)  ustment OR after Pension/OPEB FASB Adjustment	\$ 9,362 \$ 942 \$ - \$ - \$ 942 \$ - \$ 133,275 \$ 8,773 \$ 124,502 \$ 133,275	\$ 806 \$ - \$ 1,052 \$ 1,858 \$ - \$ - \$ 153,616 \$ 9,969 \$ 143,647 \$ (4,257)	\$ 823 \$ 1,074 \$ 1,897 \$ -\$ \$ 186,328 \$ 10,551 \$ 175,777 \$ -\$ \$ 186,328	\$ 1,097 \$ 1,937 \$ 205,054 \$ 11,764 \$ 193,290 \$ 205,054
Son-Infrastructure Subtotal Non-Infrastructur Mise Subtotal Mise Total Direct Capital (Capi Cost of Removal Total Direct Capital (Capi Cost OF Removal Total Direct Capital (Capi Cension/OPEB FASB Adj Cension/OPEB FASB Adj	Tools & Equipment - Various Combustable Gas Indicators Restrictions for Elevated Gas Infrastructure  Misc al and COR) al) International COR after Pension/OPEB FASB Adjustment Products	\$ 9,362 \$ 942 \$ - \$ - \$ 942 \$ - \$ 133,275 \$ 8,773 \$ 124,502 \$ 133,275	\$ 806 \$ - \$ 1,052 \$ 1,858 \$ - \$ 153,616 \$ 9,969 \$ 143,647 \$ (4,257) \$ 149,359	\$ 823 \$ - \$ 1,074 \$ 1,897 \$ - \$ 186,328 \$ 10,551 \$ 175,777 \$ - \$ 186,328 \$ 1,0551	\$ 1,09° \$ 1,93° \$ \$ \$ \$ \$ 205,05° \$ 11,76° \$ 193,29° \$ \$ \$ 205,05° \$ 11°

Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Distribution Capital Investment Plan FY18 - FY21 (\$)

		(\$)					
Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
		*NR-N GOUVERNEUR 98352-LEAD MINE RD BLUE STORES 30351 - PLEASANT VALE	C049635 C051985	0	90,100	0	163,200
		BROADWAY NETWORK RETIREMENT	C046712	0	21,000	0	0
		BUFFALO STA 121 POLE & DISC A/R	C073570	0	120,000	0	0
		BUFFALO STA 56- UPGRADE 4 XFMRS	C036502	2,145,780	458,000	0	0
		BUFFALO STATION 12 - 25 CYCLE RETIR BUFFALO STATION 12 - FDR REM & TIES	CD00969 C036208	7,650 990	7,350 0	0	0
		BUFFALO STATION 122 REBUILD - LINE	CD00779	0	0	59,000	1,704,300
		BUFFALO STATION 122 REBUILD - SUB	CD00782	0	0	0	612,070
		BUFFALO STATION 14 - 25 CYCLE RETIR	CD00974	15,260	0	0	0
		BUFFALO STATION 20 - 25 CYCLE FEEDE BUFFALO STATION 42 REBUILD - D LINE	C046618	1,050	1,100	0	0
		BUFFALO STATION 42 REBUILD - D LINE BUFFALO STATION 42 REBUILD - D STAT	C046859 C046854	0	0	0	0
		BUFFALO STATION 72 - 25 CYCLE FEEDE	C046619	900	0	0	0
		BURGOYNE 51 - REBUILD DURKEETOWN RD	CD00222	0	0	396,800	0
		CHURCH ST 53 - WEST LINE RD RELOCAT	C054923	0	131,250	0	0
		CROWN PT. 51 - CREEK RD GAP CLOSING CUYLER DLINE - POLE MOUNTED EQUIP	C048906	0	232,092	106,250	0
		DELEVAN F1162 STEEL WIRE PIW	C055354 C056734	0	10,500	163,100	0
		F1662 RECONDUCTOR RT 20 BROADWAY	C048615	0	171,200	0	0
		F2561 UNDERBUILT L803-817 NFUELS	C064329	106,250	0	0	0
		F2761 STEEL WIRE PIW	C056621	0	10,500	262,500	0
		HENRY ST 31636 - RIVER CROSSING KARNER - PATROON RECONDUCTING 477	C029432 C052303	0	0	0	447,100
		KARNER - PATROON RECONDUCTING 477  KARNER - PATROON UG GETAWAYS	C052307	0	0	0	0
		KARNER - RUTH RD UG GETAWAYS	C052305	0	0	0	0
		KARNER - SAND CREEK RECONDUCTING477	C052304	0	0	0	0
		KARNER - SAND CREEK UG GETAWAYS	C052306	0	0	0	0
		KARNER 31707 FEEDER CONVERSION	C049958	0	0	0	0
		KARNER 31715 FEEDER CONVERSION KARNER 31716 FEEDER CONVERSION	C049964 C049979	0	0	0	0
		KARNER 31710 FEEDER CONVERSION KARNER 31717 FEEDER CONVERSION	C049979 C049980	0	0	0	0
		KARNER 31718 FEEDER CONVERSION	C049984	0	0	0	0
	D/SUB T_Asset Replacement	KARNER 31719 FEEDER CONVERSION	C049982	0	0	0	0
		KARNER- RUTH RD RECONDUCTING 477	C049989	0	0	0	0
		KARNER-PINEBUSH CONVERSION LASHER RD - NEW STATION - DIST GET	C052308 CD00897	368,000	366,930	0	0
		LASHER ROAD - 52 FEEDER OH - PH 1	C068326	315,183	492,000	315,000	0
		LASHER ROAD - 53 FEEDER OH - PH 1	C068327	0	0	985,000	0
		LASHER ROAD - 53 FEEDER OH - PH 2	C068346	0	0	0	585,000
		LASHER ROAD - 53 FEEDER OH - PH 3	C068347	0	0	0	0
		LASHER ROAD - GETAWAY CABLE MACHIAS F1362 REPLACE STEEL WIRE	C068348 C056619	172,000	171,700	0	10,500
		MIDDLEBURGH 51 - ROUTE 145 EXTEND/C	CD01010	0	0	0	1,104,000
		MOD SWITCH "WHIP DESIGN" ARP	C051948	4,850	0	0	0
		MV-ROME 76254-HWY 49 RECONDUCTOR	C050005	0	0	0	320,000
		NEW HARPER SUBSTATION D LINE	C046417	0	0	0	0
		NIAGARA FALLS NETWORK RETIREMENT NORTON STREET UG CIVIL REBUILD	C046502 C050138	0	127,500 383,350	0	0
		NR-T.I.81452-COUNTY ROUTE 100-OVERL	CD01132	72,000	0	0	0
		NY GE BUTYL RUBBER PT REPLACEMENT	C051745	78,183	0	0	0
		OHIO ST - BUFFALO RIVER TUNNEL/BORE	C050400	3,710,250	0	0	0
		RECLOSER COMMINCATIONS - WEST	C065009	403,590	485,100	0	0
		RECLOSER COMMUNICATION SUBS CENTRAL RECLOSER COMMUNICATIONS - CENTRAL	C074646 C065011	6,375 931,920	666,270	0	0
		RECLOSER COMMUNICATIONS - CENTRAL RECLOSER COMMUNICATIONS - EAST	C065010	951,390	666,270	0	0
		RECLOSER COMMUNICATIONS SUBS EAST	C074645	25,500	0	0	0
		RECLOSER COMMUNICATIONS SUBS WEST	C074648	4,250	0	0	0
		SHORE RD 28185 - SARATOGA RD CONVER	C054836	18,250	524,140	2 000	0
		STATION 01 - REMOVE 25 CYCLE FEEDER STATION 05 - 25 CYCLE FEEDER 0528 R	C046624 C046623	0	18,950 18,950	3,080 2,450	0
		STATION 05 - 25 CYCLE FEEDER 0528 R STATION 06 - 25 CYCLE FEEDER REMOVA	C046622	0	18,950	3,080	0
		STATION 08 - 25 CYCLE FEEDER REMOVA	C046625	160	170	0	0
		STATION 56 NEW FEEDERS GETAWAY	C057826	174,600	0	0	0
		STATION 66 (UNION RD) REBUILD - DLI	CD00685	12,000	440,000	50,000	100,000
		TERMINAL STATION RELOCATION_DLINE TONAWANDA - F7128 REMOVAL	C059671 C036206	2,600	2,600	50,000	100,000
		TULLER HILL DLINE-13KV GETAWAY	C064446	25,333	50,000	0	0
	D/:	SUB T_Asset Replacement Total		9,554,315	5,685,972	2,346,260	5,046,170
		CENT NY-DIST-ASSET REPLACE BLANKET	CNC0017	1,974,960	2,015,000	2,015,000	2,055,000
	D/SUB T_Blanket	CNY-DIST-SUBSTN ASSET REPL BLNKT EAST NY-DIST-ASSET REPLACE BLANKET	CNC0026 CNE0017	1,995,000	7,000 2,035,000	7,000 2.035.000	7,000 2,076,000
		WEST NY-DIST-ASSET REPLACE BLANKET	CNE0017 CNW0017	2,763,000	2,035,000	2,035,000	2,875,000
		D/SUB T_Blanket Total		6,732,960	6,875,000	6,875,000	7,013,000
	D/SUB T_Buffalo St Light Cable Repl	BUFFALO STREET LIGHT CABLE REPLACEM	CD00851	2,199,912	2,208,245	2,208,245	2,208,245
	D/SUB	T_Buffalo St Light Cable Repl Total	0000000	2,199,912	2,208,245	2,208,245	2,208,245
		I&M - NC D-LINE OH WORK FROM INSP I&M - NC D-LINE UG WORK FROM INSP	C026160 C026163	10,899,460 499,500	10,016,640 500,240	10,016,640 500,240	10,016,640 500,240
		I&M - NE D-LINE OH WORK FROM INSP	C026163	13,499,820	15,138,000	15,138,000	15,138,000
	D/SUB T_Inspection \$ Maintenance	I&M - NE D-LINE UG WORK FROM INSP	C026162	484,536	480,125	474,978	474,978
	_ ^	I&M - NW D-LINE OH WORK FROM INSP	C026161	13,500,108	14,037,060	14,037,060	14,037,060
		I&M - NW D-LINE UG WORK FROM INSP	C026164	540,224	535,072	529,920	529,920
	T)/OLD	OTTEN 41213- CRUSHER HILL RD B T_Inspection \$ Maintenance Total	C053629	98,600 39,522,248	40,707,137	40,696,838	40,696,838
	D/SU.		C052903	240,000	3,000,000	3,000,000	3,000,000
	D/SUB T_Ntwk Secondary UG Cable	NETWORK SECONDARY CABLE	C052923	150,000	150,400	150,400	150,400
	Repl	REPLACEMENT	C052924	240,000	4,000,000	4,000,000	4,000,000
	D/OTTO TO	TROY LVAC NETWORK - WILLIAM ST	CD00628	112,800	7 150 400	7 150 400	7 150 400
	D/SUB T	Ntwk Secondary UG Cable Repl Total BUTLER 53 - BUILD 36253 FEEDER - UG	C028878	742,800 0	7,150,400 0	7,150,400 0	7,150,400 115,020
Asset Condition		CURRY RD 36552 UG GETAWAY REPLACE	C028878 C056406	0	289,850	0	113,020
Condition		GROOMS 55 - DEER RUN CABLE REPLACE	C065947	0	140,000	0	0
	D/SUB T_Primary UG Cable	HAGUE RD 53 - SUBMARINE CABLE.	C050522	0	0	75,000	2,000,000
	Replacement	Island Transformer & Submarine Cable Program	C026977	0	0	500,000	500,000
		NEW KRUMKILL 42153 - UG GETAWAY REP	C046648	0	350,200	1 100 000	1 106 200
		RIVERSIDE 28855 UG CABLE REPLACEME. SCHROON 51 - SUBMARINE CABLE REPAIR	C036468 C050333	0	1,203,200	1,100,000 76,500	1,196,800
	t	POSTURE OF SOME MAINTE CADELE KEI AIK		. 0	U	70,500	U

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
		Primary UG Cable Replacement Total AVENUE A 291 METALCLAD REPLACEMENT	C056609	0	1,983,250 0	1,751,500 490,000	3,811,820 1,600,500
		CHRISLER REBUILT STATION - STATION	C068290	0	1,049,540	3,500,000	3,499,760
		DELMAR DISTRIBUTION REMOVAL DELMAR STATION RETIREMENT	C050241 C049692	0	0	0	0
		EMMET ST - REPL TB1 AND MCLAD	C017952	0	0	0	63,000
		HOPKINS 253 - REPLACE METALCLAD GEA HOPKINS RD METALCLAD REPL DLINE	C046741 C054383	150,000 15,000	2,789,630 219,620	2,750,000 147,050	760,000
		JOHNSON RD - REPLACE METALCLAD GEAR	C046747	0	0	0	327,000
	D/SUB T_Sta Metal-Clad Switchgear	MARKET HILL SUBSTATION RETIREMENT MCKNOWNVILLE 327 METALCLAD REPLACEM	C046367 C056612	0	0	1,000	150,000
		NEW MAPLE AVE SUBSTATION	C073527	150,000	750,000	3,500,000	3,350,000
		PINE GROVE METALCLAD REPLACEMENT PINEBUSH - REPLACE METALCLAD GEAR	C056614 C046744	0	0	0	0
		STATION 140 METALCLAD REPLACEMENT	C056616	0	0	0	0
		STATION 162 METALCLAD REPLACEMENT STATION 61 - METALCLAD REPLACEMENT	C052706 C051707	0	0	0	232,800 150,000
		TULLER HILL 246 UNIT METALCLAD REPL	C056611	0	1,500,000	672,210	0
ŀ	D/SUB	WHITESBORO 632 - RETIREMENT T_Sta Metal-Clad Switchgear Total	C046742	315,000	6,308,790	10,000 11,070,260	10,000
	D/SUB T_Substation Battery&Related	BATTS/CHARG- NY CENTRAL BATTS/CHARG- NY WEST	C032013 C032014	291,000 436,500	291,000 242,500	291,000 97,000	291,000 339,500
		BATTS/CHARGNY EAST	C032012	199,820	199,820	199,820	199,820
	D/SUB	T_Substation Battery&Related Total NC ARP BREAKERS & RECLOSERS	C032253	927,320 606,466	733,320 618,128	587,820 628,819	830,320 628,819
	D/SUB T_Substation Breaker	NE ARP BREAKERS & RECLOSERS	C032252	631,735	635,623	647,285	647,285
	B/SSB 1_Substitute Breaker	NW ARP BREAKERS & RECLOSERS PEAT ST - REPLACE R825 OCB	C032261 C049550	650,202 0	650,202 303,610	650,202	650,202
	D/S	SUB T_Substation Breaker Total		1,888,402	2,207,563	1,926,306	1,926,306
		BEECH ST 81 - INDOOR SUBSTATION REF BUFFALO STATION 30 - REBUILD - FDRS	C046577 C015754	0	0	0	86,000
		BUFFALO STATION 30 REBUILD - STA	C046519	0	0	0	0
		BUFFALO STATION 34 REBUILD - LINE BUFFALO STATION 37 REBUILD - LINE	C046932 C033477	100,000	0	0	0
		BUFFALO STATION 37 REBUILD - SUB	C033474	1,528,550	0	0	0
	D/SUB T Substation Indoor	BUFFALO STATION 53 REBUILD - LINE BUFFALO STATION 53 REBUILD - SUB	C046929 C046945	0	86,000	600,100 93,000	600,100 1,753,700
	Brood I_bussation indeed	BUFFALO STATION 59 REBUILD - LINE	C033478	250,800	0	0	0
		BUFFALO STATION 59 REBUILD - SUB EIGHTH ST 80 - INDOOR SUBSTATION RE	C033475 C046585	3,983,790 0	1,265,850	0	0
		EIGHTH ST 80 - SUB REFURB D-LINE	C046586	0	0	19,400	194,000
		ELEVENTH ST 82 - INDOOR SUBSTATION STEPHENSON 85 - SUB REFURB D-LINE	C046582 C046580	0	0	0	0
	DA	WELCH 83 - SUB REFURB D-LINE	C046584	0	0	0	20,000
ŀ	D//	SUB T_Substation Indoor Total MOBILE SUBSTATION 2E - REPLACEMENT	C046666	5,863,140 0	1,351,850 0	712,500	2,653,800 1,000,070
	D/SUB T Substation Mobile	MOBILE SUBSTATION 4E - REFURBISH AN	C046667	0	400,000	400,000	0
	D/30B 1_Substation Woolle	NY MOBILE SUBSTATION PROGRAM NYC & NYW MOBILE SUB 115KV/12MVA	C051744 C066487	1,316,000	384,000	776,000 0	0
	D/9	REBUILD 6W MOBILE SUBSTATION SUB T Substation Mobile Total	C066566	400,000 1,716,000	400,000 1,184,000	1,176,000	1,000,070
	Dit	ALTAMONT TB1 REPLACEMENT	C066227	400,000	3,105,000	45,000	0
		BUTLER SUBSTATION INSTALL BUS PTS CUYLER24 DSUB STATION REMOVAL	C070010 C036102	10,000	0 845	0	0
		EAST DUNKIRK STA 63 TB REPLACEMENTS	C066266	1,216,063	22,477	0	0
	D/SUB T_Substation Power	GALEVILLE 71,72&73 FDRS CONVERSION GALEVILLE STATION REBUILD	C050749 C050746	0	0	0	0
	Transformer	GROOMS RD TRANSFORMER REPLACEMENT	C051706	2,616,000	0	0	0
		IE - NY ARP TRANSFORMERS NY ARP SPARE SUBSTATION TRANSFORMER	C025801 C026055	0	899,190 599,460	899,190 599,460	899,190 599,460
		ROCK CITY STATION 623 - TRANSFORMER	C046671 C050640	1,050	50,000 10,500	600,000 9,450	700,000
		STATE ST 954 STATION RETIREMENT STATION 124 - ALMEDA AVE TRANSFORME	C030640 C046670	1,030	463,660	2,583,110	354,050
	D/SUB T	Substation Power Transformer Total RIVERSIDE RELAY REPLACEMENT	C049606	4,243,119 752,073	5,151,132 0	4,736,210 0	2,552,700 0
	D/SUB T Substation Relay	TEMPLE RELAY REPL FOR ASH ST LINE	C055184	285,000	0	0	0
	Brood 1_Substation really	TEMPLE STATION RELAY REPLACEMENT TRINITY STATION RELAY REPLACEMENT	C049616 C049625	568,420 751,750	0	0	0
	D/	SUB T_Substation Relay Total		2,357,243	0	0	0
	D/SUB T_Sub-T Overhead Line	L867 UNDERBUILT DISTRIBUTION M&T L701- TRANSFER DIST UNDERBUILD	C057047 C054366	0	130,000	130,000	0
	D/SU	JB T_Sub-T Overhead Line Total		0	130,000	130,000	0
		MAPLE AVE - CONVERT 32422 & 32423 MAPLE AVE - NEW FEEDER 51	C069913 C069907	0	0	20,000	25,000 390,040
		MAPLE AVE - NEW FEEDER 52 PART 2	C069909	0	0	30,000	600,000
	Dist Overhead Line	MAPLE AVE - NEW FEEDER 52 PART 3 MAPLE AVE - NEW FEEDER 52/53 PART 1	C069910 C069908	0	0	34,000 17,000	667,152 338,067
		MAPLE AVE - NEW FEEDER 53 PART 2 MAPLE AVE - NEW FEEDER 54	C069911	0	0	5,000 25,000	100,000
		MAPLE AVE FEEDER GETAWAYS - CABLE	C069912 C069906	0	0	750,000	0
		MAPLE AVE FEEDER GETAWAYS - CIVIL	C046479	0	0	600,210	2,120,259
	Substation Circuit Switcher	Dist Overhead Line Total OGDENBROOK 115KV CKT SWITCHER 6177	C072491	0	0	1,481,210 0	180,005
		abstation Circuit Switcher Total		76,062,460	81,676,659	0 82,848,549	180,005 87,332,993
I	3rd Party Attachments	Broadband for All	C075964	2,268,240	0	0	0
		TWC in support of Broadband for All 3rd Party Attachments Total	C077091	2,011,620 4,279,860	0	0	0
		CENT NY-DIST-3RD PARTY ATTCH BLANKT	CNC0022	1,102,920	1,125,000	1,125,000	1,148,000
		CENT NY-DIST-METER BLANKET CENT NY-DIST-NEW BUS-COMM BLANKET	CNC0004 CNC0011	1,414,920 4,314,000	1,441,000 4,400,000	1,443,000 4,400,000	1,370,000 4,488,000
		CENT NY-DIST-NEW BUS-RESID BLANKET	CNC0010	8,851,000	9,028,000	9,028,000	9,209,000
		CENT NY-DIST-PUBLIC REQUIRE BLANKET CENT NY-DIST-ST LIGHT BLANKET	CNC0013 CNC0012	1,545,960 2,275,920	1,577,000 2,976,305	1,577,000 2,976,305	1,608,000 3,022,305
		EAST NY-DIST-3RD PARTY ATTCH BLANKT	CNE0022	720,000	734,000	734,000	749,000
		EAST NY-DIST-METER BLANKET EAST NY-DIST-NEW BUS-COMM BLANKET	CNE0004 CNE0011	2,011,920 4,801,920	2,050,000 4,898,000	2,052,000 4,898,000	1,991,000 4,996,000
		EAST NY-DIST-NEW BUS-RESID BLANKET	CNE0010	7,872,000	8,029,000	8,029,000	8,190,000
	D/CLID T Dla -1 -4	EAST NY-DIST-PUBLIC REQUIRE BLANKET EAST NY-DIST-ST LIGHT BLANKET	CNE0013 CNE0012	1,431,000 1,432,920	1,460,000 1,873,950	1,460,000 1,873,950	1,489,000 1,902,950
	D/SUB T_Blanket	LAND AND LAND RIGHTS NY CENTRAL	CNC0091	1,443,960	1,480,000	1,473,000	1,502,000
ī	l	LAND AND LAND RIGHTS NY EAST	CNE0091	1,233,960	1,265,000	1,259,000	1,284,000

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
	riogiam	LAND AND LAND RIGHTS NY WEST	CNW0091	453,960	465,000	463,000	472,000
		NIMO METER PURCHASES	CN03604	5,628,960	5,742,000	5,427,000	4,589,000
		NIMO TRANSFORMER PURCHASES RISK RESERVE	CN03620 C077093	20,274,000 (4,279,860)	20,500,000	20,679,000	21,093,000
		WEST NY-DIST-3RD PARTY ATTCH BLANKT	CNW0022	648,960	662,000	662,000	675,000
		WEST NY-DIST-METER BLANKET	CNW0004	1,597,920	1,628,000	1,630,000	1,561,000
Customer		WEST NY-DIST-NEW BUS-COMM BLANKET WEST NY-DIST-NEW BUS-RESID BLANKET	CNW0011 CNW0010	4,267,920 5,175,000	4,353,000 5,279,000	4,353,000 5,279,000	4,400,000 5,384,000
Requests/Public		WEST NY-DIST-PUBLIC REQUIRE BLANKET	CNW0013	1,071,000	1,092,000	1,092,000	1,114,000
Requirements		WEST NY-DIST-ST LIGHT BLANKET D/SUB T Blanket Total	CNW0012	3,247,920	4,246,745	4,246,745	4,312,745
		BIRCH AVE 51 - ROUTE 9N CONVERSION	C053127	78,538,180 0	86,305,000 180,200	86,160,000	86,550,000
		EAST BATAVIA SUBSTATION - DLINE UPG	CD00587	0	0	280,000	(
		F18151 CONVERSION BUSH RD	C063987	2.500.000	0	0	233,350
	D/SUB T New Business	NEW LED CENTRAL NY NEW LED EAST NY	C069886 C069947	2,509,000 2,021,500	2,509,000 2,021,500	2,509,000 2,021,500	2,509,000
		NEW LED WEST NY	C069927	2,439,500	2,439,500	2,439,500	2,439,50
		OAK RUN ESTATES URD F10551 CONVSN	C055125 C046920	6 000 720	325,130 7,140,000	7,282,000	7.428.00
		RESERVE FOR NEW BUSINESS COMMERCIAL RESERVE FOR NEW BUSINESS RESIDENTIA	C046920 C046921	6,999,720 5,999,670	6,120,000	6,242,000	6,367,00
		D/SUB T_New Business Total		19,969,390	20,735,330	20,774,000	20,998,350
		BROADWAY, SCHENECTADY STREETSCAPE	C072766	103,320	0	0	
		BUFFALO MUNICPAL HSING AUTH BUFFALO LEHIGH ADD 2ND TRANSFORMER	C071198 C074607	3,056,147	900,000	0	
	D/SUB T Public Requirements	PIN 1085.42 RT 146 / MOHAWK	C057859	212,500	0	0	
	D/SOB 1_Fublic Requirements	PIN 1460.32 RT 32 OVER MOHAWK RIVER	C054068	0	577,800	0	
		PIN 1760.11 GEYSER RD TRAIL DESIGN PIN1085.33 HAMBURG STREET ROUTE 14	C074671 C074647	175,100 799,850	0	0	
		RESERVE FOR PUBLIC REQUIREMENTS UNI	C046922	5,908,140	8,607,000	8,779,000	8,954,00
	D/S	UB T_Public Requirements Total	0010722	10,255,057	10,084,800	8,779,000	8,954,00
ļ		ADVANCED METERS NYC	C077177	0	0	0	
	Meter Installations	ADVANCED METERS NYE	C077176	0	0	0	
ŀ		ADVANCED METERS NYW Meter Installations Total	C077178	0	0	0	
	Customer Requests/P	ublic Requirements Total		113,042,487	117,125,130	115,713,000	116,502,35
		CENT NY-DIST-DAMAGE/FAILURE BLANKET	CNC0014	11,862,000	12,918,000	12,244,000	12,489,00
		CENT NY-DIST-SUBS BLANKET EAST NY-DIST-DAMAGE/FAILURE BLANKET	CNC0002 CNE0014	675,943 12,826,920	690,000 14,680,000	690,000 13,236,000	703,00
	D/SUB T_Blanket	EAST NY-DIST-DAMAGE/FAILURE BLANKET EAST NY-DIST-SUBS BLANKET	CNE0014 CNE0002	939,305	958,230	958,086	977,17
		WEST NY-DIST-DAMAGE/FAILURE BLANKET	CNW0014	8,808,000	8,985,000	8,985,000	9,165,00
		WEST NY-DIST-SUBS BLANKET	CNW0002	815,479	1,116,000	832,000	849,00
Damage/Failure		D/SUB T_Blanket Total  ASH ST_LVAC_TRANS_N46179-FAILURE	C074903	35,927,648 100,000	39,347,230	36,945,086	37,683,17
		BURGOYNE TB2 REPLACEMENT	C074303	170,000	0	0	
	D/SUB T Damage Failure Other	DEBALSO CKT SW18 AND BATTERIES D/F	C076663	30,000	0	0	
	D/SOB 1_Damage Failure Other	HENRY ST SUB STATION TRANSFORMER	C069551	35,400	0	0	• • • • •
		RESERVE FOR DAMAGE/FAILURE UNIDENTI	C046918 C046948	1,000,080 6,119,623	1,989,000 6,242,361	2,029,000 6,366,918	2,069,00 6,495,11
	D/S <sup>1</sup>	UB T Damage Failure Other Total	C040748	7,455,103	8,231,361	8,395,918	8,564,11
	Damage/	Failure Total		43,382,751	47,578,591	45,341,004	46,247,28
	D/CLID T. Dll	CENT NY-GENERAL-GENL EQUIP BLANKET	CNC0070	676,999	876,000	691,000	704,00
Non-Infrastructure	D/SUB T_Blanket	EAST NY-GENL EQUIP BUDGETARY RESERV WEST NY-GENERAL-GENL EQUIP BLANKET	CNE0070 CNW0070	717,000 823,999	830,000 840,000	731,000 840,000	746,00 857,00
		D/SUB T_Blanket Total	011110070	2,217,998	2,546,000	2,262,000	2,307,00
	Non-Infra	structure Total		2,217,998	2,546,000	2,262,000	2,307,00
	Advanced Distribution Automation	NY FLISR CENTRAL - D-LINE NY FLISR EAST - D-LINE	C076104 C076101	0	0	0	
	(ADA)	NY FLISR WEST - D-LINE	C076101	0	0	0	
	Advance	d Distribution Automation (ADA) Total	•	0	0	0	
		ADD UFLS RELAY TO BUFFALO ST 129	C075810	0	0	0	
		ADD UFLS RELAY TO BUFFALO ST 21 ADD UFLS RELAY TO BUFFALO ST 23	C075802 C075803	33,000	148,611 33,000	167,906	
				0			
		IADD UFLS KELAY TO BUFFALO ST 33	CU/3809	U	0	0	
		ADD UFLS RELAY TO BUFFALO ST 33 ADD UFLS RELAY TO BUFFALO ST 43	C075809 C075805	0	0	0	33,00
		ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54	C075805 C075807	0	0	0	33,00 33,00
	СІР	ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 68	C075805 C075807 C075804	0 0	0 0	0 0 33,000	33,00 33,00 169,24
	CIP	ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54	C075805 C075807	0	0	0	33,00 169,24 28,00
	CIP	ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 68 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO DELMAR ADD UFLS RELAY TO MIDDLEBURG	C075805 C075807 C075804 C075847 C076962 C075850	0 0 0 0 0	0 0 0 0 0	0 0 33,000 0 0	33,00 169,24 28,00
	CIP	ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 68 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO DELMAR ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO NEW KRUMKILL	C075805 C075807 C075804 C075847 C076962 C075850 C075843	0 0 0 0 0 0	0 0 0 0 0 0 0 28,312	0 0 33,000 0 0 0 138,364	33,00 169,24 28,00
	CIP	ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 68 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO DELMAR ADD UFLS RELAY TO MEDLEBURG ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO PROSPECT HILL	C075805 C075807 C075804 C075847 C076962 C075850	0 0 0 0	0 0 0 0 0	0 0 33,000 0 0	33,00 169,2 <sup>2</sup> 28,00 28,00
	CIP	ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 68 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO DELMAR ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO PROSPECT HILL ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO WOLF ROAD	C075805 C075807 C075804 C075847 C076962 C075850 C075843 C075846	0 0 0 0 0 0 0 0 0 33,000	0 0 0 0 0 0 28,312 0 104,572	0 0 33,000 0 0 0 138,364 0 0 33,000	33,00 169,24 28,00 28,00
	CIP	ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 68 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO DELMAR ADD UFLS RELAY TO DELMAR ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO PROSPECT HILL ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO WOLF ROAD CIP Total	C075805 C075807 C075807 C075847 C076962 C075850 C075843 C075846 C075844 C075845	0 0 0 0 0 0 0 0 0 33,000	0 0 0 0 0 0 0 28,312 0 104,572 0 314,495	0 0 33,000 0 0 0 138,364 0 0 33,000 372,270	33,00 169,24 28,00 28,00 142,5 433,7:
		ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 68 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO PROSPECT HILL ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO WOLF ROAD CIP TOTAL  CEPT TOTAL  CENT NY-DIST-RELIABILITY BLANKET	C075805 C075807 C075807 C075804 C075847 C076962 C075850 C075843 C075844 C075844 C075845	0 0 0 0 0 0 0 0 0 0 33,000 0 66,000	0 0 0 0 0 0 0 28,312 0 104,572 0 314,495 1,674,000	0 0 33,000 0 0 0 138,364 0 0 33,000 372,270 1,674,000	33,00 169,24 28,00 28,00 142,5 433,7: 1,707,00
	CIP  D/SUB T_Blanket	ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 68 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO DELMAR ADD UFLS RELAY TO DELMAR ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO PROSPECT HILL ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO WOLF ROAD CIP Total	C075805 C075807 C075807 C075847 C076962 C075850 C075843 C075846 C075844 C075845	0 0 0 0 0 0 0 0 0 33,000	0 0 0 0 0 0 0 28,312 0 104,572 0 314,495	0 0 33,000 0 0 0 138,364 0 0 33,000 372,270	33,00 169,22 28,00 28,00 142,5 433,7: 1,707,00 1,868,00
		ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 68 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO PROSPECT HILL ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO WOLF ROAD CIP TOTAL CENT NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET WEST NY-DIST-RELIABILITY BLANKET WEST NY-DIST-RELIABILITY BLANKET DISUB T BlankeT TOTAL	C075805 C075807 C075804 C075847 C075847 C076962 C075853 C075843 C075844 C075845 CNC0015 CNC0015 CNE0015	0 0 0 0 0 0 0 0 0 33,000 0 66,000 1,641,000 1,794,960 5,289,960	0 0 0 0 0 0 28,312 0 104,572 0 314,495 1,674,000 1,831,000 2,063,000 5,568,000	0 0 33,000 0 0 0 138,364 0 33,000 372,270 1,674,000 1,831,000 1,891,000 5,396,000	33,00 169,22 28,00 28,00 142,51 433,72 1,707,00 1,868,00 1,929,00
		ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 68 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO PROSPECT HILL ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO WOLF ROAD CIP Total CENT NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET WEST NY-DIST-RELIABILITY BLANKET D/SUB T BlankET Total *BROOK RD 52 - LEWIS RD CONVERSION	C075805 C075807 C075804 C075847 C076962 C075843 C075843 C075844 C075844 C075845 CNC0015 CNE0015 CNW0015	0 0 0 0 0 0 0 0 33,000 0 66,000 1,541,000 1,794,960 1,854,000 5,289,960	0 0 0 0 0 0 0 0 28,312 0 104,572 0 314,495 1,674,000 1,831,000 2,063,000 5,568,000 0	0 0 33,000 0 0 0 138,364 0 0 33,000 372,270 1,674,000 1,831,000 1,891,000 5,396,000 1111,780	33,00 169,2c 28,00 28,00 142,51 433,7: 1,707,00 1,868,00 1,929,00 5,504,00
		ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 68 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO DELMAR ADD UFLS RELAY TO DELMAR ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO MED LEBURG ADD UFLS RELAY TO PROSPECT HILL ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO WOLF ROAD CIP Total CENT NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET WEST NY-DIST-RELIABILITY BLANKET USUB T Blanket Total D/SUB T Blanket Total D/SUB T Blanket Total D/SUB T DELAY TO SYCAWS RD CONVERSION *BROOK RD 57 - BRAIM RD CONVERSION	C075805 C075807 C075804 C075804 C075847 C076962 C075850 C075843 C075846 C075845 CNC0015 CNE0015 CNW0015 CNW0015 CNW0015	0 0 0 0 0 0 0 0 33,000 66,000 1,641,000 5,289,960 42,500	0 0 0 0 0 0 0 28,312 0 104,572 0 314,495 1,674,000 2,063,000 5,568,000 0	0 0 33,000 0 0 0 138,364 0 0 33,000 372,270 1,674,000 1,831,000 1,891,000 5,396,000 111,780	33,0( 169,24 28,0( 28,0( 142,5; 433,7; 1,707,0( 1,868,0( 1,929,0( 5,504,0(
		ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 68 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO PROSPECT HILL ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO WOLF ROAD CIP Total CENT NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET WEST NY-DIST-RELIABILITY BLANKET D/SUB T BlankET Total *BROOK RD 52 - LEWIS RD CONVERSION	C075805 C075807 C075804 C075847 C076962 C075843 C075843 C075844 C075844 C075845 CNC0015 CNE0015 CNW0015	0 0 0 0 0 0 0 0 33,000 0 66,000 1,541,000 1,794,960 1,854,000 5,289,960	0 0 0 0 0 0 0 0 28,312 0 104,572 0 314,495 1,674,000 1,831,000 2,063,000 5,568,000 0	0 0 33,000 0 0 0 138,364 0 0 33,000 372,270 1,674,000 1,831,000 1,831,000 1,11,780 0 27,000 0	33,00 33,00 169,24 28,00 28,00 142,51 433,75 1,707,00 1,868,00 1,929,00 5,504,00
		ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 68 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO DELMAR ADD UFLS RELAY TO DELMAR ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO PROSPECT HILL ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO WOLF ROAD CIP TOtal CENT NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET USUB T Blanket Total USUB T Blanket Total B'BROOK RD 52 - LEWIS RD CONVERSION BROOK RD 57 - BRAIM RD CONVERSION BURGGYNE 51 - COUNTY HWY 41 "CHURCH ST 53 - CNTY HWY 132 CONVRT "FARNAN RD 51 - BLUEBIRD ROAD	C075805 C075807 C075804 C075804 C075847 C076962 C075843 C075846 C075844 C075845 CNC0015 CNC0015 CNW0015 CNW0015 CNW0015 C049761 C049790 C049790 C049790 C049652 C029431	0 0 0 0 0 0 0 0 33,000 66,000 1,641,000 5,289,960 42,500 0	0 0 0 0 0 0 28,312 0 104,572 0 314,495 1,674,000 2,063,000 5,568,000 0 0	0 0 33,000 0 0 0 138,364 0 0 33,000 372,270 1,674,000 1,831,000 5,396,000 5,396,000 27,000 0 490,400	33,00 33,00 169,22 28,00 28,00 142,51 433,7: 1,707,00 1,929,00 5,504,00
		ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 68 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO WOLF ROAD CIP TOTAL CENT NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET USUB T Blanket TOTAL **BROOK RD 52 - LEWIS RD CONVERSION **BROOK RD 57 - BRAIM RD CONVERSION **BROOK RD 53 - COUNTY HWY 41 **CHURCH ST 53 - CNTY HWY 132 CONVET **FARNAN RD 51 - BLUEBIRD ROAD **FLORIDA-STONER FEEDER TIE	C075805 C075807 C075804 C075804 C075847 C076962 C075843 C075846 C075844 C075845 CNC0015 CNE0015 CNE0015 CNE0015 C049761 C049791 C049790 C049652 C029431 C050438	0 0 0 0 0 0 0 0 0 33,000 1,641,000 1,794,960 1,854,000 5,289,960 0 0 0 0	0 0 0 0 0 0 0 28,312 0 104,572 0 1,674,000 1,831,000 2,063,000 0 0 0 0	0 0 33,000 0 0 0 138,364 0 33,000 372,270 1,674,000 1,831,000 1,891,000 5,396,000 111,780 0 27,000 0 490,400	33,0(c) 169,2c 28,0(c) 28,0(c) 142,5(c) 433,7: 1,707,0(c) 1,9829,0(c) 5,504,0(c) 602,6c
		ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 68 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO POSPECT HILL ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO WOLF ROAD CIP Total CENT NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET WEST NY-DIST-RELIABILITY BLANKET D/SUB T Blanket TOtal  *BROOK RD 52 - LEWIS RD CONVERSION *BROOK RD 52 - LEWIS RD CONVERSION *BURGGYNE 51 - COUNTY HWY 41 *CHURCH ST 53 - CNTY HWY 132 CONVRT *FARNAN RD 51 - BLUEBIRD ROAD *FLORIDA-STONER FEEDER TIE *GROOMS RD 34556 - RTE 146 RECONDUC	C075805 C075807 C075804 C075804 C075847 C076962 C075843 C075843 C075844 C075845 CNC0015 CNE0015 CNW0015 C049761 C049791 C049790 C049652 C029431 C050438 C050438	0 0 0 0 0 0 0 0 33,000 0 66,000 1,794,960 1,854,000 5,289,960 0 0 0 0	0 0 0 0 0 0 0 0 0 28,312 0 104,572 0 314,495 1,674,000 2,063,000 5,568,000 0 0	0 0 33,000 0 0 0 138,364 0 0 33,000 372,270 1,674,000 1,831,000 1,831,000 1111,780 0 27,000 0 490,400 0	33,0(1) 169,2(2) 28,0(1) 28,0(1) 142,5(1) 433,7(1) 1,707,0(1) 1,868,0(1) 1,929,0(1) 5,504,0(1) 602,6(1)
		ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 68 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO WOLF ROAD CIP TOTAL CENT NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET USUB T Blanket TOTAL **BROOK RD 52 - LEWIS RD CONVERSION **BROOK RD 57 - BRAIM RD CONVERSION **BROOK RD 51 - COUNTY HWY 41 **CHURCH ST 53 - CNTY HWY 132 CONVET **FARNAN RD 51 - BLUEBIRD ROAD **FLORIDA-STONER FEEDER TIE **GROOMS RD 34556 - RTE 146 RECONDUC **MCCLELLAN 51 - UNION ST CONVERSION **MIDDLEBURGH 51 - MALLON ROAD	C075805 C075807 C075804 C075804 C075847 C076962 C075843 C075843 C075844 C075845 CNC0015 CNE0015 CNE0015 CNW0015 C049761 C049791 C049791 C049791 C050438 C050085 C050085	0 0 0 0 0 0 0 0 0 33,000 1,641,000 1,794,960 1,854,000 5,289,960 0 0 0 0	0 0 0 0 0 0 0 0 28,312 0 104,572 0 314,495 1,674,000 2,063,000 0 0 0 0 0 0 0 0 34,572 0 0 0 314,9572 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 33,000 0 0 0 138,364 0 33,000 372,270 1,674,000 1,831,000 5,396,000 111,780 0 27,000 0 490,400 0 190,400 500,000	33,00 33,00 169,22 28,00 28,00 142,51 433,7; 1,707,00 1,929,00 5,504,00 602,64
		ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 58 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO PROSPECT HILL ADD UFLS RELAY TO PROSPECT HILL ADD UFLS RELAY TO PROSPECT HILL ADD UFLS RELAY TO WOLF ROAD CIP Total CENT NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET WEST NY-DIST-RELIABILITY BLANKET WEST NY-DIST-RELIABILITY BLANKET D/SUB T Blanket TOtal  *BROOK RD 52 - LEWIS RD CONVERSION *BROOK RD 57 - BRAIM RD CONVERSION *BURGGYNE 51 - COUNTY HWY 41 *CHURCH ST 53 - CNTY HWY 132 CONVRT *FARNAN RD 51 - BLUEBIRD ROAD *FLORIDA-STONER FEEDER TIE *GROOMS RD 34556 - RTE 146 RECONDUC *MCCLELLAN 51 - UNION ST CONVERSION *MIDDLEBURGH 51 - MALLON ROAD *MIDDLEBURGH 51 - MALLON ROAD *MIDDLEBURGH 51 - RECONDUCTOR/CONVERT	C075805 C075807 C075804 C075804 C075847 C076962 C075843 C075843 C075844 C075845 CNC0015 CNE0015 CNE0015 CNW0015 C049761 C049791 C049790 C049652 C029431 C0500485 C050085 C050085 C049758 C049758 C049758	0 0 0 0 0 0 0 0 33,000 0 66,000 1,541,000 1,794,960 1,854,000 0 0 0 0 0 0 0	0 0 0 0 0 0 0 28,312 0 104,572 0 314,495 1,674,000 1,831,000 2,063,000 0 0 0 0 0 499,770 0	0 0 33,000 0 0 0 138,364 0 33,000 372,270 1,674,000 1,831,000 1,891,000 0 27,000 0 490,400 190,400 500,000 0 490,000	33,0(3,3,0), 33,0(3,3,3,0), 33,0(3,3,0), 33,0(3,3,0), 34,0(2,3,0), 34,0(2,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,0(3,3,0), 34,
		ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 58 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO WOLF ROAD CIP TOTAL  CENT NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET D/SUB T Blanket Total *BROOK RD 52 - LEWIS RD CONVERSION *BURGOYNE 51 - COUNTY HWY 41 *CHURCH ST 53 - CNTY HWY 132 CONVRT *FARNAN RD 51 - BLUEBIRD ROAD *FLORIDA-STONER FEEDER TIE *GROOMS RD 34556 - RTE 146 RECONDUC *MICCLELLAN 51 - UNION ST CONVERSION *MIDDLEBURGH 51 - MALLON ROAD *MUMFORD 5052 - RECONDUCTOR/CONVERT *NR-BREMEN 81556-BEECH HILL RD	C075805 C075807 C075804 C075804 C075847 C076962 C075840 C075843 C075844 C075844 C075845 CNC0015 CNC0015 CNW0015 CNW0015 C049761 C049791 C049790 C049652 C029431 C050438 C0500485 C049789	0 0 0 0 0 0 0 33,000 66,000 1,641,000 5,289,960 0 42,500 0 0 0 0 0	0 0 0 0 0 0 0 28,312 0 104,572 0 314,495 1,674,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,0	0 0 33,000 0 0 138,364 0 0 33,000 372,270 1,674,000 1,831,000 1,831,000 27,000 0 490,400 0 0 190,400 0 0 490,000 0	33,0(c) 169,2c 28,0(c) 28,0(c) 28,0(c) 28,0(c) 42,5(c) 433,7: 1,707,0(c) 1,929,0(c) 5,504,0(c) 602,6c 1,500,0(c) 153,0(c) 153,0(c
		ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 58 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO WOLF ROAD CIP TOTAL CENT NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET D/SUB T Blanket TOTAL **BROOK RD 52 - LEWIS RD CONVERSION **BROOK RD 57 - BRAIM RD CONVERSION **BROOK RD 51 - COUNTY HWY 41 **CHURCH ST 53 - CNTY HWY 132 CONVET **FARNAN RD 51 - BLUEBIRD ROAD **FLORIDA-STONER FEEDER TIE **GROOMS RD 34556 - RTE 146 RECONDUC **MCCLELLAN 51 - UNION ST CONVERSION **MUMFORD 5052 - RECONDUCTOR/CONVERT **MRIBREMEN 81556-BEECH HILL RD **NR-BREMEN 81556-BEECH HILL RD **NR-BIGLEY 92451-JOE INDIAN AREA	C075805 C075807 C075804 C075804 C075847 C076962 C075843 C075843 C075844 C075845 CNC0015 CNE0015 CNE0015 CNE0015 CNG09761 C049761 C049761 C049761 C050438 C050438 C050085 C049758 C049789 C049789 C049789 C049789	0 0 0 0 0 0 0 0 33,000 66,000 1,541,000 1,544,000 5,289,960 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 104,572 0 314,495 1,674,000 1,831,000 2,063,000 0 0 0 0 0 0 0 0 34,572 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 33,000 0 0 138,364 0 0 33,300 372,270 1,674,000 1,831,000 5,396,000 111,780 0 0 490,400 0 190,400 500,000 0 490,000 0	33,0 169,2 28,0 28,0 142,5 433,7 1,707,0 1,929,0 5,504,0 602,6 1,500,0
		ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 58 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO WOLF ROAD CIP TOTAL  CENT NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET D/SUB T Blanket Total *BROOK RD 52 - LEWIS RD CONVERSION *BURGOYNE 51 - COUNTY HWY 41 *CHURCH ST 53 - CNTY HWY 132 CONVRT *FARNAN RD 51 - BLUEBIRD ROAD *FLORIDA-STONER FEEDER TIE *GROOMS RD 34556 - RTE 146 RECONDUC *MICCLELLAN 51 - UNION ST CONVERSION *MIDDLEBURGH 51 - MALLON ROAD *MUMFORD 5052 - RECONDUCTOR/CONVERT *NR-BREMEN 81556-BEECH HILL RD	C075805 C075807 C075804 C075804 C075847 C076962 C075840 C075843 C075844 C075844 C075845 CNC0015 CNC0015 CNW0015 CNW0015 C049761 C049791 C049790 C049652 C029431 C050438 C0500485 C049789	0 0 0 0 0 0 0 33,000 66,000 1,641,000 5,289,960 0 42,500 0 0 0 0 0	0 0 0 0 0 0 0 28,312 0 104,572 0 314,495 1,674,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,0	0 0 33,000 0 0 138,364 0 0 33,000 372,270 1,674,000 1,831,000 1,831,000 27,000 0 490,400 0 0 190,400 0 0 490,000 0	33,0 169,2 28,0 28,0 142,5 433,7 1,707,0 1,929,0 5,504,0 602,6 1,500,0
		ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 58 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO DELMAR ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO WOLF ROAD CIP TOTAL CENT NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET WEST NY-DIST-RELIABILITY BLANKET D/SUB T Blanket Total *BROOK RD 52 - LEWIS RD CONVERSION *BROOK RD 57 - BRAIM RD CONVERSION *BROOK RD 51 - COUNTY HWY 41 *CHURCH ST 53 - CNTY HWY 132 CONVET *FARNAN RD 51 - BLUEBIRD ROAD *FLORIDA-STONER FEEDER TIE *GROOMS RD 34556 - RTE 146 RECONDUC *MICCLELLAN 51 - UNION ST CONVERSION *MUMFORD 5052 - RECONDUCTOR/CONVERT *NR-BREMEN 81556-BEECH HILL RD *NR-HIGLEY 92451-NYS HWY 56-FDRTIE	C075805 C075807 C075804 C075804 C075847 C076962 C075850 C075843 C075844 C075845 CNC0015 CNE0015 CNE0015 CNW0015 C049761 C049761 C049791 C049791 C049790 C049652 C029431 C050438 C050105 C050085 C049758 C049789 C049789 C049789 C049789 C049789 C049785 C049789 C049785 C049789 C049785 C049789 C049785	0 0 0 0 0 0 0 0 33,000 66,000 1,541,000 1,854,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 104,572 0 314,495 1,674,000 1,831,000 2,063,000 0 0 0 0 0 0 0 0 34,572 0 0 0 0 1,572 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 33,000 0 0 138,364 0 0 33,300 372,270 1,674,000 1,831,000 5,396,000 111,780 0 0 490,400 0 490,400 500,000 0 490,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	33,0 169,2 28,0 28,0 142,5 433,7 1,707,0 1,929,0 5,504,0 602,6 1,500,0
		ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 58 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO PROSPECT HILL ADD UFLS RELAY TO PROSPECT HILL ADD UFLS RELAY TO WOLF ROAD CIP Total CENT NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET WEST NY-DIST-RELIABILITY BLANKET D/SUB T Blanket TOtal  *BROOK RD 52 - LEWIS RD CONVERSION *BROOK RD 52 - LEWIS RD CONVERSION *BROOK RD 51 - BUDLEBURD ROAD *FLORIDA-STONER FEDER TIE  *GROOMS RD 34556 - RTE 146 RECONDUC *MCCLELLAN 51 - UNION ST CONVERSION *MIDDLEBURGH 51 - WALLON ROAD *MUMFORD 5052 - RECONDUCTOR/CONVERT *NR-BREMEN 81556-BEECH HILL RD *NR-HIGLEY 92451-DIS INDIAN AREA	C075805 C075807 C075804 C075804 C075804 C075847 C076962 C075843 C075846 C075844 C075845 CNC0015 CNE0015 CNE0015 CNE0015 CNG0015 C049761 C049791 C049790 C049652 C029431 C0500485 C049789 C049789 C049789 C049789 C049789 C049788 C049789 C049781 C0500884	0 0 0 0 0 0 0 0 33,000 66,000 1,541,000 1,794,960 1,854,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 28,312 0 0 314,495 1,674,000 1,831,000 2,063,000 0 0 0 0 0 0 0 499,770 0 0 449,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 33,000 0 0 138,364 0 33,000 372,270 1,674,000 1,831,000 1,891,000 0 27,000 0 490,400 190,400 500,000 0 490,000 0 0 0 0 0	33,0 169,2 28,0 28,0 142,5 433,7 1,707,0 1,929,0 5,504,0 602,6 1,500,0 153,0
		ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 58 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO DELMAR ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO WOLF ROAD CIP TOTAL  CENT NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET D/SUB T Blanket Total *BROOK RD 52 - LEWIS RD CONVERSION *BURGOYNE 51 - COUNTY HWY 41 *CHURCH ST 53 - CNTY HWY 132 CONVET *FARNAN RD 51 - BLUEBIRD ROAD *FLORIDA-STONER FEEDER TIE *GROOMS RD 34556 - RTE 146 RECONDUC *MICLELLAN 51 - UNION ST CONVERSION *MIDDLEBURGH 51 - MALLON ROAD *MUMFORD 5052 - RECONDUCTOR/CONVERT *NR-BREMEN 81556-BEECH HILL RD *NR-HIGLEY 92451-NYS HWY 56-FDRTIE *NR-HIGLEY 92451-NYS HWY 56 -FDRTIE *NR-HIGLEY 92451-N	C075805 C075807 C075804 C075804 C075846 C075846 C075846 C075846 C075846 C075846 C075846 C075846 C075846 C075847 CNC0015 CNW0015 CNW0015 CNW0015 CNW0015 C049761 C049791 C049790 C049652 C029431 C050438 C050045 C049758 C049789 C049745 C049745 C046864 C046865 C049751 C050084 C050084 C050084	0 0 0 0 0 0 0 0 33,000 1,641,000 5,289,960 0 42,500 0 0 0 0 0 0 0 0 42,500 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 28,312 0 104,572 0 314,495 1,674,000 2,063,000 5,568,000 0 0 0 0 0 0 499,770 0 0 440,000 0 0 0 344,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 33,000 0 0 138,364 0 0 33,000 372,270 1,674,000 1,831,000 1,831,000 27,000 0 27,000 0 490,400 0 0 490,400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	33,0 169,2 28,0 28,0 142,5 433,7 1,707,0 1,929,0 1,929,0 602,6 1,500,0 153,0 133,0
		ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 58 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO PROSPECT HILL ADD UFLS RELAY TO PROSPECT HILL ADD UFLS RELAY TO WOLF ROAD CIP Total CENT NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET WEST NY-DIST-RELIABILITY BLANKET D/SUB T Blanket TOtal  *BROOK RD 52 - LEWIS RD CONVERSION *BROOK RD 52 - LEWIS RD CONVERSION *BROOK RD 51 - BUDLEBURD ROAD *FLORIDA-STONER FEDER TIE  *GROOMS RD 34556 - RTE 146 RECONDUC *MCCLELLAN 51 - UNION ST CONVERSION *MIDDLEBURGH 51 - WALLON ROAD *MUMFORD 5052 - RECONDUCTOR/CONVERT *NR-BREMEN 81556-BEECH HILL RD *NR-HIGLEY 92451-DIS INDIAN AREA	C075805 C075807 C075804 C075804 C075804 C075847 C076962 C075843 C075846 C075844 C075845 CNC0015 CNE0015 CNE0015 CNE0015 CNG0015 C049761 C049791 C049790 C049652 C029431 C0500485 C049789 C049789 C049789 C049789 C049789 C049788 C049789 C049781 C0500884	0 0 0 0 0 0 0 0 33,000 66,000 1,541,000 1,794,960 1,854,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 28,312 0 0 314,495 1,674,000 1,831,000 2,063,000 0 0 0 0 0 0 0 499,770 0 0 449,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 33,000 0 0 138,364 0 33,000 372,270 1,674,000 1,831,000 1,891,000 0 27,000 0 490,400 190,400 500,000 0 490,000 0 0 0 0 0	33,01 169,21 28,00 28,00 142,5 433,7; 1,707,00 1,929,00 1,500,00 1,500,00 1,500,00 1,500,00
		ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 58 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO DELMAR ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO WOLF ROAD CIP TOTAL  CENT NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET D/SUB T Blanket Total *BROOK RD 52 - LEWIS RD CONVERSION *BURGOYNE 51 - COUNTY HWY 41 *CHURCH ST 53 - CNTY HWY 132 CONVRT *FARNAN RD 51 - BLUEBIRD ROAD *FLORIDA-STONER FEEDER TIE *GROOMS RD 34556 - RTE 146 RECONDUC *MICLELLAN 51 - UNION ST CONVERSION *MIDDLEBURGH 51 - MALLON ROAD *MUMFORD 5052 - RECONDUCTOR/CONVERT *NR-BRENN 81556-BEECH HILL RD *NR-HIGLEY 92451-NYS HWY 56 -FDRTIE *NR-HIGLEY 92451-NYS HWY 56 -FDRTIE *NR-HIGLEY 92451-NYS HWY 56 -FDRTIE *ROAD RD 37-BALLTOWN RD CONVERSION *SHARON 52 - STATE ROUTE 145 *UNION ST. 53/54 - ROUTE 22 TIE *VAIL MILLS 53 - UNION MILLS RD. AMSTERDAM 51/53 WIDOW SUSAN AREA	C075805 C075807 C075804 C075804 C075804 C075846 C075846 C075846 C075846 C075846 C075846 C075846 C075846 C075847 C0760015 CNEO015 CO49761 C049790 C049652 C029431 C0500438 C050005 C049758 C049758 C049758 C049751 C046864 C046865 C049751 C056620 C049751 C056620 C019352 C028835	0 0 0 0 0 0 0 0 33,000 1,641,000 1,794,960 1,854,000 0 0 0 0 0 0 0 0 0 0 0 0 1,541,000 1,794,960 1,854,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 104,572 0 1,674,000 1,831,000 2,063,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 33,000 0 0 138,364 0 33,000 372,270 1,674,000 1,831,000 5,396,000 0 27,000 0 490,400 0 490,400 0 490,000 0 0 0 0 191,700 0	33,0( 33,0( 169,2/2 28,0( 28,0( 142,5) 1,707,0( 1,868,0( 1,929,0( 5,504,0( 602,64 1,500,0( 153,0( 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4) 153,0( 10,4
		ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 58 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO DELMAR ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO WOLF ROAD CIP TOTAL CENT NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET WEST NY-DIST-RELIABILITY BLANKET USUB T Blanket TOTAL **BROOK RD 52 - LEWIS RD CONVERSION **BROOK RD 57 - BRAIM RD CONVERSION **BROOK RD 57 - BRAIM RD CONVERSION **BURGGYNE 51 - COUNTY HWY 41 **CHURCH ST 53 - CNTY HWY 132 CONVET **GROOMS RD 34556 - RTE 146 RECONDUC **MCCLELLAN 51 - UNION ST CONVERSION **MIDDLEBURGH 51 - MALLON ROAD **MUMFORD 5052 - RECONDUCTOR/CONVERT **NR-BREMEN 81556-BEECH HILL RD **NR-HIGLEY 92451-NYS HWY 56-FDRTIE *	C075805 C075807 C075804 C075804 C075804 C075847 C076962 C075843 C075846 C075844 C075845 CNC0015 CNE0015 CNE0015 CNE0015 CNE0015 CNG9791 C049791 C049791 C049792 C049685 C0504885 C050085 C049758 C049789 C049789 C049792 C046864 C046865 C049792 C049792 C049792 C049792 C049792 C049885 C049795 C049795 C049795 C049795 C049795 C049792 C056620 C019352 C028835 C029835	0 0 0 0 0 0 0 0 33,000 0 66,000 1,541,000 1,794,960 1,854,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 314,495 1,674,000 1,831,000 2,063,000 0 0 0 0 0 0 0 0 0 0 314,495 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 33,000 0 0 138,364 0 0 33,3000 372,270 1,674,000 1,831,000 27,000 0 0 490,400 0 0 190,400 0 0 490,000 0 0 0 0 0 191,000 0 0 0 0 0 0 191,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	33,00 33,00 169,24 28,00 142,51 433,75 1,707,00 1,868,00 1,929,00 5,504,00 1,500,00 1,500,00 1,500,00 1,500,00 1,500,00
		ADD UFLS RELAY TO BUFFALO ST 43 ADD UFLS RELAY TO BUFFALO ST 54 ADD UFLS RELAY TO BUFFALO ST 58 ADD UFLS RELAY TO CLINTON ADD UFLS RELAY TO DELMAR ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO MIDDLEBURG ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO NEW KRUMKILL ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO SYCAWAY ADD UFLS RELAY TO WOLF ROAD CIP TOTAL  CENT NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET EAST NY-DIST-RELIABILITY BLANKET D/SUB T Blanket Total *BROOK RD 52 - LEWIS RD CONVERSION *BURGOYNE 51 - COUNTY HWY 41 *CHURCH ST 53 - CNTY HWY 132 CONVRT *FARNAN RD 51 - BLUEBIRD ROAD *FLORIDA-STONER FEEDER TIE *GROOMS RD 34556 - RTE 146 RECONDUC *MICLELLAN 51 - UNION ST CONVERSION *MIDDLEBURGH 51 - MALLON ROAD *MUMFORD 5052 - RECONDUCTOR/CONVERT *NR-BRENN 81556-BEECH HILL RD *NR-HIGLEY 92451-NYS HWY 56 -FDRTIE *NR-HIGLEY 92451-NYS HWY 56 -FDRTIE *NR-HIGLEY 92451-NYS HWY 56 -FDRTIE *ROAD RD 37-BALLTOWN RD CONVERSION *SHARON 52 - STATE ROUTE 145 *UNION ST. 53/54 - ROUTE 22 TIE *VAIL MILLS 53 - UNION MILLS RD. AMSTERDAM 51/53 WIDOW SUSAN AREA	C075805 C075807 C075804 C075804 C075804 C075846 C075846 C075846 C075846 C075846 C075846 C075846 C075846 C075847 C0760015 CNEO015 CO49761 C049790 C049652 C029431 C0500438 C050005 C049758 C049758 C049758 C049751 C046864 C046865 C049751 C056620 C049751 C056620 C019352 C028835	0 0 0 0 0 0 0 0 33,000 1,641,000 1,794,960 1,854,000 0 0 0 0 0 0 0 0 0 0 0 0 1,541,000 1,794,960 1,854,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 104,572 0 1,674,000 1,831,000 2,063,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 33,000 0 0 138,364 0 33,000 372,270 1,674,000 1,831,000 5,396,000 0 27,000 0 490,400 0 490,400 0 490,000 0 0 0 0 191,700 0	33,00 33,00 169,24 28,00 28,00 142,51 433,75 1,707,00 1,929,00 5,504,00 602,64 1,500,00 153,00 396,10 306,85

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
	8	BROOK RD 54 - ROUTE 50 CONVERSION	C048584	0	0	0	717,40
		BURDECK 26552 - WESTCOTT / CURRY RD BURDECK 52 ERR FUSING	CD01226 C060686	0	150,410	0	
		BURDECK 54 - DUANESBURG RD CONVERT	C056558	0	0	17,500	280,00
	D/SUB T ERR Eng Reliability Review	BURGOYNE 51 - CLOSE GAPS ON COUNTY CENTER ST 52 - HICKORY HILL RD CONV	CD00208 C056808	0	0	76,680 312,200	
		CENTER ST 54 - HYNEY HILL ROAD REBU	CD00357	0	0	200,000	
		CHRISLER AVE 25735 CONVERSION CHRISLER AVE 25737 CONVERSION	C057133 C057132	0	14,400 20,160	300,240 400,320	400,32
		CHRISLER REBUILT STATION - DIST GET	C064766	0	200,000	200,000	400,52
		CLINTON 36653-54 CONVERSION TIE	C053628 C057249	0	0	249,900	
		CURRY RD 52 - ALTAMONT 55 TIE EPHRATAH 31 - MUD RD RELOCATION	C056866	0	70,000	81,200 0	
		FLORIDA 51 - FORT HUNTER ROAD	C050693	0	0	0	
		FLORIDA 51 - MEAD ROAD FRONT ST 52 - SCHERMERHORN ST RECON	C050692 C056746	0	0	0	
		LYNN 55 - WEAVER ST 51 TIE CONVRT	C055708	0	208,600	0	
		MIDDLEBURG 51 - SCHOHARIE CREEK REM MIDDLEBURGH 51 - SPUR RD RELOCATE	C056970 C056987	7,000 46,200	33,600	0	
		NR_LYME 73351_T.I. 81455-NYSHWY12E_	CD01295	447,200	0	0	
		NR T.I. 81455-BREEZEY PINES RD-OVER NR-92759-MT PISGAH RD-RELOCATION	CD01137 C050201	67,200 265,200	0	0	
		NR-BRADY 95757-RIVERSIDE DR-FDRTIE	CD01191	580,000	0	0	
		NR-T.I.81458-COUNTY ROUTE 1-FDRTIE OGDENBROOK 51 - COTTAGE HILL RD	CD01187 C054983	0	0	230,400 100,000	
		REYNOLDS RD 33455 CONVERSION	C046683	0	134,400	0	
		SCHOHARIE 52 - STATE ROUTE 443 REBU	CD00424	0	0	298,400	272.00
		ST JOHNSVILLE - SANDERS ROAD (ERR) UNION ST 52 - BROWNELL RD. REBUILD	C029439 C056657	0	0	0	372,00 91,20
		UNION ST 52 - CONTENT FARM RD.	C056710	0	0	110,040	
		UNION ST 54 - LINCOLN HILL RD PH 1 VAIL MILLS 52 - COUNTY HWY 16 CONVT	C056625 C055530	0	0	117,040 196,000	
		VAIL MILLS 52 - HONEYWELL CORNERS	C055707	0	0	225,000	
		WEAVER 51 - CRANE & FRANCIS CONVERS	C057129	20,000	0	0	
	D/SUB	WEAVER 51 - PLEASANT ST CONVERSION Γ_ERR_Eng Reliability Review Total	C057110	2,320,000	322,630 4,079,270	5,228,200	4,829,9
		*BETHLEHEM 02155 GLENMONT RD CONV	C049990	0	0	203,310	, , ,
		*BLUE STORES 30352 - CONVERSION *BYRON F1863 - REBUILD /RECONDUCTOR	C050107 C049762	0	0	699,840	819,2
		*CREATE FULL TIE F15351 TO F15352	C049720	0	0	0	16,0
		*CREATE FULL TIE F18251 TO F18254 *CREATE FULL TIE F9354 TO F9353	C049882 C049783	0	356,000	0	16,0
		*E.GOLAH 5157 TIE W/LAKEVILLE 19752	C049880	0	0	0	16,0
		*HOOSICK 31451 - CONVERSION	C050082	0	0	199,750	
		*HOOSICK 31452 CONVERSION- HIGH ST. *HUDSON 08753 - RTE 9G CONVERSION	C050083 C050108	0	0	585,630 544,850	
		*MENANDS 10151 / 52 RELOCATIONS	C049998	0	750,360	0	
		*MIDDLEPORT F7765 TIE W/SHELBY 7656 *NR 76462-CORTE28-REBUILD	C049711 C049197	400,000	0	0	16,0
		*RBLD/CONV F15352 TO FULL TIE F6353	C049878	0	500,000	0	
		*RBLD/CONV TO CREATE TIE F7652-7651 *REBUILD DARIEN F1662 LIMITED TIE	C049802 C049634	0	0	16,000 16,000	440,00 20,00
		*REBUILD PORTION OF E.OTTO F2861	C049634 C049718	0	0	16,000	224,0
		*REBUILD PORTIONS OF CATT. F1562	C049686	0	0	0	511.1
		*SELKIRK 14951 -THATCHER/RIVER CONV *SELKIRK 52/ BETH 58-CREBLE RD CONV	C049985 C050001	0	0	10,530 258,400	511,1
		*TRINITY 16458 - MCCARTY AVE CONV	C050000	0	0	10,530	318,3
		*TRINITY 52- DELAWARE/PARK AVE CONV *WEIBEL 56 - WALL STREET REBUILD	C049999 C051325	0	172,550 0	0	11,4
		81452-HOPEWELL HALL ROAD REBUILD	C054910	0	0	144,500	11,4
		81453-ELLIS ROAD REBUILD&RELOCATION	C054930	0	0	0	96,0
		81458 DINGMAN POINT ROAD REBUILD RR 89552 DYKE ROAD - REBUILD	C054533 C052447	0	0	76,800 326,400	
		BAILEYSETTLEMENT-GORE RD_REBUILD	C054583	0	0	332,000	
		BATTENKILL 58 - CAMBRIDGE RD BOLTON 51 - TROUT LAKE RD 3 PHASE	C053182 C049560	499,800	0	125,800	
		BROOK ROAD 54 - OLD BALLSTON AVE.	C068126	0	0	0	85,8
		BROOK ROAD 55 - LAKE DESOLATION RD BUCKEY RD RETIREMENT	C050691 C070507	0 40	0	0	294,4
Daliebilie		CAMILLUS DSUB	C0/0507 C046637	0	0	0	
Reliability		CHURCH ST 56 - CONVERT VROOMAN AVE	C048241	0	266,050	0	
		CIP V5-C&I (NMPC LOW) NY EAST CIP V5-C&I (NMPC-LOW) NY WEST	C075755 C075756	115,000 10,000	0	0	
		CLINTON 53 - BAUM & BURRELL ROADS	C050684	0	0	0	
		CORINTH 52-MAIN ST REBUILD/CONVERT CR- LHH 44 2012 NYS PSC ACTION ITEM	C058899 CD00953	0	0	112,200 348,800	
		CR- LHH44-N OSCEOLA RD	C055443	0	0	192,000	
		CR- LORDS HILL 66 RECONDUCTORING	C054563	0	0	303,200	
		CR- NILES 51 DOLPHIN POINT QRS CR- SANDY CREEK 51 WART RD REBUILD	C053106 C050679	0	0	300,050 98,600	
		CR- WINE CREEK 53 TIE	C055690	0	0	275,200	
		DELAMETER F9352 RECONFIGURED LAYOU EAST FULTON DEMO	C047886 C046630	0	0	766,400 0	412,3
		F0153 - WALKER RD PIW	C048179	0	0	0	148,
		F0456/0457 BUILD FEEDER TIE	C049540	0	0	0	500,
		F22652 KNAPP RD - STORM HARDENING F4361 PIW - LITTLEVILLE ROAD	C052066 C047870	0	0	149,600	700,
		F9263 - ROUTE 31 PIW	C049084	0	0	200,000	
		F9354 NEW TIE FORT GAGE 54 - ROUTE 9L REBUILD	C056867 C050680	0	999,600	0	·
		GROVELAND ST. F4161 - SMALL WIRE	C050680 C049909	0	999,600	304,000	
	D/SUB T_Reliability	HINSDALE DSUB	C046638	0	0	13,200	
		KNAPP RD 22651 FEEDER TIE LAND-WATERTOWN - GREENFIELD SUBSTA	C028716 C061245	0	50,000	100,000	
		LEHIGH ADD 2ND BANK D-LINE	C061245 C074946	250,000	50,000	100,000	
		LITTLE RIVER NEW 95555 FEEDER	C050922	15,000	0	0	
		MIDDLEBURGH 51/SCHOHARIE 51 LS MIDDLEPORT ST F7765- SMALL WIRE -2	C050764 C049905	0	216,000	0	
		MILITARY RD NEW FEEDER 21055	C049905 C036566	0	41,000	364,500	
	İ	MILL ST LVAC 2014 UPGRADES-N-2	C053903	0	0	155,200	500,0
		MILL ST_LVAC_2014_UPGRADES-N-1	C054385	0	104,800	280,000	

MANAGE AND ACCESS DATE   BELLOSING CTD   CORNELS   COR	Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
Wide Sci. And Time Rep   PRICEOTOCY (VIR)   Content			MV-POLAND 62258 ROUTE 8 RECONDUCTO	CD00885	0	0	0	0
Comparison   Com								432,800
Quantity								700,000
NOT YEAR SHOWLAND TO SHOW A STATE OF THE STA							-	2,000,000
NOT DET CHILL TO ANA AREA NEW DITING   NOTE   NOT			NEW CICERO SUBSTATION DSUB	C046475		570,000	2,688,500	6,611,220
NOTES   NOTE								300,000
SCHILLEGE S. CONVINCE RECULE 25  SCHILLEGE S. PARCHELL MARY TO					,		400,000	
SOUTH CRUIK ST. PERMAND MILL ROADS   1								0
NOTHER CHEEKS   THE CAPTURE VALLEY RED   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.00002   0.0								0
NELFONNERS SEPTEMBERS   CROSS   CONTROL			NORTH CREEK 52 - PEACEFUL VALLEY RD	C049622	0	0	499,800	0
SERVING   PROPERTY   DESCRIPTION   DESCRIP								0
VY - JANEE					,			0
ST VIST   FIFE CITYOT INSTITUBLE DELECTION   0   10   234   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734   10734								102,234
CORDENBUCK ST. CONVEYT AVAILABLE MAIL (2013)   CORDENBUCK ST. CONVEYT AVAILABLE MAIL (2013)   CORDENBUCK ST. CONVEYT AVAILABLE MAIL (2013)   CORTESPOULD ST. LEANT SPEED IR. (2005)   CONTESPOULD ST. LEANT SPEED IR. (2005)   CONTESPOUND ST.								
FORT HENDY S. J. DALTON HELE D.   COS4254   0   1   50,000   1								0
POTTERSVEELE 11. LAST SIGNED BR   POTTERSVEELE 12. LAST SIGNED BR   POTTERS CHEEK   1. LAST SIGNED B								0
PROCEOSES CINERAL TON IDMO   CHEENERS   7.7 PROCESS   0.000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.0000   0.00000   0.00000   0.00000   0.00000   0.00000   0.00000   0.00000   0.000000   0.00000   0.00000								0
BLCCONDLY COR \$557 TRE TO \$582			PROCTORS GENERATION DEMO	C068750	472,000	0	0	0
REV_TEPDER MONITORIS						. ,		207 500
REPNACIDER DI 1457 - \$PHIASE IN REX.   CAMAGGA   0   20   202,200   0   0   0   0   0   0   0   0   0								297,300
SCHIPVERVILLE   1								0
SILAWANE ROAD 76   CASIGOS   28.500   0   0   0   0   CASIGOS								0
SHAWNER RODA FORDINGS   COMPONED   1.2000						. ,,		0
TWO MILE CREEK RD - DLNS			SHAWNEE ROAD 76 (DLINE)	CD00967	12,000	0	0	0
ENROR ST 2- GREPHER/NOR DI CONVERT   INNON ST 3- LEVEN/NH IIR ROAD   0.96779   0. 0. 112,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000   0. 142,000								0
ENION ST 53 - CENTYN HAVE   CREATED   CREATE			UNION ST 52 - GREENE/KING RD CONVER		0	0	12,000	0
VAL MILS 51 - NOONAA RD CONVIRT   005412   0   0   130,689   0   0   0   0   0   0   0   0   0			UNION ST 53 - KENYON HILL ROAD					0
VALEN 42753 - STIV 03552 TIE								0
WEST HAMILES 2: DISTALL TRANSFORM CORDS  WIST HAMILES 2: DISTALL TRANSFORM CORD (2) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								300,000
##ST HAMIN S2 - INST ALL TRANSFORM   C001089   32,300   0   0   0   0   0   0   0   0   0			WATERTOWN NEW 115/13.2 KV SUBSTATIO					0
WEST HAMILIN S2 - NEW TH2 - INSTALL			WEST HAMLIN 82 - INSTALL TRANSFORM					0
DSUB T   See Niv& Arcflash Mitigation   ARC FLASH MIDDATRON - 480V SPOT NET   CD01278   0.300,550   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,650   300,								737,020
DSUB T_Sec Nivek Areflash Mitigation  reflash Mitigation No. 100 (0.01461) (0.01561) (0.0100) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.0000) (0.00				C050878				0
DSUB T, See Niek Arcflash Mitigation   ARCFLASH NY EAST DIVASIOV SPOT NW   C017461   0   1997.50   1997.50   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.050   300.0				CD01278				300,050
DSUB T_Side Tap Fusing   EN CIBIC T-AP FUSING   C 0.5511   0		D/SUB T_Sec Ntwk Arcflash Mitigation	ARC FLASH NY EAST DIV 480V SPOT NW					199,750
DISUBIT_Side Tap Fusing		D/SUB *		C047461				
D.S.U.B. I_SNEE TAP FUSING		Disco :		C015511				0
WEAVER S1 - GUILDERLAND AVE RECON   0.07032   0 0 0 0 18,750		D/SUB T Side Tap Fusing						0
DNUB T_Side Tap Fusing Total   4295-IHUR PITORE BD STORM HARDENING   C052248   999,600   0   0   0   0   0   0   0   0   0								
Hapten   H		D	SUB T_Side Tap Fusing Total		0	0	0	18,750
BATTENKIL 3-FY17 STORM HARDENING								0
CHESTERIOWS 3-FY16 STORM HARDENING   C057366   840,330   0   0   0   C								0
DSUB T_Storm Hardening			CHESTERTOWN 51-FY16 STORM HARDENING	C057306	360,000	0	0	0
Page								0
NORTH SHORE ROAD - REBUILD   C052073   64,000   290,000   0   0   S10   C057289   0   0   0   35,1909   C   S10   C157289   C   0   0   35,1909   C   C157289   C   C157		D/SUB T_Storm Hardening						0
SCOFIELD 53 - FY16 STORM HARDENING			NORTH ONOR DOLD DEPTH D	00.500.50	64.000			0
SHEPPARD RD 2951 - STORM HARDENING								0
DISUB T   Substation Flood Mitigation   DISUB T   Substation Flood Mitigation Total   DISUB T   Substation Mobile   DISUB T   Substation Flood Mitigation Total   DISUB T   Substation Mobile   DISUB T   Substation Mobile   DISUB T   Substation Mobile   DISUB T   Substation Mobile Total   DISUB T   DISU			SHEPPARD RD 2951 - STORM HARDENING	C057429	0	420,000	0	0
INDIAN CREEK RD SUBSTATION		n.		C057411				0
D/SUB T_Substaion Flood Mitigation   UNION FALLS F-LOOD MITIGATION   C053167   0   0   0   0   0   0   0   0   0		D/	INDIAN CREEK RD SUBSTATION	C056566				0
CINION FALLS FORD MITIGATION DLINE   C0652164   2,550   0   0   0   0   0   0   0   0   0		D/SUB T Substaion Flood Mitigation	UNION FALLS - FLOOD MITIGATION	C053167	0	0	0	0
D/SUB T_Substation Flood Mitigation Total								0
DISUB T_Substation Mobile		D/SUB	T_Substaion Flood Mitigation Total			569,500	0	0
UNY NEW 115 KV 40 MVA MOBILE		D/CID T Calcardia Makil						1,000,000
Distribution Line Sensors/Monitors		D/SUB 1_Substation Mobile						
Distribution Line Sensors/Monitors   FEEDER MONITORS / SENSORS- NY EAST   C076142   0   193,070   193,070   193,070   193,070   FEEDER MONITORS / SENSORS- NY WEST   C076144   0   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,7		D/5	SUB T_Substation Mobile Total		0	1,000,000	1,000,000	2,080,000
FEEDER MONITORS / SENSORS- NY WEST   C076144   0   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675,743   675		Distribution Lina Sansara/Manite						631,188
Distribution Line Sensors/Monitors Total		DISTITUTION LINE SENSORS/MONITORS						675,743
Network Transformer DGA Monitors   Network Transformer DGA - NYE		Distri	bution Line Sensors/Monitors Total		0	1,500,000	1,500,000	1,500,000
Network Transformer DGA - NYW		Network Transformer DGA Monitors						
Network Transformer DGA Monitors Total   200,000   900,000   900,000   900,000   Reliability Total   18,534,830   27,878,886   33,324,731   33,779,085   27,878,886   33,324,731   33,779,085   27,878,886   33,324,731   33,779,085   27,878,886   33,324,731   33,779,085   27,878,886   33,324,731   33,779,085   27,878,886   33,324,731   33,779,085   27,878,886   27,878,886   33,324,731   33,779,085   27,878,886   27,878,886   27,878,886   28,3000   283,000   283,000   283,000   28,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,000   328,00			Network Transformer DGA – NYW		200,000	300,000	300,000	300,000
CENT NY-DIST-LOAD RELIEF BLANKET   CNC0016   513,000   523,000   523,000   534,000	<b></b>							900,000
D/SUB T_Blanket		Keliab		CNC0016				534,000
D/SUB T Blanket Total   1,775,880   1,811,000   1,811,000   1,848,000		D/SUB T_Blanket	EAST NY-DIST-LOAD RELIEF BLANKET	CNE0016	940,920	960,000	960,000	979,000
IE - NC DIST TRANSFORMER UPGRADES   C014846   0   0   0   0   0   0   0   0   0				CNW0016				335,000
IE - NE DIST TRANSFORMER UPGRADES   C015828   0   0   0   0   0   0     IE - NW DIST TRANSFORMER UPGRADES   C010967   0   0   0   0   0     IE - NW DIST TRANSFORMER UPGRADES   C010967   0   0   0   0   0     D/SUB T DIST TransformER Repl Total   0   0   0   0   0     *CEDAR 51 - BUTTERMILK FALLS RD   C049764   0   0   250,290   455,220     *FIREHOUSE 44953 - DUNSBACH RD CONV   C049864   0   207,360   0   0   0     *FIREHOUSE RD STATION - NEW FEEDER   C050081   0   0   340,000   440,000     *HAGUE RD 52 - CONVERT ROUTE 22   C050717   0   0   0   0   1,000,350     *PAWLING AVE CONV (29252/37253)   C050103   0   0   1,099,980   1,099,980     *VAIL MILLS 51 - COUNTY HWY 107   C049793   0   0   0   0   0     *WILTON 52 - RT 32 3 PHASE EXT.   C019570   0   0   0   0   0				C014846				1,848,000
D/SUB T_Dist Transformer Repl Total   0 0 0 0 0 0 0 0   0   0   0   0   0		D/SUB T_Dist Transformer Repl	IE - NE DIST TRANSFORMER UPGRADES	C015828	0	0	0	0
*CEDAR 51 - BUTTERMILK FALLS RD		D/CI		C010967				0
*FIREHOUSE 44953 - DUNSBACH RD CONV         C049864         0         207,360         0         0           *FIREHOUSE RD STATION - NEW FEEDER         C050081         0         0         340,000         400,000           *HAGUE RD 52 - CONVERT ROUTE 22         C050717         0         0         0         1,000,35C           *PAWLING AVE CONV (29252/37253)         C050103         0         0         1,099,980         1,099,980           *VAIL MILLS 51 - COUNTY HWY 107         C049793         0         0         0         0           *WILTON 52 - RT 32.3 PHASE EXT.         C019570         0         0         0         0		D/30		C049764				455,220
*HAGUE RD 52 - CONVERT ROUTE 22 C050717 0 0 0 1,000,350  *PAWLING AVE CONV (29252/37253) C050103 0 0 1,099,980 1,099,980  *VAIL MILLS 51 - COUNTY HWY 107 C049793 0 0 0 0 0 0  *WILTON 52 - RT 32 3 PHASE EXT. C019570 0 0 0 0			*FIREHOUSE 44953 - DUNSBACH RD CONV	C049864	0	207,360	0	0
*PAWLING AVE CONV (29252/37253)								
*VAIL MILLS 51 - COUNTY HWY 107	1		*PAWLING AVE CONV (29252/37253)					1,000,330
			*VAIL MILLS 51 - COUNTY HWY 107	C049793	0	0	0	0
			*WILTON 52 - RT 32 3 PHASE EXT. 81452 WESTMINSTER PARK RD - REBUILD	C019570 C052344	0	0	0	0

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
Spending Kationale	riogiani	89552 CROOKS ROAD - REBUILD	C052443	0	0	0	459,850
		8TH ST CONVERSION NIAGARA FALLS 97654 SKINNERVILLE ROAD - REBUILD	C046841 C052370	0	178,800	0	236,300
		BATTENKILL 57-NORTH RD RATIO RELIEF	C057410	0	0	0	0
		BEECH AVE CONVERSION NIAGARA FALLS BROOK ROAD 55 - BARNEY RD. REBUILD	C032751 C047978	0	850,000 0	340,000	0
		BRUNSWICK 26453 - SOUTH RD CONV	C045696	0	0	272,160	0
		BUFFALO STATION 129 - F12974 RECOND BURDECK 26552 - BURNETT ST CONVERSI	C046558 C046632	0	297,500	730,150	0
		BUTLER 53 - ADD BREAKER FOR 53 CKT	C047481	52,250	0	0	0
		BUTLER 53 - BUILD 36253 FEEDER - OH CENTER ST 52 - ROUTE 5 REBUILD/CONV	C047455 C048833	0	0	0	453,900 0
		CLINTON 54 - E MAIN ST CONVERSION	C055366	0	74,900	0	0
		COFFEEN 76053 HOLCOMB ST - REBUILD COLLAMER CROSSING D LINE OH WORK	C052188 C070390	350,200 7,000	0	0	0
		COLLAMER CROSSING D LINE OIL WORK  COLLAMER CROSSING D LINE UG WORK	C070390	2,270,000	0	1,730,000	924,000
		COLLAMER CROSSING D SUB WORK	C070393	6,500,000	400,000	1,000,000 407,200	2,700,000
		CR- 23553 CEDARVALE RATIO RELIEF CR BREWTON RETIRE	C051803 C010751	0	3,270	407,200	0
		CR- CONVERT 26554 BROOKLEA DR	C052226	0	0	635,200	0
		CR- CONVERT 29351 NORTH OF STATION CR- PEBBLE HILL BURKE RD RATIO	C049397 C051710	0	0	160,000	0
		DELAET'S LANDING DXD	CD00893	0	15,000	9,720	608,310
		EAST PULASKI TRANSFORMER UPGRADE EDEN SWITCH STRUCTURE -INSTALL 2-10	C046634 C046538	0	0	0	288,800
		EDEN SWITCH STRUCTURE- NEW FDR 1	C048015	0	0	0	39,690
		EDEN SWITCH STRUCTURE- NEW FDR 2 F21555 REPLACE 4/0 PLAC GETAWAYS	C048016 C057293	0	0	0	8,100 10,500
		FAIRDALE DLINE	C046633	0	50,000	100,006	0
		FAIRDALE DSUB FORBES AVE - NEW SUBSTATION	C046640 C053137	0	385,000	1,000,000	499,700
		FRANKHAUSER NEW STATION - LINE WORK	C053137 C028929	863,800	499,770	0	499,700
System Capacity	D/SUB T_Load Relief	GENSEE ST. FEEDER CONVERSIONS	C051873	0	0	0 500,000	500,000 500,000
	_	GROOMS RD 34557 - SARATOGA RD CONVE HARRIS 54 RELIEF	C046761 C032446	0	0	210,840	599,760
		JUNIPER DISTRIBUTION REMOVAL WORK	C050245	0	0	0	0
		LAND-CICERO SUBSTATION MALONE NEW 89554 FEEDER (LINE WORK	C071028 C046626	0	500,000	0	10,000
		MAYFIELD 51 - PARADISE POINT RD	C050069	0	0	288,360	0
		Menands 10158 Conversion MILITARY RD NEW F21052 - N FALLS	C076229 C054046	108,000	0	0	0
		MILTON AVE 2ND SWITCHGEAR	C046609	214,225	0	0	0
		MILTON AVE DLINE OGDENSBURG 93852 HWY 37 - REBUILD	C046643 C052143	119,850	532,980	763,460 0	1,005,550
		QUEENSBURY DLINE RE-ROUTE GETAWAYS	CD00895	595,350	0	0	0
		RAQUETTE LAKE TRANSFORMER UPGRADE	CD01139	0	300,000	399,840	0
		REPLACE RELAYS AT ASHVILLE STATION RETIREMENT OF JUNIPER SUB 500	C071466 C049685	0	80,000	0	0
		RR-MENANDS 10157-GETAWAY REPLACEMEN	C053966	0	0	0	499,550
		S.LIVINGSTON RELIEF: F5 WORK S.LIVINGSTON RELIEF: FD3 WORK	C051692 C051690	0	0	0	50,000
		S.LIVINGSTON RELIEF: FD4 WORK	C051691	0	879,660	852,930	0
		S.LIVINGSTON RSLIEF: DIST FDER WORK SODEMAN RD - NEW STATION - DIST GET	C051694 C046796	0	1,385,000	60,000 1,200,000	310,230 1.800.000
		SODEMAN RD STATION - NEW STATION -	C046798	2,500,400	3,499,650	1,999,800	499,700
		SONORA WAY SUBSTATION WITH 6 FDERS SOUTH LIVINGSTON RELIEF - DLINE FD2	C060141 C046552	0	50,000	1,500,000 890,190	4,500,000 549,990
		STATION 3012 D-LINE	C074911	0	963,300	9,500	0
		STATION 3012 SUBSTATION STONER 52 - MOHAWK DR CONVERSION	C050421	0	2,699,510 350,200	3,191,300 350,200	1,000,070
		TEAL SUBSTATION REBUILD-FEEDERS	C050421 C046505	0	0	20,000	747,968
		TEAL SUBSTATION REBUILD-SWGR	C046511	0	0	0	0
		TIBBETS 29254 - 15TH AVE CONVERSION UNION ST 52 - COUNTY HWY 59	C046425 C056632	0	223,550	0	25,420
		UNION ST 54- TURNPIKE RD CONVERSION	C055735	0	499,800	500,000	0
		VAN DYKE - UG - CIVIL & ELEC WORK VAN DYKE STATION - NEW 115/13.2KV S	C052098 C046490	0	0	4,369,000 796,100	5,333,300
		VAN DYKE STATION - NEW 56 DIST FEED	C046487	0	0	0	2,167,500
		VAN DYKE STATION-NEW 54 DIST FEED. VAN DYKE SUBST- NEW 57 DIST FEEDER	C046495 C046488	0	0	0	1,853,000
		VAN DYKE SUBST- NEW FEEDERS	C016087	0	0	1,219,750	0
		WARRENSBURG 51 - COUNTY HOME BRIDGE WATT ST 23051-HAMBURG ST CONVERSION	CD01133 C051804	98,600	0 169,150	0	0
		WELCH AVE CONVERSION LOAD RELIEF	C046842	0	77,760	0	0
		D/SUB T_Load Relief Total	0077000	13,679,675	15,172,160	27,195,976	31,136,738
		NY VVO Central - D-Line NY VVO CENTRAL - SUBSTATION	C077098 C076103	0	0	758,700 404,000	1,179,200 606,000
	-Volt-Var Optimization / Conservation	NY VVO East - D-Line	C077097	0	0	504,300	899,500
	Voltage Reduction (VVO/CVR)	NY VVO EAST - SUBSTATION NY VVO West - D-Line	C076088 C077099	0	0	404,000 276,000	606,000 1,474,300
		NY VVO WEST - SUBSTATION	C076105	0	0	202,000	404,000
		/ Conservation Voltage Reduction (VVO/CVR) Total apacity Total		0 15,455,555	16,983,160	2,549,000 31,555,976	5,169,000 38,153,738
	System C	ADVANCED METERING FUNCTIONALITY NYC	C076383	0	0	0	38,133,738
		ADVANCED METERING FUNCTIONALITY NYE	C076382	0	0	0	0
	Advanced Metering	ADVANCED METERING FUNCTIONALITY NYW ADVANCED METERING SOFTWARE NYC	C076384 C077181	0	0	0	0
		ADVANCED METERING SOFTWARE NYE	C077179	0	0	0	0
		ADVANCED METERING SOFTWARE NYW Advanced Metering Total	C077182	0	0	0	0
		EMS/RTU INSTALLS - NY CENTRAL	C076124	0	0	1,260,000	1,260,000
		EMS/RTU INSTALLS - NY EAST	C076123	0	0	1,440,000	1,440,000 900,000
		EMS/RTU INSTALLS - NY WEST	C076125 C075024	0	530,000	900,000 263,000	900,000
		ALDER CREEK-ADD EMS/MOD	C0/3024				
		ALDER CREEK-ADD EMS/MOD BREMEN - EMS EXPANSION/RTU INSTALLA	CD01301	197,233	0	0	
	D/SUB T_Substation RTU	ALDER CREEK-ADD EMS/MOD BREMEN - EMS EXPANSION/RTU INSTALLA PORT HENRY 385 - EMS EXPANSION	CD01301 C053048	197,233 200,600	0	0	0
ommunications/Control	D/SUB T_Substation RTU	ALDER CREEK-ADD EMS/MOD BREMEN - EMS EXPANSION/RTU INSTALLA PORT HENRY 385 - EMS EXPANSION REP - DIST SUBS WITHOUT RTUS RTU M9000	CD01301 C053048 C019851 C069687	197,233 200,600 0 875,700	0 679,054 1,263,000	0 678,758 1,629,000	0 678,758 1,299,000
Communications/Control Systems	D/SUB T_Substation RTU	ALDER CREEK-ADD EMS/MOD BREMEN - EMS EXPANSION/RTU INSTALLA PORT HENRY 385 - EMS EXPANSION REP - DIST SUBS WITHOUT RTUS RTU M9000 STATION 129 BROMPTON RD - EMS EXPAN	CD01301 C053048 C019851 C069687 C053086	197,233 200,600 0 875,700 218,250	0 679,054 1,263,000 0	0 678,758 1,629,000 0	0 0 678,758 1,299,000 0
	D/SUB T_Substation RTU	ALDER CREEK-ADD EMS/MOD BREMEN - EMS EXPANSION/RTU INSTALLA PORT HENRY 385 - EMS EXPANSION REP - DIST SUBS WITHOUT RTUS RTU M9000	CD01301 C053048 C019851 C069687	197,233 200,600 0 875,700	0 679,054 1,263,000	0 678,758 1,629,000	0 678,758 1,299,000

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
		D/SUB T_Substation RTU Total		1,959,323	2,472,054	6,170,758	5,577,758
		EMS/RTU UPGRADE - STATIONS NY CENT	C076108	0	175,000	1,520,000	1,520,000
		EMS/RTU UPGRADE - STATIONS NY EAST	C076107	0	325,000	825,000	825,000
		EMS/RTU TELECOM - DLINE NY CENT	C076112	0	0	241,250	241,250
	D/SUB T Telcom	EMS/RTU TELECOM - DLINE NY EAST	C076111	0	0	181,500	181,500
	D/SOB I_Teleoni	EMS/RTU TELECOM - DLINE NY WEST	C076122	0	0	110,500	110,500
		EMS/RTU UPGRADE - STATIONS NY WEST	C076110	0	175,000	676,250	676,250
		NY DIST TELECOM STUDY	C069706	40,000	0	0	0
		TELECOM AND RADIO EQUIPMENT	C004157	750,000	995,000	995,000	995,000
		D/SUB T_Telcom Total		790,000	1,670,000	4,549,500	4,549,500
	Substation RTU	EMS/RTU for DSCADA	C077972	0	2,830,000	4,720,000	930,000
	Substation RTU Total			0	2,830,000	4,720,000	930,000
	Communication	ons/Control Systems Total		2,749,323	6,972,054	15,440,257	11,057,258
		DEMAND REDUCTION REV DEMONSTRATION	C075326	6,853,072	0	0	0
		DISTRIBUTED SYSTEM PLATFORM REV DEM	C075764	2,908,201	613,242	0	0
	Other	FRUITBELT REV DEMO	C074056	1,987,004	0	0	0
	oulei	DG NY Eastern Division 3V0	C077815	0	0	0	0
DER Electric System		DG NY Central Division 3V0	C077816	0	0	0	0
Access		DG NY Western Division 3V0	C077817	0	0	0	0
Access		Other Total		11,748,277	613,242	0	0
		BRADY R550 DTT FOR WOODCREST DAIRY	C071409	10,000	0	0	0
	Waste Digestor	DG NY12651 WADHAMS HYDRO DTT	C075283	286,000	0	0	0
		NY DIST WASTE DIGESTER SUBSIDY	C069707	1,000	1,000	1,000	1,000
	·	Waste Digestor Total		297,000	1,000	1,000	1,000
		ic System Access Total		12,045,277	614,242	1,000	1,000
	·	Grand Total		283,490,681	301,374,723	326,486,517	335,380,714

### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Transmission Capital Investment Plan FY18 - FY21 (\$)

pending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
	Asset Condition I&M	NY Inspection Repairs - Capital Asset Condition I&M Total	C026923	12,002,000 12,002,000	15,000,000 15,000,000	12,000,000 12,000,000	12,000
		345kV Laminated Cross-arm-Placehold	C060365	2,426,000	3,000,000	3,000,000	3,000
		Access Road Packard-Hunt 115 kV	C076862	500,000	1,000,000	0	
		Alabama-Telegraph 115 T1040 ACR.	C033014	300,000	4,600,000	0	
		Alcoa Fence Replacement	C072207	55,000	0	0	
		Alps relay replacement	C049296	118,000	0	0	
		Amsterdam - Station Retirement AMT PIW/SERR - NIMO	C076006 C031545	250,000	8,000 250,000	250,000	250
		Ash St. 115-12kV TRF Asset replace	C076282	500,000	1,200,000	650,000	130
		Balmat - Repl liquid filled fuse	C076189	0	1,200,000	0.50,000	2
		Batavia - Obsolete Relays	C073587	0	43,000	65,000	
		Batavia - Replace five OCBs	C075904	0	240,000	1,230,000	54
		Batavia-Golah 119 ACR	C060217	0	0	300,000	
		BatteryRplStrategyCo36TxT	C033847	160,000	684,000	500,000	55
		Battle Hill - replace 3 OCBs	C049543	778,000	0	0	
		Bethlehem Relay Replacem't Strategy	C049583	115,000	0	0	
		Boonville Rebuild	C049903	0	0	50,000	30
		Boonville-Rome 3-4 T4060-T4040 ACR Border City-Elbridge #15/#5 ACR	C047795 C075723	75,000 0	300,000	1,000,000	3,00
		Br F-Taylorville 3-4 ACR	C024359	2,508,000	0	0	3,00
		Breaker T Repl Program 4-69kV NYC.	C049258	597,000	597,000	597,000	60
		Breaker T Repl Program 4-69kV NYE	C049257	598,000	598,000	598,000	60
		Breaker T Repl Program 4-69kV NYW	C049260	650,000	598,000	598,000	60
		Brockport Tap Refurbishment	C055531	0	0	0	10
		Carr St./E.Syracuse CO-Gen Relays	C049739	394,000	0	0	
		Colton-BF 1-2 T3140-T3150 ACR	C036164	0	0	0	10
		Colton-Replace CBs and Disconnects	C029844	30,000	0	0	
		Curtis St - Oil Breaker Replacement	C049584	349,000	0	0	
		Dewitt - Remote End Work	C075822	54,000	2 505 000	0	10.00
		Dunkirk Rebuild	C005155 C073999	563,000	3,595,000	12,392,000	12,40
		Dunkirk Substation Rebuild CH		100,000	400,000	2,000,000	20
		Dunkrk-Falc 161-162 T1090-T1100 ACR EASEMENT-RELOCATE S. DOW-POLAND 865	C047831 C072888	750,000	0	100,000	20
		East Norfolk - Repl liq filled fuse	C072888 C076188	750,000	0	0	2
		Edic/N Scotland-NG Assoc work-TOTS	C058064	400,000	0	0	
		Edic: Protection Migration	C076214	0	600,000	1,100,000	50
		Elm St #2 TRF Asset Replacement	C069426	500,000	3,000,000	2,000,000	1,00
		Existing Control Bldg - Tran-NY	CNYT352	250,000	250,000	250,000	25
		Falconer Cap Bank BKR Asset Replace	C065468	470,000	0	0	
		Feura Bush Relay Replacement	C049585	720,000	0	0	·
		Frontier 180 182 ACR/Recond	C027436	0	0	0	30
		Frontier 181 ACR/Recond	C060215	0	0	0	30
		Gard-Dun 141-142 N Phase Rebuild	C003389	2,225,000	8,685,000	22,790,000	28,44
		Gard-Dun 141-142 South Struct Repl	C077024 C005156	650,000 24,894,000	40,000 5,706,000	493,000	
		Gardenville Rebuild Gardenville-Rebuild Line Relocation	C005156 C030084	6,314,000	7,210,000	4,589,000	66
		Gard-HH 151-152 T1950-T1280 S ACR	C027425	100,000	200,000	200,000	1,00
		GE Butyl Rubber VT Replacement	C049002	321,000	0	0	1,00
		Geres Lock Switch Replacements	C073446	4,000	0	0	
		GOLAH RELAY & BREAKER PROGRAM REPL	C050920	0	55,000	490,000	95
		Greenbush Relay Replacement	C049587	330,000	0	0	-
		Greenbush-Stephentown #993 ACR	C060208	100,000	200,000	200,000	1,00
		G'ville/HH 152 Vange/J-hook Replace	C069689	500,000	0	0	
		Homer Hill - Replace five OCBs	C075942	0	0	200,000	24
		Homer Hill - West Olean 156 ACR	C060218 C027429	0	400,000	300,000	
		Homer Hill-Bennett 157 T1340 ACR Hoosick - Replace Bank 1 & relays	C027429 C053132	0	100,000	3.000.000	3,40
		Huntley - Install Control Bldg	C067027	2,450,000	0	3,000,000	3,40
		Huntley-Install Collaboration Blug Huntley-Gardenville 38/39 Rebuild	C075543	2,430,000	0	0	
		Huntley-Lockport 36 37 ACR	C069538	300,000	10,000,000	6,300,000	10
		Independence Station relay Replace	C049598	55,000	524,000	0,500,000	.0
		Inghams Phase Shifting Transformer	C047864	50,000	4,410,000	0	
		Inghams Station - Assoc Line work	C060240	0	0	0	10
		Inghams Station Re-vitalization	C050917	0	50,000	173,000	70
		Inghams Station Revitalization CH	C074000	0	0	0	10
		Inghams-E. Springfield #7 ACR	C060209	0	0	100,000	20
		Kensington #4 & #5 TRF asset replac	C069429	0	0	250,000	2,50
		Leeds - Replace U Series Relays	C024663	88,000	0	0	
	Component	Leeds Station Service LightHH 115kV CH	C049900	48,000	0	100,000	2,40
	Fatigue/Deterioration	LightHH 115kV CH LightHH 115kV Yard Repl & cntrl hs.	C073996 C031662	5,000	25,000	300,000	1,80
Asset Condition	. augus/Deterioration	LightHH Trans Lines Reconnect	C031662 C073997	3,000	23,000	50,000	5(
		Lockport 103-104 T1620-T1060 STR	C027432	0	0	0	30
		Lockport Sub Rebuild CH	C073991	0	0	0	10
		Lockport-Batavia 108 T1500 STR.	C027431	100,000	200,000	100,000	
		Lockport-Batavia 112 T1510 ACR	C003422	100,000	300,000	2,500,000	12,00
		Lockport-Mortimer 111 T1530 ACR	C003417	500,000	0	0	
		LockportSubstationRebuildCo36TxT	C035464	0	50,000	400,000	2,20
		Long Lane Relay Replacement	C049600	660,000	0	0	
		Maplewood - Replace one OCB	C075867	0	0	210,000	28
		Maplewood-Norton-Replace Pilot Wire	C036006	80,000	0	0	
		Marshville - replace R11 OCB	C049547	9,000	1 417 000	2 070 000	2.20
		Menands Cntrl Bldg & Relay Replemt	C049601	187,000	1,417,000	3,070,000	3,38
		Mohican - Replace Bank 1 and Relays	C053133	125,000	100,000	2,300,000 2,763,000	1,59
		Mortimer #3 Auto TRF Replace Mortimer-Golah #110 ACR	C076283 C060220	125,000	675,000	2,763,000	30
		Mortmr-Pannll 24-25 T1590-T1600 ACR	C060220 C047816	0	100,000	200,000	1,00
		New Scotland - Obsolete Rly Rpl LN3	C047816 C076344	338,000	0	200,000	1,00
		New Scotland - Obsolete Rly Rpl LN3 New Scotland - replace 345kV OCBs	C0/6344 C049553	19,000	0	0	
		New Scotland 345kV&115kV Relay Repl	C049553 C047861	562,000	0	0	
		New Walden #2 TRF asset replacement	C047861 C064192	950,000	0	0	
		Niagara-Lockport 101/102 ET-Truss	C060216	650,000	0	0	
			C053604	4,000	0	0	
				4.000	U		
		Northeast Region Switch Operation  Norwood - Repl liquid filled firse			0		
		Norwood - Repl liquid filled fuse NY Priority OHL Tran Switch Repl	C076187 C076621	630,000	630,000	630,000	63

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
İ		Oswego - 115kV & 34.5kV - Rebuild Oswego: 115kV Control House	C043426 C061991	2,644,000 1.287.000	3,572,000 776,000	0	0
Ì		Oswego: 345kV Asset Sep/Repl	C076218	50,000	700,000	2,150,000	0
İ		Oswego: 345kV Asset Sep/Repl CH	C076983 C075943	100,000	400,000	2,000,000 125,000	975,000
İ		Packard - Replace three OCBs Pannell-Geneva 4 Thruway Crossing	C069541	100,000	0	123,000	9/3,000
Ì		Pannell-Geneva 4-4A T1860 ACR	C030889	200,000	1,000,000	4,000,000	18,000,000
Ì		Porter-Watkins Rd 5 ACR Purchase Spare Transformers	C060207 C053135	4,660,000	8,007,000	300,000 5,796,000	200,000
Ì		Quaker-Sleight Road #13 ACR	C060219	0	0	300,000	0
İ		Queensbury - replace OCBs	C049554 C049902	951,000 4,619,000	16,000,000	12,000,000	4,000,000
İ		Rebuild Huntley Station Asset Separ Ridge Substation - 34.5kV System Re	C049902 C046693	4,619,000	312,000	329,000	4,000,000
İ		Rotterdam 115kV SubRebuild(AIS)	C034850	46,000	300,000	6,727,000	19,931,000
Ì		Rotterdam-Bear Swamp E205 T5630 ACR S Oswego-Clay #4 T-334 Rebuild	C047832 C075544	0	0	0	300,000
Ì		Schuyler - replace OCBs	C049562	300,000	667,000	0	0
İ		Schuyler Rd Repl 918 928 CirSws	C050799	2,000	0	0	0
İ		Scriba - Replace Insulators Scriba Relay Replacement	C075962 C049611	180,000	135,000 615,000	63,000 8,000	0
Ì		Seneca #2 & #5 TRF asset Replace	C069427	0	250,000	2,500,000	2,250,000
Ì		Seneca Reactor 71E asset replace	C065766 C049613	530,000	989,000	1,278,000	0
		Seneca Term Relay Replacement Seneca Terminal TB3 Replacement	C049613 C049744	656,000	0	0	0
		Sleight Rd-Auburn #3 ACR	C075566	0	0	0	0
İ		Southeast Batavia - Obsolete Relays Teall - Replace one OCBs	C073588 C075902	0	16,000	16,000 146,000	221,000
		Teall Ave - 115kV Foundation Repl	C076216	0	0	0	150,000
İ		Teall Ave. Transformer Replacement	C047865	837,000	0	0	0
İ		Telegraph Road TRF #2 Asset Replace Terminal Station Relocation	C069346 C076242	50,000	1,500,000	1,000,000 50,000	3,000,000
İ		Ticonderoga 2-3 T5810-T5830 ACR	C039521	300,000	1,400,000	7,000,000	7,000,000
İ		Ticonderoga-Sanford T6410R Removal	C032309	1,140,000	556,000	422,000	0
İ		Tuller Hill 115kV Tap Replacement Turner D Switch Replacements (36)	C065087 C052603	0	10,000	51,000 1,376,000	0
İ		Volney station Relay Replacement	C049626	180,000	446,000	8,000	0
İ		Walck RD Relay Replacement	C049628	199,000	140,000	0	151,000
İ		Whitehall - Replace three OCBs Wood Pole Mgmt Prgm (Osmose)	C075885 C011640	1,500,000	140,000 2,500,000	970,000 2,500,000	151,000 2,500,000
Ì		Woodard - Replace three OCBs	C075903	0	110,000	895,000	96,000
İ		Woodard Relay Replacement	C047863	271,000	700,000	0	0
İ		Woodlawn Transformer Replacement Yahnundasis - Mobile Disconnects	C051986 C049564	18,000 108,000	700,000	2,340,000	1,800,000
İ		Component Fatigue/Deterioration Total		78,486,000	104,517,000	132,568,000	151,545,000
İ	Failure Trend	Central Div Sta - Shielded Cable West Div - Shielded Cables	C058003 C058130	50,000	196,000 70,000	206,000 60,000	206,000
İ		Failure Trend Total	C038130	50,000	266,000	266,000	75,000 281,000
	Ass	set Condition Total		90,538,000	119,783,000	144,834,000	163,826,000
İ	EMS/SCADA	Program-Remote Terminal Unit (RTU) RTUs M9000 Protocol Upgrades	C003772 C069437	400,000 300,000	1,229,000	1,238,000	1,064,000
Communications / Control	EMS/SCADA	VARIOUS STA - RANGE OF OPERATIONS	C032551	1,000	0	1,238,000	1,004,000
Systems		EMS/SCADA Total		701,000	1,229,000	1,238,000	1,064,000
İ	Telecom	Upgrade Comm Equip Verizon Retireme Telecom Total	C069570	198,000 198,000	500,000 500,000	5,000,000 5,000,000	5,000,000 5,000,000
	Communicat	ions / Control Systems Total		899,000	1,729,000	6,238,000	6,064,000
İ		Arkwright Wind - Line	CNYCS07 CNYCS07R	1,000,000	1,500,000 (1,500,000)	0	0
İ		Arkwright Wind - Line Reimb Arkwright Wind - Stations Reimb	CNYCS06R	(1,000,000)	(1,617,000)	0	0
Ì		Arkwright Wind-Stations	CNYCS06	1,000,000	1,617,000	0	0
İ		Bethlehem Energy Center Uprate - Stations Bethlehem Energy Center Uprate - Stations Reimb	CNYCS02 CNYCS02R	1,000,000	760,000 (760,000)	0	0
İ		Bethlehem Energy Center Uprate-Line	CNYCS01	30,000	70,000	0	0
İ		Bethlehem Energy Center Uprate-Line Reimb	CNYCS01R	(30,000)	(70,000)	0	0
İ		Byrne Dairy Load Expansion Copenhagen Wind Loop In/Loop out	C052843 C076290	2,000 500,000	515,000	0	0
İ		Copenhagen Wind Project - Line Reimb	C076290R	(500,000)	(515,000)	0	0
İ		Copenhagen Wind Project - Stations	C076291	1,400,000	703,000	0	0
İ	<u> </u>	Copenhagen Wind Project - Stations Reimb DUN-FALC 161/162 - ATHENEX	C076291R C074805	(1,400,000) 4,200,000	(703,000)	0	0
1	Customer Interconnections	DUN-FALC 161/162 - ATHENEX Reimb	C074805R	(4,200,000)	0	0	0
İ	merconnections	Edic-MVEdge Customer Connection	C066166P	10,567,000	0	0	0
Customer Requests/Public		Edic-MVEdge Customer Connection Reimb Erie Cogen-Stations	C066166R CNYCS05	(10,567,000) 670,000	350,000	0	0
					(350,000)	0	0
Requirements		Erie Cogen-Stations Reimb	CNYCS05R	(670,000)		0	0
Requirements		Green Power Wind Project	C058099	1,218,000	138,000		0
Requirements					138,000 (138,000) 106,000	0	0
Requirements		Green Power Wind Project Green Power Wind Project Reimb Green Pwr Wind Loop in/out Green Pwr Wind Loop in/out Reimb	C058099 C058099R C058101 C058101R	1,218,000 (1,218,000) 846,000 (846,000)	(138,000) 106,000 (106,000)	0 0 0	0
requirements		Green Power Wind Project Green Power Wind Project Reimb Green Pwr Wind Loop in/out Green Pwr Wind Loop in/out Reimb Monroe County Mill Seat-TRAN	C058099 C058099R C058101 C058101R C067866	1,218,000 (1,218,000) 846,000 (846,000) 109,000	(138,000) 106,000 (106,000) 9,000	0 0 0 0	0 0 0
Requirements		Green Power Wind Project Green Power Wind Project Reimb Green Pwr Wind Loop in/out Green Pwr Wind Loop in/out Reimb Monroe County Mill Seat-TRAN Monroe Cty Mill Seat 3 2MW Exp Reimb RG&E ROCH AREA RELIABILY PROJ(RARP)	C058099 C058099R C058101 C058101R C067866 C067866R C074886	1,218,000 (1,218,000) 846,000 (846,000) 109,000 (109,000) 128,000	(138,000) 106,000 (106,000) 9,000 (9,000)	0 0 0 0 0	0 0 0 0
kequirements		Green Power Wind Project Green Power Wind Project Reimb Green Pwr Wind Loop in/out Green Pwr Wind Loop in/out Reimb Monroe County Mill Seat-TRAN Monroe Cty Mill Seat-TRAN Monroe Cty Mill Seat-JEMAN Monroe Cty Mill Seat-JEMAN MOROE ROCH AREA RELIABILY PROJ(RARP) RG&E ROCH AREA RELIABILY PROJ(RARP) Reimb	C058099 C058099R C058101 C058101R C067866 C067866R C074886 C074886R	1,218,000 (1,218,000) 846,000 (846,000) 109,000 (109,000) 128,000 (128,000)	(138,000) 106,000 (106,000) 9,000 (9,000) 0	0 0 0 0 0 0	0 0 0 0 0
kequirements		Green Power Wind Project Green Power Wind Project Reimb Green Pwr Wind Loop in/out Green Pwr Wind Loop in/out Reimb Monroe County Mill Seat-TRAN Monroe Cty Mill Seat-3.2MW Exp Reimb RG&E ROCH AREA RELIABILY PROJ(RARP) RG&E ROCH AREA RELIABILY PROJ(RARP) Reimb Turning Stone 115kV Line Relocation	C058099 C058099R C058101 C058101R C067866 C067866R C074886 C074886R C069434	1,218,000 (1,218,000) 846,000 (846,000) 109,000 (109,000) 128,000 (128,000) 5,973,000	(138,000) 106,000 (106,000) 9,000 (9,000) 0 0	0 0 0 0 0 0 0	0 0 0 0 0
Kequirements		Green Power Wind Project Green Power Wind Project Reimb Green Pwr Wind Loop in/out Green Pwr Wind Loop in/out Reimb Monroe County Mill Seat-TRAN Monroe Cty Mill Seat-TRAN Monroe Cty Mill Seat 3.2MW Exp Reimb RG&E ROCH AREA RELIABILY PROJ(RARP) RG&E ROCH AREA RELIABILY PROJ(RARP) Reimb Turning Stone 115kV Line Relocation Reimb Customer Interconnections Total	C058099 C058099R C058101 C058101R C067866 C067866R C074886 C074886R C069434 C069434R	1,218,000 (1,218,000) 846,000 (846,000) (109,000) (128,000) (128,000) (5,973,000 (6,000,000) (25,000)	(138,000) 106,000 (106,000) 9,000 (9,000) 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0
Kequirements	Request From External	Green Power Wind Project Green Power Wind Project Reimb Green Pwr Wind Loop in/out Green Pwr Wind Loop in/out Reimb Monroe County Mill Seat-TRAN Monroe Cty Mill Seat-SLABILLY PROJ(RARP) RG&E ROCH AREA RELIABILY PROJ(RARP) RG&E ROCH AREA RELIABILY PROJ(RARP) Reimb Turning Stone 115kV Line Relocation Turning Stone 115kV Line Relocation Reimb Customer Interconnections Total Upgrade Mortimer Station	C058099 C058099R C058101P C058101R C067866 C067866R C074886 C074886R C074886R C069434 C069434R	1,218,000 (1,218,000) 846,000 (846,000) 109,000 (109,000) 128,000 (128,000) 5,973,000 (6,000,000) (25,000) 127,000	(138,000) 106,000 (106,000) 9,000 (9,000) 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
Kequirements	Request From External TO	Green Power Wind Project Green Power Wind Project Reimb Green Pwr Wind Loop in/out Green Pwr Wind Loop in/out Reimb Monroe County Mill Seat-TRAN Monroe Cty Mill Seat-TRAN Monroe Cty Mill Seat 3.2MW Exp Reimb RG&E ROCH AREA RELIABILY PROJ(RARP) RG&E ROCH AREA RELIABILY PROJ(RARP) Reimb Turning Stone 115kV Line Relocation Reimb Customer Interconnections Total	C058099 C058099R C058101 C058101R C067866 C067866R C074886 C074886R C069434 C069434R	1,218,000 (1,218,000) 846,000 (846,000) (109,000) (128,000) (128,000) (5,973,000 (6,000,000) (25,000)	(138,000) 106,000 (106,000) 9,000 (9,000) 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
Kequirements	ТО	Green Power Wind Project Green Power Wind Project Reimb Green Pwr Wind Loop in/out Green Pwr Wind Loop in/out Reimb Monroe County Mill Seat-TRAN Monroe Cty Mill Seat-SLABILLY PROJ(RARP) RG&E ROCH AREA RELIABILY PROJ(RARP) RG&E ROCH AREA RELIABILY PROJ(RARP) Reimb Turning Stone 115kV Line Relocation Turning Stone 115kV Line Relocation Reimb Customer Interconnections Total Upgrade Mortimer Station - Reimb Request From External TO Total Read - GE #14 Line - Raising	C058099 C058099R C058099R C058101 C058101 C058101R C067866 C067866 C074886 C074886 C074886R C069434 C069434R C069434R C069434R C069434R C069434R C069434R	1,218,000 (1,218,000) 846,000 (846,000) 109,000 (128,000) (128,000) (6,000,000) (25,000) (25,000) (359,000) (232,000)	(138,000) 106,000 (106,000) 9,000 (9,000) 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Kequirements		Green Power Wind Project Green Power Wind Project Reimb Green Powr Wind Loop in/out Green Pwr Wind Loop in/out Reimb Monroe County Mill Seat-TRAN Monroe Cty Mill Seat-TRAN Monroe Cty Mill Seat-STAM Exp Reimb RG&E ROCH AREA RELIABILY PROJ(RARP) RG&E ROCH AREA RELIABILY PROJ(RARP) Reimb Turning Stone 115kV Line Relocation Turning Stone 115kV Line Relocation Turning Stone 115kV Line Relocation Upgrade Mortimer Station Upgrade Mortimer Station Upgrade Mortimer Station Request From External TO Total Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising	C058099 C058099R C058101 C058101 C058101R C067866 C067866 C074886 C074886 C074886 C069434 C069434 C0694567 C064567	1,218,000 (1,218,000) (1,218,000) (846,000) (109,000) (128,000) (128,000) (25,000) (25,000) (23,000) (232,000) (339,000) (130,000)	(138,000) 106,000 (106,000) 9,000 (9,000) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Kequirements	TO Public Requirements	Green Power Wind Project Green Power Wind Project Reimb Green Pwr Wind Loop in/out Green Pwr Wind Loop in/out Reimb Monroe County Mill Seat-TRAN Monroe Cty Mill Seat-TRAN Monroe Cty Mill Seat-Seat Seat Seat Seat Seat Seat Seat Seat	C058099 C058099R C058101 C058101R C067866 C067866R C074886 C074886 C069434 C069434 C069434R C0694567 C064567 C070889 C070889	1,218,000 (1,218,000) (1,218,000) (846,000) (109,000) (128,000) (128,000) (25,000) (25,000) (232,000) (339,000) (130,000) (130,000) (130,000) (127,000)	(138,000) 106,000 (106,000) 9,000 (9,000) 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Kequirements	TO Public Requirements	Green Power Wind Project Green Power Wind Project Reimb Green Powr Wind Loop in/out Green Pwr Wind Loop in/out Green Pwr Wind Loop in/out Reimb Monroe County Mill Seat-TRAN Monroe Cty Mill Seat 3-ZMW Exp Reimb RG&E ROCH AREA RELIABILY PROJ(RARP) RG&E ROCH AREA RELIABILY PROJ(RARP) Reimb Turning Stone 115KV Line Relocation Turning Stone 115KV Line Relocation Turning Stone 115KV Line Relocation Upgrade Mortimer Station Upgrade Mortimer Station Upgrade Mortimer Station Upgrade Mortimer Station Request From External TO Total Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Station Public Requirements Total ests/Public Requirements Total #44 Porter-Valley/Valley-Fairfie	C058099 C058099R C058099R C058101 C058101R C067866 C074886 C074886 C074886 C0694344 C0694344 C0694347 C064567 C064567 C070889 C070889 C070889	1,218,000 (1,218,000) (1,218,000) (1,218,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000) (1,000)	(138,000) 106,000 (106,000) 9,000 (2,000) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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Requirements  Damage/Failure	TO Public Requirements	Green Power Wind Project Green Power Wind Project Reimb Green Powr Wind Loop in/out Green Pwr Wind Loop in/out Green Pwr Wind Loop in/out Reimb Monroe County Mill Seat 3-ZMW Exp Reimb RG&E ROCH AREA RELIABILY PROJ(RARP) RG&E ROCH AREA RELIABILY PROJ(RARP) Reimb Turning Stone 115kV Line Relocation Turning Stone 115kV Line Relocation Reimb Customer Interconnections Total Upgrade Mortimer Station Upgrade Mortimer Station - Reimb Request From External TO Total Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Reimb Public Requirements Total ests/Public Requirements Total ests/Public Requirements Total ####12 Porter-Valley/Valley-Fairfie Harper Station #40 TRF D/F Nile Sta D/F Sw 660 & 676 Replace North LeRoy TRF #1 Replacement OHL D-F Disconnect Switch Spares	C058099 C058099R C058101 C058101R C067866 C067866R C074886 C074886R C069434 C069434 C069434 C069434 C069434 C069434 C069434 C069436 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889	1,218,000 (1,218,000) (1,218,000) (846,000) (109,000) (128,000) (128,000) (25,000) (25,000) (25,000) (25,000) (25,000) (359,000) (339,000) (25,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000	(138,000) 106,000 (106,000) 9,000 (9,000) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	Public Requirements  Customer Requ	Green Power Wind Project Green Power Wind Project Reimb Green Pwr Wind Loop in/out Green Pwr Wind Loop in/out Reimb Monroe County Mill Seat-TRAN Monroe Cty Mill Seat-SLAW Exp Reimb RG&E ROCH AREA RELIABILY PROJ(RARP) RG&E ROCH AREA RELIABILY PROJ(RARP) Reimb Turning Stone 115kV Line Relocation Reimb Customer Interconnections Total Upgrade Mortimer Station - Reimb Request From External TO Total Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Reimb Public Requirements Total ests/Public Requirements Total #44 Porter-Valley/Valley-Fairtie Harper Station #40 TRF D/F Nile Sta D/F Sw 660 & 676 Replace North LeRoy TRF #1 Replacement OHL D-F Disconnect Switch Spares Storm Budgetary Blanket - NMPC	C058099 C058099R C058101 C058101R C067866 C074886 C074886 C074886 C074886 C069434 C069434R C069434R C0694567 C064567 C064567 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889	1,218,000 (1,218,000) (1,218,000) (846,000) (109,000) (128,000) (128,000) (25,000) (25,000) (339,000) (232,000) (300,000) (257,000) (274,000) (274,000) (274,000) (274,000) (276,000) (300,000)	(138,000) 106,000 106,000) 9,000 (9,000) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	Public Requirements  Customer Requ	Green Power Wind Project Green Power Wind Project Reimb Green Pow Wind Loop in/out Green Pwr Wind Loop in/out Green Pwr Wind Loop in/out Reimb Monroe County Mill Seat 3-ZMW Exp Reimb RG&E ROCH AREA RELIABILY PROJ(RARP) RG&E ROCH AREA RELIABILY PROJ(RARP) Reimt Turning Stone 115kV Line Relocation Turning Stone 115kV Line Relocation Turning Stone 115kV Line Relocation Reimb Customer Interconnections Total Upgrade Mortimer Station Upgrade Mortimer Station - Reimb Request From External TO Total Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Hosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Nosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 Line - Raising Rosa Road - GE #14 L	C058099 C058099R C058101 C058101R C058101R C067866 C074886 C074886 C074886 C074886 C069434 C069434 C069434 C069434 C069434 C069434 C069434 C069434 C069434 C069434 C069434 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889	1,218,000 (1,218,000) (1,218,000) (199,000) (199,000) (128,000) (128,000) (25,000) (25,000) (25,000) (25,000) (25,000) (359,000) (359,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,000) (357,00	(138,000) 106,000 (106,000) 9,000 (9,000) 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	Public Requirements  Customer Requ	Green Power Wind Project Green Power Wind Project Reimb Green Powr Wind Loop in/out Green Pwr Wind Loop in/out Reimb Monroe County Mill Seat-TRAN Monroe Cyty Mill Seat-TRAN Monroe Cyty Mill Seat-TRAN Monroe Cyty Mill Seat-TRAN RG&E ROCH AREA RELIABILY PROJ(RARP) RG&E ROCH AREA RELIABILY PROJ(RARP) Reimb Turning Stone 115kV Line Relocation Turning Stone 115kV Line Relocation Turning Stone 115kV Line Relocation Upgrade Mortimer Station Upgrade Mortimer Station Upgrade Mortimer Station Upgrade Got #il 4 Line - Raising Rosa Road - GE #il 4 Line - Raising Rosa Road - GE #il 4 Line - Raising Rosa Road - GE #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - GF #il 4 Line - Raising Rosa Road - G	C058099 C058099R C058091R C058101 C058101R C067866 C074886 C074886 C074886 C0694344 C0694344 C0694347 C064567 C064567 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889 C070889	1,218,000 (1,218,000) (1,218,000) (19,000) (19,000) (128,000) (128,000) (25,000) (25,000) (359,000) (339,000) (339,000) (339,000) (340,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,000) (359,0	(138,000) 106,000 106,000) 9,000 (2,000) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
		DG 8391 Town of Halfmoon 1.008MW	C074484	3,000	0	0	0
		DG 8391 Town of Halfmoon 1.008MW Reimb	C074484R	(3,000)	0	0	0
		DG NY 8156 INTERGROW GREENHOUSE RTU DG NY 8156 INTERGROW GREENHOUSE RTU Reim	C074523 C074523R	7,000 (7,000)	0	0	0
		DG NY 8156 INTERGROW GREENHOUSE RTU REIM DG NY10482 MVCC PV DTT	C074523R C074827	13,000	0	0	0
		DG NY10482 MVCC PV DTT Reimb	C074827R	(13,000)	0	0	0
		DG NY-11143 Amsterdam EMS SCADA RTU	C074508	5,000	0	0	0
	1	DG NY-11143 Amsterdam EMS SCADA RTU Reimb	C074508R	(5,000)	0	0	0
		DG NY11222 SUNY SELKIRK (SE) DTT Reimb DG NY11222 SUNY Selkirk(SE) Station	C074784R C074784	(468,000) 468,000	0	0	0
		DG NY11222 SUNY SEIKIR(SE) Station DG NY11223 SUNY SELKIRK (NE) DTT Reimb	C074786R	(170,000)	0	0	0
	1	DG NY11223 SUNY Selkirk(NE) Station	C074786	170,000	0	0	0
		DG NY11257 SUNY Selkirk (C) Station	C074752	170,000	0	0	0
	1	DG NY11257 SUNY SELKIRK CENTER DTT Reimb	C074752R	(170,000)	0	0	0
	1	DG NY11258 SUNY SELKIRK (NW) DTT Reimb	C074763R	(170,000)	0	0	0
	Customer	DG NY11258 SUNY Selkirk(NW) Station DG NY12449 - 3I0 at Mohican Station	C074763 C076985	170,000 226,000	0	0	0
DER - Electric System Access	Interconnections	DG NY12449 - 310 at Monican Station DG NY12544 SENECA NATION WIND (RTU)	C076985 C074527	6,000	0	0	0
		DG NY12544 SENECA NATION WIND (RTU) Reimb	C074527R	(6,000)	0	0	0
		DG NY16088 SUNY Perth South RTU	C075006	46,000	0	0	0
		DG NY16088 SUNY Perth South RTU Reimb	C075006R	(46,000)	0	0	0
		DG NY5451 Skidmore 2MW PV RTU	C076964	9,000	0	0	0
			C076964R	(9,000)	0	0	0
		DG NY5529 Clarkson PV RTU	C076864 C076864R	9,000 (9,000)	0	0	0
		DG NY6856 Oneida County DPW RTU	C075702	3,000	0	0	0
		DG NY6856 Oneida County DPW RTU Reimb	C075702R	(3,000)	0	0	0
		HVCC 8.1 MW DG RTU	C068148	8,000	0	0	0
	1	HVCC 8.1 MW DG RTU Reimb	C068148R	(8,000)	0	0	0
	1	Tn of Whitehall - Millet A RTU	C072610	9,000	0	0	0
	1	Tn of Whitehall - Millet A RTU Reimb	C072610R	(9,000)	0	0	0
	1	Tn of Whitehall - Millet B RTU Tn of Whitehall - Millet B RTU Reimb	C072611 C072611R	6,000 (6,000)	0	0	0
		Customer Interconnections Total	C0/2011K	226,000	0	0	0
	DER - Elec	etric System Access Total		226,000	0	0	0
	1	Conductor Clearance - NY Program	C048678	9,409,000	10,009,000	12,105,000	9,771,000
	1		C066246	855,000	0	0	0
			C073348	260,000	0	0	0
	1		C073349	670,000	0	86,000	962,000
			C073351 C073352	670,000	62,000	806,000	0
	NERC/NPCC Standards	Physical Security	C073353	493,000	696,000	0	0
			C073354	477,000	681,000	0	0
Reliability			C073355	942,000	0	0	0
Renability			C073356	722,000	0	0	0
			C073648	0	80,000	906,000	0
		230kV Substation – Upgrade Brks/Disc/PT's	C036866	350,000	1,000,000	1,259,000	15,550,000
	<u> </u>	NERC/NPCC Standards Total Backup UG Pump Plant-Trinity Ln 5&9	C062469	14,178,000	12,528,000 250,000	15,162,000 1,847,000	26,283,000 100,000
		Hudson Station 087- Animal Fence	C052469 C059640	55,000	230,000	1,847,000	100,000
	Performance	Osprey Mitigation/Avian Protection	C076662	300,000	300,000	300,000	300,000
		Rensselaer Station - Animal Fence	C076522	55,000	0	0	0
		Performance Total		410,000	550,000	2,147,000	400,000
	F	Reliability Total	C047200	14,588,000	13,078,000	17,309,000	26,683,000
	1	New Elbridge - State St Line New Elbridge - State St Line Reimb	C047298 C047298R	185,000 (185,000)	0	0	0
	Company		C047298K	523,000	0	0	0
	Generator Retirements	Reconductor #5 Elbridge - State ST	C047297R	(523,000)	0	0	0
		Reconfigure Elbridge Sub	C047299	1,252,000	0	0	0
	1	Reconfigure Elbridge Sub Reimb	C047299R	(1,252,000)	0	0	0
		Generator Retirements Total	C054711	0	0	0	0
		Airco-Bffl Rvr147 Adv Metal Tap	C054711	720,000	0 182,000	0	0
		Airco-Bffl Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring	C077034	0 720,000 100,000	182,000 4,000,000	0 0 0	
		Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank	C077034 C031478	720,000	0 182,000 4,000,000 0	0	0 0 0
		Airco-Bffl Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring	C077034	720,000 100,000 1,600,000	182,000 4,000,000	0 0 0	0
		Airco-Bffl Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6	C077034 C031478 C054267	0 720,000 100,000 1,600,000 0	0 182,000 4,000,000 0	0 0 0 0	0 0 0
		Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10,Clay-Dewitt#3 Recond Colamer Crossing 115kV Line TAP	C077034 C031478 C054267 C043424 C043995 C070394	0 720,000 100,000 1,600,000 0 1,346,000 28,404,000 1,100,000	0 182,000 4,000,000 0 0 0 8,125,000	0 0 0 0 0 0 0	0 0 0 0 0 0
		Airco-Bffl Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10,Clay-Dewitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station	C077034 C031478 C054267 C043424 C043995 C070394 C024015	0 720,000 100,000 1,600,000 0 1,346,000 28,404,000 1,100,000 891,000	0 182,000 4,000,000 0 0 0 8,125,000 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0
		Airco-Bffl Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10,Clay-Dewitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E.Golah 2nd 115kV tap	C077034 C031478 C054267 C043424 C043995 C070394 C024015 C051829	720,000 100,000 1,600,000 0 1,346,000 28,404,000 1,100,000 891,000	0 182,000 4,000,000 0 0 0 8,125,000 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 70,000
		Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10,Clay-Dewitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E. Golah 2nd 115kV tap Eastover - Add 2nd Bank	C077034 C031478 C054267 C043424 C043995 C070394 C024015 C051829 C060247	720,000 100,000 1,600,000 0 1,346,000 28,404,000 1,100,000 891,000 0 1,120,000	0 182,000 4,000,000 0 0 0 8,125,000 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 70,000
		Airco-Bffl Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10,Clay-Dewitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E.Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT	C077034 C031478 C054267 C043424 C043995 C070394 C024015 C051829 C060247 C044674	720,000 100,000 1,600,000 0 1,346,000 28,404,000 1,100,000 891,000 0 1,120,000 30,000	0 182,000 4,000,000 0 0 8,125,000 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 70,000
		Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10.Clay-Devitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E.Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elbridge WoS Reactors	C077034 C031478 C054267 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C069531	0 720,000 100,000 1,600,000 0 1,346,000 28,404,000 1,100,000 0 0 1,120,000 30,000 250,000	0 182,000 4,000,000 0 0 0 8,125,000 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 70,000 0 0 4,500,000
		Airco-Bffl Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10,Clay-Dewitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E.Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT	C077034 C031478 C054267 C043424 C043995 C070394 C024015 C051829 C060247 C044674	720,000 100,000 1,600,000 0 1,346,000 28,404,000 1,100,000 891,000 0 1,120,000 30,000	0 182,000 4,000,000 0 0 0 8,125,000 0 0 0 0 0 250,000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 70,000 0 0 4,500,000
		Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10,Clay-Devitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E.Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elbridge WoS Reactors Elm St Relief Add 4th Xfer Gardenville-Erie 54-921 Reconductor GE-Geres Lock 8 T2240 Reconductor	C077034 C031478 C054267 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C069531 C049594 C060213 C047835	0 720,000 100,000 1,600,000 0 1,346,000 28,404,000 1,100,000 0 1,120,000 1,20,000 250,000 1,995,000 0	0 182,000 4,000,000 0 0 0 8,125,000 0 0 0 0 0 250,000 48,000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 70,000 0 0 4,500,000 0 0
		Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10.Clay-Dewitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E. Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elbridge Wos Reactors Elm St Relief Add 4th Xfer Gardenville-Erie 54-921 Reconductor GG-Geres Lock 8 T2240 Reconductor Golah Cap Bank Installation	C077034 C031478 C054267 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C049594 C060213 C047835 C064868	0 720,000 100,000 1,600,000 0 1,346,000 28,404,000 1,100,000 891,000 0 1,120,000 30,000 1,995,000 566,000 0 785,000	0 182,000 4,000,000 0 0 0 8,125,000 0 0 0 0 250,000 48,000 806,000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 70,000 0 0 4,500,000 0 0
		Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relav upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10,Clay-Dewitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E.Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elbridge WoS Reactors Elm St Relief Add 4th Xfer Gardenville-Erie 54-921 Reconductor Gis-Geres Lock 8 T2240 Reconductor Gislah Cap Bank Installation Golah Cap Bank Installation	C077034 C031478 C054267 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C069531 C049594 C060213 C047835 C04868 C051831	0 720,000 100,000 1,600,000 0 1,346,000 28,404,000 1,100,000 0 0 1,120,000 250,000 1,995,000 0 0 785,000	0 182,000 4,000,000 0 0 0 8,125,000 0 0 0 0 0 250,000 48,000 806,000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 70,000 0 0 4,500,000 0 0 0 490,000
		Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10.Clay-Devitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E. Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elbridge Wos Reactors Elm St Relief Add 4th Xfer Gardenville-Erie S4-921 Reconductor GG-Geres Lock 8 T2240 Reconductor Golah Cap Bank Installation Golah Sub rebuild GridVI-Bfil Rvr146 2nd Tap Ohio Sta	C077034 C031478 C054267 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C069531 C049594 C060213 C047835 C064868 C051831 C054713	0 720,000 100,000 1,600,000 0 1,346,000 28,404,000 1,100,000 0 1,120,000 0 1,120,000 250,000 1,995,000 566,000 0 785,000 0 2,237,000	0 182,000 4,000,000 0 0 0 8,125,000 0 0 0 0 250,000 48,000 806,000 806,000 0 182,000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 70,000 0 4,500,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10.Clay-Dewitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E. Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elbridge Wos Reactors Elm St Relief Add 4th Xfer Gardenville-Erie 54-921 Reconductor GG-Geres Lock 8 T2240 Reconductor Golah Cap Bank Installation Golah Sub rebuild Girdvll-Bfil Rvr146 2nd Tap Ohio Sta Land - Lasher Rd Substation	C077034 C031478 C054267 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C049594 C060213 C047835 C047835 C054713 C054713 C054886	0 720,000 100,000 1,600,000 0 1,346,000 28,404,000 1,100,000 891,000 0 1,120,000 30,000 1,995,000 566,000 0 785,000 0 2,2,237,000 250,000 250,000	0 182,000 4,000,000 0 0 0 8,125,000 0 0 0 0 250,000 48,000 806,000 0 182,000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 70,000 0 4,500,000 0 0 490,000
		Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10.Clay-Devitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E. Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elbridge Wos Reactors Elm St Relief Add 4th Xfer Gardenville-Erie S4-921 Reconductor GG-Geres Lock 8 T2240 Reconductor Golah Cap Bank Installation Golah Sub rebuild GridVI-Bfil Rvr146 2nd Tap Ohio Sta	C077034 C031478 C054267 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C069531 C049594 C060213 C047835 C064868 C051831 C054713	0 720,000 100,000 1,600,000 0 1,346,000 28,404,000 1,100,000 0 1,120,000 0 1,120,000 250,000 1,995,000 566,000 0 785,000 0 2,237,000	0 182,000 4,000,000 0 0 0 8,125,000 0 0 0 0 250,000 48,000 806,000 806,000 0 182,000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 70,000 0 0 4,500,000 0 0 490,000
		Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10,Clay-Dewitt#3 Recond Colamer Crossing 115kV Line TAP Construct Five Mile Station E.Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elbridge Wos Reactors Elm St Relief Add 4th Xfer Gardenville-Erie 54-921 Reconductor GE-Geres Lock 8 T2240 Reconductor Golah Cap Bank Installation Golah Sub rebuild Grdvll-Bfil Rvr146 2nd Tap Ohio Sta Land - Lasher Rd Substation Land Rights/Acquisition - Tran-NY	C077034 C031478 C054267 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C069531 C049594 C060213 C0477835 C064868 C051831 C054713 C05886 CNYT350	0 720,000 100,000 1,600,000 0 1,346,000 28,404,000 1,1100,000 0 1,120,000 250,000 1,995,000 0 785,000 0 2,237,000 250,000 250,000	0 182,000 4,000,000 0 0 0 8,125,000 0 0 0 0 0 250,000 48,000 806,000 0 182,000 0 225,000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 70,000 0 0 4,500,000 0 0 0 490,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10,Clay-Dewitt#3 Recond Colamer Crossing 115kV Line TAP Construct Five Mile Station E.Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elbridge Wos Reactors Elm St Relief Add 4th Xfer Gardenville-Erie 54-921 Reconductor GE-Gres Lock 8 T2240 Reconductor GG-Gleres Lock 8 T2240 Reconductor Golah Cap Bank Installation Golah Sub rebuild Grdvll-Bfil Rvr146 2nd Tap Ohio Sta Land - Lasher Rd Substation Land Rights/Acquisition - Tran-NY Land-Clay-Teall#10,Clay-Dewitt #3 Lasher Rd Transmission Line Lasher Rod Substation	C077034 C031478 C034267 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C069531 C049594 C060213 C0477835 C064868 C051831 C054713 C065886 CNYT350 C068288 C068288 C068288 C043672 C043672 C064726	0 720,000 100,000 1,600,000 0 1,346,000 28,404,000 1,100,000 0 1,120,000 0 1,120,000 250,000 1,995,000 0 785,000 0 2,237,000 225,000 491,000 491,000 6,000,000	0 182,000 4,000,000 0 0 0 8,125,000 0 0 0 0 250,000 48,000 806,000 0 182,000 0 225,000 0 0 4,426,000 0 0 225,000 0 0 4,426,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 70,000 0 4,500,000 0 0 490,000 0 0 225,000
		Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10.Clay-Devitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E.Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elibridge Wos Reactors Elm St Relief Add 4th Xfer Gardenville-Erie S4-921 Reconductor Golah Cap Bank Installation Golah Sub rebuild Grivll-Bfil Rvr146 2nd Tap Ohio Sta Land - Lasher Rd Substation Land Rights/Acquisition - Tran-NY Land Clay-Teall#10,Clay-Dewitt #3 Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation - LAB	C077034 C031478 C034267 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C069531 C047835 C064868 C051831 C054713 C054713 C065886 CNYT350 C068288 C043672 C064726 C064726	0 720,000 100,000 1,600,000 0 1,346,000 28,404,000 1,100,000 0 0 1,120,000 0 250,000 1,995,000 0 785,000 0 2,237,000 250,000 491,000 728,000 491,000 728,000 491,000 1,150,000 1,150,000	0 182,000 4,000,000 0 0 0 8,125,000 0 0 0 0 250,000 48,000 806,000 0 182,000 0 225,000 0 0 4,426,000 0 0 0 44,426,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 70,000 0 0 4,500,000 0 0 0 490,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10.Clay-Dewitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E. Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elbridge Wos Reactors Elm St Relief Add 4th Xfer Gardenville-Erie 54-921 Reconductor Gale-Geres Lock 8 T2240 Reconductor Golah Cap Bank Installation Golah Sub rebuild Grdvll-Bfl Rvr146 2nd Tap Ohio Sta Land - Lasher Rd Substation Land Rights/Acquisition - Tran-NY Land-Clay-Teall#10,Clay-Dewitt #3 Lasher Rd Transmission Line Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation - LAB Malone 2nd Bank Tline	C077034 C031478 C031478 C054267 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C049594 C060213 C047835 C064868 C051831 C054713 C05886 CNYT350 C068288 CNYT350 C068288 C043672 C064726 C064727 C064727 C064727 C069673	0 720,000 100,000 1,600,000 0 1,600,000 0 1,346,000 28,404,000 1,100,000 891,000 30,000 1,120,000 250,000 0 785,000 0 225,000 250,000 250,000 225,000 225,000 491,000 728,000 6,000,000 1,150,000 0 1,150,000	0 182,000 4,000,000 0 0 8,125,000 0 0 0 0 0 250,000 48,000 0 0 182,000 0 225,000 0 4,426,000 0 0 0 225,000 0 0 4,426,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 70,000 0 0 4,500,000 0 0 490,000 0 0 225,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
		Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10,Clay-Dewitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E. Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elbridge Wos Reactors Elm St Relief Add 4th Xfer Gardenville-Erie 54-921 Reconductor GE-Geres Lock 8 T2240 Reconductor GG-Geres Lock 8 T2240 Reconductor Golah Cap Bank Installation Golah Sub rebuild Grdvll-Bfil Rvr146 2nd Tap Ohio Sta Land - Lasher Rd Substation Land Rights/Acquisition - Tran-NY Land-Clay-Teall#10,Clay-Dewitt #3 Lasher Rd Transmission Line Lasher Road Substation - LAB Malone Znd Bank Tline Malone Znd Bank Tline Malone Metalelad&Transformer	C077034 C031478 C034267 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C069531 C049594 C060213 C047835 C064868 C051831 C054713 C068288 CNYT350 C068288 C043672 C064726 C064727 C064726 C064727 C059673 C069306	0 720,000 100,000 1,600,000 0 1,346,000 1,100,000 0 1,100,000 0 1,1120,000 0 1,120,000 0 1,995,000 0 0 785,000 0 2,237,000 250,000 491,000 491,000 6,000,000 1,150,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 182,000 4,000,000 0 0 8,125,000 0 0 0 250,000 48,000 0 0 182,000 0 225,000 0 0 4,426,000 0 0 225,000 0 0 4,426,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 70,000 0 0 4,500,000 0 0 490,000 0 0 225,000 0 0 0 240,000
		Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10.Clay-Devitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E. Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elibridge Wos Reactors Elm St Relief Add 4th Xfer Gardenville-Erie S4-921 Reconductor Golah Cap Bank Installation Golah Sub rebuild Grivll-Bfil Rvr146 2nd Tap Ohio Sta Land - Lasher Rd Substation Land Rights/Acquisition - Tran-NY Land-Clay-Teall#10,Clay-Dewitt #3 Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation - LAB Malone 2nd Bank Tine Malone Metalclad&Transformer Maplewood #19/#31Reconductoring	C077034 C031478 C034267 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C069531 C049594 C060213 C047835 C064868 C051831 C054713 C065886 C051831 C054713 C065886 C04727 C064726 C064727 C059673 C064726 C064726 C064726 C069466	0 720,000 100,000 1,600,000 0 1,346,000 28,404,000 1,100,000 0 0 1,120,000 0 1,995,000 0 785,000 0 225,000 250,000 1,995,000 0 225,000 250,000 1,995,000 0 250,000 1,995,000 0 1,000,000 1,000,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1	0 182,000 4,000,000 0 0 0 8,125,000 0 0 0 0 250,000 44,226,000 806,000 0 182,000 0 225,000 0 0 4,426,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 4,500,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
System Capacity		Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10.Clay-Dewitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E. Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elbridge Wos Reactors Elm St Relief Add 4th Xfer Gardenville-Erie 54-921 Reconductor Golah Cap Bank Installation Golah Sub rebuild Girdvll-Bfil Rvr146 2nd Tap Ohio Sta Land - Lasher Rd Substation Land Rights/Acquisition - Tran-NY Land-Clay-Teall#10,Clay-Dewitt #3 Lasher Rd Transmission Line Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation	C077034 C031478 C031478 C054267 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C049594 C060213 C047835 C064868 C051831 C054713 C05886 CNYT350 C068288 CNYT350 C068288 C043672 C064727 C064727 C069466 C069366 C069466 C0698850	0 720,000 100,000 1,600,000 1,600,000 28,404,000 1,100,000 891,000 30,000 250,000 1,995,000 0 785,000 250,000 250,000 250,000 250,000 1,150,000 728,000 0 0 0 0 0 0 0 38,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 182,000 4,000,000 0 0 8,125,000 0 0 0 0 250,000 44,226,000 806,000 0 182,000 0 225,000 0 4,426,000 0 0 225,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 70,0000 4,500,000 0 0 4,500,000 0 0 0 225,000 0 0 0 0 4,500,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
System Capacity		Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Celay-Teall#10,Clay-Dewitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E. Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elbridge Wos Reactors Elbridge Wos Reactors Elm St Relief Add 4th Xfer Gardenville-Erie 54-921 Reconductor GE-Geres Lock 8 T2240 Reconductor GG-Grees Lock 8 T2240 Reconductor Golah Cap Bank Installation Golah Sub rebuild Grdvll-Bfil Rvr146 2nd Tap Ohio Sta Land - Lasher Rd Substation Land Rights/Acquisition - Tran-NY Land-Clay-Teall#10,Clay-Dewitt #3 Lasher Rd Transmission Line Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation	C077034 C031478 C031478 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C069531 C047835 C064726 C054713 C068288 CNYT350 C068288 C043672 C064726 C064727 C059673 C069306 C069466 C068850 C068850 C06856	0 720,000 100,000 1,600,000 0 1,346,000 28,404,000 1,100,000 0 0 1,120,000 0 1,995,000 0 785,000 0 225,000 250,000 1,995,000 0 225,000 250,000 1,995,000 0 250,000 1,995,000 0 1,000,000 1,000,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1,150,000 1	0 182,000 4,000,000 0 0 0 8,125,000 0 0 0 250,000 48,000 806,000 0 182,000 0 225,000 0 0 4,426,000 0 0 225,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 70,000 0 0 4,500,000 0 0 4,500,000 0 0 0 225,000 0 0 225,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
System Capacity	TOLUS AL C. T.	Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10.Clay-Dewitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E. Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elbridge Wos Reactors Elm St Relief Add 4th Xfer Gardenville-Erie 54-921 Reconductor Golah Cap Bank Installation Golah Sub rebuild Girdvll-Bfil Rvr146 2nd Tap Ohio Sta Land - Lasher Rd Substation Land Rights/Acquisition - Tran-NY Land-Clay-Teall#10,Clay-Dewitt #3 Lasher Rd Transmission Line Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation	C077034 C031478 C031478 C054267 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C049594 C060213 C047835 C064868 C051831 C054713 C05886 CNYT350 C068288 CNYT350 C068288 C043672 C064727 C064727 C069466 C069366 C069466 C0698850	0 720,000 100,000 1,600,000 0 1,346,000 1,100,000 0 1,100,000 0 1,120,000 0 1,120,000 0 1,120,000 0 785,000 0 225,000 491,000 728,000 491,000 0 0 30,000 0 30,000 0 0 30,000 0 0 30,000 0 0 30,000 0 0 30,000 0 0 0	0 182,000 4,000,000 0 0 8,125,000 0 0 0 0 250,000 44,226,000 806,000 0 182,000 0 225,000 0 4,426,000 0 0 225,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
System Capacity	TO Led System Studies	Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10.Clay-Devitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E. Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elibridge Wos Reactors Elm St Relief Add 4th Xfer Gardenville-Erie S4-921 Reconductor Golah Cap Bank Installation Golah Sub rebuild Girdvll-Bfil Rvr146 2nd Tap Ohio Sta Land - Lasher Rd Substation Land Rights/Acquisition - Tran-NY Land-Clay-Teall#10,Clay-Dewitt #3 Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation - LAB Malone 2nd Bank Tine Malone Metalclad&Transformer Maplewood #19/#31 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands Riverside #3 Sta Work Mohican Battenkill#15 Rebuild Recon	C077034 C031478 C034267 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C069531 C047835 C064868 C051831 C054713 C065886 CNYT350 C068288 C043672 C064727 C059673 C064726 C064727 C059673 C068886 C068886 C068866 C068886 C069466 C068850	0 720,000 100,000 1,600,000 1,600,000 1,346,000 28,404,000 1,100,000 0 1,120,000 0 1,120,000 0 1,120,000 0 250,000 1,995,000 0 255,000 491,000 225,000 491,000 728,000 0,100,000 0,100,000 0,100,000 0,100,000 0,100,000 0,100,000 0,100,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,0	0 182,000 4,000,000 0 0 0 8,125,000 0 0 0 0 250,000 44,226,000 0 0 182,000 0 0 225,000 0 0 4,426,000 0 0 0 225,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
System Capacity	TO Led System Studies	Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Celay-Teall#10.Clay-Dewitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E. Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elibridge Wos Reactors Elm St Relief Add 4th Xfer Gardenville-Fire S4-921 Reconductor Golah Cap Bank Installation Golah Sub rebuild Girdvll-Bfil Rvr146 2nd Tap Ohio Sta Land - Lasher Rd Substation Land Rights/Acquisition - Tran-NY Land-Clay-Teall#10,Clay-Dewitt #3 Lasher Road Substation Lasher Road Substation - LAB Malone 2nd Bank Tine Malone Metalclad&Transformer Maplewood #19/#31 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands-Riverside #3 Sta Work Mohican Battenkill#15 Rebuild Recon Mortimer line Re-Arrangement Mountain Station Relay Replacement NEW MAPLE AVE - LINE PORTION	C077034 C031478 C031478 C054267 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C049531 C049594 C060213 C049594 C060213 C045886 C051831 C054713 C065886 CNYT350 C068288 C043672 C064726 C064726 C064726 C069306 C068850 C060546 C068850 C060546 C068850 C060546 C068850 C060546 C0634528 C060248 C049603	0 720,000 100,000 1,600,000 0 1,346,000 28,404,000 1,100,000 0 1,120,000 0 1,120,000 0 1,120,000 0 250,000 1,995,000 0 252,000 491,000 225,000 491,000 38,000 0 38,000 0 38,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 182,000 4,000,000 0 0 0 8,125,000 0 0 0 0 250,000 44,926,000 0 182,000 0 225,000 0 0 4445,000 0 300,000 300,000 5,000,000 5,000,000 695,000 0 122,000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (
System Capacity	TO Led System Studies	Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10.Clay-Dewitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E. Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elbridge Wos Reactors Elm St Relief Add 4th Xfer Gardenville-Erie 54-921 Reconductor Golah Cap Bank Installation Golah Sub rebuild Grdvll-Bfil Rvr146 2nd Tap Ohio Sta Land - Lasher Rd Substation Land Rights/Acquisition - Tran-NY Land-Clay-Teall#10.Clay-Dewitt #3 Lasher Rd Tamsnission Line Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Malone 2nd Bank Time Malone Metalclad&Transformer Maplewood #19/#31 Reconductoring Menands-Riverside #3 Sta Work Mohican Battenkill#15 Rebuild Recon Mortimer line Re-Arrangement Mountain Station Flay Replacement New MapLe AVE - LINE PORTION New Tonawanda Station - Line Taps	C077034 C031478 C031478 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C049594 C060213 C047835 C054713 C054713 C05886 CNYT350 C068288 CNYT350 C064726 C064727 C059673 C069306 C069466 C068885 C060546 C069466 C068885 C060546 C069466 C068885 C060546 C069466 C068885 C060546 C069466 C068885 C060546 C069466 C068885 C060546 C069466 C068885 C060546 C069466 C068850 C060546 C069466 C068850 C060546 C069466 C069466 C069466 C069466 C069466 C069460 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466	0 720,000 100,000 1,600,000 0 1,346,000 28,404,000 1,100,000 0 1,120,000 0 1,120,000 0 1,120,000 0 250,000 0 2250,000 0 2250,000 2250,000 2250,000 0 1,150,000 0 0 0 38,000 0 0 0 38,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 182,000 4,000,000 0 0 0 8,125,000 0 0 0 0 250,000 48,000 0 182,000 0 182,000 0 225,000 0 0 182,000 0 0 754,000 0 0 754,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (
System Capacity	TO Led System Studies	Airco-Bffl Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Celay-Teall#10.Clay-Dewitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E.Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elibridge WoS Reactors Elm St Relief Add 4th Xfer Gardenville-Erie 54-921 Reconductor Gie-Geres Lock 8 T2240 Reconductor Giel-Geres Lock 8 T2240 Reconductor Golah Sub rebuild Grdvll-Bffl Rvr146 2nd Tap Ohio Sta Land - Lasher Rd Substation Land Rights/Acquisition - Tran-NY Land-Clay-Teall#10,Clay-Dewitt #3 Lasher Rd Transmission Line Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Malone Metalclad&Transformer Maplewood #19/#31 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands Riverside #3 Sta Work Mohican Battenkill#15 Rebuild Recon Mortimer line Re-Arrangement NEW MAPLE AVE - LINE PORTION New Tonawanda Station - Line Taps New Walertown 115-13, 2kV T - Line	C077034 C031478 C031478 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C069531 C047835 C064726 C0531859 C068288 C0574713 C064726 C064727 C059673 C069306 C069466 C034528 C060546 C034528 C060546 C034528 C060546 C034528 C060546 C034528 C060546 C034528 C060546 C034528 C060546 C03653156 C053155	0 720,000 100,000 1,600,000 0 1,346,000 28,404,000 1,100,000 0 1,120,000 0 1,120,000 0 1,120,000 0 785,000 0 225,000 491,000 225,000 491,000 0 38,000 0 0 38,000 0 0 38,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 182,000 4,000,000 0 0 0 8,125,000 0 0 0 0 250,000 48,000 806,000 0 182,000 0 225,000 0 0 445,000 0 445,000 0 0 754,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (
System Capacity	TO Led System Studies	Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Central Breaker Upgrades - Ash Clay-Teall#10.Clay-Dewitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E. Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elibridge Wos Reactors Elm St Relief Add 4th Xfer Gardenville-Erie S4-921 Reconductor Golah Cap Bank Installation Golah Sub rebuild Gird/II-Bfil Rvr146 2nd Tap Ohio Sta Land - Lasher Rd Substation Land Rights/Acquisition - Tran-NY Land-Clay-Teall#10,Clay-Dewitt #3 Lasher Road Substation Lasher Road Substation - LAB Malone 2nd Bank Tine Malone Metalclad&Transformer Maplewood #19/#31 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Republid Recon Mortimer line Re-Arrangement Mountain Station Relay Replacement New MaPLE AVE - LINE PORTION New Tonawands Station - Line Taps New Watertown 115-13.2kV T - Line North Troy Brkr & Relay Repl	C077034 C031478 C031478 C054267 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C069531 C049594 C060213 C049594 C060213 C051831 C054713 C05886 CNYT350 C068288 C043672 C064726 C064726 C064726 C069306 C068850 C060546 C068850 C060546 C068850 C060546 C068850 C060546 C0634528 C060248 C049603 C060546 C034528 C060248 C049603 C060546 C034528 C060248 C049603 C053155 C053155	0 720,000 100,000 1,600,000 1,600,000 1,100,000 28,404,000 1,100,000 0 1,120,000 0 1,120,000 0 250,000 1,995,000 0 225,000 491,000 225,000 491,000 38,000 0 0 38,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 182,000 4,000,000 0 0 0 8,125,000 0 0 0 0 250,000 44,226,000 0 182,000 0 225,000 0 0 4445,000 0 300,000 300,000 5,000,000 570,000 0 122,000 0 0 570,000 0 0 570,000 0 0 596,000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d
System Capacity	TO Led System Studies	Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Clay-Teall#10,Clay-Dewitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E, Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elbridge Wos Reactors Elm St Relief Add 4th Xfer Gardenville-Erie 54-921 Reconductor Gardenville-Erie 54-921 Reconductor Golah Cap Bank Installation Golah Sub rebuild Grdvll-Bfil Rvr146 2nd Tap Ohio Sta Land - Lasher Rd Substation Land Rights/Acquisition - Tran-NY Land-Clay-Teall#10,Clay-Dewitt #3 Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation - LAB Malone 2nd Bank Time Malone Metalclad&Transformer Maplewood #19/#31 Reconductoring Menands-Riverside #3 Sta Work Mohican Battenkill#15 Rebuild Recon Mortimer line Re-Arrangement Mountain Station Relay Replacement New MapLe AVE - LINE PORTION New Tonawands Station - Line Taps New Watertown 115-13 2kV T - Line North Troy Brk & Relay Repl Ohio Street new 115 - 34.5kV sub	C077034 C031478 C031478 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C069531 C049594 C060213 C047835 C051831 C054713 C054713 C054713 C068288 CNYT350 C06426 C064727 C059673 C069306 C069466 C0688850 C060546 C069466 C0688850 C060546 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069306 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466 C069466	720,000 100,000 1,600,000 1,600,000 1,1346,000 28,404,000 1,100,000 0 1,120,000 0 1,120,000 250,000 1,995,000 0 250,000 225,000 491,000 225,000 491,000 0 0 38,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 182,000 4,000,000 0 0 0 8,125,000 0 0 0 0 250,000 48,000 0 0 182,000 0 0 225,000 0 0 225,000 0 0 0 4446,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 4,500,0000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
System Capacity	TO Led System Studies	Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Celay-Teall#10.Clay-Dewitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E.Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elibridge WoS Reactors Elm St Relief Add 4th Xfer Gardenville-Erie 54-921 Reconductor GE-Geres Lock 8 T2240 Reconductor Giardenville-Erie 54-921 Reconductor Golah Sub rebuild Grdvll-Bfil Rvr146 2nd Tap Ohio Sta Land - Lasher Rd Substation Land Rights/Acquisition - Tran-NY Land-Clay-Teall#10,Clay-Dewitt #3 Lasher Rd Transmission Line Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Malone Metalclad&Transformer Maplewood #19/#31Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands Station Relay Replacement NEW MAPLE AVE - LINE PORTION New Tonawanda Station - Line Taps New Watertown 115-13.2kV T - Line North Troy Brkr & Relay Repl Ohio Street new 115 - 34.5kV sub Packard 77/778 Series Reactors	C077034 C031478 C031478 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C069531 C047835 C064726 C053156 C064726 C064727 C059673 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C053155 C0693155 C0693155 C0693156 C053155 C0693156 C053156 C053155 C069388	720,000 100,000 1,600,000 1,600,000 1,100,000 28,404,000 1,100,000 0 1,120,000 0 1,120,000 0 1,120,000 0 785,000 0 225,000 491,000 225,000 491,000 0 38,000 0 0 38,000 0 0 0 500,000 0 0 500,000 0 8,229,000 504,000 0 0 574,000 0 0 574,000 0 574,000 0 0 574,000 0 0 574,000 0 0 574,000 0 0 574,000 0 0 574,000 0 0 574,000 0 0 574,000 0 0 574,000 0 0 574,000 0 0 574,000 0 0 228,003,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 182,000 4,000,000 0 0 0 8,125,000 0 0 0 0 250,000 48,000 806,000 0 182,000 0 225,000 0 0 445,000 8,000,000 300,000 5,000,000 655,000 65,000 0 122,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 4,500,000 0 0 0 0 0 225,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
System Capacity	TO Led System Studies	Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Central Breaker Upgrades - Ash Clay-Teall#10.Clay-Dewitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E. Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elibridge Wos Reactors Elibridge Wos Reactors Elm St Relief Add 4th Xfer Gardenville-Erie 54-921 Reconductor Golah Cap Bank Installation Golah Sub rebuild Gridvll-Bfil Rvr146 2nd Tap Ohio Sta Land - Lasher Rd Substation Land Rights/Acquisition - Tran-NY Land-Clay-Teall#10,Clay-Dewitt #3 Lasher Road Substation - LAB Malone 2nd Bank Tine Malone Metalclad&Transformer Maplewood #19/#31 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands-Riverside #3 Sta Work Mohican Battenkill#15 Rebuild Recon Mortimer line Re-Arrangement Mountain Station Relay Replacement New MaPLE AVE - LINE PORTION New Tonawanda Station - Line Taps New Watertown 115-13.2kV T - Line North Troy Brkr & Relay Repl Ohio Street new 115 - 34.5kV sub Packard 77/78 Series Reactors Patroon sub relay upgrade line #6	C077034 C031478 C031478 C054267 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C049531 C049594 C060213 C049594 C060213 C04726 C064726 C064726 C064726 C064726 C064726 C064726 C064726 C064726 C064726 C064726 C064726 C069306 C064726 C069306 C065850 C060348 C0403672 C059673 C059306 C060346 C068850 C060346 C068850 C060346 C068850 C060346 C068850 C060346 C034528 C060346 C034528 C060346 C034528 C060346 C034528 C060348 C049603 C070395 C053156 C053155 C053155 C053156 C069438 C055263	720,000 720,000 1,600,000 1,600,000 1,346,000 28,404,000 1,100,000 0 1,120,000 0 1,120,000 0 1,120,000 0 250,000 1,995,000 0 250,000 250,000 225,000 491,000 225,000 491,000 38,000 6,000,000 1,150,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,000 500,00	0 182,000 4,000,000 0 0 0 0 8,125,000 0 0 0 0 250,000 44,226,000 0 182,000 0 225,000 0 0 4445,000 0 300,000 300,000 5,000,000 5,000,000 65,000 0 0 122,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 4,500,000 0 0 0 225,000 0 0 0 225,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
System Capacity	TO Led System Studies	Airco-Bfil Rvr147 Adv Metal Tap Albany-Greenbush 1&2 Reconductoring Batavia Second 115 kV Cap Bank Bethlehem sub relay upgrade line #6 Central Breaker Upgrades - Ash Celay-Teall#10.Clay-Dewitt#3 Recond Collamer Crossing 115kV Line TAP Construct Five Mile Station E.Golah 2nd 115kV tap Eastover - Add 2nd Bank EDIC - 345-230kV TB2 RECONNECT Elibridge WoS Reactors Elm St Relief Add 4th Xfer Gardenville-Erie 54-921 Reconductor GE-Geres Lock 8 T2240 Reconductor Giardenville-Erie 54-921 Reconductor Golah Sub rebuild Grdvll-Bfil Rvr146 2nd Tap Ohio Sta Land - Lasher Rd Substation Land Rights/Acquisition - Tran-NY Land-Clay-Teall#10,Clay-Dewitt #3 Lasher Rd Transmission Line Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Lasher Road Substation Malone Metalclad&Transformer Maplewood #19/#31Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands #10/#15 Reconductoring Menands Station Relay Replacement NEW MAPLE AVE - LINE PORTION New Tonawanda Station - Line Taps New Watertown 115-13.2kV T - Line North Troy Brkr & Relay Repl Ohio Street new 115 - 34.5kV sub Packard 77/778 Series Reactors	C077034 C031478 C031478 C043424 C043995 C070394 C024015 C051829 C060247 C044674 C069531 C047835 C064726 C053156 C064726 C064727 C059673 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C06936 C053155 C0693155 C0693155 C0693156 C053155 C0693156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053156 C053155 C069438	720,000 100,000 1,600,000 1,600,000 1,100,000 28,404,000 1,100,000 0 1,120,000 0 1,120,000 0 1,120,000 0 785,000 0 225,000 491,000 225,000 491,000 0 38,000 0 0 38,000 0 0 0 500,000 0 0 500,000 0 8,229,000 504,000 0 0 574,000 0 0 574,000 0 574,000 0 0 574,000 0 0 574,000 0 0 574,000 0 0 574,000 0 0 574,000 0 0 574,000 0 0 574,000 0 0 574,000 0 0 574,000 0 0 574,000 0 0 228,003,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 182,000 4,000,000 0 0 0 8,125,000 0 0 0 0 250,000 48,000 806,000 0 182,000 0 225,000 0 0 445,000 8,000,000 300,000 5,000,000 655,000 65,000 0 122,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 4,500,000 4,500,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
		Riverside-Reynolds Rd#4 Forbes Tap	C043592	0	0	0	73,000
		Rosa Rd add 115kV Cap Bank	C069467	0	60,000	1,900,000	0
		Rotterdam - Add Reactors LN19/20	C069548	200,000	2,360,000	100,000	0
		Rotterdam - Curry #11 recond	C060243	504,000	8,000,000	2,500,000	0
		Rotterdam Breaker Replacement	C049605	942,000	471,000	0	0
		Rotterdam-Reconfig Bus& add breaker	C060255	1,444,000	0	0	0
		Royal (New Harper) 115 kV line taps	C044594	0	0	28,000	629,000
		Royal (New Harper) TxT Substation	C044874	0	0	1,657,000	6,185,000
		Schaghticoke Control House	C062925	100,000	135,000	1,300,000	0
		Schaghticoke Switching Station	C060252	1,150,000	3,300,000	7,000,000	0
		Schaghticoke Tap Sw St - Line taps	C060253	142,000	207,000	630,000	0
		Schoharie substation reconfiguratio	C046494	0	915,000	938,000	0
		Sodeman Rd Install New taps	C043755	4,000	242,000	480,000	94,000
		Taps to 115 kV new Cicero Sub	C050939	0	100,000	370,000	120,000
		Ticonderoga- Inst Cap Bank, Rpl OCB	C060254	1,105,000	2,403,000	0	0
		TP Mortimer Second Bus tie	C050696	650,000	0	0	0
		Trans Study Budgetary Blanket NY	C008376	150,000	150,000	150,000	150,000
		Van Dyke 115-13.2 Sub Taps	C044173	0	0	0	628,000
		W. Ashville sub 115kV ln 160 tap	C043832	17,000	876,000	31,000	0
		W. Ashville substation TxT	C043833	923,000	4,831,000	1,769,000	0
		TO Led System Studies Total		76,502,000	64,160,000	34,369,000	18,177,000
	S	ystem Capacity Total		76,502,000	64,160,000	34,369,000	18,177,000
		Grand Total		190,165,000	206,000,000	210,000,000	222,000,000

 Capital Adjustments
 4
 (8,191,000)
 (12,586,500)
 (17,742,000)

 Proposal
 190,165,000
 197,809,000
 197,413,500
 204,258,000

Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Sub-Transmission Capital Investment Plan FY18 - FY21 (\$)

		In					
Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
		BETH-VOORHEESVILLE-RETIRE CALLANAN	C027582	0	0	0	10,000
		BUFFALO STATION 122 REBUILD - 23KV	CD00780	0	0	0	18,000
		CUBA CHEESE TAP 811-34.5 KV INSUL.	C075229	50,000	425,000	0	0
		CUYLER24 SUBT TAP-SUB REPLACEMENT	C060019	0	73,061	0	0
	D/SUB T Asset	Dunkirk Steam-Rel/repl 34.5 kV lns	C076185	0	0	0	0
	Replacement	LN404 MOUTAIN - SANBORN RECONDUCTOR	CD01276	0	579,500	0	0
	тершеетен	N.LAKEVILLE - RIDGE LN 218 REFURBIS	C046766	0	0	60,000	571,870
		NORTHVILLE-WELLS 1-23 KV INS.	C075062	50,000	1,000,000	1,000,000	0
		NY_35KV_FPC SWGR_CENTRAL_1 OF 4	C058959	300,050	599,954	467,500	0
		NY 35KV FPC SWGR WEST 1 OF 3	C058985	99,946	598,850	599,140	495,840
		RANKINE - ADAMS - 25 CYCLE LINE RET	C046620	0	4,615	4,615	0
		D/SUB T Asset Replacement Total	•	499,996	3,280,980	2,131,255	1,085,710
		CNY SUB TRANS-LINE ASSET REPLACE	CNC0075	213,960	218,000	218,000	223,000
	D/SUB T Blanket	ENY SUB TRANS-LINE ASSET REPLACE	CNE0075	67,920	69,000	69,000	71,000
		WNY SUB TRANS-LINE ASSET REPLACE	CNW0075	282,960	289,000	289,000	294,000
		D/SUB T Blanket Total	C14W0073	564,840	576,000	576,000	588.000
		BALSTN-RANDALL-W. MILTON 34.5KV REM	C048968	0	0	0	0 300,000
		BENNETT BRIDGE-SOLVAY 6-69KV-REMOVE	C048908	800	0	0	0
		CAMBRIA-LOCKPORT 411, 12KV REMOVAL	C067246	1,480	0	0	0
		CASTLETON GREENBUSH LINE 5	C036365	0	0	0	0
		GARDENVILLE-BLASDELL L131/L132 REM.	C036201	0	0	0	0
		HOMER HILL-CERES 809-34.5KV RETIRE	CD00825	7,650	0	0	0
		JELIFF TAP 34.5KV -REMOVE	C049097	0	0	0	0
	D/CLID T Do Ensur:	LICTON HELIVELTON 25 DEMOVAL	C025079	3,000	0	0	0
	D/SUB T_De-Energized	NEW GARDENVILLE SUBSTATION-SUBT LIN	CD00636	69,561	33,200	0	0
	T Line Strategy	RANKINE-HARPER 16/17 AND ADAMS -HAR	C046514	0	0	0	0
		REMOVE BUCKLEY ROAD TAP 24-34.5KV	C072566	0	0	0	0
				0	0	0	0
		REMOVE SCHOOL STWATERVLIET 3/4	C046512				
		S NIAGARA FALLS SUB-T LINE REMOVE	C053426	0	1,500	0	7,000
		TERMINAL STA B - R48, R46, R25 REM.	C036204	1,560	1,560	0	0
		TERMINAL STA C - C12 & C14 REMOVAL	C036203	990	0	0	0
		TERMINAL-CORNELIA 43 13.2KV-REMOVE	C049037	0	0	0	0
		WEST-YAH/WEST-CLINTON 24 REMOVAL	C075228	0	0	0	0
	E	SUB T De-Energized T Line Strategy Total		85,041	36,260	0	7,000
		I&M - NC SUB-T LINE WORK FROM INSP	C026166	1,095,900	2,255,639	2,233,152	2,233,152
	D/SUB T_Inspection \$	I&M - NE SUB-T LINE WORK FROM INSP	C026165	1,095,900	1,583,529	1,568,027	1,568,027
	Maintenance	I&M - NW SUB-T LINE WORK FROM INSP	C026167	2,096,141	2,304,670	2,281,414	2,281,414
	Maintenance	IE - NW SUBT TOWERS	C031855	93,600	0	0	2,201,111
		D/SUB T Inspection \$ Maintenance Total	C031633	4,381,541	6,143,838	6,082,593	6,082,593
			C0(0(4(				
		404 LINE - UG CABLE REPLACEMENT	C069646	0	680,000	0	0
		701 LINE - KENSINGTON EXPWY UG	C053243	0	0	0	0
		BUFFALO 23KV RECSEN. 1,2,3,19,31S	C048826	0	0	2,400,400	1,200,000
	D/SUB T_Sub T UG	BUFFALO 23KV UG CABLE REPLACEMENT	C052483	0	0	0	0
	Cable Replacement	BUFFALO STATION 59 REBUILD - 23 KV	C033472	297,000	0	0	0
		PARTRIDGE-AVE A 5 CABLE REPLACEME	C036273	0	1,002,000	0	0
		Rotterdam #34 #36 34.5kV Cable Replacement	C077065	0	0	1,120,000	0
		SOLVAY ASH 27 CABLE REPL SUBT	C032147	0	0	639,100	616,690
	D	SUB T Sub T UG Cable Replacement Total	•	297,000	1,682,000	4,159,500	1,816,690
		BUFFALO STATION 30 - REBUILD - 23KV	C015755	0	0	0	0
	D/SUB T_Substation	BUFFALO STATION 37 REBUILD - 23 KV	C033471	106,680	0	0	0
	Indoor	BUFFALO STATION 53 REBUILD - 23 KV	C046928	0	0	30,000	150.450
			C040928				
		D/SUB T_Substation Indoor Total	0022102	106,680	0	30,000	150,450
		AMSTERDAM-ROTTERDAM3/4 RELOCATION	C033182	0	0	0	2,887,200
		BALLSTON-MECHANICVILLE 6-34.5KV	C046472	139,120		1,235,800	(
		BALLSTON-SHORE RD 8-34.5 KV	C046457	0	0	97,000	555,270
		BARKER-LYNDONVILLE 301-34.5KV	C052511	0	0	0	75,000
		BETHLEHEM-SELKIRK 5-34.5KV	C048817	9,000	280,000	54,600	(
		BOONVILLE-RACQUETTE LAKE 46 KV SYST	C072528	749,600	0	0	(
		BRISTOL HILL-PHOENIX 23-34.5KV	C046474	0	0	0	77,000
		BURNETT-HEADSON 34-34.5KV	C050199	0	0	0	45,000
				107,070	830,000	830,000	43,000
			C046641		350,000		
		CALLANAN TAP - REBUILD EXIST 34.5LN	C046641		600.000	Λ	
		CALLANAN TAP - REBUILD EXIST 34.5LN COTTRELL PAPER TAP 11-34.5KV	C046443	0	600,090	0	
		CALLANAN TAP - REBUILD EXIST 34.5LN COTTRELL PAPER TAP 11-34.5KV DAKE HILL-W. SALAMANCA 816-34.5KV	C046443 C046469	0	0	0	83,000
		CALLANAN TAP - REBUILD EXIST 34.5LN COTTRELL PAPER TAP 11-34.5KV DAKE HILL-W. SALAMANCA 816-34.5KV DEERFIELD-SCHUYLER 22-46KV	C046443 C046469 C050288	0 0 0	100,000	1,287,000	83,000
Asset Condition		CALLANAN TAP - REBUILD EXIST 34.5LN COTTRELL PAPER TAP 11-34.5KV DAKE HILL-W. SALAMANCA 816-34.5KV DEERFIELD-SCHUYLER 22-46KV DEERFIELD-WHITESBORO 26-46KV	C046443 C046469 C050288 C046459	0 0 0	0 100,000 0	1,287,000 0	83,000 ( 160,380
Asset Condition		CALLANAN TAP - REBUILD EXIST 34.5LN COTTRELL PAPER TAP 11-34.5KV DAKE HILL-W. SALAMANCA 816-34.5KV DEERFIELD-SCHUYLER 22-46KV	C046443 C046469 C050288	0 0 0	0 100,000 0	1,287,000	83,000 ( 160,380
Asset Condition		CALLANAN TAP - REBUILD EXIST 34.5LN COTTRELL PAPER TAP 11-34.5KV DAKE HILL-W. SALAMANCA 816-34.5KV DEERFIELD-SCHUYLER 22-46KV DEERFIELD-WHITESBORO 26-46KV	C046443 C046469 C050288 C046459	0 0 0	0 100,000 0	1,287,000 0	83,000 (160,380 129,000
Asset Condition		CALLANAN TAP - REBUILD EXIST 34.5LN COTTRELL PAPER TAP 11-34.5KV DAKE HILL-W. SALAMANCA 816-34.5KV DEERFIELD-SCHUYLER 22-46KV DEERFIELD-WHITESBORO 26-46KV ELBRIDGE-JEWITT 31-34.5KV REFURB	C046443 C046469 C050288 C046459 C050959	0 0 0 0	0 100,000 0	0 1,287,000 0	83,000 (160,380 129,000 190,810
Asset Condition		CALLANAN TAP - REBUILD EXIST 34.5LN COTTRELL PAPER TAP 11-34.5KV DAKE HILL-W. SALAMANCA 816-34.5KV DEERFIELD-SCHUYLER 22-46KV DEERFIELD-WHITESBORO 26-46KV ELBRIDGE-JEWITT 31-34.5KV REFURB ELBRIDGE-MARCELLUS 30 REFURBISHMENT	C046443 C046469 C050288 C046459 C050959 C054927	0 0 0 0 0	0 100,000 0 0 24,900	0 1,287,000 0 0 132,720	83,000 (160,380 129,000 190,810 50,000
Asset Condition		CALLANAN TAP - REBUILD EXIST 34.5LN COTTRELL PAPER TAP 11-34.5KV DAKE HILL-W. SALAMANCA 816-34.5KV DEERFIELD-SCHUYLER 22-46KV DEERFIELD-WHITESBORO 26-46KV ELBRIDGE-JEWITT 31-34.5KV REFURB ELBRIDGE-MARCELLUS 30 REFURBISHMENT EPRATAH-CAROGA 2-23KV FORT COVINGTON-MALONE 26-34.5KV	C046443 C046469 C050288 C046459 C050959 C054927 C046456 C050197	0 0 0 0 0 0 0	0 100,000 0 0 24,900 0	0 1,287,000 0 0 132,720 0 600,000	83,000 (160,380 129,000 190,816 50,000 530,292
Asset Condition		CALLANAN TAP - REBUILD EXIST 34.5LN COTTRELL PAPER TAP 11-34.5KV DAKE HILL-W. SALAMANCA 816-34.5KV DEERFIELD-SCHUYLER 22-46KV DEERFIELD-WHITESBORO 26-46KV ELBRIDGE-JEWITT 31-34.5KV REFURB ELBRIDGE-MARCELLUS 30 REFURBISHMENT EPRATAH-CAROGA 2-23KV FORT COVINGTON-MALONE 26-34.5KV GLOVERSVILLE - CANAJ. 6 REFURBISH	C046443 C046469 C050288 C046459 C050959 C054927 C046456 C050197 C016236	0 0 0 0 0 0 0 0	0 100,000 0 0 24,900 0 0	0 1,287,000 0 0 132,720 0 600,000 100,000	83,000 160,380 129,000 190,810 50,000 530,292 2,900,000
Asset Condition		CALLANAN TAP - REBUILD EXIST 34.5LN COTTRELL PAPER TAP 11-34.5KV DAKE HILL-W. SALAMANCA 816-34.5KV DEERFIELD-SCHUYLER 22-46KV DEERFIELD-WHITESBORO 26-46KV ELBRIDGE-JEWITT 31-34.5KV REFURB ELBRIDGE-MARCELLUS 30 REFURBISHMENT EPRATAH-CAROGA 2-23KV FORT COVINGTON-MALONE 26-34.5KV GCOVERSVILLE - CANAJ. 6 REFURBISH HARTFIELD-S. DOW 859 34.5 KV PRT 3	C046443 C046469 C050288 C046459 C050959 C054927 C046456 C050197 C016236 C074502	0 0 0 0 0 0 0 0 0	0 100,000 0 0 24,900 0 0 0	0 1,287,000 0 0 132,720 0 600,000 100,000 1,649,830	83,000 160,380 129,000 190,810 50,000 530,290 2,900,000 1,500,25:
Asset Condition		CALLANAN TAP - REBUILD EXIST 34.5LN COTTRELL PAPER TAP 11-34.5KV DAKE HILL-W. SALAMANCA 816-34.5KV DEERFIELD-SCHUYLER 22-46KV DEERFIELD-WHITESBORO 26-46KV ELBRIDGE-JEWITT 31-34.5KV REFURB ELBRIDGE-MARCELLUS 30 REFURBISHMENT EPRATAH-CAROGA 2-23KV FORT COVINGTON-MALONE 26-34.5KV GLOVERSVILLE - CANAJ. 6 REFURBISH HARTFIELD-S. DOW 859 34.5 KV PRT 3 HARTFIELD-S. DOW 859-RELOCATE PART	C046443 C046469 C050288 C046459 C050959 C054927 C046456 C050197 C016236 C074502 C052209	0 0 0 0 0 0 0 0 0 0 0	0 100,000 0 0 24,900 0 0 0 0 550,290	0 1,287,000 0 0 132,720 0 600,000 100,000 1,649,830 750,000	83,00 160,38 129,00 190,81 50,00 530,29 2,900,00 1,500,25
Asset Condition		CALLANAN TAP - REBUILD EXIST 34.5LN COTTRELL PAPER TAP 11-34.5KV DAKE HILL-W. SALAMANCA 816-34.5KV DEERFIELD-SCHUYLER 22-46KV DEERFIELD-WHITESBORO 26-46KV ELBRIDGE-JEWITT 31-34.5KV REFURB ELBRIDGE-MARCELLUS 30 REFURBISHMENT EPRATAH-CAROGA 2-23KV FORT COVINGTON-MALONE 26-34.5KV GLOVERSVILLE - CANAJ. 6 REFURBISH HARTFIELD-S. DOW 859 34.5 KV PRT 3 HARTFIELD-S. DOW 859 94.5 KV PRT 3 HARTFIELD-S. DOW 859-RELOCATE PART HH-CERES 809 FLOOD PLAIN RELOC.	C046443 C046469 C050288 C046459 C050959 C054927 C046456 C050197 C016236 C074502 C052209 C075854	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 100,000 0 24,900 0 0 0 0 550,290 245,000	0 1,287,000 0 0 132,720 0 600,000 1,649,830 750,000 0	83,00 160,38 129,00 190,81 50,00 530,29 2,900,00 1,500,25
Asset Condition		CALLANAN TAP - REBUILD EXIST 34.5LN COTTRELL PAPER TAP 11-34.5KV DAKE HILL-W. SALAMANCA 816-34.5KV DEERFIELD-SCHUYLER 22-46KV DEERFIELD-WHITESBORO 26-46KV ELBRIDGE-JEWITT 31-34.5KV REFURB ELBRIDGE-MARCELLUS 30 REFURBISHMENT EPRATAH-CAROGA 2-23KV FORT COVINGTON-MALONE 26-34.5KV GLOVERSVILLE - CANAJ. 6 REFURBISH HARTFIELD-S. DOW 859 34.5 KV PRT 3 HARTFIELD-S. DOW 859-RELOCATE PART HH-CERES 809 FLOOD PLAIN RELOC. HOMER HILL-NILE 811-34.5KV	C046443 C046469 C050288 C046459 C050959 C050959 C046456 C050197 C016236 C074502 C052209 C075854 C050326	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 100,000 0 0 24,900 0 0 0 0 550,290 245,000	0 1,287,000 0 0 132,720 0 600,000 100,000 1,649,830 750,000 0 47,000	83,00 160,38 129,00 190,81 50,00 530,29 2,900,00 1,500,25
Asset Condition		CALLANAN TAP - REBUILD EXIST 34.5LN COTTRELL PAPER TAP 11-34.5KV DAKE HILL-W. SALAMANCA 816-34.5KV DERFIELD-SCHUYLER 22-46KV DEERFIELD-WHITESBORO 26-46KV ELBRIDGE-JEWITT 31-34.5KV REFURB ELBRIDGE-MARCELLUS 30 REFURBISHMENT EPRATAH-CAROGA 2-23KV FORT COVINGTON-MALONE 26-34.5KV GLOVERSVILLE - CANAJ. 6 REFURBISH HARTFIELD-S. DOW 859 34.5 KV PRT 3 HARTFIELD-S. DOW 859-RELOCATE PART HH-CERES 809 FLOOD PLAIN RELOC. HOMER HILL-NILE 811-34.5KV HOMER HILL-NILE 811-34.5KV	C046443 C046469 C050288 C046459 C050959 C054927 C046456 C050197 C016236 C074502 C052209 C075854 C050326 CD01216	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 100,000 0 24,900 0 0 0 0 550,290 245,000 0	0 1,287,000 0 0 132,720 0 600,000 100,000 1,649,830 750,000 0 47,000	83,000 160,380 129,000 190,810 50,000 530,290 2,900,000 1,500,250 60 841,620 172,640
Asset Condition		CALLANAN TAP - REBUILD EXIST 34.5LN COTTRELL PAPER TAP 11-34.5KV DAKE HILL-W. SALAMANCA 816-34.5KV DEERFIELD-SCHUYLER 22-46KV DEERFIELD-WHITESBORO 26-46KV ELBRIDGE-JEWITT 31-34.5KV REFURB ELBRIDGE-MARCELLUS 30 REFURBISHMENT EPRATAH-CAROGA 2-23KV FORT COVINGTON-MALONE 26-34.5KV GCOVERSVILLE - CANAJ. 6 REFURBISH HARTFIELD-S. DOW 859 34.5 KV PRT 3 HARTFIELD-S. DOW 859-RELOCATE PART HH-CERES 809 FLOOD PLAIN RELOC. HOMER HILL-NILE 811-34.5KV HOMER HILL-NILE 811-34.5KV HOMER HILL-NILE 811-34.5KV	C046443 C046469 C050288 C046459 C050959 C054927 C046456 C050197 C016236 C074502 C052209 C075854 C050326 C050318	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 100,000 0 0 24,900 0 0 0 0 550,290 245,000	0 1,287,000 0 0 132,720 0 600,000 1,649,830 750,000 0 47,000 0 65,000	83,000 (160,38(129,000) 129,000 190,81(150,000) 530,292 2,900,000 1,500,253 (172,64(135,64(135,00))
Asset Condition		CALLANAN TAP - REBUILD EXIST 34.5LN COTTRELL PAPER TAP 11-34.5KV DAKE HILL-W. SALAMANCA 816-34.5KV DERFIELD-SCHUYLER 22-46KV DEERFIELD-WHITESBORO 26-46KV ELBRIDGE-JEWITT 31-34.5KV REFURB ELBRIDGE-MARCELLUS 30 REFURBISHMENT EPRATAH-CAROGA 2-23KV FORT COVINGTON-MALONE 26-34.5KV GLOVERSVILLE - CANAJ. 6 REFURBISH HARTFIELD-S. DOW 859 34.5 KV PRT 3 HARTFIELD-S. DOW 859-RELOCATE PART HH-CERES 809 FLOOD PLAIN RELOC. HOMER HILL-NILE 811-34.5KV HOMER HILL-NILE 811-34.5KV	C046443 C046469 C050288 C046459 C050959 C054927 C046456 C050197 C016236 C074502 C052209 C075854 C050326 CD01216	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 100,000 0 24,900 0 0 0 0 550,290 245,000 0	0 1,287,000 0 0 132,720 0 600,000 100,000 1,649,830 750,000 0 47,000	83,000 (160,38(129,000) 129,000 190,81(150,000) 530,292 2,900,000 1,500,253 (172,64(135,64(135,00))
Asset Condition		CALLANAN TAP - REBUILD EXIST 34.5LN COTTRELL PAPER TAP 11-34.5KV DAKE HILL-W. SALAMANCA 816-34.5KV DEERFIELD-SCHUYLER 22-46KV DEERFIELD-WHITESBORO 26-46KV ELBRIDGE-JEWITT 31-34.5KV REFURB ELBRIDGE-MARCELLUS 30 REFURBISHMENT EPRATAH-CAROGA 2-23KV FORT COVINGTON-MALONE 26-34.5KV GCOVERSVILLE - CANAJ. 6 REFURBISH HARTFIELD-S. DOW 859 34.5 KV PRT 3 HARTFIELD-S. DOW 859-RELOCATE PART HH-CERES 809 FLOOD PLAIN RELOC. HOMER HILL-NILE 811-34.5KV HOMER HILL-NILE 811-34.5KV HOMER HILL-NILE 811-34.5KV	C046443 C046469 C050288 C046459 C050959 C054927 C046456 C050197 C016236 C074502 C052209 C075854 C050326 C050318	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 100,000 0 0 24,900 0 0 0 550,290 245,000 0 0	0 1,287,000 0 0 132,720 0 600,000 1,649,830 750,000 0 47,000 0 65,000	83,000 (160,384 129,000 190,814 50,000 530,29; 2,900,000 (1,500,25; (172,644 350,200 700,000
Asset Condition		CALLANAN TAP - REBUILD EXIST 34.5LN COTTRELL PAPER TAP 11-34.5KV DAKE HILL-W. SALAMANCA 816-34.5KV DEERFIELD-SCHUYLER 22-46KV DEERFIELD-WHITESBORO 26-46KV ELBRIDGE-JEWITT 31-34.5KV REFURB ELBRIDGE-MARCELLUS 30 REFURBISHMENT EPRATAH-CAROGA 2-23KV FORT COVINGTON-MALONE 26-34.5KV GLOVERSVILLE - CANAJ. 6 REFURBISH HARTFIELD-S. DOW 859 34.5 KV PRT 3 HARTFIELD-S. DOW 859-RELOCATE PART HH-CERES 809 FLOOD PLAIN RELOC. HOMER HILL-NILE 811-34.5KV HOMER HILL-NILE 811-34.5KV LYNDONVILLE-MEDINA 301-34.5KV	C046443 C046469 C050288 C046459 C050959 C054927 C046456 C050197 C016236 C074502 C052209 C075854 C050326 CD01216 C050318 C046441 C052512	0 0 0 0 0 0 0 0 0 0 101,000 315,000 0 0	0 100,000 0 0 24,900 0 0 0 550,290 245,000 0 0	0 1,287,000 0 0 132,720 0 600,000 100,000 1,649,830 750,000 0 47,000 0 65,000 54,000	83,000 (100,388 129,000 190,816 50,000 530,292 2,900,000 1,500,255 (100,000 841,620 172,640 350,200 (700,000
Asset Condition		CALLANAN TAP - REBUILD EXIST 34.5LN COTTRELL PAPER TAP 11-34.5KV DAKE HILL-W. SALAMANCA 816-34.5KV DEERFIELD-SCHUYLER 22-46KV DEERFIELD-WHITESBORO 26-46KV ELBRIDGE-JEWITT 31-34.5KV REFURB ELBRIDGE-MARCELLUS 30 REFURBISHMENT EPRATAH-CAROGA 2-23KV FORT COVINGTON-MALONE 26-34.5KV GLOVERSVILLE - CANAJ. 6 REFURBISH HARTFIELD-S. DOW 859 34.5 KV PRT 3 HARTFIELD-S. DOW 859-RELOCATE PART HH-CERES 809 FLOOD PLAIN RELOC. HOMER HILL-NILE 811-34.5KV HOMER HILL-NILE 811-34.5KV HOMER HILL-NILE 811-34.5KV LHH-MALLORY 22-34.5KV LYNDONVILLE-MEDINA 301-34.5KV M&T BANK TAP 701-34.5KV	C046443 C046469 C050288 C046459 C050959 C054927 C046456 C050197 C016236 C074502 C052209 C075854 C050318 C046441 C050318 C046462	0 0 0 0 0 0 0 0 0 0 101,000 315,000 0 0 0	0 100,000 0 0 24,900 0 0 0 0 245,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1,287,000 0 0 132,720 0 600,000 100,000 1,649,830 750,000 0 47,000 0 65,000 54,000 0	83,000 160,380 129,000 190,816 50,000 1,500,255 0 841,620 700,000 0 0 0 0
Asset Condition		CALLANAN TAP - REBUILD EXIST 34.5LN COTTRELL PAPER TAP 11-34.5KV DAKE HILL-W. SALAMANCA 816-34.5KV DEERFIELD-SCHUYLER 22-46KV DEERFIELD-WHITESBORO 26-46KV ELBRIDGE-JEWITT 31-34.5KV REFURB ELBRIDGE-MARCELLUS 30 REFURBISHMENT EPRATAH-CAROGA 2-23KV FORT COVINGTON-MALONE 26-34.5KV GLOVERSVILLE - CANAJ. 6 REFURBISH HARTFIELD-S. DOW 859 34.5 KV PRT 3 HARTFIELD-S. DOW 859-RELOCATE PART HH-CERES 809 FLOOD PLAIN RELOC. HOMER HILL-NILE 811-34.5KV HOMER HILL-NILE 811-34.5KV LYNDONVILLE-MEDINA 301-34.5KV	C046443 C046469 C050288 C046459 C050959 C054927 C046456 C050197 C016236 C074502 C052209 C075854 C050326 CD01216 C050318 C046441 C052512	0 0 0 0 0 0 0 0 0 0 101,000 315,000 0 0	0 100,000 0 0 24,900 0 0 0 550,290 245,000 0 0	0 1,287,000 0 0 132,720 0 600,000 100,000 1,649,830 750,000 0 47,000 0 65,000 54,000	83,000 (100,386 129,000 190,816 50,000 530,292 2,900,000 (0 841,620 172,640 350,200 (700,000

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MEANDALE PROPERTY   PRICE AND STATEMENT   0.000212   0   0   0   0   0   0   0   0   0	Spending Rationale	Program						FY21 0
DSUB T_Sect								129,000
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Design   Section   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design   Design				+				0
D.S.II.T. Sub-T				+			_	
DSUB T Sub-   Orichard Lane								
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PHILIPS-THLEGAPH 104-34-5KY		D/SUB T_Sub-T	OLD FORGE-RACQUETTE LAKE 22 46KV	C074003	0	0	100,000	3,500,300
DELENSBURKY-HERNY STREET 14-15 NX		Overhead Line		+				0
RETURNISH ILLNS 261 31 M. SAIT SHIFT COMBOTT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
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REFURDING IT PAIR 1,25 WOOD ARD 24.4 \$\overline{1}\$ 0.85,00   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   600,000   60								0
BELECKATI IS DOW-POLAND ISSAEL SEY				+	379,050		0	0
ROTTERDAMSCOTIA-ROSA ROAD 23 45							600,000	600,090
SCOTLARDONARD 6, 34 SKY REFURB								0 120
SHALETON-RIDGE 610 STATION 2071AF  SHORE ROAD-ROSA RADOS 34 SAV CO74593 0 0 0 0 20 57500  SIGNAY 26  SIGNAY 26  SIGNAY 26  SIGNAY 26  SIGNAY 26  SIGNAY 26  SIGNAY 26  SIGNAY 26  SIGNAY 26  SIGNAY 26  SIGNAY 26  SIGNAY 26  SIGNAY 26  SIGNAY 27  SIGNAY 26  SIGNAY 27  SIGNAY 26  SIGNAY 26  SIGNAY 26  SIGNAY 26  SIGNAY 27  SIGNAY 26  SIGNAY 26  SIGNAY 26  SIGNAY 27  SIGNAY 26  SIGNAY 26  SIGNAY 27  SIGNAY 26  SIGNAY 26  SIGNAY 27  SIGNAY 26  SIGNAY 26  SIGNAY 27  SIGNAY 26  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27  SIGNAY 27				+				
SHORE ROAD-ROAR ROAD 5 14 SEV								
SOLVAY 26								75,006
STAGE REPLANW SUBF FOLK MIDSTAL   C.000544   16,600   124,500   0 0 0 2,000   0 0 0 2,000   0 0 0 2,000   0 0 0 0 2,000   0 0 0 2,000   0 0 0 0 2,000   0 0 0 0 0 2,000   0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					0	0	92,000	551,000
STATE ST SUR-T RETIREMENT				C046439			457,300	115,000
SIATION 126 LAPS 331/341-2318.V   0.046450   0 0 0 24,900   31,2000   1			STA 66 REPL/NEW SUBT POLE MTD STA.					0
TAYLORVILLE-FFELY 24-25KV   C046437   30,710   652,000   0   0   0   0   0   0   0   1   1				+				
Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.							_	
TONAWANDA LINES 601-604-23KV								
TONAWANDA LINES 601-604-23EV								0
FIGNAMANDA LINES 622-64-23ENY							_	0
REINTON-WHITESHORD 25.46KV								80,000
DINION-AUSABLE FORKS 36-46K-V REF				+			_	435,000
VARICK-BRISTOL HILL 20:34 SKV								1,539,650
W. MILTON 1AP-34 SKV NEW LINE				+				
W. PORTLAND-SHERMAN 867-34 SKY								
W. SALAMANCA-HOMER HILL 803-34 SEV								
WATERPORT TAP 301.34 SKY				+		, ,		464,950
WOODARD 24/TEALL 25 REFURB N-190					0	0	0	0
WOODARD 28:34 SKY			WEST PORTLAND-SHERMAN 867 RELOCATIO	C055118				2,280,010
WOODARD 29-34 SKY							,	
WOODARD-TEALL 32-34 5KV REFURBISH								
Althoropasis Clurron 24 -46KV				+				
A								
Asset Condition Total								419,840
CNY SUB TRANS-LINE NEW BUSINESS   CNC0071   7-920   8,000   8,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000   4,000			D/SUB T_Sub-T Overhead Line Total					30,829,921
CNY SUB TRANS-LINE PUBLIC REQUIRE   CNC0072   37,920   39,000   39,000   40,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000   29,000		Asse		,				40,560,364
D/SUB T_Blanket   D/SUB T_Blanket   ENY SUB TRANS-LINE NEW BUSINESS   CNED071   2.7,960   29,000   29,000   29,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   20,000   2								
Customer Requests/Public Requirements				+		,		
Customer Requests/Public Requirements   Public Requirements   Public Requirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Public Reguirements   Pu								
Customer Requests/Public Requirements		D/SUB T_Blanket						
Note								36,000
Requirements	Customer Requests/Public		WNY SUB TRANS-LINE NEW BUSINESS	CNW0071	30,960	32,000		32,000
DISUB T New   Business   TESSY PLASTIC 34.5KV TAP   C073596   30,000   0   0   0   0   0   0   0   0	-			CNW0072				53,000
Business   TXD RESERVE FOR NEW BUSINESS COMMER   C046913   1,749,880   1,785,430   1,821,352   1,857,274	requientions	D/GLID T 31		0072504				
D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   Requirements   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_Public   D/SUB T_P		_						1 857 274
D/SUB T_Public Requirements		Business		C040913				
Requirements		D/SUB T Public	_	002.1555	1,77,000	1,700,700	1,021,332	1,001,214
Disub T   Public Requirements Total   0 0 0 0 93,960		_	DOTK NYSKT28 WHITE LK-MCKEEVER SUBT	C034722	0	0	0	93,960
Damage/Failure					0	0	0	93,960
Damage/Failure		Customer Reques		m				2,260,234
Damage/Failure		D/CLID T D1 1					,	
D/SUB T_Blanket Total   4,082,880   4,164,000   4,164,000   4,248,000	Damage/Failure	D/SOR I_Blanket						
Damage/Failure Total				CIN W00/3				
D/SUB T_Blanket		Dam						
D/SUB T_Blanket				CNC0076				27,000
D/SUB T_Blanket Total   171,840   176,000   176,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000   179,000		D/SUB T_Blanket	ENY SUB TRANS-LINE RELIABILITY	CNE0076	51,960	53,000	53,000	54,000
ALDER CREEK-O.F. 23, PH.I HENDRIX   C074002   75,000   825,000   0   0   0				CNW0076				98,000
D/SUB T_Reliability				C074000			_	
D/SUB T_Reliability								
LN863 FINDLEY LAKE - FRENCH CREEK E   C046510   0   0   0   0   145,500								
OHIO ST STATION - SUBT LINES   C055304   453,050   425,000   0   0   0		D/SUB T_Reliability						
W.ASHVILLE SUBSTATION TXD LN863 TAP								0
Reliability			W.ASHVILLE SUBSTATION TXD LN863 TAP					0
Flood Mitigation	n	D/OVER = 0 :						195,500
D/SUB T         Substaion Flood Mitigation Total         546,070         489,160         0         0           DA - NE SUBT AUTOMATION WILTON SUB         C035863         0         127,070         0         0	Reliability			+				0
DA - NE SUBT AUTOMATION WILTON SUB C035863 0 127,070 0 0				C068247				
	Ì			C035863				0
			GR- INSTALL DA ON THE 312 LINE	C055863	0	16,600	0	415,000

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
		INSTALL DA ON 201LINE	C069692	0	0	0	20,000
	D/SUB T_Sub-T	INSTALL DA ON BROOK-BALLSTON 11	C069691	20,000	605,000	0	0
	Automation	INSTALL DA RATHBUN-LABRADOR 39	C069693	389,838	0	0	0
		NR- INSTALL DA ON 21 LINE	C064006	16,000	625,000	0	0
		NR- INSTALL DA ON THE 23 LINE	C064026	16,000	0	500,000	0
		SW- INSTALL DA ON 801 LINE	C064027	16,000	129,600	0	0
		D/SUB T_Sub-T Automation Total		457,838	1,503,270	500,000	435,000
	Re	eliability Total		1,929,858	4,309,660	716,815	809,500
		CNY SUB TRANS-LINE LOAD RELIEF	CNC0077	1,000	1,000	1,000	1,000
	D/SUB T_Blanket	ENY SUB TRANS-LINE LOAD RELIEF	CNE0077	1,000	1,000	1,000	1,000
		WNY SUB TRANS-LINE LOAD RELIEF	CNW0077	19,000	19,000	19,000	20,000
		D/SUB T_Blanket Total	•	21,000	21,000	21,000	22,000
		BUFFALO 23KV RECONDUCTOR - HUNTLEY2	C028893	0	0	0	0
		EDEN SWITCH STRUCTURE -SUBT	C052023	0	1,433,100	218,450	66,300
System Capacity		GOLAH AVON 217 LINE RECONDUCTORING	C036054	0	0	50,000	675,750
	D/SUB T Load Relief	INSTALL PARALLEL CABLE OF NEWARK-MA	CD01121	0	52,000	646,400	0
	D/SOB 1_Load Relief	LHH - MALLORY 34.5 KV 22 LINE REG.	C073226	0	0	0	50,000
		MALLORY-CICERO 33-34.5KV-RELOCATION	C054507	69,120	0	0	0
		STATION 3012 SUB-T	C074906	0	818,900	2,289,500	1,144,750
		VAN DYKE-DELMARBYPASS EXTEN REBUILT	C053683	0	0	149,500	0
		D/SUB T_Load Relief Total		69,120	2,304,000	3,353,850	1,936,800
		m Capacity Total		90,120	2,325,000	3,374,850	1,958,800
		Grand Total	-	18,064,252	37,238,528	42,932,655	49,836,898

# Niagara Mohawk Power Corporation d/b/a National Grid NY

Illustrative example of Make Whole Provision

Line												
	Description	Includes	Includes 12 Month Bills	April 2019 Bills	Current Customer Charge	Proposed Customer Charge	April Customer Charge Unrealized Revenue	12 Month kWh Deliveries	April 2019 kWh Deliveries	Current kWh- Proposed kWh- Based Chg Based Chg	Proposed kWh- Based Chg	April kWh Unrealized Revenue
1	Residential	SC-1	17,779,729	1,480,024	\$17.00	\$17.00	1	11,042,711	830,249	\$0.04758	\$0.05044	\$2,374,513
7	Residential TOU	SC-1C	61,060	5,191	\$30.00	\$30.00	•	284,120	22,475	\$0.03140	\$0.03042	(\$22,025)
e	Small Gen No Dem	SC-2-ND	1,369,286	114,153	\$21.02	\$21.02	•	614,715	49,542	\$0.05696	\$0.05567	(\$63,909)
4	Small Gen Demand	SC-2-Dem	592,649	49,358	\$52.52	\$52.52	•	4,231,476	323,499	,	i	•
5	Large Gen-Sec	SC-3-S	45,119	3,762	\$260.15	\$325.00	243,957	4,418,259	356,656	,	i	1
9	Large Gen-Pri	SC-3-P	8,867	739	\$436.70	\$436.70	•	1,966,773	159,083	•	1	ı
7	Large Gen-Tran	SC-3-T	2,128	177	\$565.23	\$639.00	\$13,093.40	673,799	54,637	•	1	ı
∞	Large Gen TOU-S/P	SC-3A-S/P	776	88	\$1,000.00	\$1,333.33	\$29,339.09	1,212,981	98,840		•	1
6	Large Gen TOU-SubT SC-3A-U	SC-3A-U	812	63	\$1,400.00	\$1,744.00	\$21,820.15	1,611,724	325,553		•	•
10	Large Gen TOU-Tran SC-3A-T	SC-3A-T	1,126	95	\$3,500.00	\$4,007.00	\$48,200.74	7,091,765	394,245			•
Line	Description	Includes	Includes 12 Month Bills	April 2019 Bills	12 Month Current Customer Charge	April Proposed Charge Customer Charge Charge Revenue	April Customer Charge Unrealized Revenue	12 Month kWh Deliveries	April 2019 kWh Deliveries	Current kWh- Proposed kWh- Based Chg Based Chg	Proposed kWh- Based Chg	April kWh Unrealized Revenue
=	SC1	SC-L1	,		\$1,559,340	\$129,945	\$129,945	21,736	1,724	\$0.08787	\$0.08646	(\$2,430)
12	SC2	SC-L2	•	ı	\$35,637,914	\$2,969,826	\$2,969,826	143,377	11,369	\$0.08521	\$0.08646	\$14,212
13	SC3	SC-L3	•	ı	\$3,943	\$329	\$329	6,445	511	\$0.05906	\$0.05935	\$148
14	SC4	SC-L4	•	ı	\$824,276	868,690	868,690	8,970	711	\$0.01075	\$0.01080	\$36

## NOTES:

- (1) The revenue variance associated with the delay for the credit and collections, supply procurement and storage components of the MFC will flow through their annual reconciliations.
  - (2) The revenue variance associated with the delay in the bad debt rate will flow through the credit and collections annual reconciliation.
    (3) The revenue variance associated with the delay in the working capital rate will flow through the supply procurement annual reconciliation.
    (4) The revenue variance associated with the POR will be reconciled through a manual adjustment to the ESCo billing system.
    (5) The same methodology will be applied to Consolidated Billing Charges.

## Niagara Mohawk Power Corporation d/b/a National Grid NY Illustrative example of Make Whole Provision

	•					
Current Proposed April Demand Demand Demand Charge Unrealized Charge Charge	emand 12 Month April NYPA nrealized NYPA kW kW	NYPA NYPACr W edit	April Unrealized Credit Revenue	April Unrealized 11 Distribution Surch Revenue	11 Month Surcharge rate	11 Month Customer Charge
	1			\$2,374,513	\$0.00023	\$17.00
	ı			(\$22,025)	(\$0.00008)	\$30.00
	-			_	(\$0.00011)	\$21.02
\$10.27 \$10.61	\$372,019 15,033 1,3	1,235 (\$0.53)	(\$658)	\$371,361	\$0.02798	\$52.52
\$10.03	\$170,063 369,810 30,3	30,554 (\$0.70)	(\$21,384)	\$148,679	\$0.01419	\$389.85
\$8.15 \$8.61	\$170,102 396,583 33,	_	(\$25,926)	\$144,176	\$0.03461	\$436.70
\$2.77 \$2.68	(\$12,446) 292,985 24,9		(\$16,629)	(\$29,075)	(\$0.01795)	\$712.77
\$9.18 \$9.58	\$81,588 527,789 44,4	14,447 (\$0.85)	(\$37,938)	\$43,650	\$0.01909	\$1,666.66
\$3.56 \$3.45	(\$29,137) 489,379 40,7		(\$36,382)	(\$65,519)	(\$0.02196)	\$2,088.00
\$2.84 \$2.97	\$143,810 6,619,042 561,	(\$0.84)	(\$473,052)	(\$329,242)	(\$0.02660)	\$4,514.00
Current Proposed April Demand Demand Charge Charge Charge Re	April Demand Charge Unrealized NYPA kW kW Revenue	NYPA Credit W	April Unrealized Credit	April Unrealized 11. Distribution Surch Revenue	11 Month Surcharge rate	
				\$127.515	\$0,00637	
,	,	,	•	\$2,984,038	\$0.02261	
1		1	1	\$477	\$0.00008	
				\$68.725	\$0.00832	

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Niagara Mohawk Power Corporation d/b/a National Grid NV Illustrative example of Make Whole Provision applicable to Residential Gas

SC2 Comm

SC3

SC5

SC1 Res

(i) Bovised	May 2018-Mar 2019 Rates	0.4337	0.3003 0.1747 0.0560	0.0934	557.78	0.1274	1,050.04 0.0736 0.0694 0.0596	0.0445	905.45 0.0361 0.5679	(s)	May 2018-Mar 2019 Rates \$ 0.96
	Мау	s s	s s s	s	ss ss	s	s s s s	s	s s s		May
(h) Surcharde to	be added to May 2018-Mar 2019 rates	\$ 0.0056	\$ 0.0003 \$ 0.0002 \$	\$ (0.0003)	\$ 2.9500	\$ 0.0009	\$ 10.50 \$ 0.0007 \$ 0.0008 \$	\$ (0.0004)	\$ 7.95 \$ 0.0004 \$	(b)	Credit to be removed from May 18 - Mar 19 rates \$
(8)	May 2018-Mar 2019 Sales - (Therms) or Cust	182,159,015 272,762,113	59,185,174 109,825,364 22,491,885	7,368,721	1,738 72,221,810	45,242,369	660 52,613,992 77,904,356 83,777,050	59,472	2,547,950 3,300,000	(d)	May 2018-Mar 2019 # Bills 6,308,289
( <del>J</del> )	FY 2019 Sales - (Therms)	205,703,667 305,457,432	66,800,863 123,080,477 24,974,361	8,214,182	1,896 79,974,659	50,680,674	720 57,818,086 87,162,377 90,935,978	63,237	12 2,879,234 3,600,000	(0)	FY 2019 # Bills 6,882,156
(e)	Lost Revenue	1,012,185	19,420 19,618 1,192	(2,562)	5,127	40,842	6,930 37,261 62,399 41,665	(22)	87 1,116 15,996	(u)	Incremental Revenue (149,205)
		v v	w w w	φ.	v. v.	۰,	· · · · ·	٠,	w w w		s.
(b)	April 2018 Sales - (Therms) or Cust	23,544,653 32,695,319	7,615,689 13,255,113 2,482,477	845,461	158 7,752,848	5,438,304	60 5,204,094 9,258,021 7,158,928	3,765	331,283 300,000	(m)	# Bills 573,867
(0)	Change	0.04299	0.00255 0.00148 0.00048	(0.00303)	32.45 0.00761	0.00751	115.50 0.00716 0.00674 0.00582	(0.00584)	87.43 0.00337 0.05332	€	Change (0.26)
(q)	Proposed Rate per Therm	0.42819 \$	0.29999 \$ 0.17450 \$ 0.05595 \$	0.09376 \$	554.83 \$ 0.07211 \$	0.12647 \$	1,039.54 \$ 0.07285 \$ 0.06856 \$ 0.05915 \$	0.04490 \$	897.50 \$ 0.03565 \$ 0.56306 \$	(k)	Proposed Rate per bill 0.98 \$
	<u>.</u>	\$ \$	s s s	S	<b>φ φ</b>	\$	s s s s	s.	s s s		\$
(a)	Current Rate per Therm	0.38520	0.29744 0.17302 0.05547	0.09679	522.38	0.11896	924.04 0.06569 0.06182 0.05333	0.05074	810.07 0.03228 0.50974	(i)	Current Rate per bill 1.24
	2	s s	s s s	s	s s	s	w w w w	s	s s s		บี ร
		Block 2 Block 3	Block 2 Block 3 Block 4	Block 2	Block 1 (Cust Chg) per customer Block 2	Block 2	Block 1 (Cust Chg) per customer Block 2 Block 3 Block 4	Block 2	Block 1 (Cust Chg) per customer Block 2 Demand		Consolidated Billing Charge

NYSEG

SC12\*

SC8

SC7

(l) Gurrent rates
(k) G-RDP-9CU, Schedule 3
(l) Column (k)-Column (l)
(m) Total April 2018 4 of bills
(n) Column (l) X Column (m)
(o) Total PY 2019 4 of bills
(p) Column (m) Column (m)
(q) Column (m)
(q) Column (q) Appendix 3, Schedule 4.5
Appendix 3, Schedule 4.5
Column (b) - Column (a)
Total April 2018 them sales or customers
Column (d) x Column (c)
Total P 2019 thems sales or customers
Column (e) Column (g)
Column (b) + Column (g)
Column (b) + Column (h) 

\* SC12 shown above is for a customer with a DG unit rated at less than 5 MW with annual consumption less than 250,000 thems. A similar calculation would be done for all other SC12 customers experiencing a rate change

<sup>(1)</sup> The revenue variance associated with the delay for the credit and collections, supply procurement and storage components of the MFC will flow through their annual reconciliations.

(2) The revenue variance associated with the delay in the bad debt rate will flow through the credit and collections annual reconciliation.

(3) The revenue variance associated with the delay in the Working capital rate will flow through the annual mutual MCS reconciliation.

(4) The revenue variance associated with the delay in the LAUF percentage will flow through the annual MCS reconciliations.

(5) The revenue variance associated with the POR will be reconciled through a manual adjustment to the ESCo billing system

### Niagara Mohawk Power Corporation d/b/a National Grid Information Services and GBE Service Company Capital Investment Plan For the Rate Years Ending March 31, 2019, March 31, 2020 and March 31, 2021

				RY1	RY2	RY3
Line	Program	Bal	ance at 3/31/2018	Additions	Additions	Additions
1	Cyber Security	\$	18,542,907	\$ 24,919,065	\$ 12,570,378	\$ 10,446,875
2	FY18 Plan	\$	131,673,810	\$ 20,084,319	\$ 10,244,223	\$ 1,837,989
3	Growth Play Book	\$	1,956,386	\$ 8,206,270	\$ 7,835,344	\$ -
4	NY REV / Grid Mod	\$	8,526,273	\$ 5,990,748	\$ 17,960,894	\$ 44,088,570
5	Other Mandates	\$	5,590,114	\$ 1,438,333	\$ -	\$ -
6	Physical Security	\$	4,159,184	\$ 1,100,000	\$ 1,117,000	\$ 1,150,000
7	PSC Mandate	\$	15,778,137	\$ 1,144,727	\$ -	\$ -
- 8	Tech. Modernization	\$	17,198,828	\$ 27,116,538	\$ 40,272,161	\$ 38,476,566
		\$	203,425,639	\$ 90,000,000	\$ 90,000,000	\$ 96,000,000

\*56M CAPEX investment for DSCADA in RY3, incremental to \$90M (capex would not go into service until after the term of the rate plan – no revenue requirement impact).

				RY1	RY2	RY3
Line	Program	Balan	ce at 3/31/2018	Additions	Additions	Additions
1	GBE- Asset Management	\$	6,635,456	\$ 10,277,160	\$ 12,159,233	\$ 14,417,840
2	GBE- Business Enablement	\$	725,706	\$ 1,544,524	\$ 501,132	\$ 557,783
3	GBE- Customer Engagement	\$	-	\$ 25,026,756	\$ 15,151,548	\$ 3,721,487
4	GBE- Data Management	\$	10,043,001	\$ 1,979,883	\$ 145,481	\$ -
5	GBE- Information Services Enabling	\$	15,936,847	\$ 13,112,118	\$ 8,364,413	\$ 6,026,660
6	GBE- Portfolio Office	\$	3,243,776	\$ 5,498,203	\$ 4,611,598	\$ 1,763,106
7	GBE- Regulatory and Compliance	\$	750,000	\$ 1,275,000	\$ 693,750	\$ -
8	GBE- Supply Chain	\$	-	\$ 508,541	\$ 217,614	\$ -
9	GBE- Work Management	\$	15,388,749	\$ 33,082,909	\$ 26,321,259	\$ 18,745,414
			52,723,536	92,305,092	68,166,028	45,232,289

Niagara Mohawk Power Corporation d/b/a National Grid Information Services Service Company Capital Investment Plan For the Rate Years Ending March 31, 2019, March 31, 2020 and March 31, 2021

Case 17-E-0238 & 17-G-0239
Appendix 1
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December	Investment Name	Bolonce	Bolonce of 2/21 /2018	RY1	RY2	RY3
Cyber Security	In country trains		1 460 000 \$	١.	- Succession -	- Common of
Cyca Scandy	District of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the	÷ 6				
	Kisk Based Authentication - 2FA token afternative	•		735,080	-	-
	INVP 3614D1 Ent Network Security	\$	9,674,142 \$	-	\$	- \$
	Threat Behavior Modeling	<del>\$</del>	-	800,000		- \$
	Identity & Access Management :Role Base Access Management (RBAC)	÷	\$	1,650,000		
	Enhanced DLP Gateway and Endpoint	÷	\$	2,238,480		- \$
	INVP 3614B7 CNI Network Security	ş	4,829,586 \$	'	-	- \$
	INVP 3614E4 US CNI Security I&E	÷	1,340,144 \$	'	-	- \$
	US CNI Intrusion Detection/Prevention Phase 1	\$	\$0,409 \$	469,591	- \$	- \$
	Identity & Access Management: Fine Grain Access Management	÷	241,228 \$	1,408,772	-	- \$
	vStig Scaling Upgrades	\$	146,199 \$	853,801	\$	- \$
	IT/OT Discovery and Implementation Phase 1	\$	482,456 \$	4,741,561	\$ 275,983	- \$
	Security Research Lab	\$	47,515 \$		_	- \$
	US CNI Security Enhancements Phase 1	\$	241,228 \$	1,270,780	\$ 137,992	- \$
	Identity & Access Management: Privileged Access Management	\$	\$ -	1,740,000	\$	- \$
	Domain Based Security Phase 1	\$	\$ -	800,000	-	- \$
	Security Incident Event Management Phase 4	÷	\$	1,120,783	\$ 145,517	
	Big Data Security Analytics Phase 1	÷	\$			- \$
	US CNI Intrusion Detection/Prevention Phase 2	÷	\$ -	269,465	\$ 530,535	- \$
	Identity & Access Management: Shared Area Access Management	\$	-	586,086	\$ 1,153,914	- 8
	Security Incident Event Management Phase 5	s	\$	246,948	\$ 286,669	\$ 199,534
	Domain Based Security Phase 2	\$	\$ -			\$ 1,687,806
	Security Incident Event Management (SIEM) 6	÷	\$		\$ 277,723	\$ 166,362
	Big Data Security Analytics - Phase 2	\$	-		\$ 2,188,347	\$ 2,464,628
	IT/OT Discovery and Implementation: Phase 2	÷	\$	,	\$ 2,651,651	3,469,885
	US CNI Security Enhancements - Phase 2	÷	\$	'	\$ 1,500,077	\$ 1,962,963
	Data Visualization	\$	-	-	378,807	\$ 495,698
Sub Total Cyber Security		s	18,542,907 \$	24,919,065	\$ 12,570,378	\$ 10,446,875
FY18 Plan	INVP 4045 Double Pole Mgmt DB	÷	432,455 \$	-	\$	- \$
	INVP 4373 Contingent Labor Admin Replacement	\$	259,667 \$	-	- \$	- \$
	INVP 3955 EJ Ward Upgrade	\$		-	\$	- \$
	INVP 4188 Aging System Stabilize	\$	854,204 \$	-	\$	- \$
	INVP 4280 US VSTIG Bandwidth Ph2	\$	2,256,401 \$	-	\$	- \$
	INVP 4307 US Win 7 Refresh Ph 3	\$	13,464,281 \$	-	\$	- \$
	INVP 4364 Wireless Network	\$	2,303,959 \$	-	\$	- \$
	S005242 M112 Systemic Improvement	\$	8,275,650 \$	-	- \$	- \$
	INVP 4289 US Network Improvement	\$	1,336,479 \$	-	- \$	- \$
	HANA License Costs	\$	3,826,068 \$	-	- \$	- \$
	Microsoft ELA Renewal	\$	3,207,476 \$	-	- \$	- \$
	Mobile Device Refresh - FY 17	\$		-	\$	- \$
	Zscaler	\$	1,100,000 \$	1,000,000	- \$	- 8
	INVP 2577C ArcFM Software Upgrade	\$	\$ -	-	-	-

		_		1271	077.0	2.60
Programs	Investment Name	Balance	Balance at 3/31/2018	KYI Additions	K 12 Additions	K r 3 Additions
	INVP 4631 Box Enablement		254,000 \$	<del>\$</del>	-	
	INVP 4170 Time Transformation	\$		-	-	
	INVP 4420 US CNI OMSFocalPoint Infrastructure Upgrade	÷	705,521 \$	-	-	,
	INVP 4274 VSTIG Hardware Refresh	\$	\$ 000,809	\$ -	\$ -	-
	US Video Conferencing upgrade for RW	\$	1,702,730 \$	\$ -	- \$	-
	Hix D/C Improvement Server Refresh	\$	1,000,000 \$	- \$	- \$	-
	INVP 4464 Data Visualization	\$	7,067,413 \$	-	-	1
	Mobility - (MDM) Mobile Device	÷	1,162,000 \$	-	·	,
	Changes to ACIS for PMCC Civil Vendor Billing	<del>\$</del>	382,000 \$	-	-	
	INVP 4461 Unix51 Interface Migration	S	1,386,701 \$	٠	٠	,
	INVP 4287 Active Directory Upgrade	<del>\$</del>	804,825 \$	-	· ·	1
	US Control-Gas System Operating Procedure (SOP) Upgrade	\$	79,240 \$	417,432 \$	45,328 \$	1
	Enterprise Labs	s	\$ 000,899	-	٠	1
	Cascade Electric Application Upgrade Project	÷	375,000 \$	-	٠ -	,
	INVP 4408 Doc Mgmt Systems Replacement Delivery	\$		-	-	
	WIFI for Fleet Services Diagnostic Laptops	÷	\$38,000 \$	-	٠ -	,
	Gas Service Database - UNY	\$	325,000 \$	-	-	1
	Gas Service Database - DNY (LI and NYC)	\$	-	-	-	
	Substation Monitoring-DobleARMS	\$	-	-	-	
		s		440,537 \$	47,837 \$	1
	Computapole Enhancements to Support Inspection Types	\$			37,634 \$	
	co	\$	180,117 \$	948,849 \$	103,034 \$	
	Ageing System Stabilization/Upgrades - FY18	\$		1,155,255 \$	125,447 \$	
	INVP 3486 US MDS-Itron Enterprise Edition (IEE)	\$	758,544 \$	-	•	
	INVP 4390 Plastic Fusion II	\$	\$000,000	-	-	
	INVP 4397 Ariba TLS and CI Update	\$		-	-	
	US Mobile Device Refresh	\$	4,500,000 \$	-	-	-
	US SAP: Infrastructure Landscape	\$	4,142,700 \$	-	-	
	US CNI Tech Services-Network Equipment Lifecycle Replacements	ۥ		·	·	1
	US CNI-EMS Lifecycle Hardware and Software Upgrade	÷	1		× ·	
	Network Transformation Completion - CEMS	<b>≫</b> ↔		167,542 \$	20,908 \$	
	Application monitoring, Network/IDS, Operations monitoring	<b>≫</b> €		-		
	Aged Printer retresh	<b>∞</b> €	45,000 \$	· ·	· ·	
	KSA JOKEN FEITEN	A 6	556,718 \$	·		
	Acquisition of Kemote Sensing Data - Mass	A 6		-	-	
	INV P4449 - EFA FIIE Tf	A 6			, ,	
	Informatica Opgrade/Microstrategy Replacement Program Call Cantar Customer Contact Cantar/SDC Tachnology Unorde Implement Solution	<del>6</del> <del>9</del>	13 202 340 &	1,131,472 \$	9	
	US MDS-Energy Accounting System (EAS) migration to Wholesale Settlement Application (WSA)	÷		6	1.289.201	
	INVP 4398 Storms/ISched Upgrade	· \$	7,683,338 \$			1
	General Ledger Interface CRIS SAP	÷	<del>\$</del>		·	1
	STORMS Capital Cost Estimates	\$	\$ -	235,243 \$	463,157 \$	
	CRIS Data Archival	\$	\$ -	\$ -	\$ -	
	US CNI Tech Services-Network Equipment Lifecycle Replacements	\$		\$ -	- \$	-
	Inventory Management Handheld Devices	\$	129,283 \$	\$ -	\$	1
	Customer Bill Redesign	\$			-	
	INVP 3737 US CNI GMS SCADA Upgrade &	<del>\$</del>	16,808,477 \$	1,500,000 \$	5,028,785 \$	
	Cisco Prime	<b>≈</b>			_	120,654
M OFFICE OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE	Contractor Management Modernization	ۥ				1,717,334
Sub I otal FY 18 Plan		<b>∞</b> €	151,6/3,810 \$		1 226 223 \$	1,837,989
Growin Play Book	Customer Experience Transformation-Communication Preference Management	A 6	- 6	013,002 \$	1,320,338 \$	
	CUSTOTHET EXPERIENCE TFAIRSTOTHBUOTE-MYACCOUNT FORTAL	÷	-	2,003,002 \$	5,050,950 \$	

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				1734	0.250	22.0
Programs	Investment Name	Balance at 3/31/2018		K i 1 Additions	K i 2 Additions	K I 3 Additions
000	Governance Risk & Compliance (GRC) Optimization/Upgrade	\$ 922.	\$ 83	972 \$	-	,
	US SAP: Business Planning	1,			-	
	US SAP: FERC on Hana (FOH)					-
Sub Total Growth Play Book		1	,956,386 \$			
NY REV/Grid Mod				1,190,159 \$	2,239,474 \$	1
	Load and DER Forecasting (Acquisition of Remote Sensing Data - NY)	\$ 8,526,27	3			
	Plant Information Historian	<b>⇔</b> €	<b>∽</b> •			5,827,818
	DG IOAP Phase II (Tactical)	<b>-&gt;</b> ↔				1 00
	E-Commerce Marketplace	<b>-</b> →		532,244 \$		449,335
	AMI - relecons	A 6			491,4/3 \$	803,949
	AMI - CSS Enhancements	<b>∽</b> •		1.		- 000
	Creen Button Connect	<b>∻</b>		1,035,000 \$	1,163,984 \$	8/3,7/5
	DSF - DG IOAP	<b>-&gt;</b> ↔		·	-	
	AMI - Telecoms	<b>∽</b> •		١,		- 0.0
	Outdoor Lighting Inventory Portal	<b>&gt;</b> >		370,514 \$		312,798
	DRMS for C&I Demand Response (Renewal)	<b>∞</b> +			2,000,000 \$	5,639,675
	Grid MOD - ABB/ADMS & D-SCADA	<b>&gt;</b> >	·			6,000,000
	AMI - Telecoms	\$	<del>\$</del>	-	743,347 \$	972,726
	AMI - Enterprise Service Bus & API Integration	~	\$	-	-	2,740,467
	AMI - Enterprise Service Bus & API Integration	\$	\$	-	-	6,099,748
	AMI - Info Mgt & Advanced Analytics	\$	\$	-	-	
	AMI - Info Mgt & Advanced Analytics	\$	\$	-	-	
	IS-Cloud Computing & Data Lake	s	<del>\$</del>	·	-	
	IS-Cloud Computing & Data Lake	S	<b>∻</b>	٠	1,300,000 \$	2,759,823
	Cyber Security	\$	\$ -	-		4,498,947
	Cyber Security	\$	\$		3,000,000 \$	7,107,510
	Residential Solar Marketplace					
Sub Total REV/Grid Mod				5,990,748 \$	17,960,894 \$	44,088,570
Other Mandates	INVP 3882 NYS Pipeline Safety CMS			-	-	
	INVP 3851 Consolidated Voice Recorder for US Electric Control Rooms			-	-	-
	Annual HR & Payroll Mandatory Service Pack Upgrade (HRSP) - FY18	\$ 1,126,000		-	-	
	Regulatory Mandates - FY18				-	
	US Control-Gas Electronic Bulletin Board (EBB) Upgrade	\$ 1,561,667		1,438,333 \$	-	
	Regulatory Mandates - FY19	~	\$	-	-	
	Regulatory Mandates - FY20	\$	<del>\$</del>		-	
E E	Regulatory Mandates - FY21					
Sub 1 otal Other Mandates	Distriction Committee Dan Jaconson	5 5,390,114	104 &	1,438,333 \$	-	
i nysicai Scominy	Tuysicai Security Replacements - 1117 Physical Security Replacements - FY17			÷		
	Physical Security Replacements - FV17	÷ •	÷ <del>5</del>			
	Physical Security Replacements - FY18		\$ 0000056	- 8		
	All NIMO Physical Security Replacements - FY18		490,000 \$	-	-	
	Physical Security Replacements - FY18	\$	\$ -	\$ -	- \$	-
	Physical Security Replacements - FY18	\$	\$ -	\$ -	\$ -	-
	Physical Security Replacements - FY19	\$	\$ -	825,000 \$	\$ -	-
	All NIMO Physical Security Replacements - FY19	\$	\$ -	275,000 \$	\$ -	
	Physical Security Replacements - FY19	\$	\$	-	-	•
	Physical Security Replacements - FY19	\$	·	-		
	Physical Security Replacements - FY20	\$	\$	-	835,000 \$	
	All NIMO Physical Security Replacements - FY20	<b>S</b> €	<b>∽</b>	· •		
	Physical Security Replacements - FY20	<b>∽</b> •				
	Physical Security Replacements - FY20  Dhaning Sometime Barbanesers EV21	<b>∞</b> •	<b>∞</b> •	1	1	- 000 098
	Physical Security Replacements - F121	e	-	-	-	800,000

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Programs	Investment Name	Balance	Balance at 3/31/2018	RY1 Additions	RY2 Additions	RY3 Additions
	All NIMO Physical Security Replacements - FY21	÷	\$		\$ -	
	Physical Security Replacements - FY21	\$	\$ -	1	\$ - \$	
	Physical Security Replacements - FY21	\$				
Sub Total Physical Security		<del>\$</del>	4,159,184 \$	1,100,000	1,117,000	1,150,000
PSC Mandate	INVP 4451 Gas Transportation System Phase II	<b>∻</b>	·			
	INVP 4347 NYC Leave on for Landlord Program	÷••		'		
	INVP 4124 Auto Remote Net Meter	\$	3,584,165 \$	-	\$ -	
	INVP 3839A NY Retail Access Ph2	\$	5,356,231 \$	-	\$ - \$	-
	INVP 4411AB Distributed Generation Portal	\$		-	-	-
	INVP 4383 NY Community Choice Aggregation	\$	551,447 \$	-	\$ - \$	-
	INVP 4448 Low Income Order CRIS	\$	\$ -	-	\$ - \$	-
	INVP 4448 Low Income Order CSS	\$	2,489,410 \$	-	\$ - \$	-
	INVP 4411C New Electric Connections	\$	444,010 \$	253,990	\$ - \$	-
	INVP 4411D New Gas Connections	\$	5,263 \$	890,737	\$ - \$	
Sub Total PSC Mandate		\$	15,778,137 \$	1,144,727	\$ - \$	
Tech. Modernization	CPE Buyback	\$	5,135,450 \$	-	\$ - \$	
	Active Directory Improvements	\$	275,000 \$	-	\$ - \$	-
	Application Performance Management (APM)	S	54,825 \$	288,814	\$ 31,362 \$	
	RAS/VPN Re-Platform/Mobile	\$	\$ 000,009	-	-	-
	US Network Programme	\$	2,237,779 \$	787,221	\$ - \$	
	US VSTIG Programme	\$	2,700,000 \$	-	\$ - \$	-
	US Wireless Programme	\$	1,950,000 \$	-	\$ - \$	-
	Monitoring and Alerting	\$	\$ 68,789	346,576	\$ 37,634 \$	-
	RSA Re-platform	\$	40,936 \$	215,648	\$ 23,417 \$	-
	Cloud Broker - Hybrid Enablement	\$	250,000 \$	-	\$ - \$	
	Office 2010 Upgrade	\$			\$ 66,905 \$	-
	Citrix Infrstructure Upgrade (Xenapp and NetScaler)	\$	318,058 \$	181,942	\$ - \$	-
	Business Innovation Projects 1	\$	492,487 \$	2,594,404	\$ 281,721 \$	
	Data Security	\$	\$ -		\$ 1,026,924 \$	-
	Orchestration and Self Service	\$			\$ 497,377 \$	-
	Virtual Desktop - DaaS	\$	349,864 \$	200,136	\$ - \$	-
	SCI connections	\$	63,612 \$	36,388		
	US SAP: Dynamic Storage Tiering	\$		456,406	\$ 513,284 \$	385,310
	ICE Replacement	\$	2,548,068 \$	767,932	\$ - \$	
	US Network Programme	s	-		\$ 2,075,000 \$	
	US VSTIG Programme	s	-		\$ 643,973 \$	1,
	US Wireless Programme	S	-			
	Data Visualisation Expansion	\$	- \$			
	US SAP: Business Warehouse (BW) Consolidation to HANA Enterprise Cloud (HEC)	\$	\$ -	796,942	\$ 896,258 \$	672,800
	Monitoring and Alerting	S	-	,		621,193
	MWORK and Netmotion Risk Avoidance	\$	\$ -	168,415	\$ 189,404 \$	142,181
	Improving End User Experience- Cloud based DMZ Service Platform	\$	- \$	300,000	\$ - \$	-
	Mobile Broadband POC	\$	- \$		\$ - \$	
	FY19 Edge Projects	S	-			
	FY19 Network Projects	s	-	336,831	\$ 378,807 \$	284,362
	Digital Asset Management (DAM)	\$	-		189,404	142,181
	Business Innovation Projects 1	\$	-		2,634,928	
	Business Innovation Projects 2	<b>∞</b>				
	Business Innovation Projects 3	↔	-	1,134,653	\$ 2,233,960 \$	•

				RY1		RY2	RY3	.3
Programs	Investment Name	Balance	Balance at 3/31/2018	Additions	7	Additions	Additions	ions
	US Video Conference Programme	÷	\$ -	1,000,000	\$ (	\$ 000,059		
	US SAP: Enhancement Pack 9 Upgrade	÷	-	1,600,798	\$	3,341,460 \$	3,8	3,878,743
	US Network Programme	\$	\$ -	530,509	\$ 6	\$96,622	7	447,870
	US VSTIG Programme	\$	\$ -		\$	265,165	7	434,835
	US Wireless Programme	\$	\$	•	\$	568,211 \$	)	931,789
	Monitoring and Alerting	\$	\$	1	\$	378,807 \$		621,193
	Service Now - Release 3	\$	\$	•	\$	1,235,433 \$	2,	2,164,567
	IS Tools	\$	\$ -	173,770 \$	\$ (	151,523 \$		74,707
	FY20 Edge Projects	\$	\$ -	665,020	\$ (	757,615 \$	,	577,366
	FY20 Network Projects	\$	\$	\$ 686,966	\$ 6	1,518,240 \$		1,484,771
	EMM Licenses	\$	\$	444,617	\$ 2	\$00,026	.,	375,358
	Business Innovation Projects 2	\$	\$	\$ 000,008	\$ (	1,505,091	1,0	1,668,145
	Business Innovation Projects 3	\$	\$ -	800,000	\$ (	1,507,364 \$		1,671,872
	Data Security	÷	\$	530,509	\$ 6	\$96,622	7	447,870
	Hardware and Software Upgrades	\$	\$	•	\$	2,296,454 \$		5,203,546
	Data Centre Consolidation efforts	\$	\$ -	200,000	\$ (	1,000,000	2,0	2,000,000
	FY20 Data Centre Projects	\$	\$	•	\$	1,400,000 \$		2,600,000
	Enterprise Data Management Platform	\$	\$ -	-	\$	\$ 000,008	2,5	2,554,794
	Business Innovation Projects 2	\$	\$ -	-	\$	\$ 000,000		2,945,722
	Business Innovation Projects 3	\$	\$ -	1	\$	\$ 000,008		2,945,722
Sub Total Tech Modernization		\$	17,198,828 \$	27,116,538	\$	40,272,161 \$	38,	38,476,566
Grand Total CAPEX Investment		\$	203.425.639	000.000.06	\$	90.000.000	96	000.000.96

Niagara Mohawk Power Corporation dVs a National Grid GBE Service Company Capital Investment Plan For the Rate Years Ending March 31, 2019, March 31, 2021

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Programs	Investment Name	Balance at 3/31/2018	/2018	RY1 Additions	RY2 Additions	RY3 Additions
GBE- Asset Management	Risk Management (Tx Mains & Dx Mains)	\$ 1.5	.899.720 \$	-	\$	
0	AM Program Leadership-1		١.	- 65		,
	Enhancements	\$	2.059.930 \$	334.858 \$	-	
	Additional IM Modules	· •	\$	543,810 \$	104,161	
	AM Program Leadership-2	· <del>59</del>	-	358,808 \$	\$	
	Data Remediation, GIS Upgrade/Migration & GIS Mobility		2,426,395 \$	5,142,170 \$	2,684,574 \$	
		\$	\$	881,466 \$	738,793 \$	
	Integrity Management Integrations	<del>\$</del>	\$	334,682 \$	662,525 \$	
	AM Program Leadership-3	÷	-		377,711 \$	
	Design (GWD), Estimating (CU), & Mobility	S	-	1,556,366 \$	4,551,527 \$	3,041,182
	Asset Analytics Integration	\$	\$ -	\$ -	\$ -	1,675,992
	GIS (GWD/CU) - PPM Integration	\$	\$ -	\$ -	\$ -	802,606
	GIS-EAM Integration	\$	\$	1,125,000 \$	3,039,942 \$	3,118,216
	AM Program Leadership-4	\$	\$	\$ -	\$ -	98,733
	Use Case No.1 - Asset Risk	S	-	-	-	3,411,480
	Complex Design (CAD) & Estimating (ESW)		\$ -	\$ -	\$ -	2,269,632
Sub Total Asset Management		\$ 8	6,635,456 \$	10,277,160 \$	12,159,233 \$	14,417,840
GBE- Business Enablement	Program Learning Management-1	S	\$ 792,501	·	-	
	Program Transformational Change Office-1	\$	620,139 \$	\$ -	\$ -	
	Program Business Sustainment-1	S	-	62,655 \$	-	
	Program Learning Management-2	÷	÷	\$ 117,190 \$	\$	
	Program Transformational Change Office -2	S	-	1,364,679 \$	-	
	Program Learning Management-3	<del>\$</del>	\$	\$	160,081 \$	
	Program Transformational Change Office-3	\$	\$	\$	341,051 \$	•
	Program Business Sustainment-2	\$	\$	\$ -	\$ -	210,682
	Program Learning Management-4	\$	\$	\$ -	\$ -	185,935
	Program Transformational Change Office-4	\$	\$	\$ -	\$ -	161,166
Sub Total Business Enablement		<del>↔</del>	725,706 \$	1,544,524 \$	501,132 \$	557,783
GBE- Customer Engagement	Customer Experience Program Leadership-1	S	-	234,206 \$	-	
	CxT Portal & Channel Management	\$	\$ -	6,011,719 \$	4,805,664 \$	-
	Customer Interaction - First Release	\$	\$ -	1,602,424 \$	2,789,869	-
	Employee Support Interaction - First Release	<del>\$</del>	- \$	3,484,256 \$	3,776,530 \$	-
	Customer Experience Program Leadership-2	<del>\$</del>	- \$	- \$	246,306 \$	-
	CRM / Contact Center	\$	- \$	13,680,000 \$	3,515,000 \$	-
	Large Commercial & Landlord Interaction	<del>\$</del>	- \$	14,150 \$	18,179 \$	1,340,576
	Employee Support Interaction - Second Release	\$	\$ -	\$ -	\$ -	278,152
	Customer Interaction - Second Release	\$	\$	\$ -	\$ -	1,909,741
	Customer Experience Program Leadership-3	\$	\$	\$	\$ -	193,018
Sub Total Customer Engagement		÷	÷	25,026,756 \$	15,151,548 \$	3,721,487
GBE- Data Management	Data Management Implementation (Quality & Cleansing)	5'6 \$	\$ 000,066,6	\$	\$ -	
	Data Management & Governance Program Leadership-1	\$	53,001 \$	\$ -	\$ -	-
	Enable the Data Archive Process	\$	\$ -	1,900,724 \$	62,497 \$	-
	Data Management & Governance Program Leadership-2	<del>\$</del>	- \$	79,159 \$	\$ -	-
	Data Management & Governance Program Leadership-3	\$		- \$	82,985 \$	-
Sub Total Data Management		\$ 10,0	10,043,001 \$	1,979,883 \$	145,481 \$	-

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			RY1	RY2	RY3
Programs	Investment Name	Balance at 3/31/2018	Additions	Additions	Additions
GBE- Information Services Enabling	Powerplan Remediation	\$ 5,472,100	\$ - \$	\$ -	-
	Comprehensive Integration Services (Enhancements)	\$ 70,762	\$ - \$	\$ -	-
	Application (Environment) Infrastructure	\$ 1,956,969	\$ - \$	- \$	1
	Development Operations & BPA Enablement-1	\$ 2,613,528	\$ - \$	- \$	-
	SAP and Application Integration Development- Release 1-1	4	\$ - \$	\$ -	
	Mobility CoE & End-User Computing-1			· ·	
	Operations/System Monitoring	\$ 500,000	\$ 451,992 \$		1
	Development Operations & BPA Enablement-2	- \$	\$ 2,305,810 \$	- \$	-
	SAP and Application Integration Development- Release 1-2	- \$	\$ 4,093,351 \$	\$ -	-
	SAP and Application Integration Development- Release 2-1	- \$	\$ 4,550,140 \$	\$ -	-
	Mobility CoE & End-User Computing-2	- \$	\$ 828,483 \$	\$ -	-
	Development Operations & BPA Enablement-3	•		2,001,833 \$	
	SAP and Application Integration Development- Release 1-3	\$	\$ -	\$ 000,555	
	SAP and Application Integration Development- Release 2-2		\$ - \$	4,067,285 \$	
	SAP and Application Integration Development- Release 3-1	· · ·	\$ -	79,471 \$	1
	Mobility CoE & End-User Computing-3		\$ -	954,455 \$	
	Test Automation Implementation	\$ 490,509	\$ 882,343 \$	706,369 \$	273,617
	Development Operations & BPA Enablement-4	- \$	\$ - \$	- \$	2,067,614
	SAP and Application Integration Development- Release 1-4	\$	\$ - \$	\$ -	570,000
	SAP and Application Integration Development- Release 3-2	- \$	\$ - \$	- \$	2,210,275
	Mobility CoE & End-User Computing-4			-	905,153
Sub Total Information Services Enabling		\$ 15,936,847	\$ 13,112,118 \$	8,364,413 \$	6,026,660
GBE- Portfolio Office	Portfolio Management Leadership-1	\$ 1,481,327	\$ - \$	\$ -	
	Solution Architects & Agile Coaches-1	\$ 1,762,449	\$ - \$	\$ -	-
	Portfolio Management Leadership-2	\$	\$ 1,930,034 \$	-	-
	Solution Architects & Agile Coaches-2	- \$	\$ 3,568,169 \$	\$ -	1
	Portfolio Management Leadership-3	\$	\$ - \$	1,999,129 \$	-
	Solution Architects & Agile Coaches-3	- \$	\$ - \$	2,612,469 \$	1
	Portfolio Management Leadership-4				1,763,106
Sub Total Portfolio Office		3,		4,611,598 \$	1,763,106
GBE- Regulatory and Compliance	Regulatory/ Compliance	\$ 750,000	\$ 1,275,000 \$	693,750 \$	
Sub Total Regulatory and Compliance		\$ 750,000	1,	693,750 \$	
GBE- Supply Chain	Supply Chain Program Leadership	- \$	\$ 508,541 \$	- \$	1
	Supply Chain Program Leadership	- \$	\$ - \$	217,614 \$	1
Sub Total Supply Chain			\$ 508,541 \$	217,614 \$	
GBE- Work Management	Business Architecture Design	2,	\$ -	-	
	WIMFE Program Leadership-1				
	Corrosion and I&R Work	\$ 7,001,291	15,209,135	1,666,296 \$	
	CU Governance & Library - process		1,492,595		
	WMFE Program Leadership-2				
	Company Driven Work: Collections and non-Appointment Offis - Gas		1,359,354		
	Company Driven Work: Collections and non-Appointment Ons- Electric		7 995 615		,
	Customer I ask Investigation & Inspections - Gas	\$ 1,191,134	\$ 7,000,013 \$ \$ 4.006,013 \$	5,516,420 \$	
	WATER December 1 addressing 2				
	WIMFE Program Leadership-3				220 000
	PowerPlan Integration & Enhancements				9/9,855
	Construction Work & Leak Repair		1,649,290	6,630,034 \$	10,182,467
	WMFE Program Leadership-4	· ·	× •	<b>∞</b> •	147,309
	Wolk Forceasting & Frankling - Solution Core Projects & Program Management		.   .	•	2 977 358
	WMFF Ontimization	<del>9</del>		320.816 \$	2,835,345
Sub Total Work Management		\$ 15.388.749	33.082.909		18.745.414
Grand Total CAPEX Investment			92 305 092		45 232 289
Oldin total Cru Lex Involuent		÷ ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	770,000,77	÷ 0~00,001,00	10,407,407

## APPENDIX 2

Case 17-E-0238 Appendix 2 Schedule 1.1

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID Electric Revenue Forecast Rate Year Ending March 31, 2019

	7	7	n	t	n	o	,	×	9 (9+2+3+3)	10	(4+0+10)
					:				(8+/+9+¢)		(4+8+10)
Service Classification	Bills	kWh	kW	Base Delivery L Revenue	Legacy Iransition Charge	New Hedge Adjustment	NYPA Hydro Reconciliation Credit	Commodity Revenue	1 otal Commodity Revenues	Gross Kevenue Taxes	Revenue
SC1 Residential and Farm Service	17,779,729	11,042,711,403		\$827,667,610	\$20,739,121	\$21,489,491	(\$11,942,477)	\$375,439,353	\$ 405,725,488	\$22,936,945	\$ 1,256,330,043
SC1C Residential and Farm Service - Time of Use	61,060	284,120,235		\$10,753,176	\$543,079	·	(\$308,985)	\$6,195,614	\$ 6,429,708	\$332,981	\$ 17,515,865
SC2ND Small General Service	1,369,286	614,715,129		\$63,796,565	\$1,172,048	\$963,555		\$17,516,042	\$ 19,651,645	\$885,270	\$ 84,333,481
SC2D Small General Service - Demand	592,649	4,226,535,423	14,358,237.3	\$178,585,000	\$8,056,093	· ·	·	\$70,029,461	\$ 78,085,554	\$2,921,841	\$ 259,592,394
SC3 Large General	56,114	6,597,307,786	16,634,878.1	\$166,710,538	\$13,216,878	s	· .	\$42,573,090	\$ 55,789,968	\$2,824,700	
SC3A Large General - Time of Use	2,915	5,480,401,404	11,593,457.1	\$56,605,584	\$13,036,132	.	· ·	\$44,852,304	\$ 57,888,436	\$1,808,241	\$ 116,302,26
Subtotal	19,861,753	28,245,791,379	42,586,572.5	\$ 1,304,118,473 \$	\$ 56,763,350	\$ 22,453,047	\$ (12,251,462)	\$ 556,605,864	\$ 623,570,799	\$ 31,709,978	\$ 1,959,399,250
Preservation Dower (DD)	,	399 866 0	18 764 2	892 193	9	9		9	9	08	891 179
Replacement & Expansion (R&E)		3.226.602.998	5.472.217.2		· ·	9 69	· ·	9 69	9 649	08 8	\$ 04,758 \$ 18.510.223
Fitzpower Patrick		106.003.560	155.525.6			٠				· ·	
St. Lawrence Power	•	5,250,130	10,800.8			1				·	
Recharge New York (RNY)		1,555,445,598	3,053,313.2	\$14,245,983	- 8	-		80	- 8	- \$	\$ 14,245,983
Subtotal	•	4,902,530,951	8,710,621	\$ 33,292,586	- \$		- S	S	- s	- 8	\$ 33,292,586
Total PSC 220	19,861,753	33,148,322,330	51,297,193.4	\$ 1,337,411,060	\$ 56,763,350	\$ 22,453,047	\$ (12,251,462)	(12,251,462) \$ 556,605,864	\$ 623,570,799	\$ 31,709,978	\$ 1,992,691,836
Street Lighting - Total PSC No. 214	133,564	180,528,874	ı	\$53,419,061	\$348,939			\$2,199,248	\$ 2,548,188	\$579,220	\$ 56,546,469
Revenue Decoupling Mechanism	•	•	•	s - s	- 8	S -	·	- 8	- S	· · · · · · · · · · · · · · · · · · ·	S
Other Retail Revenues											
SBC	i	•	•	213,172,751	S	9		s	s	S	\$ 213,172,751
Queensbury Underground Revenue		•		317,273	· ·	•	-		- 8	·	
EZR Discounts	•	•	•		·	•			S	·	\$ (2,000,000)
EJP Discounts				(370,000)		•		s	S	· ·	_
SC11/12 Discounts		•				•				·	\$ 176,667
MFC				19,301,512						·	19,
SC / Discount DI M Surchards	•			\$ (115,/62)			A **		·	·	(115,/9)
Transformer Credit				_	9 609			9 64	9 649	· ·	
Special L Revenues	•	•	•		·	•		·		s	1
Consolidated Billing Credits		•	1	(3,699,073)	· S	•	. ·	- 8		·	\$ (3,699,073)
Total Other Revenues	•		1	\$ 230,006,409 \$			S	s	S	S	\$ 230,006,409
Retail Revenues	19,995,318	33,328,851,205	51,297,193.4	\$ 1,620,836,530	\$ 57,112,290	\$ 22,453,047	\$ (12,251,462)	\$ 558,805,112	\$ 626,118,986	\$ 32,289,198	\$ 2,279,244,715
Miscellaneous Revenues						,		•	4	4	
Wholesale Transmission				185,695,556		· ·		·	·	·	_
Late Payment Charges				12,970,874					•	· ·	S 12,970,874
Kent from Electric Property				7 200 275	, ,	,	•	· •	·	•	5 17,047,034 s 2,00,275
CSS Billing Fees					9 6		· ·	· ·	· ·	9 6	
Open Access Revenues	٠	•	٠	333.002		,	1				
Other Misc Electric Revenue	•					,			· ·	· ·	25
Removal of ETIP				(51,457,895)				. ~		· s	_
Other Electric Revenue Subtotal				\$ 247,126,454 \$	s	s -		·	s	- s	\$ 195,668,559
Total Revenues Rate Year Ended March 31 2019	10 005 318	33 378 851 205	51 207 103 4	8 1 867 962 984	\$ 57117.290	\$ 22 453 047	(12.251.462)	\$ 558 805 112	8 626 118 986	\$ 32 289 198	\$ 2.474.913.274
I Utal INCVESSINGS away a var estated reason 21, ever	010,020,010	33,326,631,203						# 1,000,000 B			

## NIAGARA MOHAWK POWER CORPORATION dh/a NATIONAL GRID Electric Revenue Forecast Rate Year Ending March 31, 2020

Case 17-E-0238 Appendix 2 Schedule 1.2

(450,000) (69,722) 20,691,000 (97,311) 2,511,511 89,154,379 286,636,798 261,392,194 150,327,169 2,173,930,923 317,273 (1,600,000)(276,921) (3.699.073)13,211,825 18,110,924 2,339,132 2,982,024 339,995 (51,457,895) ,461,689,152 17,420,668 2,173,930,923 211,996,124 1,021,658 230,344,538 185,695,556 26,280,189 884.000 3,659,962,998 57,413,691 198,273,847 (4+9+10)Revenue \$911,280 \$3,115,589 \$3,044,947 \$1,908,692 \$ 34,186,750 80 \$ 34,186,750 \$561,132 34,747,882 \$ 34,747,882 Gross Revenue \$327,419 • 76,188,011 54,334,818 57,165,449 593,116,039 593,116,039 **Fotal Commodity** 590,700,374 2,415,665 5,825,755 18,682,889 590,700,374 (5+6+7+8) ø. \$67,992,657 \$40,766,766 \$43,931,529 \$ \$35,716,875 \$360,348,441 \$5,596,033 \$ 537,793,013 \$ 537,793,013 20 (12,432,738) \$ 535,716,875 \$17,081,450 \$2,076,138 Commodity (12,432,738) (12,432,738) (\$12,130,914) (\$301,824)(12,432,738) Reconciliation Credit NYPA Hydro 9,552,632 9,552,632 9,552,632  $^{8}$ \$413,954 9,552,632 89,138,678 New Hedge ø \$1,187,486 \$8,195,354 \$13,568,052 \$13,233,919 58,203,132 58,203,132 Legacy Transition 57,863,605 \$531,546 57,863,605 \$339,527 S 317,273 (\$1,600,000) (69,722) 20,691,000 \$207,333,199 \$204,012,429 \$91,253,028 \$ 1,549,043,799 (\$97,311) (\$276,921) 13,211,825 18,110,924 339,995 (\$450,000) (51,457,895)\$11,267,494 \$69,560,209 \$2,511,511 1,021,658 (3,699,073) 26,280,189 884.000 (111.904)\$ 2,032,099,077 \$ 1,549,043,799 \$ 1.833.825.231 2,339,132 2,982,024 211,996,124 185,695,556 198,273,847 \$54,436,894 Base Delivery 14,279,331.9 16,691,091.1 11,480,895.2 19,132.3 5,394,779.7 10,800.8 51,082,758.3 51.082,758.3 8,631,440 155,465.7 42,451,318.2 3,051,261.5 Ķ 608,592,702 4,203,308,980 6,620,078,038 9,409,738 3,180,943,259 105,962,743 33,171,700,082 271,976,944 3,426,355,540 28,144,331,518 5,250,130 ,554,400,420 33,000,297,807 4,855,966,290 171,402,275 kWh 57,914 1,374,598 594,297 56,352 19,916,847 131,972 Total Revenues Rate Year Ended March 31, 2020 Lines 3-6: Include Service Classifications 4, 7, and 12 SC1C Residential and Farm Service - Time of Use SC2D Small General Service - Demand SC3 Large General SC3A Large General - Time of Use Street Lighting - Total PSC No. 214 Queensbury Underground Revenue SC1 Residential and Farm Service Other Electric Revenue Subtotal Replacement & Expansion (R&E) Revenue Decoupling Mechanism SC2ND Small General Service Other Miscellaneous Revenues Other Misc Electric Revenue Consolidated Billing Credits Rent from Electric Property Recharge New York (RNY) Wholesale Transmission Open Access Revenues Preservation Power (PP) Increase in Reconnects Miscellaneous Revenues Late Payment Charges Plant Leased to Others Other Retail Revenues Total Other Revenues Service Classification Special L Revenues SC11/12 Discounts Fransformer Credit St. Lawrence Power CSS Billing Fees Removal of ETIP Fitzpower Patrick DLM Surcharge Retail Revenues EZR Discounts Total PSC 220 EJP Discounts SC7 Discount Subtotal Subtotal Line  $\begin{smallmatrix} 8 & 8 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2 & 9 \\ 2$ 

## NIAGARA MOHAWK POWER CORPORATION dib/a NATIONAL GRID Electric Revenue Forecast Rate Year Ending March 31, 2021

Case 17-E-0238 Appendix 2 Schedule 1.3

dity   Gross Revenue   (4+94)   (4+94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-94)   (44-9		_	2	3	4	ç	9	,	×	6	10	=
1882  1982  1982  1983  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984  1984										(5+6+7+8)		(4+9+10)
1880.123   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000   1980.000	Sarring Placeiffootion	Bills	LWh	P.W.		egacy Transition	New Hedge	NYPA Hydro	Commodity	Total Commodity	Gross Revenue	Ромонно
1,937,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,947,946   1,94	ICI VICE CIASSILICATION	C17 000 71	10 065 240 204	W W	081 010 02	1	Aujustinein	CONTROLLINGUE CICALIC		١		
1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,000,200   1,00	Color Desidential and Farm Service Time of He	215,205,712	10,903,346,394		527,617,106	7		s (12,347,410) s (205,042)	S	ç	7 7	5 1,363,791,024
1997/2464   27.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.0000   2.00000   2.00000   2.00000   2.00000   2.00000   2.00000   2.00000   2.00000   2.00000	CIC Nesidential and Famili Service - Time of Use	04,000	400,046,000		10,932,720	•		(273,043)		9 6		
19/10/2012   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/20/2013   19/	CZND Small General Service	1,380,329	598,108,759		/0,236,17/					•		
Second Control 1, 1232-140   Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical Statistical	SC2D Small General Service - Demand	596,123	4,148,620,988	14,093,546.6	208,912,562		-					
19,73,448	SC3 Large General	56,604	6,598,717,561	16,636,091.5	207,245,363	_	·					\$ 263,824,823
19,073,048   21,922,052,779   42,021,152   1   15,01,189   09   23,04,248   23,92,052,793   42,021,052,793   42,021,052,793   42,021,052,793   42,021,052,793   42,021,052,793   42,021,052,793   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,021,056   42,0	SC3A Large General - Time of Use	2,792	5,351,310,013	11,323,514.0	91,623,114		·					\$ 150,917,135
19,566,447   19,4550   5   5   5   5   5   5   5   5   5	Subtotal	19,973,048	27,922,052,379	42,053,152.1	1,570,189,169		- s		s			\$ 2,173,504,884
19,971,046  32,711,246  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,711,040  31,7												
15471041   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   1548143   154	Preservation Power (PP)		9,568,447	19,455.0	s - s		- s	· ·	· ·	·	· ·	· ·
- 1540/170 104/082 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5	Replacement & Expansion (R&E)		3,127,020,565	5,303,328.5	s - s		·		·		· ·	· ·
- 1549/1748	itzpower Patrick	•	105,634,320	154,983.9	•	,			•	·	- ~	•
130,407   162,017,898   3,504,048   5   5   5   5   5   5   5   5   5	t. Lawrence Power		5.250,130	10,800.8			- 8	S	s	s	·	S
130,407   162,275,665   5   5   5   5   5   5   5   5   5	echarge New York (RNY)		1.549,171,898	3,040,998.0			- 8	S	s	s	·	- 8
19973-048 32718-697739   5.55418-3   5.55418-3   5.55418-3   5.55418-524   5.55418-524   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5   5.55418-5	Subtotal	ı	4,796,645,359	8,529,566	,	1	- s	- 8	S			S
190,407   162,275,675   5,548,334   325,600   5   5   1,000,470   5   2,101,180,109   3   2,101,180,109   3   2,101,180,109   3   2,101,180,109   3   2,101,180,109   3   2,101,180,109   3   2,101,180,109   3   2,101,180,109   3   2,101,180,109   3   2,101,180,109   3   2,101,180,109   3   2,101,180,190   3   2,101,180,190   3   2,101,180,190   3   2,101,180,190   3   2,101,180,190   3   2,101,180,190   3   2,101,180,190   3   2,101,180,190   3   2,101,180,190   3   2,101,180,190   3   2,101,180,190   3   2,101,180,190   3   2,101,180,190   3   2,101,180,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,101,190   3   2,		0000	000000000000000000000000000000000000000	000000			6	(12, (42, 450)	6			
130,407   162,275,675   S. S. S. S. S. S. S. S. S. S. S. S. S.	10tal FSC 220	19,973,040	32,716,097,739	50,562,716.5				(12,042,439)	9			5 2,173,304,664
210,011,808 S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S S	treet Lighting - Total PSC No. 214	130,407	162,275,675	•	55,438,334		- S	- 8				\$ 58,308,787
31/21/21 S	aroung Docomaline Mochaniem				6		9	6	s	s	s	ú
20,103,485 31,273 5	cycline Decoupling internation			,	9			9	9	9	9	9
20, 11, 12, 13, 13, 14, 15, 15, 14, 15, 15, 14, 15, 15, 14, 14, 15, 15, 14, 15, 15, 14, 15, 15, 14, 15, 15, 14, 15, 15, 14, 14, 15, 15, 14, 15, 15, 14, 15, 15, 14, 15, 15, 14, 15, 15, 14, 15, 15, 14, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15	ther Retail Revenues											
20,103,465 32,880,973,414 50,822,718.3 \$ 1,855,695,600 \$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	BC				210,611,808		·		•	· ·	· ·	210
1.000000000000000000000000000000000000	Queensbury Underground Revenue		•	1	317,273		· s	·	·	·	·	
Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Second Color   Seco	3ZR Discounts	•	•		(1,100,000)		·		•			=
20,103,455 32,880,973,414 50,582,7183 \$ 1856,540 \$ 5	JP Discounts		•	•	(550,800)		- s		·			•
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3.301,196       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       6       5       6       5       6       5       6       5       6       5       6       6       7       6       7       6       7       8       7       8       7       8       7       8       7       8       7       8       7       8       7       8       7       8       7       8       7       8       7       8       7       8       8       8       9       8       8       8       9       8       8       9       8       8       8       9       8       8       8       9       8       8       9       8       8       9       8       8       9       8       8       9       8       8       9       8       9       9       8       8       9	Rent from Electric Property				_					·	·	_
1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5	Plant Leased to Others				2,361,8/0							
3     347,155     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     5     7     6     7     7     7     7     7     7     7     7     7     8     7 <t< td=""><td>CSS Billing Fees</td><td></td><td></td><td></td><td>3,001,196</td><td></td><td></td><td></td><td></td><td>· •</td><td>·</td><td>m.</td></t<>	CSS Billing Fees				3,001,196					· •	·	m.
S     20,735,000     3     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5     -     5	Upen Access Revenues				347,135							
\$ 884,000 \$     - \$     - \$     - \$       \$ 210,194     - \$     - \$     - \$       \$ (314378)454     - \$     - \$     - \$       \$ - \$ 200,375,197     - \$     - \$     - \$       \$ - \$ - \$     - \$     - \$     - \$       \$ - \$ - \$     - \$     - \$     - \$       \$ - \$ - \$     - \$     - \$     - \$       \$ - \$ - \$ - \$     - \$     - \$     - \$       \$ - \$ - \$ - \$     - \$     - \$     - \$	Other Misc Electric Revenue				76,753,650							97
\$ 210,194 \$ (51457,895) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	Increase in Reconnects				884,000	,			·			
\$ (3147/895) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	Other Miscellaneous Revenues				210,194			•	•	•	•	
\$ - \$ - \$ 700'3/3'191 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	Kemoval of E11P	6	6	6	(51,457,895)	•						
\$ 111 108 PT 3 93 PT PSE 1125 3 00 PT PSE 11 3 103 PT PSE 11 103 PT 3 103 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11 3 PT PSE 11	Other Electric Kevenue Subtotal	-			200,375,197			-		-	-	\$ 200,575,19
					0,000					4		

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# Niagara Mohawk Power Corporation d/b/a National Grid Years Ending March 31, 2019-2021 Reconciliation of Proposed Increase (\$000s)

Line	Description	Source	Rate Year 1 March 31, 2019	Rate Year 2 March 31, 2020	Rate Year 3 March 31, 2021
1	Base Rev Req	Appendix 1, Schedule 1	2,696,036	2,689,282	2,713,414
7	Less: GRT	Appendix 1, Schedule 1	(35,174)	(35,131)	(35,478)
3	Total Rev Req (excl GRT)		2,660,862	2,654,151	2,677,936
4	Less: Commodity	Appendix 1, Schedule 1	(626,119)	(593,116)	(571,384)
S	Gross Margin	Appendix 1, Schedule 1	2,034,743	2,061,035	2,106,552
9					
7	SBC (Systems Benefits Charge)	Appendix 2, Schedules 1.1-1.3	161,715	160,538	159,154
8	DLM / Load Control	Appendix 2, Schedules 1.1 - 1.3	2,460	2,512	2,564
6	Large Customer Discounts	Appendix 2, Schedules 1.1 - 1.3	(2,568)	(2,494)	(2,095)
10	Merchant Function Charge- Proposed rates	Appendix 2, Schedule 7	20,691	19,849	19,235
11	Merchant Function Charge- Adjustment for tax credit	Adjustments	(490)	(463)	(445)
12	Late Payment Charges- Proposed rates	Appendix 2, Schedules 1.1 - 1.3	13,426	13,379	12,938
13	Late Payment Charges- Adjustment for tax credit	Adjustments	(343)	(338)	(354)
14	Other Revenue	Appendix 2, Schedules 1.1 - 1.3	236,378	237,971	239,296
15	Billing Credit	Appendix 2, Schedules 1.1 - 1.3	(3,699)	(3,699)	(3,699)
16	Other Revenue at Proposed		427,570	427,254	426,595
17					
18	Total to recover	Line 5 less Line16	1,607,173	1,633,781	1,679,957
20	Delivery Revenue at Present Rates	Appendix 2, Schedule 2	1,390,830	1,604,231	1,626,409
21					
22	Revenue Increase needed	Line 18 less Line 20	216,343	29,549	53,548
23	Revenue Increase	Appendix 2, Schedule 2	216,343	29,549	53,548
24	Difference (rounding)	Line 22 less Line 23	0	0	(0)
25					
26	Delivery Revenue- Present Rates	Appendix 2, Schedule 2	1,390,830	1,604,231	1,626,409
27	Delivery Revenue- Proposed Rates	Appendix 2, Schedule 2	1,607,173	1,633,781	1,679,957
28	Net change	Sum Line 28- Line 27	216,343	29,549	53,548
30	Difference (rounding)	Line 23 less Line 28	0	0	0
)					

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Appendix 2
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Niagara Mohawk Power Corporation d/b/a National Grid Rate Plan

Years Ending March 31, 2019-2022 Revenue Allocation

			Rate 1	Rate Year 1				Rate Year 1	r 1			
Line	Description	Includes	Customers	<b>Deliveries</b> MWH	Delivery Revenue at PRESENT Rates	MFC Present	Delivery Margin at PRESENT Rates	Delivery Revenue at PROPOSED Rates	MFC Proposed	Change Tariff Fees	Delivery Margin at PROPOSED Rates	Rate Year Proposed over Present
-	Residential	SC-1	1,481,644	11,042,711	827,668	16,534	844,201	988,273	11,501	982	1,000,559	18.5%
7	Residential TOU	SC-1C	5,088	284,120	10,753	266	11,019	12,089	185	3	12,276	11.4%
$\epsilon$	Small Gen No Dem	SC-2-ND	114,107	614,715	63,797	756	64,552	71,301	526	61	71,887	11.4%
4	Small Gen Demand	SC-2-Dem	49,387	4,231,476	178,739	752	179,491	214,349	523	26	214,898	19.7%
S	Large Gen-Sec	SC-3-S	3,760	4,418,259	126,616	317	126,933	151,075	220	2	151,297	19.2%
9	Large Gen-Pri	SC-3-P	739	1,966,773	41,436	94	41,529	49,609	65	0	49,675	19.6%
_	Large Gen-Tran	SC-3-T	177	673,799	6,411	52	6,463	7,402	36	0	7,438	15.1%
∞	Large Gen TOU-S/P	SC-3A-S/P	81	1,212,981	24,220	39	24,259	29,109	27	0	29,136	20.1%
6	Large Gen TOU-SubT	SC-3A-U	89	1,611,724	13,428	63	13,490	15,276	43	0	15,320	13.6%
10	Large Gen TOU-Tran	SC-3A-T	94	7,091,765	44,343	409	44,752	58,594	284	0	58,879	31.6%
11	Lighting	SC-L	1	180,529	53,419	22	53,440	54,135	15	9	54,157	1.3%
12			1,655,146	33,328,851	1,390,830	19,302	1,410,132	1,651,212	13,426	884	1,665,522	18.1%
13	Checks							1,651,212	13,426			
14	Increase from Exhibit	<b>.</b>							%9.69			
15	Surcredit offset											
16	MFC Increase over Present Rates	resent Rates										
17	Tariff Fees over Present Rates	ent Rates										
18												
19												
20	Target Increase- Delivery Only	very Only										
7												

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Niagara Mohawk Power Corporation d/b/a National Grid Rate Plan

Years Ending March 31, 2019-2022 Revenue Allocation

						Rate Ye	Rate Year 1 Proposed	p		
Line	Description	Includes	Delivery Margin-Rate Year Proposed	Portion of Increase	Year 1 Increase	ETIP at Present	TRAC at Present	TARGET Delivery Revenue Year 1	Tax Change	Surcredit
-	Residential	SC-1	156,358	61.2%	158,280	19,990	(40,748)	965,190	(31,941)	(74,000)
7	Residential TOU	SC-1C	1,257	0.5%	1,273	514	(813)	11,727	(433)	(818)
$\kappa$	Small Gen No Dem	SC-2-ND	7,334	2.9%	7,425	1,113	(2,526)	69,807	(2,374)	(4,435)
4	Small Gen Demand	SC-2-Dem	35,407	13.9%	35,842	7,651	(13,187)	209,046	(9,046)	(16,413)
5	Large Gen-Sec	SC-3-S	24,364	9.5%	24,664	7,721	(10,877)	148,125	(6,343)	(10,400)
9	Large Gen-Pri	SC-3-P	8,145	3.2%	8,245	3,230	(3,979)	48,932	(2,201)	(3,500)
7	Large Gen-Tran	SC-3-T	975	0.4%	786	992	(1,195)	7,196	(427)	(540)
∞	Large Gen TOU-S/P	SC-3A-S/P	4,877	1.9%	4,937	1,674	(2,229)	28,602	(1,303)	(2,200)
6	Large Gen TOU-SubT	SC-3A-U	1,830	0.7%	1,852	2,460	(3,017)	14,723	(912)	(006)
10	Large Gen TOU-Tran	SC-3A-T	14,126	5.5%	14,300	5,787	(15,056)	49,374	(3,429)	(4,860)
Ξ	Lighting	SC-L	716	0.3%	725	327	(19)	54,451	(1,940)	1,150
12			255,390	100.0%	258,530	51,458	(93,644)	1,607,173	(60,351)	(116,916)
13	Checks					51,458	(93,644)		(60,351)	(116,916)
4	Increase from Exhibit				260,422	GM	218,235	1,390,830	I	Present
15	Surcredit offset			1	I	ETIP	(51,458)	258,530	I	Increase
16	MFC Increase over Present Rates	resent Rates			<u>. ¬</u>	TRAC	93,644	51,458	I	ETIP
17	Tariff Fees over Present Rates	ent Rates			I			(93,644)		TRAC
19				!	(1,892) 1	(1,892) Net change, Other rev	ther rev			
20	Target Increase- Delivery Only	very Only		ı II	258,530			1,607,173		
17										

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Niagara Mohawk Power Corporation d/b/a National Grid Rate Plan

Years Ending March 31, 2019-2022 Revenue Allocation

				Rate	Rate Year 2 Proposed	posed			Rate	Rate Year 3 Proposed	posed	
Line	Description	Includes	Delivery Revenue Year 2 at Year 1 Rates- From Sch. 3.2B	Increase for Year 2	TARGET Delivery Revenue Year 2	Tax Change	Surcredit	Delivery Revenue Year 3 at Year 2 Rates- From Sch. 3.3B	Increase for Year 3	TARGET Delivery Revenue Year 3	Tax Change	Surcredit
-	Residential	SC-1	964,296	17,762	982,058	(31,478)	(38,000)	979,903	32,262	1,012,165	(32,935)	(11,000)
7	Residential TOU	SC-1C	11,210	206	11,417	(427)	(530)	10,898	359	11,257	(447)	(200)
$\epsilon$	Small Gen No Dem	SC-2-ND	69,512	1,280	70,792	(2,340)	(3,000)	70,188	2,311	72,499	(2,448)	(1,400)
4	Small Gen Demand	SC-2-Dem	208,162	3,834	211,997	(8,915)	(8,000)	209,745	906'9	216,651	(9,328)	(1,600)
S	Large Gen-Sec	SC-3-S	148,621	2,738	151,358	(6,251)	(5,700)	150,995	4,971	155,966	(6,540)	(2,050)
9	Large Gen-Pri	SC-3-P	49,074	904	49,978	(2,169)	(1,770)	49,839	1,641	51,480	(2,270)	(650)
7	Large Gen-Tran	SC-3-T	7,198	133	7,331	(421)	(280)	7,310	241	7,551	(441)	(100)
∞	Large Gen TOU-S/P	SC-3A-S/P	28,284	521	28,805	(1,284)	(1,100)	28,374	934	29,308	(1,344)	(275)
6	Large Gen TOU-SubT	SC-3A-U	14,533	268	14,801	(668)	(675)	14,553	479	15,032	(940)	(360)
10	Large Gen TOU-Tran	SC-3A-T	48,889	901	49,790	(3,379)	(500)	49,149	1,618	50,768	(3,536)	(850)
11	Lighting	SC-L	54,451	1,003	55,454	(1,912)	260	55,454	1,826	57,280	(2,000)	(975)
12			1,604,231	29,549	1,633,781	(59,476)	(59,295)	1,626,409	53,548	1,679,957	(62,228)	(19,460)
13	Checks		1,604,231		1,633,781	(59,476)	(59,295)	1,626,409	·		(62,228)	(19,460)
14	Increase from Exhibit	Δ.	-	28,936 C	GM				51,137	GM		
15	Surcredit offset		-									
16	MFC Increase over Present Rates	resent Rates										
17	Tariff Fees over Present Rates	ent Rates										
<u>∞</u>												
19	Tourset Insulant	on Comment	-	613 N	613 Net change, Other rev	Other rev		1	2,411 ]	2,411 Net change, Other rev	Other rev	
2 2	i aiget increase- Denvery Omy	very Omy	. %	1 84%				= %	3,040			
7			111CI 70	1.0470				111CI 70	3.2970			

Niagara Mohawk Power Corporation d/b/a Nations Rate Plan Years Ending March 31, 2019-2022 Revenue Allocation

				Rate Year	Rate Year 4 Proposed	
Line	Description	Includes	Delivery Revenue Year 4 at Year 3 Rates- From Sch. 3.4C	TARGET Delivery Revenue Year 4	Tax Change	Surcredit
-	Residential	SC-1	1,012,142	1,012,142	(32,935)	(1,699)
7	Residential TOU	SC-1C	11,257	11,257	(447)	(80)
3	Small Gen No Dem	SC-2-ND	72,497	72,497	(2,448)	(700)
4	Small Gen Demand	SC-2-Dem	216,644	216,644	(9,328)	(500)
5	Large Gen-Sec	SC-3-S	155,959	155,959	(6,540)	(009)
9	Large Gen-Pri	SC-3-P	51,482	51,482	(2,270)	(214)
7	Large Gen-Tran	SC-3-T	7,551	7,551	(441)	(35)
∞	Large Gen TOU-S/P	SC-3A-S/P	29,309	29,309	(1,344)	(8)
6	Large Gen TOU-SubT	SC-3A-U	15,033	15,033	(940)	(58)
10	Large Gen TOU-Tran	SC-3A-T	50,758	50,758	(3,536)	(400)
11	Lighting	SC-L	57,280	57,280	(2,000)	(435)
12			1,679,912	1,679,912	(62,228)	(4,729)
13	Checks		1,679,912		(62,228)	(4,729)

Increase from Exhibit Surcredit offset

MFC Increase over Present Rates

Tariff Fees over Present Rates

14 15 16 17 17 18 19 20 21

Target Increase- Delivery Only

Niagara Mohawk Power Corporation d/b/a National Grid Years Ending March 31, 2019-2022 Calculation of Proposed Rates- Rate Year 1

		<b>Current Rates</b>			Curre	<b>Current Rates Revenue</b>	anus	
Line Rates	Customer Charge	<b>Distribution</b> Volumetric	RKVA	Total Revenue	Less: Customer Charge	Variable Distribution Revenue	Less: kVA Revenue	Balance
1 SC1	17.00	0.04758	•	827,667,610	302,255,401	525,412,209	•	525,412,209
2 SC1C	30.00	0.03140	ı	10,753,176	1,831,801	8,921,375		8,921,375
3 SC2ND	21.02	0.05696	ı	63,796,565	28,782,392	35,014,174	•	35,014,174
4 SC2D	52.52	10.27	ı	178,739,386	31,125,903	147,613,483		147,613,483
5 SC3 Sec	260.15	10.03	0.85	126,616,495	11,737,734	114,878,761	538,181	114,340,580
6 SC3 Pri	436.70	8.15	0.85	41,435,505	3,872,227	37,563,278	629,008	36,934,270
7 SC3 Sub	565.23	2.77	0.85	6,411,369	1,202,801	5,208,568	326,953	4,881,615
8 SC3A Sec	1,000.00	9.18	1.02	24,220,150	976,852	23,243,299	393,121	22,850,177
9 SC3A Sub	1,400.00	3.56	1.02	13,427,537	1,136,819	12,290,719	731,011	11,559,708
10 SC3A Tran	3,500.00	2.84	1.02	44,343,265	3,941,907	40,401,358	2,080,013	38,321,345
11 Lighting				53,418,599	38,814,384	14,604,215	1	14,604,215
12				1,390,829,659	425,678,221	965,151,438	4,698,287	960,453,151

Niagara Mohawk Power Corporation d/b/a National Grid Years Ending March 31, 2019-2022 Calculation of Proposed Rates-Rate Year 1

				Ra	te Year 1 Ta	Rate Year 1 Target Revenue			
Line	Rates	Proposed Delivery Revenue	Less: Customer Charge	Balance	kVA Revenue	Balance	% Proposed Rates Increase	Actual Revenue Distribution	Difference
- S(	C1	965,189,659	302,255,401	662,934,258	ı	662,934,258	26.2%	965,149,367	(40,293)
2 S(	CIC	11,727,413	1,831,801	9,895,612	ı	9,895,612	10.9%	11,727,709	296
3 S(	C2ND	69,807,500	28,782,392	41,025,108		41,025,108	17.2%	69,808,479	980
4 S	C2D	209,045,831	31,125,903	177,919,928	ı	177,919,928	20.5%	209,052,613	6,781
s S(	SC3 Sec	148,124,689	14,663,708	133,460,982	538,181	132,922,801	16.3%	148,126,158	1,469
)S 9	C3 Pri	48,932,038	3,872,227	45,059,811	629,008	44,430,803	20.3%	48,931,122	(916)
7 SC	SC3 Sub	7,195,520	1,359,783	5,835,738	326,953	5,508,785	12.8%	7,184,390	(11,130)
» S(	C3A Sec	28,602,410	1,302,466	27,299,945	393,121	26,906,823	17.8%	28,603,040	629
)S 6	C3A Sub	14,722,822	1,416,151	13,306,671	731,011	12,575,660	8.8%	14,723,215	392
10 SC	3C3A Tran	49,373,657	4,512,921	44,860,736	2,080,013	42,780,723	11.6%	49,367,111	(6,546)
11 Li	ighting	54,451,189	38,814,384	15,636,805	ı	15,636,805	7.1%	54,451,189	1
12		1,607,172,730	429,937,136	429,937,136 1,177,235,595	4,698,287	1,172,537,307		1,607,124,393	(48,337)

Niagara Mohawk Power Corporation d/b/a National Grid Years Ending March 31, 2019-2022 Calculation of Proposed Rates- Rate Year 1

				Proposed Rates	Rates			Volumetric Volumetric	Volumetric			Volumetric	Volumetric
Line Ra	Rates	Customer Charge	Distribution Adder for Volumetric- NYPA Base ETIP	Adder for NYPA ETIP	<b>Distribution</b> Volumetric	NYPA Credit	RKVA	Tax	Surcredit	NET VOLUME TRIC	Units	Tax	Surcredit
1 SC1		17.00			0.06003			(0.00289)	(0.00670)	0.05044	11,042,711	(31,913,436)	(73,986,166)
2 SC1C		30.00			0.03483			(0.00153)		0.03042	284,120	(434,704)	(818,266)
3 SC2NI	0	21.02			0.06674			(0.00386)	(0.00721)	0.05567	614,715	(2,372,800)	(4,432,096)
4 SC2D		52.52	12.379	0.001	12.380	(0.533)		(0.629)		10.609	14,373,270	(9,040,787)	(16,414,274)
5 SC3 Sec	၁၁	325.00	11.660	0.023	11.683	(0.700)	0.85	(0.556)	(0.912)	10.215	11,400,129	(6,338,472)	(10,396,917)
6 SC3 Pr	i.	436.70	9.804	0.068	9.872	(0.781)	0.85	(0.486)		8.614	4,531,812	(2,202,461)	(3,498,559)
7 SC3 St	qn	639.00	3.126	0.104	3.230	(0.667)	0.85	(0.242)		2.682	1,762,316	(426,480)	(539,269)
8 SC3A	Sec	1,333.33	10.810	0.181	10.991	(0.854)	1.02	(0.524)		9.583	2,489,126	(1,304,302)	(2,200,387)
9 SC3A Sub	Sub	1,744.00	3.873	0.134	4.007	(0.892)	1.02	(0.281)		3.449	3,247,109	(912,438)	(899,449)
10 SC3A Tran	Tran	4,007.00	3.170	0.413	3.583	(0.842)	1.02	(0.254)		2.969	13,493,431	(3,427,332)	(4,857,635)
11 Lighting	Jg							(0.01074)	$\circ$		180,529	(1,938,880)	1,149,969
12											<u>"</u>	(60,312,091) (116,893,051)	(116,893,051)

Niagara Mohawk Power Corporation d/b/a National Grid Years Ending March 31, 2019-2022 Proof of Distribution Revenue at Proposed Rates-Rate Year 1

		Custo	Customer Charge		Den	Demand Charge	ie.	kWh-	kWh-Based Charge	а	kV	kVA Charges		N	NYPA kW		
Line Description	Includes	Annual Bills	Monthly Charge	Customer Chg Revenue	Billing Demand	Demand Charge	Demand Chg Revenue	kWh Deliveries kWh-Based X 1000 Chg		kWh-Based Chg Revenue	kVA	kVA Rate F	kVA Revenue	NYPA KW	Credit	Credit 1	Distribution Revenue
1 Residential	SC-1	17,779,729	17.00	302,255				11,042,711	\$0.06003	662,894							965,149
2 Residential TOU	SC-1C	61,060	30.00	1,832				284,120	\$0.03483	9,896							11,728
3 Small Gen No Dem	SC-2-ND	1,369,286	21.02	28,782				614,715	\$0.06674	41,026							808'69
4 Small Gen Demand	SC-2-Dem	592,649	52.52	31,126	14,373,270	\$12.38	177,935	4,231,476		•				15,033	(\$0.53)	(8)	209,053
5 Large Gen-Sec	SC-3-S	45,119	325.00	14,664	11,400,129	\$11.68	133,183	4,418,259		•	633,154	\$0.85	538	369,810	(\$0.70)	(259)	148,126
6 Large Gen-Pri	SC-3-P	8,867	436.70	3,872	4,531,812	89.87	44,740	1,966,773		1	740,009	\$0.85	679	396,583	(\$0.78)	(310)	48,931
7 Large Gen-Tran	SC-3-T	2,128	639.00	1,360	1,762,316	\$3.23	5,693	673,799		•	384,651	\$0.85	327	292,985	(\$0.67)	(195)	7,184
8 Large Gen TOU-S/P	SC-3A-S/P	716	1,333.33	1,302	2,489,126	\$10.99	27,358	1,212,981		•	385,413	\$1.02	393	527,789	(\$0.85)	(450)	28,603
9 Large Gen TOU-SubT	F SC-3A-U	812	1,744.00	1,416	3,247,109	\$4.01	13,013	1,611,724		•	716,677	\$1.02	731	489,379	(80.89)	(437)	14,723
10 Large Gen TOU-Tran	SC-3A-T	1,126	4,007.00	4,513	13,493,431	\$3.58	48,346	7,091,765		1	2,039,228	\$1.02	2,080	6,619,042	(\$0.84)	(5,572)	49,367
11 Lighting	SC-L	Š	Same as Pres	38,814				180,529	ļ	15,637							54,451
12		19,861,753	ı I	429,937	51,297,193		450,267	33,328,851	ı	729,453	4,899,133		4,698	8,710,621		(7,231)	1,607,124
13		19,861,753															1,607,173
14	Bills	Demand k	kWh														(48)

Niagara Mohawk Power Corporation d/b/a National Grid Years Ending March 31, 2019-2022 Calculation of Proposed Rates- Rate Year 2

	Rate Y	Rate Year 1 Rates Proposed	posed			Rate Year 1 Rates Revenue	tes Revenu	e	
Line Rates	Customer Distril Charge Volun	oution netric	RKVA	Total Revenue	Less: Customer Charge	Variable Distribution Revenue	Less: kVA Revenue	NYPA Credit	Balance
1 SC1	17.00	0.06003 0	ı	965,149,367	302,255,401	662,893,966	•	1	662,893,966
2 SC1C	30.00		1	11,727,709	1,831,801	9,895,908	ı	1	9,895,908
3 SC2ND	21.02	0.06674 0		69,808,419	28,782,392	41,026,088	•	1	41,026,088
4 SC2D	52.52	12.38 #		209,052,613	31,125,903	177,926,710	1	(8,010)	177,934,720
5 SC3 Sec	325.00	11.68 #	0.85	148,126,158	14,663,708	133,462,450	538,181	(258,823)	133,183,092
6 SC3 Pri	436.70	9.87	0.85	48,931,122	3,872,227	45,058,895	629,008	(309,737)	44,739,624
7 SC3 Sub	639.00	3.23 #	0.85	7,184,390	1,359,783	5,824,607	326,953	(195,498)	5,693,153
8 SC3A Sec	1,333.33	10.99 #	1.02	28,603,040	1,302,466	27,300,574	393,121	(450,489)	27,357,942
9 SC3A Sub	1,744.00	4.01 #	1.02	14,723,215	1,416,151	13,307,064	731,011	(436,534)	13,012,587
10 SC3A Tran	4,007.00	3.58 #	1.02	49,367,111	4,512,921	44,854,190	2,080,013	(5,571,762)	48,345,939
11 Lighting				54,451,189	38,814,384	15,636,805	•	1	15,636,805
12				1,607,124,393	429,937,136	1,177,187,257	4,698,287	(7,230,853)	1,179,719,823

Niagara Mohawk Power Corporation d/b/a National Grid Years Ending March 31, 2019-2022 Calculation of Proposed Rates-Rate Year 2

				Rate Year	Rate Year 2 Target Revenue	nue			
Line Rates	Proposed Delivery Revenue	Less: Customer Charge	Balance	kVA Revenue NYPA Credit	NYPA Credit	Balance	% Proposed Rates Increase	Actual Revenue Distribution	Difference
1 SC1	982,057,792	303,124,177	678,933,614	•	1	678,933,614	2.7%	982,028,328	(29,464)
2 SC1C	11,416,871	1,737,422	9,679,449		1	9,679,449	2.2%	11,417,082	210
3 SC2ND	70,791,903	28,894,045	41,897,858	-	1	41,897,858	3.2%	70,789,566	(2,336)
4 SC2D	211,996,558	31,212,495	180,784,063	1	(8,005)	180,792,068	2.2%	211,999,487	2,929
5 SC3 Sec	151,358,075	17,671,006	133,687,070	540,014	(258,280)	133,405,335	(0.2%)	151,364,462	6,386
6 SC3 Pri	49,978,429	3,888,805	46,089,625	631,259	(307,884)	45,766,250	2.0%	49,981,762	3,333
7 SC3 Sub	7,330,605	1,521,178	5,809,427	327,948	(194,142)	5,675,620	(0.4%)	7,330,176	(428)
8 SC3A Sec	28,805,411	1,589,938	27,215,473	388,794	(447,022)	27,273,701	0.7%	28,804,421	(686)
9 SC3A Sub	14,800,995	1,650,178	13,150,817	722,027	(434,453)	12,863,243	(0.0%)	14,800,547	(447)
10 SC3A Tran	49,789,839	5,001,037	44,788,802	2,062,888	(5,514,861)	48,240,776	0.7%	49,785,279	(4,560)
11 Lighting	55,454,163	38,814,384	16,639,779		ı	16,639,779	12.1%	55,454,163	1
12	1,633,780,640	435,104,664	35,104,664 1,198,675,976	4,672,930	(7,164,648)	(7,164,648) 1,201,167,693		1,633,755,274	(25,366)

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Appendix 2
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Niagara Mohawk Power Corporation d/b/a National Grid Years Ending March 31, 2019-2022 Calculation of Proposed Rates- Rate Year 2

			Proposed Rates	Rates			Volumetric Volumetric	Volumetric			Volumetric	Volumetric
Line Rates	Customer Charge	Distribution Adder for Volumetric- NYPA Base ETIP	Adder for NYPA ETIP	<b>Distribution</b> Volumetric	NYPA Credit	RKVA	Tax	Surcredit	NET VOLUME TRIC	Units	Tax	Surcredit
1 SC1	17.00			0.06164			(0.00286)	(0.00345)	0.05533	11,014,019	(31,500,095)	(37,998,367)
2 SC1C	30.00			0.03559			(0.00157)	(0.00195)	0.03207	271,977	(427,004)	(530,355)
3 SC2ND	21.02			0.06884			(0.00384)	(0.00493)	0.06007	608,593	(2,336,996)	(3,000,362)
4 SC2D	52.52	12.647	0.001	12.648	(0.533)		(0.624)		11.464	14,294,355	(8,919,677)	(8,004,839)
s SC3 Sec	390.00	11.642	0.023	11.665	(0.700)	0.85	(0.547)	(0.498)	10.620	11,436,924	(6,255,998)	(5,695,588)
6 SC3 Pri	436.70		0.070	10.072	(0.781)	0.85	(0.477)		9.205	4,544,240	(2,167,602)	(1,772,254)
7 SC3 Sub	712.00	3.113	0.104	3.217	(0.667)	0.85	(0.239)		2.819	1,764,125	(421,626)	(280,496)
8 SC3A Sec	1,666.67	10.891	0.182	11.073	(0.854)	1.02	(0.521)		10.105	2,462,992	(1,283,219)	(1,100,957)
9 SC3A Sub	2,088.00	3.872	0.134	4.006	(0.892)	1.02	(0.280)		3.516	3,210,883	(899,047)	(674,285)
10 SC3A Tran	4,513.00	3.192	0.416	3.608	(0.842)	1.02	(0.253)		3.318	13,369,239	(3,382,418)	(494,662)
11 Lighting							(0.011115)	$\overline{}$		171,402	(1,911,135)	260,531
12											(59,504,817)	(59,291,633)

Niagara Mohawk Power Corporation d/b/a National Grid Years Ending March 31, 2019-2022 Rate Year 2 Billing Units X Rate Year 1 Rates (\$000s)

			Cust	Customer Charge	63	Dem	Demand Charge	e	kWh-	kWh-Based Charge	e.	ΚV	kVA Charges		N	NYPA kW		
Line	Description	Includes	Annual Bills	Monthly Charge	Customer Chg Revenue	Billing Demand	Demand Charge	Demand Chg Revenue	kWh Deliveries kWh-Based X 1000 Chg		kWh-Based Chg Revenue	kVA	kVA Rate	kVA Revenue	NYPA kW	Credit	Credit	Distribution Revenue
1	Residential	SC-1	17,830,834	17.00	303,124				11,014,019	\$0.06003	661,172							964,296
7	Residential TOU	SC-1C	57,914	30.00	1,737				271,977	\$0.03483	9,473							11,210
ж	Small Gen No Dem	SC-2-ND	1,374,598	21.02	28,894				608,593	\$0.06674	40,617							69,512
4	Small Gen Demand	SC-2-Dem	594,297	52.52	31,212	14,294,355	\$12.38	176,958	4,208,246		•				15,023	(\$0.53)	8)	208,162
5	Large Gen-Sec	SC-3-S	45,310	325.00	14,726	11,436,924	\$11.68	133,613	4,432,534		•	635,311	\$0.85	540	369,034	(\$0.70)	(258)	148,621
9	Large Gen-Pri	SC-3-P	8,905	436.70	3,889	4,544,240	89.87	44,862	1,971,988		•	742,658	\$0.85	631	394,212	(\$0.78)	(308)	49,074
7	Large Gen-Tran	SC-3-T	2,136	639.00	1,365	1,764,125	\$3.23	5,699	674,706		•	385,821	\$0.85	328	290,952	(\$0.67)	(194)	7,198
∞	Large Gen TOU-S/P	SC-3A-S/P	954	1,333.33	1,272	2,462,992	\$10.99	27,071	1,200,274		•	381,171	\$1.02	389	523,727	(\$0.85)	(447)	28,284
6	Large Gen TOU-SubT	SC-3A-U	790	1,744.00	1,378	3,210,883	\$4.01	12,867	1,593,759		•	707,869	\$1.02	722	487,046	(80.89)	(434)	14,533
10	Large Gen TOU-Tran	SC-3A-T	1,108	4,007.00	4,440	13,369,239	\$3.58	47,901	7,024,201		•	2,022,439	\$1.02	2,063	6,551,446	(\$0.84)	(5,515)	48,889
11	Lighting	SC-L	S	Same as Pres	38,814				171,402		15,637							54,451
12		_	19,916,847	.1	430,853	51,082,758	. 11	448,971	33,171,700	ı II	726,899	4,875,269		4,673	8,631,440		(7,165)	1,604,231
13			19,916,847			51,082,758			33,171,700									
,																		

Niagara Mohawk Power Corporation d/b/a National Grid Years Ending March 31, 2019-2022 Proof of Distribution Revenue at Proposed Rates-Rate Year 2

			Cust	Customer Charge	ď	Dem	emand Charge	e	kWh-	kWh-Based Charge	e	kVA	kVA Charges		N	NYPA kW		
Line	Description	Includes	Annual Bills	Monthly Charge	Customer Chg Revenue	Billing Demand	Demand Charge	Demand Chg Revenue	kWh Deliveries kWh-Based X 1000 Chg		kWh-Based Chg Revenue	kVA K	kVA Rate R	kVA Revenue	NYPA KW	Credit	Credit I	<b>Distribution</b> Revenue
-	Residential	SC-1	17,830,834	17.00	303,124				11,014,019	\$0.06164	678,904							982,028
2	Residential TOU	SC-1C	57,914	30.00	1,737				271,977	\$0.03559	089,6							11,417
3	Small Gen No Dem	SC-2-ND	1,374,598	21.02	28,894				608,593	\$0.06884	41,896							70,790
4	Small Gen Demand	SC-2-Dem	594,297	52.52	31,212	14,294,355	\$12.65	180,795	4,208,246		•				15,023	(\$0.53)	(8)	211,999
5	Large Gen-Sec	SC-3-S	45,310	390.00	17,671	11,436,924	\$11.67	133,412	4,432,534		•	635,311	\$0.85	540	369,034	(\$0.70)	(258)	151,364
9	Large Gen-Pri	SC-3-P	8,905	436.70	3,889	4,544,240	\$10.07	45,770	1,971,988		•	742,658	\$0.85	631	394,212	(\$0.78)	(308)	49,982
7	Large Gen-Tran	SC-3-T	2,136	712.00	1,521	1,764,125	\$3.22	5,675	674,706		'	385,821	\$0.85	328	290,952	(\$0.67)	(194)	7,330
∞	Large Gen TOU-S/P	SC-3A-S/P	954	1,666.67	1,590	2,462,992	\$11.07	27,273	1,200,274		•	381,171	\$1.02	389	523,727	(\$0.85)	(447)	28,804
6	Large Gen TOU-SubT	SC-3A-U	790	2,088.00	1,650	3,210,883	\$4.01	12,863	1,593,759		•	707,869	\$1.02	722	487,046	(80.89)	(434)	14,801
10	Large Gen TOU-Tran	SC-3A-T	1,108	4,513.00	5,001	13,369,239	\$3.61	48,236	7,024,201		•	2,022,439	\$1.02	2,063	6,551,446	(\$0.84)	(5,515)	49,785
11	Lighting	SC-L	S	Same as Pres	38,814				171,402		16,640							55,454
12			19,916,847	. !!	435,105	51,082,758	. !	454,023	33,171,700	ı I	747,119	747,119 4,875,269		4,673 8,631,440	8,631,440		(7,165)	1,633,755
13			19,916,847			51,082,758	I		33,171,700	l								1,633,781
14																		(25)

Niagara Mohawk Power Corporation d/b/a National Grid Years Ending March 31, 2019-2022 Calculation of Proposed Rates-Rate Year 3

		Rate Yo	Rate Year 2 Rates Proposed	posed			Rate Year 2 Rates Revenue	ites Revenue		
Line	Rates	Customer Charge	Sustomer Distribution	I RKVA	Total Revenue	Less: Customer Charge	Variable Distribution Revenue	Less: kVA Revenue	NYPA Credit	Balance
1 SC1	71	17.00	0.06164 0		982,028,328	303,124,177	678,904,151		1	678,904,151
2 SC	SC1C	30.00		1	11,417,082	1,737,422	9,679,659	ı		9,679,659
3 SC	CZND	21.02	0.06884 0	1	70,789,566	28,894,045	41,895,522	ı	1	41,895,522
4 SC	C2D	52.52	12.65 #	1	211,999,487	31,212,495	180,786,992	1	(8,005)	180,794,997
s SC	33 Sec	390.00	11.67 #	0.85	151,364,462	17,671,006	133,693,456	540,014	(258,280)	133,411,722
o SC	33 Pri	436.70	10.07 #	0.85	49,981,762	3,888,805	46,092,958	631,259	(307,884)	45,769,583
7 SC	33 Sub	712.00	3.22 #	0.85	7,330,176	1,521,178	5,808,998	327,948	(194,142)	5,675,192
8 SC	SC3A Sec	1,666.67	11.07 #	1.02	28,804,421	1,589,938	27,214,484	388,794	(447,022)	27,272,712
o SC	33A Sub	2,088.00	4.01 #	1.02	14,800,547	1,650,178	13,150,370	722,027	(434,453)	12,862,796
10 SC	C3A Tran	4,513.00	3.61 #	1.02	49,785,279	5,001,037	44,784,242	2,062,888	(5,514,861)	48,236,216
11 Lig	ighting				55,454,163	38,814,384	16,639,779	1	ı	16,639,779
12					1,633,755,274	435,104,664	1,198,650,610	4,672,930	(7,164,648)	(7,164,648) 1,201,142,327

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Appendix 2
Schedule 3.3A
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Niagara Mohawk Power Corporation d/b/a National Grid Years Ending March 31, 2019-2022 Calculation of Proposed Rates- Rate Year 3

				Rate Year	Rate Year 3 Target Revenue	nue			
Line Rates	Proposed Delivery Revenue	Less: Customer Charge	Balance	kVA Revenue NYPA Credit	NYPA Credit	Balance	% Proposed Rates Increase	Actual Revenue Distribution	Difference
1 SC1	1,012,165,492	303,999,308	708,166,183			708,166,183	4.8%	1,012,141,508	(23,984)
2 SC1C	11,256,947	1,646,638	9,610,310			9,610,310	3.9%	11,256,866	(82)
3 SC2ND	72,499,193	29,014,522	43,484,671	-	-	43,484,671	5.6%	72,497,028	(2,164)
4 SC2D	216,650,558	31,308,397	185,342,161	1	(7,978)	185,350,139	3.9%	216,644,030	(6,528)
5 SC3 Sec	155,966,179	20,708,545	135,257,634	538,226	(257,045)	134,976,453	1.5%	155,959,360	(6,819)
6 SC3 Pri	51,479,533	3,906,351	47,573,182	629,342	(305,215)	47,249,055	3.6%	51,482,399	2,866
7 SC3 Sub	7,550,573	1,686,309	5,864,264	326,802	(192,296)	5,729,758	1.5%	7,551,179	909
8 SC3A Sec	29,308,273	1,863,633	27,444,640	382,884	(442,374)	27,504,130	2.3%	29,308,580	307
9 SC3A Sub	15,032,403	1,870,976	13,161,427	710,102	(431,215)	12,882,540	1.7%	15,032,934	531
10 SC3A Tran	50,767,510	5,474,930	45,292,580	2,037,949	(5,443,480)	48,698,112	2.2%	50,758,437	(9,074)
11 Lighting	57,279,923	38,814,384	18,465,539	1	1	18,465,539	17.2%	57,279,923	1
12	1,679,956,585	440,293,993	1,239,662,592	4,625,304	(7,079,603)	(7,079,603) 1,242,116,891		1,679,912,244	(44,340)

Niagara Mohawk Power Corporation d/b/a National Grid Years Ending March 31, 2019-2022 Calculation of Proposed Rates- Rate Year 3

				Proposed Rates	Rates			Volumetric Volumetric	Volumetric			Volumetric	Volumetric
Line Rates	Customer Charge	mer   rge	Distribution Adder for Volumetric- NYPA Base ETIP	Adder for NYPA ETIP	<b>Distribution</b> Volumetric	NYPA Credit	RKVA	Tax	Surcredit	NET VOLUME TRIC	Units	Tax	Surcredit
1 SC1	1	7.00			0.06458			(0.00300)	(0.00100)	0.06058	10,965,348	(32,896,045)	(10,965,348)
2 SC1C	31	30.00			0.03697			(0.00172)	(0.00077)	0.03448	259,947	(447,108)	(200,159)
3 SC2ND	2	21.02			0.07270			(0.00409)	(0.00234)	0.06627	598,109	(2,446,265)	(1,399,574)
4 SC2D		52.52	13.136	0.001	13.137	(0.533)		(0.661)	(0.113)	12.363	14,108,519	(9,325,731)	(1,594,263)
s SC3 Se		2.00	11.818	0.023	11.841	(0.700)	0.85	(0.574)	(0.180)	11.087	11,398,500	(6,542,739)	(2,051,730)
6 SC3 Pri		436.70	10.362	0.073	10.435	(0.781)	0.85	(0.501)	(0.144)	9.790	4,528,215	(2,268,636)	(652,063)
7 SC3 Su		00.98	3.158	0.106	3.264	(0.667)	0.85	(0.251)	(0.057)	2.956	1,755,626	(440,662)	(100,071)
8 SC3A Sec	ပ	2,000.00	11.144	0.186	11.330	(0.854)	1.02	(0.554)	(0.113)	10.663	2,427,576	(1,344,877)	(274,316)
9 SC3A Sub		2,432.00	3.938	0.136	4.074	(0.892)	1.02	(0.297)	(0.114)	3.663	3,162,266	(939,193)	(360,498)
10 SC3A Tran	4,	,020.00	3.263	0.425	3.688	(0.842)	1.02	(0.268)	(0.064)	3.356	13,202,017	(3,538,141)	(844,929)
11 Lighting	50							(0.01232)	(0.00601)		162,276	(1,999,236)	(975,277)
12												(62,188,633)	(19,418,228)

Niagara Mohawk Power Corporation d/b/a National Grid Years Ending March 31, 2019-2022 Rate Year 3 Billing Units X Rate Year 2 Rates (\$000s)

		_	Cust	Customer Charge	6)	Den	Demand Charge	e	kWh-	kWh-Based Charge	j.	kV	kVA Charges		Ñ	NYPA kW		
Line	Description	Includes	Annual Bills	Monthly Charge	Customer Chg Revenue	Billing Demand	Demand Charge	Demand Chg Revenue	kWh Deliveries kWh-Based X 1000 Chg		kWh-Based Chg Revenue	kva	kVA Rate F	kVA Revenue	NYPA KW	Credit	Credit	Distribution Revenue
1	Residential	SC-1	17,882,312	17.00	303,999				10,965,348	\$0.06164	675,904							979,903
7	Residential TOU	SC-1C	54,888	30.00	1,647				259,947	\$0.03559	9,252							10,898
3	Small Gen No Dem	SC-2-ND	1,380,329	21.02	29,015				598,109	\$0.06884	41,174							70,188
4	Small Gen Demand	SC-2-Dem	596,123	52.52	31,308	14,108,519	\$12.65	178,445	4,153,541		•				14,972	(\$0.53)	(8)	209,745
5	Large Gen-Sec	SC-3-S	45,513	390.00	17,750	11,398,500	\$11.67	132,963	4,417,686		•	633,207	\$0.85	538	367,270	(\$0.70)	(257)	150,995
9	Large Gen-Pri	SC-3-P	8,945	436.70	3,906	4,528,215	\$10.07	45,608	1,964,882		•	740,402	\$0.85	679	390,793	(\$0.78)	(305)	49,839
7	Large Gen-Tran	SC-3-T	2,145	712.00	1,528	1,755,626	\$3.22	5,648	671,723		•	384,473	\$0.85	327	288,186	(\$0.67)	(192)	7,310
∞	Large Gen TOU-S/P	SC-3A-S/P	932	1,666.67	1,553	2,427,576	\$11.07	26,881	1,183,102		•	375,376	\$1.02	383	518,281	(\$0.85)	(442)	28,374
6	Large Gen TOU-SubT	. SC-3A-U	692	2,088.00	1,606	3,162,266	\$4.01	12,668	1,569,672		•	696,178	\$1.02	710	483,416	(\$0.89)	(431)	14,553
10	Large Gen TOU-Tran	SC-3A-T	1,091	4,513.00	4,922	13,202,017	\$3.61	47,633	6,934,688		•	1,997,989	\$1.02	2,038	6,466,649	(\$0.84)	(5,443)	49,149
11	Lighting	SC-L	<b>3</b> 1	Same as Pres	38,814		ļ		162,276	ļ	16,640					ļ		55,454
12			19,973,048	•	436,049	50,582,718	. !	449,846	32,880,973		742,969 4,827,625	4,827,625		4,625	4,625 8,529,566		(7,080)	1,626,409
13			19,973,048			50,582,718	1		32,880,973	I			l					
7																		

Niagara Mohawk Power Corporation d/b/a National Grid Years Ending March 31, 2019-2022 Proof of Distribution Revenue at Proposed Rates-Rate Year 3

Line         Description         Includes         Annual Bills         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge				Cusi	Customer Charge	40	Den	Demand Charge	e	kWh	kWh-Based Charge	e	kV.	kVA Charges		N	NYPA kW		
SC-1C         54,888         30.00         1,647         259,947         \$0.03697         \$0.610           SC-2ND         1,648         30.00         1,647         259,947         \$0.03697         \$0.610           SC-2ND         1,380,329         21.02         29,015         259,947         \$0.03697         \$0.610           SC-2ND         1,380,329         21.02         29,015         813.14         185,344         4,153,541         -         633,207         80.85         53.8         367,270         (80.73)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)	Line		Includes	Annual Bills	Monthly Charge	Customer Chg Revenue	Billing Demand	<b>Demand</b> Charge	Demand Chg Revenue	kWh Deliveries X 1000		kWh-Based Chg Revenue		kVA Rate R	kVA kevenue	NYPA kW	Credit	Credit ]	<b>Distribution</b> <b>Revenue</b>
SC-IC         54,888         30.00         1,647         259,947         \$0.03697         9,610           SC-2-ND         1,380,329         21.02         29,015         598,109         \$0.07270         43,483         3           SC-2-ND         1,380,329         21.02         29,015         3         14,072         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.57)         (257)         (80.70)         (257)         (80.70)         (257)         (80.70)         (257)         (80.70)         (257)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.57)         (257)         (80.70)         (257)         (80.70)         (257)         (80.70)         (257)         (80.70)         (257)         (80.70)         (257)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.53)         (80.54)         (80.54)         (80.54)         (80.5	1	Residential	SC-1	17,882,312	17.00	303,999				10,965,348	\$0.06458	708,142							1,012,142
SC2-ND         1,380,329         21.02         29,015         598,109         \$0.07270         43,483         14,972         \$0.533         (8)           SC2-Dem         596,123         52.52         31,308         14,108,519         \$13.14         185,344         4,153,541         -         633,207         \$0.85         538         367,270         \$0.53)         \$0.85           SC3-B         45,513         455.00         20,709         11,388,500         \$11,34         47,152         1,964,882         -         633,207         \$0.85         538         367,270         \$0.507           SC3-A         8,945         436,00         1,138,502         \$1,044         47,252         1,964,882         -         740,402         \$0.85         538         367,270         \$0.707         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507         \$0.507 <th< td=""><th>7</th><td>Residential TOU</td><td>SC-1C</td><td>54,888</td><td>30.00</td><td>1,647</td><td></td><td></td><td></td><td>259,947</td><td>\$0.03697</td><td>9,610</td><td></td><td></td><td></td><td></td><td></td><td></td><td>11,257</td></th<>	7	Residential TOU	SC-1C	54,888	30.00	1,647				259,947	\$0.03697	9,610							11,257
SC-2-Dem         596,123         52.52         31,308         14,108,519         \$13.14         185,344         4,153,541         -         633,207         \$0.85         538         367,270         (80.53)         (8)           SC-3-S         45,513         455.00         20,709         11,398,500         \$11.84         134,970         4,417,686         -         633,207         \$0.85         538         367,270         (80.70)         (277)           SC-3-F         8,945         436,70         1,398,500         \$11.84         47,252         1,564,882         -         740,402         \$0.85         538         367,270         (80.70)         (277)           SC-3-T         1,860         1,566         8,102         1,183,102         -         344,473         \$0.85         327         288,186         \$0.60           SC-3A-SP         1,901         3,162,266         8,407         12,883         1,583,102         -         1,997,989         \$1.10         4,417,686         1,183,102         -         34,473         \$0.85         327         288,186         \$0.80         1,997,989         \$1.10         4,417,686         \$0.80         1,183,102         -         375,376         \$1.00         4,417,686         \$0.80<	Э	Small Gen No Dem	SC-2-ND	1,380,329	21.02	29,015				598,109	\$0.07270	43,483							72,497
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	4	Small Gen Demand	SC-2-Dem	596,123	52.52	31,308	14,108,519	\$13.14	185,344	4,153,541		1				14,972	(\$0.53)	(8)	216,644
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	2	Large Gen-Sec	SC-3-S	45,513	455.00	20,709	11,398,500	\$11.84	134,970	4,417,686		'	633,207	\$0.85	538	367,270	(\$0.70)	(257)	155,959
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	9	Large Gen-Pri	SC-3-P	8,945	436.70	3,906	4,528,215	\$10.44	47,252	1,964,882		•	740,402	\$0.85	679	390,793	(\$0.78)	(305)	51,482
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	7	Large Gen-Tran	SC-3-T	2,145	786.00	1,686	1,755,626	\$3.26	5,730	671,723		'	384,473	\$0.85	327	288,186	(\$0.67)	(192)	7,551
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	∞	Large Gen TOU-S/P	SC-3A-S/P	932	2,000.00	1,864	2,427,576	\$11.33	27,504	1,183,102		1	375,376	\$1.02	383	518,281	(\$0.85)	(442)	29,309
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	6	Large Gen TOU-SubT	SC-3A-U	692	2,432.00	1,871	3,162,266	\$4.07	12,883	1,569,672		•	696,178	\$1.02	710	483,416	(80.89)	(431)	15,033
SC.L Same as Pres 38,814	10	Large Gen TOU-Tran		1,091	5,020.00	5,475	13,202,017	\$3.69	48,689	6,934,688		1	1,997,989	\$1.02	2,038	6,466,649	(\$0.84)	(5,443)	50,758
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	11	Lighting	SC-L		Same as Pres	38,814				162,276		18,466							57,280
50,582,718	12			19,973,048	. '	440,294	50,582,718		462,372	32,880,973	ı	779,700	4,827,625		4,625	8,529,566			1,679,912
14	13			19,973,048	-		50,582,718			32,880,973	Ī								1,679,957
	14																		(44)

Niagara Mohawk Power Corporation d/b/a National Grid Years Ending March 31, 2019-2022 Calculation of Proposed Rates- Rate Year 4

	R	Rate Year 3 Proposed Rates	posed Rates			I	Rate Year 3 Rates Revenue	tes Revenue		
Line Rates	Customer Charge	Sustomer Distribution Charge Volumetric	NYPA Credit	RKVA	Total Revenue	Less: Customer Charge	Variable Distribution Revenue	Less: kVA Revenue	NYPA Credit	Balance
1 SC1	17.00	0.06458	•		1,012,141,508	303,999,308	708,142,199	•	ı	708,142,199
2 SC1C	30.00			1	11,256,866	1,646,638	9,610,228	1	ı	9,610,228
3 SC2ND	21.02	Ū	ı	•	72,497,028	29,014,522	43,482,507	•	ı	43,482,507
4 SC2D	52.52	13.137	(0.53286)	1	216,644,030	31,308,397	185,335,633	1	(7,978)	185,343,611
5 SC3 Sec	455.00	11.841	(0.69988)	0.85	155,959,360	20,708,545	135,250,815	538,226	(257,045)	134,969,633
6 SC3 Pri	436.70	10.435	(0.78101)	0.85	51,482,399	3,906,351	47,576,048	629,342	(305,215)	47,251,921
7 SC3 Sub	786.00		(0.66726)	0.85	7,551,179	1,686,309	5,864,870	326,802	(192,296)	5,730,364
8 SC3A Sec	2,000.00		(0.85354)	1.02	29,308,580	1,863,633	27,444,948	382,884	(442,374)	27,504,438
9 SC3A Sub	2,432.00		(0.89202)	1.02	15,032,934	1,870,976	13,161,958	710,102	(431,215)	12,883,071
10 SC3A Tran	5,020.00	3.688	(0.84178)	1.02	50,758,437	5,474,930	45,283,507	2,037,949	(5,443,480)	48,689,038
11 Lighting					57,279,923	38,814,384	18,465,539	1		18,465,539
12					1,679,912,244	440,293,993	1,239,618,252	4,625,304	(7,079,603)	(7,079,603) 1,242,072,550

Niagara Mohawk Power Corporation d/b/a National Grid Years Ending March 31, 2019-2022 Calculation of Proposed Rates-Rate Year 4

				Rate Yo	Rate Year 4 Target Revenue	evenue			
Line Rates	Proposed Delivery Revenue	Less: Customer Charge	Balance	kVA Revenue	NYPA Credit	Balance	% Proposed Rates Increase	Actual Revenue Distribution	Difference
1 SC1	1,012,141,508	303,999,308	708,142,199		1	708,142,199	0.0%	1,012,141,508	ı
2 SC1C	11,256,866	1,646,638	9,610,228	•		9,610,228	0.0%	11,256,866	ı
3 SC2ND	72,497,028	29,014,522	43,482,507	1	-	43,482,507	0.0%	72,497,028	-
4 SC2D	216,644,030	31,308,397	185,335,633	1	(7,978)	185,343,611	0.0%	216,644,030	1
5 SC3 Sec	155,959,360	20,708,545	135,250,815	538,226	(257,045)	134,969,633	0.0%	155,959,360	1
6 SC3 Pri	51,482,399	3,906,351	47,576,048	629,342	(305,215)	47,251,921	0.0%	51,482,399	ı
7 SC3 Sub	7,551,179	1,686,309	5,864,870	326,802	(192,296)	5,730,364	0.0%	7,551,179	1
8 SC3A Sec	29,308,580	1,863,633	27,444,948	382,884	(442,374)	27,504,438	0.0%	29,308,580	1
9 SC3A Sub	15,032,934	1,870,976	13,161,958	710,102	(431,215)	12,883,071	0.0%	15,032,934	ı
10 SC3A Tran	50,758,437	5,474,930	45,283,507	2,037,949	(5,443,480)	48,689,038	0.0%	50,758,437	ı
11 Lighting	57,279,923	38,814,384	18,465,539	•	-	18,465,539	0.0%	57,279,923	-
12	1,679,912,244	440,293,993	1,239,618,252	4,625,304	(7,079,603)	(7,079,603) 1,242,072,550		1,679,912,244	ı

Niagara Mohawk Power Corporation d/b/a National Grid Years Ending March 31, 2019-2022 Calculation of Proposed Rates- Rate Year 4

			Proposed Rates	Rates			Volumetric Volumetri	Volumetric			Volumetric	Volumetric
Line Rates	Customer Charge	Distribution Adder for Volumetric- NYPA Base ETIP	Adder for NYPA ETIP	<b>Distribution</b> Volumetric	NYPA Credit	RKVA	Tax	Surcredit	NET VOLUME TRIC	Units	Tax	Surcredit
1 SC1	17.00			0.06458			(0.00300)	(0.00015)	0.06143	10,965,348	(32,896,045)	(1,644,802)
2 SC1C	30.00			0.03697			(0.00172)	(0.00031)	0.03494	259,947	(447,108)	(80,583)
3 SC2ND	21.02			0.07270			(0.00409)	(0.00117)	0.06744	598,109	(2,446,265)	(699,787)
4 SC2D	52.52	13.136	0.001	13.137	(0.533)		(0.661)		12.441	14,108,519	(9,325,731)	(493,798)
5 SC3 Sec	455.00	11.818	0.023	11.841	(0.700)	0.85	(0.574)		11.214	11,398,500	(6,542,739)	(604,120)
6 SC3 Pri	436.70	10.362	0.073	10.435	(0.781)	0.85	(0.501)		9.887	4,528,215	(2,268,636)	(212,826)
7 SC3 Sub	786.00	3.158	0.106	3.264	(0.667)	0.85	(0.251)		2.993	1,755,626	(440,662)	(35,113)
8 SC3A Sec	2,000.00	11.144	0.186	11.330	(0.854)	1.02	(0.554)		10.773	2,427,576	(1,344,877)	(7,283)
9 SC3A Sub	2,432.00	3.938	0.136	4.074	(0.892)	1.02	(0.297)	(0.018)	3.759	3,162,266	(939, 193)	(56,921)
10 SC3A Tran	5,020.00	3.263	0.425	3.688	(0.842)	1.02	(0.268)		3.390	13,202,017	(3,538,141)	(396,061)
11 Lighting							(0.01232)	9		162,276	(1,999,236)	(434,899)
12										, I	(62,188,633)	(4,666,193)

Niagara Mohawk Power Corporation d/b/a National Grid Years Ending March 31, 2019-2022 Proof of Distribution Revenue at Proposed Rates-Rate Year 3

			Cus	Customer Charge		Dem	Demand Charge	e	kWh	kWh-Based Charge	e	k	kVA Charges		N	NYPA kW		
Line	Description	Includes	Annual Bills	Monthly Charge	Customer Chg Revenue	Billing Demand	Demand Charge	Demand Chg Revenue	kWh Deliveries kWh-Based X 1000 Chg		kWh-Based Chg Revenue	kVA	kVA Rate R	kVA Revenue	NYPA KW	Credit	Credit 1	<b>Distribution</b> Revenue
1 R	Residential	SC-1	17,882,312	17.00	303,999				10,965,348	\$0.06458	708,142							1,012,142
2 R	Residential TOU	SC-1C	54,888	30.00	1,647				259,947	\$0.03697	9,610							11,257
3 S	Small Gen No Dem	SC-2-ND	1,380,329	21.02	29,015				598,109	\$0.07270	43,483							72,497
4 S	Small Gen Demand	SC-2-Dem	596,123	52.52	31,308	14,108,519	\$13.14	185,344	4,153,541		•				14,972	(\$0.53)	(8)	216,644
5 L	Large Gen-Sec	SC-3-S	45,513	455.00	20,709	11,398,500	\$11.84	134,970	4,417,686		•	633,207	\$0.85	538	367,270	(\$0.70)	(257)	155,959
6 L	Large Gen-Pri	SC-3-P	8,945	436.70	3,906	4,528,215	\$10.44	47,252	1,964,882		•	740,402	\$0.85	679	390,793	(\$0.78)	(305)	51,482
7 L	Large Gen-Tran	SC-3-T	2,145	786.00	1,686	1,755,626	\$3.26	5,730	671,723		1	384,473	\$0.85	327	288,186	(\$0.67)	(192)	7,551
8 L	Large Gen TOU-S/P	SC-3A-S/P	932	2,000.00	1,864	2,427,576	\$11.33	27,504	1,183,102		•	375,376	\$1.02	383	518,281	(\$0.85)	(442)	29,309
9 L	Large Gen TOU-SubT	SC-3A-U	692	2,432.00	1,871	3,162,266	\$4.07	12,883	1,569,672		•	696,178	• .	710	483,416	(80.89)	(431)	15,033
10 L	Large Gen TOU-Tran	SC-3A-T	1,091	5,020.00	5,475	13,202,017	\$3.69	48,689	6,934,688		•	1,997,989	• .	2,038	6,466,649	(\$0.84)	(5,443)	50,758
11 E	Lighting	SC-L		Same as Pres	38,814				162,276		18,466							57,280
12			19,973,048	. "	440,294	50,582,718	ı (	462,372	32,880,973	ı <b>II</b>	779,700	779,700 4,827,625		4,625	4,625 8,529,566		(7,080)	1,679,912
13			19,973,048			50,582,718			32,880,973									1,679,912
-																		

Case 17-E-0238
Appendix 2
Schedule 3.4C
Page 1 of 1

Niggara Mohawk Power Corporation d/b/a National Grid Years Ending March 31, 2019-2022 Rate Year 4 Billing Units X Rate Year 3 Rates (\$000s)

			Cust	Customer Charge	a	Den	Demand Charge	j.	kWh-	kWh-Based Charge	ge	K	kVA Charges		N	NYPA kW		
Line	Description	Includes	Annual Bills	Monthly Charge	Customer Chg Revenue	Billing Demand	Demand Charge	Demand Chg Revenue	kWh Deliveries kWh-Based X 1000 Chg		kWh-Based Chg Revenue	kVA	kVA Rate	kVA Revenue	NYPA kW	Credit	Credit	<b>Distribution</b> <b>Revenue</b>
_	Residential	SC-1	17,882,312	17.00	303,999				10,965,348	\$0.06458	708,142							1,012,142
2	Residential TOU	SC-1C	54,888	30.00	1,647				259,947	\$0.03697	9,610							11,257
Э	Small Gen No Dem	SC-2-ND	1,380,329	21.02					598,109	\$0.07270	43,483							72,497
4	Small Gen Demand	SC-2-Dem	596,123	52.52	31,308	14,108,519	\$13.14	185,344	4,153,541		•				14,972	(\$0.53)	(8)	216,644
5	Large Gen-Sec	SC-3-S	45,513	455.00	20,709	11,398,500	\$11.84	134,970	4,417,686		•	633,207	\$0.85	538	367,270	(80.70)	(257)	155,959
9	Large Gen-Pri	SC-3-P	8,945	436.70	3,906	4,528,215	\$10.44	47,252	1,964,882		•	740,402	\$0.85	679	390,793	(\$0.78)	(305)	51,482
7	Large Gen-Tran	SC-3-T	2,145	786.00	1,686	1,755,626	\$3.26	5,730	671,723		•	384,473	\$0.85	327	288,186	(\$0.67)	(192)	7,551
∞	Large Gen TOU-S/P	SC-3A-S/P	932	2,000.00	1,864	2,427,576	\$11.33	27,504	1,183,102		•	375,376	\$1.02	383	518,281	(\$0.85)	(442)	29,309
6	Large Gen TOU-SubT	SC-3A-U	692	2,432.00	1,871	3,162,266	\$4.07	12,883	1,569,672		•	696,178	\$1.02	710	483,416	(80.89)	(431)	15,033
10	Large Gen TOU-Tran	SC-3A-T	1,091	5,020.00	5,475	13,202,017	\$3.69	48,689	6,934,688		•	1,997,989	\$1.02	2,038	6,466,649	(\$0.84)	(5,443)	50,758
11	Lighting	SC-L	<b>V</b> 1	Same as Pres	38,814				162,276		18,466							57,280
12			19,973,048	!	440,294	50,582,718		462,372	32,880,973		779,700 4,827,625	4,827,625		4,625	4,625 8,529,566		(7,080)	(7,080) 1,679,912
13			19,973,048			50,582,718			32,880,973									
14																		

Niagara Mohawk Power Corporation d/b/a National Grid Rate Plan Years Ending March 31, 2019-2022 Surcredits

		Def	Deferral Balances	ses	Rate Y	ate Year 1 Surcredit	redit	Rate Y	Rate Year 2 Surcredit	edit	Rate Y	Rate Year 3 Surcredit	edit	Rate Y	Rate Year 4 Surcredit	redit
Line	Description	Deferral Balance	Delivery Margin at Present Rates	Portion of Delivery Margin	Year 1 Portion	Year 1 Adjust- ment	Surcredit	Year 2 Portion	Year 2 Adjust- ment	Surcredit	Year 3 Portion	Year 3 Adjust- ment	Surcredit	Year 4 Portion	Year 4 Adjust- ment	Surcredit
1 Residential	ential	(124,699)	844,201	62.2%	(83,133)	9,133	(74,000)	(32,837)	(5,163)	(38,000)	(8,729)	(2,271)	(11,000)	(1,699)	(0)	(1,699)
2 Resid	Residential TOU	(1,628)	11,019	%8.0	(1,085)	267	(818)	(429)	(101)	(530)	(114)	(98)	(200)	(80)	0	(80)
3 Small	Small Gen No Dem	(9,535)	64,552	4.8%	(6,357)	1,922	(4,435)	(2,511)	(489)	(3,000)	(299)	(733)	(1,400)	(700)	0	(700)
4 Small	Small Gen Demand	(26,513)	179,491	13.2%	(17,675)	1,262	(16,413)	(6,982)	(1,018)	(8,000)	(1,856)	256	(1,600)	(500)	0	(500)
5 Large	Large Gen-Sec	(18,750)	126,933	9.4%	(12,500)	2,100	(10,400)	(4,937)	(763)	(5,700)	(1,312)	(738)	(2,050)	(009)	0	(009)
6 Large	Large Gen-Pri	(6,134)	41,529	3.1%	(4,090)	290	(3,500)	(1,615)	(155)	(1,770)	(429)	(221)	(650)	(214)	0	(214)
7 Large	Jarge Gen-Tran	(955)	6,463	0.5%	(636)	96	(540)	(251)	(29)	(280)	(67)	(33)	(100)	(35)	0	(35)
8 Large	Large Gen TOU-S/P	(3,583)	24,259	1.8%	(2,389)	189	(2,200)	(944)	(156)	(1,100)	(251)	(24)	(275)	8	0	8
9 Large	Large Gen TOU-SubT	(1,993)	13,490	1.0%	(1,328)	428	(006)	(525)	(150)	(675)	(139)	(221)	(360)	(58)	0	(58)
10 Large	Large Gen TOU-Tran	(6,610)	44,752	3.3%	(4,407)	(453)	(4,860)	(1,741)	1,241	(500)	(463)	(387)	(820)	(400)	0	(400)
11 Lighting	ing		53,440		•	1,150	1,150	1	260	260	1	(975)	(975)	(435)	•	(435)
12		(200,400) 1,410,132	1,410,132	100.0%	(133,600)	16,684	(116,916)	(52,772)	(6,523)	(59,295)	(14,028)	(5,432)	(19,460)	(4,729)	(0)	(4,729)
13	_				%2999			26.33%			7.00%					
14 Withc	Without Lighting		1,356,691													
	Total Deferral	(267.200)														
	Rate Case %	75.0%														
18 Rate (	Rate Case Deferral	(200,400)														
19																
20																

# Niagara Mohawk Power Corporation d/b/a National Grid Years Ending March 31, 2019-2022 Voluntary TOU Rates For SC1

Sch. 3.6

Line	Test Year		FY 19
Total SC-1 Revenue Requirement		S	987,732,829
SC-1 Revenue target		S	965,189,659
% revenue requirement from final rev allocation			%L'.L6
Demand-related charges from Revenue Requirement		S	525,238,298
% revenue requirement from final rev allocation			97.7%
Demand related charges in revenue allocation		<b>↔</b>	513,250,708
% of demand-related charges to ECOS Rev Req			53.2%
3 SC-1 Rev allocation from final rate design		S	965,189,659
1 Less:			
2 Customer charge, Proposed		S	302,255,401
3 Merchant Function charge, Proposed			17,723,877
4 Demand related charges, Portion of total	Line 10 X Line 8		513,250,708
Non-Demand related charges, All kWh		S	131,959,673
9			
7 SC-1 Total kWh			11,965,519,555
3 \$/kWh rate to be collected over all hours	Line 15 / Line 17	65)	0.01103
20 SC-1 On-Peak kWh % of Total	72.82%		8,713,457,737
21 \$/kWh adder to be collected during on pk hrs	Line 14 / Line 20	65)	0.05890
2			
23 Voluntary TOU off-peak \$/kWh delivery rate		89	0.01103
Voluntary TOU on-pk S/kWh delivery rate		6	00000

### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS ${\bf SC1\text{-}RESIDENTIAL}$

Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Current

		Delive	ry			Comm	odity			Total		
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
100	\$22.96	\$23.35	\$0.39	1.70%	\$4.38	\$4.35	(\$0.03)	-0.68%	\$27.34	\$27.70	\$0.36	1.32%
200	\$28.39	\$29.18	\$0.79	2.78%	\$8.76	\$8.71	(\$0.05)	-0.57%	\$37.15	\$37.89	\$0.74	1.99%
300	\$33.83	\$35.01	\$1.18	3.49%	\$13.13	\$13.06	(\$0.07)	-0.53%	\$46.96	\$48.07	\$1.11	2.36%
400	\$39.26	\$40.84	\$1.58	4.02%	\$17.51	\$17.42	(\$0.09)	-0.51%	\$56.77	\$58.26	\$1.49	2.62%
500	\$44.70	\$46.67	\$1.97	4.41%	\$21.89	\$21.77	(\$0.12)	-0.55%	\$66.59	\$68.44	\$1.85	2.78%
600	\$50.13	\$52.50	\$2.37	4.73%	\$26.27	\$26.12	(\$0.15)	-0.57%	\$76.40	\$78.62	\$2.22	2.91%
700	\$55.57	\$58.33	\$2.76	4.97%	\$30.64	\$30.48	(\$0.16)	-0.52%	\$86.21	\$88.81	\$2.60	3.02%
800	\$61.00	\$64.16	\$3.16	5.18%	\$35.02	\$34.83	(\$0.19)	-0.54%	\$96.02	\$98.99	\$2.97	3.09%
900	\$66.44	\$69.98	\$3.54	5.33%	\$39.40	\$39.19	(\$0.21)	-0.53%	\$105.84	\$109.17	\$3.33	3.15%
1,000	\$71.87	\$75.81	\$3.94	5.48%	\$43.78	\$43.54	(\$0.24)	-0.55%	\$115.65	\$119.35	\$3.70	3.20%
1,100	\$77.31	\$81.64	\$4.33	5.60%	\$48.15	\$47.89	(\$0.26)	-0.54%	\$125.46	\$129.53	\$4.07	3.24%
1,200	\$82.74	\$87.47	\$4.73	5.72%	\$52.53	\$52.25	(\$0.28)	-0.53%	\$135.27	\$139.72	\$4.45	3.29%
1,300	\$88.18	\$93.30	\$5.12	5.81%	\$56.91	\$56.60	(\$0.31)	-0.54%	\$145.09	\$149.90	\$4.81	3.32%
1,400	\$93.61	\$99.13	\$5.52	5.90%	\$61.29	\$60.96	(\$0.33)	-0.54%	\$154.90	\$160.09	\$5.19	3.35%
1,500	\$99.04	\$104.96	\$5.92	5.98%	\$65.66	\$65.31	(\$0.35)	-0.53%	\$164.70	\$170.27	\$5.57	3.38%
1,600	\$104.48	\$110.78	\$6.30	6.03%	\$70.04	\$69.66	(\$0.38)	-0.54%	\$174.52	\$180.44	\$5.92	3.39%
1,700	\$109.91	\$116.61	\$6.70	6.10%	\$74.42	\$74.02	(\$0.40)	-0.54%	\$184.33	\$190.63	\$6.30	3.42%
1,800	\$115.35	\$122.44	\$7.09	6.15%	\$78.80	\$78.37	(\$0.43)	-0.55%	\$194.15	\$200.81	\$6.66	3.43%
1,900	\$120.78	\$128.27	\$7.49	6.20%	\$83.17	\$82.73	(\$0.44)	-0.53%	\$203.95	\$211.00	\$7.05	3.46%
2,000	\$126.22	\$134.10	\$7.88	6.24%	\$87.55	\$87.08	(\$0.47)	-0.54%	\$213.77	\$221.18	\$7.41	3.47%
2,200	\$137.09	\$145.76	\$8.67	6.32%	\$96.31	\$95.79	(\$0.52)	-0.54%	\$233.40	\$241.55	\$8.15	3.49%
2,400	\$147.96	\$157.41	\$9.45	6.39%	\$105.06	\$104.50	(\$0.56)	-0.53%	\$253.02	\$261.91	\$8.89	3.51%
2,600	\$158.82	\$169.07	\$10.25	6.45%	\$113.82	\$113.21	(\$0.61)	-0.54%	\$272.64	\$282.28	\$9.64	3.54%
2,800	\$169.69	\$180.73	\$11.04	6.51%	\$122.57	\$121.91	(\$0.66)	-0.54%	\$292.26	\$302.64	\$10.38	3.55%
3,000	\$180.56	\$192.39	\$11.83	6.55%	\$131.33	\$130.62	(\$0.71)	-0.54%	\$311.89	\$323.01	\$11.12	3.57%
3,200	\$191.43	\$204.04	\$12.61	6.59%	\$140.08	\$139.33	(\$0.75)	-0.54%	\$331.51	\$343.37	\$11.86	3.58%
3,400	\$202.30	\$215.70	\$13.40	6.62%	\$148.84	\$148.04	(\$0.80)	-0.54%	\$351.14	\$363.74	\$12.60	3.59%
3,600	\$213.17	\$227.36	\$14.19	6.66%	\$157.59	\$156.75	(\$0.84)	-0.53%	\$370.76	\$384.11	\$13.35	3.60%
3,800	\$224.04	\$239.01	\$14.97	6.68%	\$166.35	\$165.45	(\$0.90)	-0.54%	\$390.39	\$404.46	\$14.07	3.60%
4,000	\$234.91	\$250.67	\$15.76	6.71%	\$175.10	\$174.16	(\$0.94)	-0.54%	\$410.01	\$424.83	\$14.82	3.61%

<u>Current</u>			<u>Proposed</u>		
Customer Charge		\$17.00	Customer Charge		\$17.00
T&D Energy Charge	kWh x	\$0.04758	T&D Energy Charge	kWh x	\$0.05044
Revenue Decoupling Mechanism	kWh x	\$0.00000	Revenue Decoupling Mechanism	kWh x	\$0.00000
Legacy Transition Charge	kWh x	\$0.001162	Legacy Transition Charge	kWh x	\$0.001162
Electricity Supply Rate Mechanism	kWh x	\$0.003310	Electricity Supply Rate Mechanism	kWh x	\$0.003310
Commodity Energy Charge	kWh x	\$0.03455	Commodity Energy Charge	kWh x	\$0.03455
Transmission Revenue Adjustment Charge	kWh x	(\$0.00369)	Transmission Revenue Adjustment Charge	kWh x	(\$0.00092)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007511	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment	kWh x	\$0.000000	Incremental State Assessment	kWh x	\$0.000000
Merchant Function Charge	kWh x	\$0.00218	Merchant Function Charge	kWh x	\$0.00195
DLM Surcharge	kWh x	\$0.00016	DLM Surcharge	kWh x	\$0.00016
CES Supply Charge	kWh x	\$0.00330	CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9700	Delivery	Bill /	0.9700

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GRT. Commodity includes the Commodity Energy charge, Electricity Supply Rate Mechanism, Merchant Function Charge, CES Supply Charge and Commodity GRT.

### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID

### TYPICAL BILL IMPACTS SC-1C RESIDENTIAL Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Curren

On-Pea	ak		Delive	ry			Comn	nodity			Tot	tal	
Wh UsagePer	rcentage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
Ü			•						Ü		•		
500	7%	\$50.19	\$49.86	(\$0.33)	-0.66%	\$20.40	\$20.28	(\$0.12)	-0.59%	\$70.59	\$70.14	(\$0.45)	-0.64%
600	7%	\$54.05	\$53.65	(\$0.40)	-0.74%	\$24.48	\$24.34	(\$0.14)	-0.57%	\$78.53	\$77.99	(\$0.54)	-0.69%
700	7%	\$57.90	\$57.43	(\$0.47)	-0.81%	\$28.56	\$28.39	(\$0.17)	-0.60%	\$86.46	\$85.82	(\$0.64)	-0.74%
800	7%	\$61.75	\$61.22	(60.52)	-0.86%	\$32.64	\$32.45	(\$0.19)	-0.58%	\$94.39	\$93.67	(\$0.72)	-0.76%
900	7%	\$65.60	\$65.01	(\$0.53) (\$0.59)	-0.86%	\$36.72	\$36.51	(\$0.19)	-0.57%	\$102.32	\$101.52	(\$0.72)	-0.78%
1,000	7%	\$69.46	\$68.79	(\$0.67)	-0.96%	\$40.80	\$40.56	(\$0.24)	-0.59%	\$110.26	\$109.35	(\$0.91)	-0.83%
1,100	7%	\$73.31	\$72.58	(\$0.73)	-1.00%	\$44.88	\$44.62	(\$0.26)	-0.58%	\$118.19	\$117.20	(\$0.99)	-0.84%
1,200	7%	\$77.16	\$76.36	(\$0.80)	-1.04%	\$48.96	\$48.68	(\$0.28)	-0.57%	\$126.12	\$125.04	(\$1.08)	-0.86%
1,300	7%	\$81.02	\$80.15	(\$0.87)	-1.07%	\$53.04	\$52.73	(\$0.31)	-0.58%	\$134.06	\$132.88	(\$1.18)	-0.88%
1,400	7%	\$84.87	\$83.94	(\$0.93)	-1.10%	\$57.12	\$56.79	(\$0.33)	-0.58%	\$141.99	\$140.73	(\$1.26)	-0.89%
1,500	7%	\$88.72	\$87.72	(\$1.00)	-1.13%	\$61.20	\$60.85	(\$0.35)	-0.57%	\$149.92	\$148.57	(\$1.35)	-0.90%
1,600	7%	\$92.57	\$91.51	(\$1.06)	-1.15%	\$65.28	\$64.90	(\$0.38)	-0.58%	\$157.85	\$156.41	(\$1.44)	-0.91%
1,000	/ /0	\$92.37	391.31	(\$1.00)	-1.1370	303.28	\$04.90	(30.36)	-0.5676	\$137.63	\$130.41	(\$1.44)	-0.9176
1,700	7%	\$96.43	\$95.30	(\$1.13)	-1.17%	\$69.36	\$68.96	(\$0.40)	-0.58%	\$165.79	\$164.26	(\$1.53)	-0.92%
1,800	7%	\$100.28	\$99.08	(\$1.20)	-1.20%	\$73.44	\$73.01	(\$0.43)	-0.59%	\$173.72	\$172.09	(\$1.63)	-0.94%
1,900	7%	\$104.13	\$102.87	(\$1.26)	-1.21%	\$77.52	\$77.07	(\$0.45)	-0.58%	\$181.65	\$179.94	(\$1.71)	-0.94%
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2,000	7%	\$107.99	\$106.66	(\$1.33)	-1.23%	\$81.60	\$81.13	(\$0.47)	-0.58%	\$189.59	\$187.79	(\$1.80)	-0.95%
2,100	7%	\$111.84	\$110.44	(\$1.40)	-1.25%	\$85.68	\$85.18	(\$0.50)	-0.58%	\$197.52	\$195.62	(\$1.90)	-0.96%
2,200	7%	\$115.69	\$114.23	(\$1.46)	-1.26%	\$89.76	\$89.24	(\$0.52)	-0.58%	\$205.45	\$203.47	(\$1.98)	-0.96%
2,300	7%	\$119.54	\$118.01	(\$1.53)	-1.28%	\$93.84	\$93.30	(\$0.54)	-0.58%	\$213.38	\$211.31	(\$2.07)	-0.97%
2,400	7%	\$123.40	\$121.80	(\$1.60)	-1.30%	\$97.92	\$97.35	(\$0.57)	-0.58%	\$221.32	\$219.15	(\$2.17)	-0.98%
2,500	7%	\$127.25	\$125.59	(\$1.66)	-1.30%	\$102.00	\$101.41	(\$0.59)	-0.58%	\$229.25	\$227.00	(\$2.25)	-0.98%
_,		********	****	(41100)			*******	(44.67)				(====)	
2,600	7%	\$131.10	\$129.37	(\$1.73)	-1.32%	\$106.08	\$105.47	(\$0.61)	-0.58%	\$237.18	\$234.84	(\$2.34)	-0.99%
2,700	7%	\$134.96	\$133.16	(\$1.80)	-1.33%	\$110.16	\$109.52	(\$0.64)	-0.58%	\$245.12	\$242.68	(\$2.44)	-1.00%
2,800	7%	\$138.81	\$136.95	(\$1.86)	-1.34%	\$114.24	\$113.58	(\$0.66)	-0.58%	\$253.05	\$250.53	(\$2.52)	-1.00%
2,900	7%	\$142.66	\$140.73	(\$1.93)	-1.35%	\$118.32	\$117.63	(\$0.69)	-0.58%	\$260.98	\$258.36	(\$2.62)	-1.00%
3,000	7%	\$146.51	\$144.52	(\$1.99)	-1.36%	\$122.40	\$121.69	(\$0.71)	-0.58%	\$268.91	\$266.21	(\$2.70)	-1.00%
3,100	7%	\$150.37	\$148.31	(\$2.06)	-1.37%	\$126.48	\$125.75	(\$0.71)	-0.58%	\$276.85	\$274.06	(\$2.79)	-1.00%
3,100	7.70	\$150.57	\$140.51	(32.00)	-1.57/0	3120.46	\$123.73	(30.73)	-0.5670	\$270.83	3274.00	(32.79)	-1.01/0
3,200	7%	\$154.22	\$152.09	(\$2.13)	-1.38%	\$130.56	\$129.80	(\$0.76)	-0.58%	\$284.78	\$281.89	(\$2.89)	-1.01%
3,300	7%	\$158.07	\$155.88	(\$2.19)	-1.39%	\$134.64	\$133.86	(\$0.78)	-0.58%	\$292.71	\$289.74	(\$2.97)	-1.01%
3,400	7%	\$161.93	\$159.66	(\$2.27)	-1.40%	\$138.72	\$137.92	(\$0.80)	-0.58%	\$300.65	\$297.58	(\$3.07)	-1.02%
3,500	7%	\$165.78	\$163.45	(\$2.33)	-1.41%	\$142.80	\$141.97	(\$0.83)	-0.58%	\$308.58	\$305.42	(\$3.16)	-1.02%
3,600	7%	\$169.63	\$167.24	(\$2.39)	-1.41%	\$146.87	\$146.03	(\$0.84)	-0.57%	\$316.50	\$313.27	(\$3.23)	-1.02%
3,700	7%	\$173.48	\$171.02	(\$2.46)	-1.42%	\$150.95	\$150.09	(\$0.86)	-0.57%	\$324.43	\$321.11	(\$3.32)	-1.02%
3,900	7%	\$181.19	\$178.60	(\$2.59)	-1.43%	\$159.11	\$158.20	(\$0.91)	-0.57%	\$340.30	\$336.80	(\$3.50)	-1.03%
4,200	7%	\$192.75	\$189.96	(\$2.79)	-1.45%	\$171.35	\$170.37	(\$0.98)	-0.57%	\$364.10	\$360.33	(\$3.77)	-1.04%
4,500	7%	\$204.31	\$201.32	(\$2.99)	-1.46%	\$183.59	\$182.54	(\$1.05)	-0.57%	\$387.90	\$383.86	(\$4.04)	-1.04%

Current				<u>Proposed</u>		
Customer Charge			\$30.00	Customer Charge		\$30.00
T&D Energy Charge		kWh x	\$0.03140	T&D Energy Charge	kWh x	\$0.03042
Revenue Decoupling Mechanism	1	kWh x	\$0.00000	Revenue Decoupling Mechanisn	kWh x	\$0.00000
Legacy Transition Charge		kWh x	\$0.001162	Legacy Transition Charge	kWh x	\$0.001162
Commodity On Peak	7%	kWh x	\$0.05238	Commodity On Peak	kWh x	\$0.05238
Commodity Shoulder Peal	12%	kWh x	\$0.04513	Commodity Shoulder Peak	kWh x	\$0.04513
Commodity Off Peak	81%	kWh x	\$0.03189	Commodity Off Peak	kWh x	\$0.03189
Transmission Revenue Adjustm	ent Charg	kWh x	(\$0.00286)	Transmission Revenue Adjustment Charge	kWh x	(\$0.00071)
Systems Benefits Charge (SBC/	CES)	kWh x	\$0.007511	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment S	urcharge	kWh x	\$0.000000	Incremental State Assessment Surcharge	kWh x	\$0.000000
Merchant Function Charge		kWh x	\$0.00218	Merchant Function Charge	kWh x	\$0.00195
DLM Surcharge		kWh x	\$0.00016	DLM Surcharge	kWh x	\$0.00016
CES Supply Charge		kWh x	\$0.00330	CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge		kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax				Gross Receipts Tax		
Commodity		Bill /	0.9900	Commodity	Bill /	0.9900
Delivery		Bill /	0.9700	Delivery	Bill /	0.9700

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GI Commodity includes the Commodity Energy chargeMerchant Function Charge, CES Supply Charge and Commodity GRT

### NIAGARA MOHAWK POWER CORPORATION d'b/a NATIONAL GRID TYPICAL BILL IMPACTS SC2-SMALL GENERAL SERVICE (UNMETERED DEMAND Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Curren

		Del	ivery			Comm	odity			Tot	tal	
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
150	\$30.58	\$30.57	(\$0.01)	-0.03%	\$6.85	\$6.82	(\$0.03)	-0.44%	\$37.43	\$37.39	(\$0.04)	-0.11%
250	\$36.81	\$36.80	(\$0.01)	-0.03%	\$11.42	\$11.36	(\$0.06)	-0.53%	\$48.23	\$48.16	(\$0.07)	-0.15%
350	\$43.04	\$43.03	(\$0.01)	-0.02%	\$15.99	\$15.90	(\$0.09)	-0.56%	\$59.03	\$58.93	(\$0.10)	-0.17%
450	\$49.27	\$49.26	(\$0.01)	-0.02%	\$20.55	\$20.45	(\$0.10)	-0.49%	\$69.82	\$69.71	(\$0.11)	-0.16%
550	\$55.50	\$55.49	(\$0.01)	-0.02%	\$25.12	\$24.99	(\$0.13)	-0.52%	\$80.62	\$80.48	(\$0.14)	-0.17%
650	\$61.73	\$61.71	(\$0.02)	-0.03%	\$29.69	\$29.54	(\$0.15)	-0.51%	\$91.42	\$91.25	(\$0.17)	-0.19%
750	\$67.96	\$67.94	(\$0.02)	-0.03%	\$34.26	\$34.08	(\$0.18)	-0.53%	\$102.22	\$102.02	(\$0.20)	-0.20%
850	\$74.19	\$74.17	(\$0.02)	-0.03%	\$38.82	\$38.62	(\$0.20)	-0.52%	\$113.01	\$112.79	(\$0.22)	-0.19%
950	\$80.42	\$80.40	(\$0.02)	-0.02%	\$43.39	\$43.17	(\$0.22)	-0.51%	\$123.81	\$123.57	(\$0.24)	-0.19%
1,050	\$86.65	\$86.63	(\$0.02)	-0.02%	\$47.96	\$47.71	(\$0.25)	-0.52%	\$134.61	\$134.34	(\$0.27)	-0.20%
1,150	\$92.88	\$92.86	(\$0.02)	-0.02%	\$52.53	\$52.26	(\$0.27)	-0.51%	\$145.41	\$145.12	(\$0.29)	-0.20%
1,250	\$99.11	\$99.08	(\$0.03)	-0.03%	\$57.09	\$56.80	(\$0.29)	-0.51%	\$156.20	\$155.88	(\$0.32)	-0.20%
1,350	\$105.34	\$105.31	(\$0.03)	-0.03%	\$61.66	\$61.34	(\$0.32)	-0.52%	\$167.00	\$166.65	(\$0.35)	-0.21%
1,450	\$111.57	\$111.54	(\$0.03)	-0.03%	\$66.23	\$65.89	(\$0.34)	-0.51%	\$177.80	\$177.43	(\$0.37)	-0.21%
1,550	\$117.79	\$117.77	(\$0.02)	-0.02%	\$70.80	\$70.43	(\$0.37)	-0.52%	\$188.59	\$188.20	(\$0.39)	-0.21%
1,650	\$124.02	\$124.00	(\$0.02)	-0.02%	\$75.36	\$74.97	(\$0.39)	-0.52%	\$199.38	\$198.97	(\$0.41)	-0.21%
1,750	\$130.25	\$130.22	(\$0.03)	-0.02%	\$79.93	\$79.52	(\$0.41)	-0.51%	\$210.18	\$209.74	(\$0.44)	-0.21%
1,850	\$136.48	\$136.45	(\$0.03)	-0.02%	\$84.50	\$84.06	(\$0.44)	-0.52%	\$220.98	\$220.51	(\$0.47)	-0.21%
1,950	\$142.71	\$142.68	(\$0.03)	-0.02%	\$89.06	\$88.61	(\$0.45)	-0.51%	\$231.77	\$231.29	(\$0.48)	-0.21%
2.050	\$148 94	\$148.91	(\$0.03)	-0.02%	\$93.63	\$93.15	(\$0.48)	-0.51%	\$242.57	\$242.06	(\$0.51)	-0.21%

Current			<u>Proposed</u>		
Customer Charge		\$21.02	Customer Charge		\$21.02
T&D Energy Charge	kWh x	\$0.05696	T&D Energy Charge	kWh x	\$0.05567
Revenue Decoupling Mechanism	kWh x	\$0.00000	Revenue Decoupling Mechanism	kWh x	\$0.00000
Legacy Transition Charge	kWh x	\$0.001162	Legacy Transition Charge	kWh x	\$0.001162
Electricity Supply Rate Mechanism	kWh x	\$0.003310	Electricity Supply Rate Mechanisn	kWh x	\$0.003310
Commodity Energy Charge	kWh x	\$0.03643	Commodity Energy Charge	kWh x	\$0.03643
Transmission Revenue Adjustment Charge	kWh x	(\$0.00411)	Transmission Revenue Adjustment Charge	kWh x	(\$0.00103)
Systems Benefits Charge (CES/EES)	kWh x	\$0.007511	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00218	Merchant Function Charge	kWh x	\$0.00195
Incremental State Assessment Surcharge	kWh x	\$0.00000	Incremental State Assessment Surcharge	kWh x	\$0.00000
DLM Surcharge	kWh x	\$0.00016	DLM Surcharge	kWh x	\$0.00016
CES Supply Charge	kWh x	\$0.00330	CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GI Commodity includes the Commodity Energy charge, Electricity Supply Rate Mechanism, Merchant Function Charge, CES Supply Charge and Commodity GI

### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC2-SMALL GENERAL SERVICE (METERED DEMAND) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Current

			Delive				Comm				Tota		
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
1,008	7.0	\$131.62	\$134.57	\$2.95	2.24%	\$39.63	\$39.72	\$0.09	0.23%	\$171.25	\$174.29	\$3.04	1.78%
1,512	7.0	\$134.44	\$137.66	\$3.22	2.40%	\$59.44	\$59.58	\$0.14	0.24%	\$193.88	\$197.24	\$3.36	1.73%
2,016	7.0	\$137.27	\$140.76	\$3.49	2.54%	\$79.25	\$79.44	\$0.19	0.24%	\$216.52	\$220.20	\$3.68	1.70%
2,520	7.0	\$140.09	\$143.86	\$3.77	2.69%	\$99.06	\$99.30	\$0.24	0.24%	\$239.15	\$243.16	\$4.01	1.68%
2,160	15.0	\$221.41	\$227.73	\$6.32	2.85%	\$84.91	\$85.11	\$0.20	0.24%	\$306.32	\$312.84	\$6.52	2.13%
3,240	15.0	\$227.46	\$234.36	\$6.90	3.03%	\$127.37	\$127.67	\$0.30	0.24%	\$354.83	\$362.03	\$7.20	2.03%
4,320	15.0	\$233.52	\$241.00	\$7.48	3.20%	\$169.82	\$170.22	\$0.40	0.24%	\$403.34	\$411.22	\$7.88	1.95%
5,400	15.0	\$239.57	\$247.63	\$8.06	3.36%	\$212.28	\$212.78	\$0.50	0.24%	\$451.85	\$460.41	\$8.56	1.89%
3,600	25.0	\$333.65	\$344.18	\$10.53	3.16%	\$141.52	\$141.85	\$0.33	0.23%	\$475.17	\$486.03	\$10.86	2.29%
5,400	25.0	\$343.74	\$355.24	\$11.50	3.35%	\$212.28	\$212.78	\$0.50	0.24%	\$556.02	\$568.02	\$12.00	2.16%
7.000	25.0	\$352.71	\$365.07	\$12.36	3.50%	\$275.17	\$275.82	\$0.65	0.24%	\$627.88	\$640.89	\$13.01	2.07%
9,000	25.0	\$363.92	\$377.36	\$13.44	3.69%	\$353.80	\$354.63	\$0.83	0.23%	\$717.72	\$731.99	\$14.27	1.99%
5.760	40.0	\$502.01	\$518.85	\$16.84	3.35%	\$226.43	\$226.96	\$0.53	0.23%	\$728.44	\$745.81	\$17.37	2.38%
8,640	40.0	\$518.15	\$536.55	\$18.40	3.55%	\$339.64	\$340.45	\$0.81	0.24%	\$857.79	\$877.00	\$19.21	2.24%
11,520	40.0	\$534.29	\$554.25	\$19.96	3.74%	\$452.86	\$453.93	\$1.07	0.24%	\$987.15	\$1,008.18	\$21.03	2.13%
14,400	40.0	\$550.43	\$571.94	\$21.51	3.91%	\$566.07	\$567.41	\$1.34	0.24%	\$1,116.50	\$1,139.35	\$22.85	2.05%
8,640	60.0	\$726.49	\$751.76	\$25.27	3.48%	\$339.64	\$340.45	\$0.81	0.24%	\$1.066.13	\$1.092.21	\$26.08	2.45%
12,960	60.0	\$750.70	\$778.30	\$27.60	3.68%	\$509.47	\$510.67	\$1.20	0.24%	\$1,260.17	\$1,288.97	\$28.80	2.29%
17,280	60.0	\$774.91	\$804.84	\$29.93	3.86%	\$679.29	\$680.89	\$1.60	0.24%	\$1,454.20	\$1,485.73	\$31.53	2.17%
21,600	60.0	\$799.13	\$831.39	\$32.26	4.04%	\$849.11	\$851.12	\$2.01	0.24%	\$1,648.24	\$1,682.51	\$34.27	2.08%
11,520	80.0	\$950.97	\$984.66	\$33.69	3.54%	\$452.86	\$453.93	\$1.07	0.24%	\$1,403.83	\$1.438.59	\$34.76	2.48%
17,280	80.0	\$983.25	\$1.020.05	\$36.80	3.74%	\$679.29	\$680.89	\$1.60	0.24%	\$1,662.54	\$1,700.94	\$38.40	2.31%
23,040	80.0	\$1.015.54	\$1.055.44	\$39.90	3.93%	\$905.72	\$907.86	\$2.14	0.24%	\$1,921.26	\$1.963.30	\$42.04	2.19%
28,800	80.0	\$1,047.82	\$1,090.83	\$43.01	4.10%	\$1,132.15	\$1,134.82	\$2.67	0.24%	\$2,179.97	\$2,225.65	\$45.68	2.10%
14.400	100.0	\$1.175.45	\$1.217.56	\$42.11	3.58%	\$566.07	\$567.41	\$1.34	0.24%	\$1.741.52	\$1.784.97	\$43.45	2.49%
21,600	100.0	\$1,175.45	\$1,261.80	\$46.00	3.78%	\$849.11	\$851.12	\$2.01	0.24%	\$2.064.91	\$2,112.92	\$48.01	2.33%
28.800	100.0	\$1,256.16	\$1,201.80	\$49.88	3.97%	\$1.132.15	\$1.134.82	\$2.67	0.24%	\$2,388.31	\$2,440.86	\$52.55	2.20%
36.000	100.0	\$1,296.51	\$1,350.28	\$53.77	4.15%	\$1,415.18	\$1,418.53	\$3.35	0.24%	\$2,711.69	\$2,768.81	\$57.12	2.11%
50,000	100.0	91,290.31	Ψ1,550.20	ψυJ.11	7.13/0	φ1,413.10	Ψ1, 710.33	Ψ3.33	0.2470	92,/11.09	Ψ2,700.01	Ψ.J./.12	2.11/

Current			<u>Proposed</u>		
Customer Charge		\$52.52	Customer Charge		\$52.52
T&D Demand Charge	kW x	\$10.27	T&D Demand Charge	kW x	\$10.61
Revenue Decoupling Mechanisn	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162	Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03511	Commodity Energy Charge	kWh x	\$0.03511
Transmission Revenue Adjustment Charge	kWh x	(\$0.00312)	Transmission Revenue Adjustment Charge	kWh x	(\$0.00078)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007511	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00051	Merchant Function Charge	kWh x	\$0.00060
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM Surcharge	kW x	\$0.04	DLM Surcharge	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330	CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GI Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (SECONDARY) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Curren

			Deliv	ery			Commo	dity			Total		
kWh Usage	kW	Cui	rent Propose	d Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	\$1,458			5.95%	\$1,124.58	\$1,127.26	\$2.68	0.24%	\$2,582.80	\$2,672.20	\$89.40	3.46%
36,000	100.0	\$1,502			5.82%	\$1,405.73	\$1,409.07	\$3.34	0.24%	\$2,908.45	\$2,999.27	\$90.81	3.12%
43,200	100.0	\$1,547			5.70%	\$1,686.87	\$1,690.89	\$4.02	0.24%	\$3,234.09	\$3,326.35	\$92.25	2.85%
57,600	100.0	\$1,636	22 \$1,725.97	\$89.75	5.49%	\$2,249.16	\$2,254.52	\$5.36	0.24%	\$3,885.38	\$3,980.49	\$95.11	2.45%
57,600	200.0	\$2,653	67 \$2,761.60	\$107.93	4.07%	\$2,249.16	\$2,254.52	\$5.36	0.24%	\$4,902.83	\$5,016.12	\$113.29	2.31%
72,000	200.0	\$2,033		\$107.93 \$109.44	3.99%	\$2,249.16	\$2,234.32	\$5.36 \$6.70	0.24%	\$5,554.12	\$5,670.26	\$115.29 \$116.14	2.09%
86.400	200.0	\$2,742			3.99%	\$2,811.45	\$3,381.78		0.24%		\$6,324.41	\$118.99	
								\$8.03		\$6,205.42			1.92%
115,200	200.0	\$3,009	67 \$3,123.66	\$113.99	3.79%	\$4,498.33	\$4,509.04	\$10.71	0.24%	\$7,508.00	\$7,632.70	\$124.70	1.66%
72,000	250.0	\$3,251	39 \$3,369.93	\$118.54	3.65%	\$2,811.45	\$2,818.15	\$6.70	0.24%	\$6,062.84	\$6,188.08	\$125.24	2.07%
90,000	250.0	\$3,362	64 \$3,483.07	\$120.43	3.58%	\$3,514.32	\$3,522.68	\$8.36	0.24%	\$6,876.96	\$7,005.75	\$128.79	1.87%
100,000	250.0	\$3,424	45 \$3,545.93	\$121.48	3.55%	\$3,904.80	\$3,914.09	\$9.29	0.24%	\$7,329.25	\$7,460.02	\$130.77	1.78%
144,000	250.0	\$3,696	39 \$3,822.50	\$126.11	3.41%	\$5,622.91	\$5,636.29	\$13.38	0.24%	\$9,319.30	\$9,458.79	\$139.49	1.50%
144,000	500.0	\$6,240			2.75%	\$5,622.91	\$5,636.29	\$13.38	0.24%	\$11,862.91	\$12,047.86	\$184.95	1.56%
180,000	500.0	\$6,462			2.71%	\$7,028.64	\$7,045.37	\$16.73	0.24%	\$13,491.14	\$13,683.23	\$192.08	1.42%
216,000	500.0	\$6,685	00 \$6,864.15	\$179.14	2.68%	\$8,434.36	\$8,454.44	\$20.08	0.24%	\$15,119.36	\$15,318.59	\$199.22	1.32%
288,000	500.0	\$7,130	00 \$7,316.72	\$186.72	2.62%	\$11,245.82	\$11,272.59	\$26.77	0.24%	\$18,375.82	\$18,589.31	\$213.49	1.16%
216.000	750.0	#O 220	(2 60 452 21	6224.60	2.420/	60 424 26	60 454 44	620.00	0.240/	617 ((2.00	617.007.65	624460	1.200/
216,000	750.0	\$9,228		\$224.60	2.43%	\$8,434.36	\$8,454.44	\$20.08	0.24%	\$17,662.98	\$17,907.65	\$244.68	1.39%
270,000	750.0	\$9,562			2.41%	\$10,542.95	\$10,568.05	\$25.10	0.24%	\$20,105.32	\$20,360.70	\$255.38	1.27%
324,000	750.0	\$9,896			2.38%	\$12,651.55	\$12,681.66	\$30.11	0.24%	\$22,547.67	\$22,813.74	\$266.07	1.18%
432,000	750.0	\$10,563	62 \$10,810.94	\$247.32	2.34%	\$16,868.73	\$16,908.88	\$40.15	0.24%	\$27,432.35	\$27,719.82	\$287.47	1.05%
432,000	1.500.0	\$18.194	46 \$18.578.14	\$383.69	2.11%	\$16.868.73	\$16.908.88	\$40.15	0.24%	\$35,063.19	\$35.487.02	\$423.84	1.21%
540,000	1.500.0	\$18.861		\$395.05	2.09%	\$21.085.91	\$21.136.10	\$50.19	0.24%	\$39,947.87	\$40,393,11	\$445.24	1.11%
648,000	1.500.0	\$19,529		\$406.41	2.08%	\$25,303.09	\$25,363,32	\$60.23	0.24%	\$44,832.55	\$45,299,19	\$466.64	1.04%
864,000	1,500.0	\$20,864			2.06%	\$33,737.45	\$33,817.77	\$80.32	0.24%	\$54,601.91	\$55,111.37	\$509.46	0.93%
576,000	2,000.0	\$24,171			2.03%	\$22,491.64	\$22,545.18	\$53.54	0.24%	\$46,663.32	\$47,206.61	\$543.29	1.16%
720,000	2,000.0	\$25,061			2.01%	\$28,114.55	\$28,181.47	\$66.92	0.24%	\$53,176.23	\$53,748.05	\$571.82	1.08%
864,000	2,000.0	\$25,951		\$520.05	2.00%	\$33,737.45	\$33,817.77	\$80.32	0.24%	\$59,689.13	\$60,289.50	\$600.37	1.01%
1,152,000	2,000.0	\$27,731	68 \$28,282.04	\$550.35	1.98%	\$44,983.27	\$45,090.35	\$107.08	0.24%	\$72,714.95	\$73,372.39	\$657.43	0.90%

Current			Proposed		
Customer Charge		\$260.15	Customer Charge		\$325.00
T&D Demand Charge	kW x	\$10.03	T&D Demand Charge	kW x	\$10.21
Revenue Decoupling Mechanisn	kW x	\$0.00	Revenue Decoupling Mechanisn	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162	Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03485	Commodity Energy Charge	kWh x	\$0.03485
Transmission Revenue Adjustment Charge	kWh x	(\$0.00255)	Transmission Revenue Adjustment Charge	kWh x	(\$0.00064)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007511	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00051	Merchant Function Charge	kWh x	\$0.00060
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330	CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GF Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (PRIMARY) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Curren

			Delivery				Commodity				Total		
kWh Usage	kW	Curren	t Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	\$1,456.11	\$1,498.48	\$42.37	2.91%	\$1,092.87	\$1,095.55	\$2.68	0.25%	\$2,548.98	\$2,594.03	\$45.05	1.77%
36,000	100.0	\$1,502.98	\$1,544.32	\$41.34	2.75%	\$1,366.09	\$1,369.44	\$3.35	0.25%	\$2,869.07	\$2,913.76	\$44.69	1.56%
43,200	100.0	\$1,549.84	\$1,590.16	\$40.32	2.60%	\$1,639.31	\$1,643.32	\$4.01	0.24%	\$3,189.15	\$3,233.48	\$44.33	1.39%
57,600	100.0	\$1,643.57	\$1,681.84	\$38.27	2.33%	\$2,185.75	\$2,191.10	\$5.35	0.24%	\$3,829.32	\$3,872.94	\$43.62	1.14%
57,600	200.0	\$2,471.11	\$2,555.85	\$84.74	3.43%	\$2,185.75	\$2,191.10	\$5.35	0.24%	\$4,656.86	\$4,746.95	\$90.09	1.93%
72,000	200.0	\$2,564.84	\$2,647.53	\$82.69	3.22%	\$2,732.18	\$2,738.87	\$6.69	0.24%	\$5,297.02	\$5,386.40	\$89.38	1.69%
86,400	200.0	\$2,658.57	\$2,739.21	\$80.64	3.03%	\$3,278.62	\$3,286.65	\$8.03	0.24%	\$5,937.19	\$6,025.86	\$88.67	1.49%
115,200	200.0	\$2,846.02	\$2,922.56	\$76.54	2.69%	\$4,371.49	\$4,382.20	\$10.71	0.24%	\$7,217.51	\$7,304.76	\$87.25	1.21%
72,000	250.0	\$2,978.61	\$3,084.53	\$105.92	3.56%	\$2,732.18	\$2,738.87	\$6.69	0.24%	\$5.710.79	\$5,823.40	\$112.61	1.97%
90.000	250.0	\$3,095,77	\$3,199.13	\$103.36	3.34%	\$3,415.23	\$3,423.59	\$8.36	0.24%	\$6,511.00	\$6.622.72	\$111.72	1.72%
						\$3,415.23 \$4.098.27			0.24%				1.72%
108,000	250.0	\$3,212.93	\$3,313.73	\$100.80	3.14%		\$4,108.31	\$10.04		\$7,311.20	\$7,422.04	\$110.84	
144,000	250.0	\$3,447.25	\$3,542.93	\$95.68	2.78%	\$5,464.36	\$5,477.75	\$13.39	0.25%	\$8,911.61	\$9,020.68	\$109.07	1.22%
144,000	500.0	\$5,516.12	\$5,727.95	\$211.84	3.84%	\$5,464.36	\$5,477.75	\$13.39	0.25%	\$10,980.48	\$11,205.70	\$225.23	2.05%
180,000	500.0	\$5,750.43	\$5,957.15	\$206.72	3.59%	\$6,830.45	\$6,847.19	\$16.74	0.25%	\$12,580.88	\$12,804.34	\$223.46	1.78%
225,000	500.0	\$6,043.33	\$6,243.65	\$200.32	3.31%	\$8,538.07	\$8,558.98	\$20.91	0.24%	\$14,581.40	\$14,802.63	\$221.23	1.52%
288,000	500.0	\$6,453.39	\$6,644.74	\$191.35	2.97%	\$10,928.73	\$10,955.50	\$26.77	0.24%	\$17,382.12	\$17,600.24	\$218.12	1.25%
216,000	750.0	\$8,053.62	\$8,371.38	\$317.76	3.95%	\$8.196.55	\$8,216,62	\$20.07	0.24%	\$16.250.17	\$16,588.00	\$337.83	2.08%
270,000	750.0	\$8,405.09	\$8.715.17	\$310.08	3.69%	\$10.245.68	\$10.270.78	\$25.10	0.24%	\$18,650.77	\$18.985.95	\$335.18	1.80%
324,000	750.0	\$8,756,57	\$9.058.97	\$302.39	3.45%	\$12,294.82	\$12,324.93	\$30.11	0.24%	\$21.051.39	\$21.383.90	\$332.50	1.58%
432,000	750.0	\$9,459.53	\$9,746.56	\$287.03	3.03%	\$16,393.09	\$16,433.25	\$40.16	0.24%	\$25,852.62	\$26,179.81	\$327.19	1.27%
432.000	1.500.0	\$15,666,12	\$16.301.64	\$635.52	4.06%	\$16,393.09	\$16.433.25	\$40.16	0.24%	\$32.059.21	\$32.734.89	\$675.68	2.11%
540.000	1,500.0	\$15,666.12	\$16,301.64	\$633.32 \$620.15	3.79%	\$20.491.36	\$10,433.23	\$40.16 \$50.20	0.24%	\$32,039.21 \$36.860.44	\$32,734.89 \$37.530.79	\$670.35	1.82%
		\$10,369.08		\$620.13 \$604.79		\$24,589.64			0.24%		\$42,326.69	\$665.02	1.60%
648,000	1,500.0	\$17,072.03	\$17,676.82	\$604.79 \$574.06	3.54% 3.11%	\$24,589.64 \$32.786.18	\$24,649.87	\$60.23 \$80.31	0.24%	\$41,661.67	\$42,326.69 \$51.918.49		1.60%
864,000	1,500.0	\$18,477.94	\$19,052.00	\$5/4.06	5.11%	\$32,/86.18	\$32,866.49	\$80.31	0.24%	\$51,264.12	\$31,918.49	\$654.37	1.28%
576,000	2,000.0	\$20,741.13	\$21,588.48	\$847.35	4.09%	\$21,857.45	\$21,911.00	\$53.55	0.24%	\$42,598.58	\$43,499.48	\$900.90	2.11%
720,000	2,000.0	\$21,678.40	\$22,505.27	\$826.87	3.81%	\$27,321.82	\$27,388.74	\$66.92	0.24%	\$49,000.22	\$49,894.01	\$893.79	1.82%
864,000	2,000.0	\$22,615.67	\$23,422.06	\$806.38	3.57%	\$32,786.18	\$32,866.49	\$80.31	0.24%	\$55,401.85	\$56,288.55	\$886.69	1.60%
1,152,000	2,000.0	\$24,490.22	\$25,255.63	\$765.41	3.13%	\$43,714.91	\$43,821.99	\$107.08	0.24%	\$68,205.13	\$69,077.62	\$872.49	1.28%

Current			<u>Proposed</u>		
Customer Charge		\$436.70	Customer Charge		\$436.70
T&D Demand Charge	kW x	\$8.15	T&D Demand Charge	kW x	\$8.61
Revenue Decoupling Mechanisn	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162	Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03376	Commodity Energy Charge	kWh x	\$0.03376
Transmission Revenue Adjustment Charge	kWh x	(\$0.00223)	Transmission Revenue Adjustment Charge	kWh x	(\$0.00056)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007511	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00051	Merchant Function Charge	kWh x	\$0.00060
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330	CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GI Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charage and Commodity GR

### NIAGARA MOHAWK POWER CORPORATION d'b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Curren

			Deliv			Commodity					Total		
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	\$1,044.40	\$1,104.42	\$60.02	5.75%	\$1,071.35	\$1,074.02	\$2.67	0.25%	\$2,115.75	\$2,178.44	\$62.69	2.96%
36,000	100.0	\$1,091.73	\$1,150.40	\$58.67	5.37%	\$1,339.18	\$1,342.53	\$3.35	0.25%	\$2,430.91	\$2,492.93	\$62.02	2.55%
43,200	100.0	\$1,139.07	\$1,196.38	\$57.32	5.03%	\$1,607.02	\$1,611.03	\$4.01	0.25%	\$2,746.09	\$2,807.41	\$61.33	2.23%
57,600	100.0	\$1,233.74	\$1,288.35	\$54.61	4.43%	\$2,142.69	\$2,148.04	\$5.35	0.25%	\$3,376.43	\$3,436.39	\$59.96	1.78%
57,600	200.0	\$1,517.85	\$1,563.38	\$45.52	3.00%	\$2,142.69	\$2,148.04	\$5.35	0.25%	\$3,660.54	\$3,711.42	\$50.87	1.39%
72,000	200.0	\$1,612.53	\$1,655.35	\$42.82	2.66%	\$2,678.36	\$2,685.06	\$6.70	0.25%	\$4,290.89	\$4,340.41	\$49.52	1.15%
86,400	200.0	\$1,707.20	\$1,747.31	\$40.12	2.35%	\$3,214.04	\$3,222.07	\$8.03	0.25%	\$4,921.24	\$4,969.38	\$48.15	0.98%
115,200	200.0	\$1,896.55	\$1,931.25	\$34.71	1.83%	\$4,285.38	\$4,296.09	\$10.71	0.25%	\$6,181.93	\$6,227.34	\$45.42	0.73%
72,000	250.0	\$1,754.58	\$1,792.86	\$38.27	2.18%	\$2,678.36	\$2,685.06	\$6.70	0.25%	\$4,432.94	\$4,477.92	\$44.97	1.01%
90,000	250.0	\$1,872.92	\$1,907.82	\$34.89	1.86%	\$3,347.95	\$3,356.32	\$8.37	0.25%	\$5,220.87	\$5,264.14	\$43.26	0.83%
108,000	250.0	\$1,991.26	\$2,022.78	\$31.52	1.58%	\$4,017.55	\$4,027.58	\$10.03	0.25%	\$6,008.81	\$6,050.36	\$41.55	0.69%
144,000	250.0	\$2,227.95	\$2,252.70	\$24.76	1.11%	\$5,356.73	\$5,370.11	\$13.38	0.25%	\$7,584.68	\$7,622.81	\$38.14	0.50%
144,000	500.0	\$2,938.23	\$2,940.26	\$2.03	0.07%	\$5,356.73	\$5,370.11	\$13.38	0.25%	\$8,294.96	\$8,310.37	\$15.41	0.19%
180,000	500.0	\$3,174.91	\$3,170.18	(\$4.73)	-0.15%	\$6,695.91	\$6,712.64	\$16.73	0.25%	\$9,870.82	\$9,882.82	\$12.00	0.12%
216,000	500.0	\$3,411.59	\$3,400.11	(\$11.48)	-0.34%	\$8,035.09	\$8,055.17	\$20.08	0.25%	\$11,446.68	\$11,455.28	\$8.60	0.08%
288,000	500.0	\$3,884.95	\$3,859.95	(\$25.00)	-0.64%	\$10,713.45	\$10,740.22	\$26.77	0.25%	\$14,598.40	\$14,600.17	\$1.77	0.01%
216,000	800.0	\$4,263.93	\$4,225.17	(\$38.76)	-0.91%	\$8,035.09	\$8,055.17	\$20.08	0.25%	\$12,299.02	\$12,280.34	(\$18.68)	-0.15%
270,000	800.0	\$4,618.95	\$4,570.05	(\$48.89)	-1.06%	\$10,043.86	\$10,068.96	\$25.10	0.25%	\$14,662.81	\$14,639.01	(\$23.79)	-0.16%
320,000	800.0	\$4,947.67	\$4,889.39	(\$58.28)	-1.18%	\$11,903.84	\$11,933.58	\$29.74	0.25%	\$16,851.51	\$16,822.97	(\$28.54)	-0.17%
432,000	800.0	\$5,684.02	\$5,604.71	(\$79.30)	-1.40%	\$16,070.18	\$16,110.34	\$40.16	0.25%	\$21,754.20	\$21,715.05	(\$39.14)	-0.18%
432,000	1,500.0	\$7,672.80	\$7,529.86	(\$142.94)	-1.86%	\$16,070.18	\$16,110.34	\$40.16	0.25%	\$23,742.98	\$23,640.20	(\$102.78)	-0.43%
540,000	1,500.0	\$8,382.85	\$8,219.63	(\$163.21)	-1.95%	\$20,087.73	\$20,137.92	\$50.19	0.25%	\$28,470.58	\$28,357.55	(\$113.02)	-0.40%
648,000	1,500.0	\$9,092.89	\$8,909.41	(\$183.48)	-2.02%	\$24,105.27	\$24,165.51	\$60.24	0.25%	\$33,198.16	\$33,074.92	(\$123.24)	-0.37%
864,000	1,500.0	\$10,512.98	\$10,288.95	(\$224.03)	-2.13%	\$32,140.36	\$32,220.67	\$80.31	0.25%	\$42,653.34	\$42,509.62	(\$143.72)	-0.34%
576,000	2,000.0	\$10,040.09	\$9,824.66	(\$215.42)	-2.15%	\$21,426.91	\$21,480.45	\$53.54	0.25%	\$31,467.00	\$31,305.11	(\$161.88)	-0.51%
720,000	2,000.0	\$10,986.82	\$10,744.36	(\$242.45)	-2.21%	\$26,783.64	\$26,850.56	\$66.92	0.25%		\$37,594.92	(\$175.53)	-0.46%
864,000	2,000.0	\$11,933.54	\$11,664.06	(\$269.48)	-2.26%			\$80.31	0.25%		\$43,884.73	(\$189.17)	-0.43%
1.152.000	2.000.0		\$13,503.45	(\$323.55)	-2.34%	\$42,853.82		\$107.08	0.25%	\$56,680.82	\$56,464.35	(\$216.47)	-0.38%

Current			Proposed		
Customer Charge		\$565.23	Customer Charge		\$639.00
T&D Demand Charge	kW x	\$2.77	T&D Demand Charge	kW x	\$2.68
Revenue Decoupling Mechanisn	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162	Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03302	Commodity Energy Charge	kWh x	\$0.03302
Transmission Revenue Adjustment Charge	kWh x	(\$0.00216)	Transmission Revenue Adjustment Charge	kWh x	(\$0.00054)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007511	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330	CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00051	Merchant Function Charge	kWh x	\$0.00060
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GI Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

# NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (TRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Curren

			Delive	ry			Commo	odity		Total				
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	
28,800	100.0	\$1,044.40	\$1,104.42	\$60.02	5.75%	\$1,076.58	\$1,079.26	\$2.68	0.25%	\$2,120.98	\$2,183.68	\$62.70	2.96%	
36,000	100.0	\$1,091.73	\$1,150.40	\$58.67	5.37%	\$1,345.73	\$1,349.07	\$3.34	0.25%	\$2,437.46	\$2,499.47	\$62.01	2.54%	
43,200	100.0	\$1,139.07	\$1,196.38	\$57.32	5.03%	\$1,614.87	\$1,618.89	\$4.02	0.25%	\$2,753.94	\$2,815.27	\$61.34	2.23%	
57,600	100.0	\$1,233.74	\$1,288.35	\$54.61	4.43%	\$2,153.16	\$2,158.52	\$5.36	0.25%	\$3,386.90	\$3,446.87	\$59.97	1.77%	
57,600	200.0	\$1,517.85	\$1,563.38	\$45.52	3.00%	\$2,153.16	\$2,158.52	\$5.36	0.25%	\$3,671.01	\$3,721.90	\$50.88	1.39%	
72,000	200.0	\$1,612.53	\$1,655.35	\$42.82	2.66%	\$2,691.45	\$2,698.15	\$6.70	0.25%	\$4,303.98	\$4,353.50	\$49.52	1.15%	
86,400	200.0	\$1,707.20	\$1,747.31	\$40.12	2.35%	\$3,229.75	\$3,237.78	\$8.03	0.25%	\$4,936.95	\$4,985.09	\$48.15	0.98%	
115,200	200.0	\$1,896.55	\$1,931.25	\$34.71	1.83%	\$4,306.33	\$4,317.04	\$10.71	0.25%	\$6,202.88	\$6,248.29	\$45.42	0.73%	
72,000	250.0	\$1,754.58	\$1,792.86	\$38.27	2.18%	\$2,691,45	\$2,698.15	\$6.70	0.25%	\$4,446.03	\$4.491.01	\$44.97	1.01%	
90,000	250.0	\$1,872.92	\$1.907.82	\$34.89	1.86%	\$3,364.32	\$3,372.68	\$8.36	0.25%	\$5,237.24	\$5,280.50	\$43.25	0.83%	
108,000	250.0	\$1,991.26	\$2,022.78	\$31.52	1.58%	\$4,037.18	\$4,047.22	\$10.04	0.25%	\$6,028.44	\$6,070.00	\$41.56	0.69%	
144,000	250.0	\$2,227.95	\$2,252.70	\$24.76	1.11%	\$5,382.91	\$5,396.29	\$13.38	0.25%	\$7,610.86	\$7,648.99	\$38.14	0.50%	
144,000	500.0	\$2,938.23	\$2,940.26	\$2.03	0.07%	\$5,382.91	\$5,396.29	\$13.38	0.25%	\$8,321.14	\$8,336.55	\$15.41	0.19%	
180,000	500.0	\$3,174.91	\$3,170.18	(\$4.73)	-0.15%	\$6,728.64	\$6,745.37	\$16.73	0.25%	\$9,903.55	\$9.915.55	\$12.00	0.12%	
216,000	500.0	\$3,411.59	\$3,400.11	(\$11.48)	-0.34%	\$8.074.36	\$8,094.44	\$20.08	0.25%	\$11.485.95	\$11.494.55	\$8.60	0.07%	
288,000	500.0	\$3,884.95	\$3,859.95	(\$25.00)	-0.64%	\$10,765.82	\$10,792.59	\$26.77	0.25%	\$14,650.77	\$14,652.54	\$1.77	0.01%	
216.000	800.0	\$4,263.93	\$4,225.17	(\$38.76)	-0.91%	\$8.074.36	\$8.094.44	\$20.08	0.25%	\$12,338.29	\$12.319.61	(\$18.68)	-0.15%	
270,000	800.0	\$4,618.95	\$4,570.05	(\$48.89)	-1.06%	\$10.092.95	\$10.118.05	\$25.10	0.25%	\$12,338.29	\$14,688.10	(\$23.79)	-0.15%	
320,000	800.0	\$4,947.67	\$4,889.39	(\$58.28)	-1.18%	\$11,962.02	\$11,991.77	\$25.10	0.25%	\$16,909.69	\$16,881.16	(\$23.79)	-0.10%	
432,000	800.0	\$5.684.02	\$5,604.71	(\$79.30)	-1.10%	\$16,148.73	\$16,188.88	\$40.15	0.25%	\$21,832.75	\$21,793.59	(\$39.15)	-0.17%	
432,000	800.0	\$5,064.02	\$5,004.71	(\$79.30)	-1.4070	\$10,146.75	\$10,100.00	540.13	0.2376	\$21,032.73	\$21,793.39	(339.13)	-0.1070	
432,000	1,500.0	\$7,672.80	\$7,529.86	(\$142.94)	-1.86%	\$16,148.73	\$16,188.88	\$40.15	0.25%	\$23,821.53	\$23,718.74	(\$102.79)	-0.43%	
540,000	1,500.0	\$8,382.85	\$8,219.63	(\$163.21)	-1.95%	\$20,185.91	\$20,236.10	\$50.19	0.25%	\$28,568.76	\$28,455.73	(\$113.02)	-0.40%	
648,000	1,500.0	\$9,092.89	\$8,909.41	(\$183.48)	-2.02%	\$24,223.09	\$24,283.32	\$60.23	0.25%	\$33,315.98	\$33,192.73	(\$123.25)	-0.37%	
864,000	1,500.0	\$10,512.98	\$10,288.95	(\$224.03)	-2.13%	\$32,297.45	\$32,377.77	\$80.32	0.25%	\$42,810.43	\$42,666.72	(\$143.71)	-0.34%	
576,000	2.000.0	\$10.040.09	\$9.824.66	(\$215.42)	-2.15%	\$21.531.64	\$21.585.18	\$53.54	0.25%	\$31.571.73	\$31,409.84	(\$161.88)	-0.51%	
720,000	2,000.0	\$10,986.82	\$10,744.36	(\$242.45)	-2.21%	\$26,914.55	\$26,981.47	\$66.92	0.25%	\$37,901.37	\$37,725.83	(\$175.53)	-0.46%	
864,000	2.000.0	\$11.933.54	\$11,664.06	(\$269.48)	-2.26%	\$32,297,45	\$32,377,77	\$80.32	0.25%	\$44.230.99	\$44.041.83	(\$189.16)	-0.43%	
1.152.000	2,000.0	\$13.827.00	\$13,503,45	(\$323.55)	-2.34%	\$43.063.27	\$43,170.35	\$107.08	0.25%	\$56.890.27	\$56,673.80	(\$216.47)	-0.38%	

Current			Proposed		
Customer Charge		\$565.23	Customer Charge		\$639.00
T&D Demand Charge	kW x	\$2.77	T&D Demand Charge	kW x	\$2.68
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162	Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03320	Commodity Energy Charge	kWh x	\$0.03320
Transmission Revenue Adjustment Charge	kWh x	(\$0.00216)	Transmission Revenue Adjustment Charge	kWh x	(\$0.00054)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007511	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.003298	CES Supply Charge	kWh x	\$0.003298
CES Delivery Charge	kWh x	\$0.000000	CES Delivery Charge	kWh x	\$0.000000
Merchant Function Charge	kWh x	\$0.00051	Merchant Function Charge	kWh x	0.00060
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Chargeand Delivery GF Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (SECONDARY) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Current

LWI Maran On Bank Bat				Delive	ry			Commo	dity			Total		
kWh Usage C	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	\$28,854.01	\$30,201.42	\$1,347.40	4.67%	\$28,354.55	\$28,421.47	\$66.92	0.24%	\$57,208.56	\$58,622.89	\$1,414.32	2.47%
720,000	50%	2,500.0	\$28,854.01	\$30,201.42	\$1,347.40	4.67%	\$26,961.82	\$27,028.74	\$66.92	0.25%	\$55,815.83	\$57,230.16	\$1,414.32	2.53%
720,000	40%	2,500.0	\$28,854.01	\$30,201.42	\$1,347.40	4.67%	\$25,569.09	\$25,636.02	\$66.93	0.26%	\$54,423.10	\$55,837.44	\$1,414.33	2.60%
1,250,000	60%	2,500.0	\$32,206.44	\$33,554.29	\$1,347.85	4.19%	\$49,226.64	\$49,342.83	\$116.19	0.24%	\$81,433.08	\$82,897.12	\$1,464.04	1.80%
1,250,000	50%	2,500.0	\$32,206.44	\$33,554.29	\$1,347.85	4.19%	\$46,808.71	\$46,924.90	\$116.19	0.25%	\$79,015.15	\$80,479.19	\$1,464.04	1.85%
1,250,000	40%	2,500.0	\$32,206.44	\$33,554.29	\$1,347.85	4.19%	\$44,390.78	\$44,506.97	\$116.19	0.26%	\$76,597.22	\$78,061.26	\$1,464.04	1.91%
1,440,000	60%	2,500.0	\$33,408.25	\$34,756.26	\$1.348.01	4.03%	\$56,709.09	\$56.842.94	\$133.85	0.24%	\$90.117.34	\$91.599.20	\$1,481.86	1.64%
1,440,000	50%	2,500.0	\$33,408.25	\$34,756.26	\$1,348.01	4.03%	\$53,923.64	\$54,057.49	\$133.85	0.25%	\$87,331.89	\$88,813.75	\$1,481.86	1.70%
1,440,000	40%	2,500.0	\$33,408.25	\$34,756.26	\$1,348.01	4.03%	\$51,138.18	\$51,272.03	\$133.85	0.26%	\$84,546.43	\$86,028.29	\$1,481.86	1.75%
1,008,000	60%	3,500.0	\$39,991.58	\$41,743.26	\$1,751.69	4.38%	\$39,696.36	\$39,790.06	\$93.70	0.24%	\$79,687.94	\$81,533.32	\$1,845.39	2.32%
1,008,000	50%	3,500.0	\$39,991.58	\$41,743.26	\$1,751.69	4.38%	\$37,746.55	\$37,840.24	\$93.69	0.25%	\$77,738.13	\$79,583.50	\$1,845.38	2.37%
1,008,000	40%	3,500.0	\$39,991.58	\$41,743.26	\$1,751.69	4.38%	\$35,796.73	\$35,890.42	\$93.69	0.26%	\$75,788.31	\$77,633.68	\$1,845.38	2.43%
1,512,000	60%	3,500.0	\$43,179.55	\$44,931.66	\$1,752.11	4.06%	\$59.544.55	\$59,685.09	\$140.54	0.24%	\$102,724.10	\$104,616.75	\$1,892.65	1.84%
1,512,000	50%	3,500.0	\$43,179.55	\$44,931.66	\$1,752.11	4.06%	\$56,619.82	\$56,760.36	\$140.54	0.24%	\$99,799.37	\$101,692.02	\$1,892.65	1.90%
1,512,000	40%	3,500.0	\$43,179.55	\$44,931.66	\$1,752.11	4.06%	\$53,695.09	\$53,835.64	\$140.54	0.25%	\$96,874.64	\$98,767.30	\$1,892.66	1.95%
1,312,000	4070	3,300.0	\$43,179.33	\$44,931.00	\$1,732.11	4.00%	\$33,093.09	\$33,033.04	\$140.55	0.20%	390,874.04	\$90,707.30	\$1,092.00	1.9370
2,016,000	60%	3,500.0	\$46,367.52	\$48,120.05	\$1,752.54	3.78%	\$79,392.73	\$79,580.12	\$187.39	0.24%	\$125,760.25	\$127,700.17	\$1,939.93	1.54%
2,016,000	50%	3,500.0	\$46,367.52	\$48,120.05	\$1,752.54	3.78%	\$75,493.09	\$75,680.48	\$187.39	0.25%	\$121,860.61	\$123,800.53	\$1,939.93	1.59%
2,016,000	40%	3,500.0	\$46,367.52	\$48,120.05	\$1,752.54	3.78%	\$71,593.45	\$71,780.85	\$187.40	0.26%	\$117,960.97	\$119,900.90	\$1,939.94	1.64%
1,152,000	60%	4,000.0	\$45,560.36	\$47,514.19	\$1,953.83	4.29%	\$45,367.27	\$45,474.35	\$107.08	0.24%	\$90,927.63	\$92,988.54	\$2,060.91	2.27%
1,152,000	50%	4,000.0	\$45,560,36	\$47.514.19	\$1,953.83	4.29%	\$43,138,91	\$43,245.99	\$107.08	0.25%	\$88,699,27	\$90,760.18	\$2,060.91	2.32%
1,152,000	40%	4,000.0	\$45,560.36	\$47,514.19	\$1,953.83	4.29%	\$40,910.55	\$41,017.63	\$107.08	0.26%	\$86,470.91	\$88,531.82	\$2,060.91	2.38%
1,728,000	60%	4,000.0	\$49,203.75	\$51,158.07	\$1,954.31	3.97%	\$68,050.91	\$68,211.53	\$160.62	0.24%	\$117,254.66	\$119,369.60	\$2,114.93	1.80%
1,728,000	50%	4,000.0	\$49,203.75	\$51,158.07	\$1,954.31	3.97%	\$64,708.36	\$64,868.99	\$160.63	0.25%	\$113,912.11	\$116,027.06	\$2,114.94	1.86%
1,728,000	40%	4,000.0	\$49,203.75	\$51,158.07	\$1,954.31	3.97%	\$61,365.82	\$61,526.44	\$160.62	0.26%	\$110,569.57	\$112,684.51	\$2,114.93	1.91%
2,304,000	60%	4,000.0	\$52,847.15	\$54.801.94	\$1.954.80	3.70%	\$90.734.55	\$90,948.71	\$214.16	0.24%	\$143.581.70	\$145,750.65	\$2,168.96	1.51%
2,304,000	50%	4,000.0	\$52,847.15	\$54,801.94	\$1,954.80	3.70%	\$86,277.82	\$86,491.98	\$214.16	0.25%	\$139.124.97	\$141,293.92	\$2,168.96	1.56%
2,304,000	40%	4,000.0	\$52,847.15	\$54,801.94	\$1,954.80	3.70%	\$81,821.09	\$82,035.25	\$214.16	0.26%	\$134,668.24	\$136,837.19	\$2,168.96	1.61%
3,888,000	60%	13,500.0	\$151,367.22	\$157,161.73	\$5.794.52	3.83%	\$153.114.55	\$153,475.95	\$361.40	0.24%	\$304.481.77	\$310.637.68	\$6.155.92	2.02%
3,888,000	50%	13,500.0		\$157,161.73	\$5,794.52 \$5,794.52	3.83%	\$133,114.33	\$133,473.93	\$361.40	0.24%	\$296,961.04	\$303,116.95	\$6,155.92	2.02%
3,888,000	40%	13,500.0	\$151,367.22 \$151,367.22	\$157,161.73	\$5,794.52 \$5,794.52	3.83%	\$138,073.09	\$145,955.22	\$361.40	0.25%	\$289,440.31	\$295,596.22	\$6,155.92	2.07%
3,888,000	4070	15,500.0	\$131,307.22	\$137,101.73	33,794.32	3.0370	\$136,073.09	\$130,434.49	\$301.40	0.20%	3289,440.31	\$293,390.22	\$0,133.92	2.1370
5,832,000	60%	13,500.0	\$163,663.67	\$169,459.83	\$5,796.15	3.54%	\$229,671.82	\$230,213.92	\$542.10	0.24%	\$393,335.49	\$399,673.75	\$6,338.25	1.61%
5,832,000	50%	13,500.0	\$163,663.67	\$169,459.83	\$5,796.15	3.54%	\$218,390.73	\$218,932.83	\$542.10	0.25%	\$382,054.40	\$388,392.66	\$6,338.25	1.66%
5,832,000	40%	13,500.0	\$163,663.67	\$169,459.83	\$5,796.15	3.54%	\$207,109.64	\$207,651.74	\$542.10	0.26%	\$370,773.31	\$377,111.57	\$6,338.25	1.71%
7,776,000	60%	13,500.0	\$175,960.13	\$181,757.92	\$5,797.79	3.29%	\$306,229.09	\$306.951.89	\$722.80	0.24%	\$482.189.22	\$488,709.81	\$6,520.59	1.35%
7,776,000	50%	13,500.0	\$175,960.13	\$181,757.92	\$5,797.79	3.29%	\$291,187.64	\$291,910.44	\$722.80	0.25%	\$467,147.77	\$473,668.36	\$6,520.59	1.40%
7,776,000	40%	13,500.0		\$181,757.92	\$5,797.79	3.29%	\$276,146.18	\$276,868.98	\$722.80	0.26%	\$452,106.31	\$458,626.90	\$6,520.59	1.44%

<u>Current</u>			<u>Proposed</u>		
Customer Charge		\$1,000.00	Customer Charge		\$1,333.33
T&D Demand Charge	kW x	\$9.18	T&D Demand Charge	kW x	\$9.58
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162	Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge On Peal	kWh x	\$0.04284	Commodity Energy Charge On Peal	kWh x	\$0.04284
Commodity Energy Charge Off Peak	kWh x	\$0.02369	Commodity Energy Charge Off Peak	kWh x	\$0.02369
Transmission Revenue Adjustment Charge	kWh x	(\$0.00241)	Transmission Revenue Adjustment Charge	kWh x	(\$0.00060)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007511	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330	CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00051	Merchant Function Charge	kWh x	0.00060
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Deferral Recovery, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery G Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (PRIMARY) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Curren

				Deliver	ry			Commo	dity			Total		
kWh Usage On	-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
-				•				-						
720,000	60%	2,500.0	\$28,854.01	\$30,201.42	\$1,347.40	4.67%	\$27,720.36	\$27,787.29	\$66.93	0.24%	\$56,574.37	\$57,988.71	\$1,414.33	2.50%
720,000	50%	2,500.0	\$28,854.01	\$30,201.42	\$1,347.40	4.67%	\$26,372.73	\$26,439.65	\$66.92	0.25%	\$55,226.74	\$56,641.07	\$1,414.32	2.56%
720,000	40%	2,500.0	\$28,854.01	\$30,201.42	\$1,347.40	4.67%	\$25,025.09	\$25,092.02	\$66.93	0.27%	\$53,879.10	\$55,293.44	\$1,414.33	2.63%
1,250,000	60%	2,500.0	\$32,206.44	\$33,554.29	\$1,347.85	4.19%	\$48,125.63	\$48,241.82	\$116.19	0.24%	\$80,332.07	\$81,796.11	\$1,464.04	1.82%
1,250,000	50%	2,500.0	\$32,206.44	\$33,554.29	\$1,347.85	4.19%	\$45,785.98	\$45,902.18	\$116.20	0.25%	\$77,992.42	\$79,456.47	\$1,464.05	1.88%
1,250,000	40%	2,500.0	\$32,206.44	\$33,554.29	\$1,347.85	4.19%	\$43,446.34	\$43,562.53	\$116.19	0.27%	\$75,652.78	\$77,116.82	\$1,464.04	1.94%
1,440,000	60%	2,500.0	\$33,408.25	\$34,756.26	\$1,348.01	4.03%	\$55,440.73	\$55,574.58	\$133.85	0.24%	\$88,848.98	\$90,330.84	\$1,481.86	1.67%
1,440,000	50%	2,500.0	\$33,408.25	\$34,756.26	\$1,348.01	4.03%	\$52,745.45	\$52,879.31	\$133.86	0.25%	\$86,153.70	\$87,635.57	\$1,481.87	1.72%
1,440,000	40%	2,500.0	\$33,408.25	\$34,756.26	\$1,348.01	4.03%	\$50,050.18	\$50,184.03	\$133.85	0.27%	\$83,458.43	\$84,940.29	\$1,481.86	1.78%
1,008,000	60%	3,500.0	\$39,991.58	\$41,743.26	\$1,751.69	4.38%	\$38,808.51	\$38,902.21	\$93.70	0.24%	\$78,800.09	\$80,645.47	\$1,845.39	2.34%
1,008,000	50%	3,500.0	\$39,991.58	\$41,743.26	\$1,751.69	4.38%	\$36,921.82	\$37,015.51	\$93.69	0.25%	\$76,913.40	\$78,758.77	\$1,845.38	2.40%
1,008,000	40%	3,500.0	\$39,991.58	\$41,743.26	\$1,751.69	4.38%	\$35,035.13	\$35,128.82	\$93.69	0.27%	\$75,026.71	\$76,872.08	\$1,845.38	2.46%
1,512,000	60%	3,500.0	\$43,179.55	\$44,931.66	\$1,752.11	4.06%	\$58,212.76	\$58,353.31	\$140.55	0.24%	\$101,392.31	\$103,284.97	\$1,892.66	1.87%
1,512,000	50%	3,500.0	\$43,179.55	\$44,931.66	\$1,752.11	4.06%	\$55,382.73	\$55,523.27	\$140.54	0.25%	\$98,562.28	\$100,454.93	\$1,892.65	1.92%
1,512,000	40%	3,500.0	\$43,179.55	\$44,931.66	\$1,752.11	4.06%	\$52,552.69	\$52,693.24	\$140.55	0.27%	\$95,732.24	\$97,624.90	\$1,892.66	1.98%
2,016,000	60%	3,500.0	\$46,367.52	\$48.120.05	\$1,752.54	3.78%	\$77.617.02	\$77,804.41	\$187.39	0.24%	\$123.984.54	\$125,924.46	\$1.939.93	1.56%
2,016,000	50%	3,500.0	\$46,367.52	\$48,120.05	\$1,752.54	3.78%	\$73,843.64	\$74,031.03	\$187.39	0.25%	\$120.211.16	\$122,151.08	\$1,939.93	1.61%
2,016,000	40%	3,500.0	\$46,367.52	\$48,120.05	\$1,752.54	3.78%	\$70,070.25	\$70,257.65	\$187.40	0.27%	\$116,437.77	\$118,377.70	\$1,939.94	1.67%
1,152,000	60%	4,000.0	\$45,560.36	\$47,514.19	\$1,953.83	4.29%	\$44,352.58	\$44,459.66	\$107.08	0.24%	\$89,912.94	\$91,973.85	\$2,060.91	2.29%
1,152,000	50%	4,000.0	\$45,560.36	\$47,514.19	\$1,953.83	4.29%	\$42,196.36	\$42,303.45	\$107.09	0.25%	\$87,756.72	\$89,817.64	\$2,060.92	2.35%
1,152,000	40%	4,000.0	\$45,560.36	\$47,514.19	\$1,953.83	4.29%	\$40,040.15	\$40,147.23	\$107.08	0.27%	\$85,600.51	\$87,661.42	\$2,060.91	2.41%
1,728,000	60%	4,000.0	\$49,203.75	\$51,158.07	\$1,954.31	3.97%	\$66,528.87	\$66,689.49	\$160.62	0.24%	\$115,732.62	\$117,847.56	\$2,114.93	1.83%
1,728,000	50%	4,000.0	\$49,203.75	\$51,158.07	\$1,954.31	3.97%	\$63,294.55	\$63,455.17	\$160.62	0.25%	\$112,498.30	\$114,613.24	\$2,114.93	1.88%
1,728,000	40%	4,000.0	\$49,203.75	\$51,158.07	\$1,954.31	3.97%	\$60,060.22	\$60,220.84	\$160.62	0.27%	\$109,263.97	\$111,378.91	\$2,114.93	1.94%
2,304,000	60%	4,000.0	\$52,847.15	\$54,801.94	\$1,954.80	3.70%	\$88,705.16	\$88,919.33	\$214.17	0.24%	\$141,552.31	\$143,721.27	\$2,168.97	1.53%
2,304,000	50%	4,000.0	\$52,847.15	\$54,801.94	\$1,954.80	3.70%	\$84,392.73	\$84,606.89	\$214.16	0.25%	\$137,239.88	\$139,408.83	\$2,168.96	1.58%
2,304,000	40%	4,000.0	\$52,847.15	\$54,801.94	\$1,954.80	3.70%	\$80,080.29	\$80,294.45	\$214.16	0.27%	\$132,927.44	\$135,096.39	\$2,168.96	1.63%
3,888,000	60%	13,500.0	\$151,367.22	\$157,161.73	\$5,794.52	3.83%	\$149,689.96	\$150,051.36	\$361.40	0.24%	\$301,057.18	\$307,213.09	\$6,155.92	2.04%
3,888,000	50%	13,500.0	\$151,367.22	\$157,161.73	\$5,794.52	3.83%	\$142,412.73	\$142,774.13	\$361.40	0.25%	\$293,779.95	\$299,935.86	\$6,155.92	2.10%
3,888,000	40%	13,500.0	\$151,367.22	\$157,161.73	\$5,794.52	3.83%	\$135,135.49	\$135,496.89	\$361.40	0.27%	\$286,502.71	\$292,658.62	\$6,155.92	2.15%
5,832,000	60%	13,500.0	\$163,663.67	\$169,459.83	\$5,796.15	3.54%	\$224,534.95	\$225,077.05	\$542.10	0.24%	\$388,198.62	\$394,536.88	\$6,338.25	1.63%
5,832,000	50%	13,500.0	\$163,663.67	\$169,459.83	\$5,796.15	3.54%	\$213,619.09	\$214,161.19	\$542.10	0.25%	\$377,282.76	\$383,621.02	\$6,338.25	1.68%
5,832,000	40%	13,500.0	\$163,663.67	\$169,459.83	\$5,796.15	3.54%	\$202,703.24	\$203,245.34	\$542.10	0.27%	\$366,366.91	\$372,705.17	\$6,338.25	1.73%
7,776,000	60%	13,500.0	\$175,960,13	\$181.757.92	\$5,797,79	3.29%	\$299.379.93	\$300,102,73	\$722.80	0.24%	\$475.340.06	\$481.860.65	\$6.520.59	1.37%
7,776,000	50%	13,500.0	\$175,960.13	\$181,757.92	\$5,797.79	3.29%	\$284,825.45	\$285,548.25	\$722.80	0.25%	\$460,785.58	\$467,306.17	\$6,520.59	1.42%
7,776,000	40%	13,500.0	\$175,960.13	\$181,757.92	\$5,797.79	3.29%	\$270,270.98	\$270,993.78	\$722.80	0.27%	\$446,231.11	\$452,751.70	\$6,520.59	1.46%

Current			<u>Proposed</u>		
Customer Charge		\$1,000.00	Customer Charge		\$1,333.33
T&D Demand Charge	kW x	\$9.18	T&D Demand Charge	kW x	\$9.58
Revenue Decoupling Mechanisn	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162	Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge On Peal	kWh x	\$0.04172	Commodity Energy Charge On Peal	kWh x	\$0.04172
Commodity Energy Charge Off Peal	kWh x	\$0.02319	Commodity Energy Charge Off Peal	kWh x	\$0.02319
Transmission Revenue Adjustment Charge	kWh x	(\$0.00241)	Transmission Revenue Adjustment Charge	kWh x	(\$0.00060)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007511	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330	CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
Merchant Function Charge	kWh x	\$0.00051	Merchant Function Charge	kWh x	\$0.00060
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GI Commodity includes the Commodity Energy charge, Merchant Function Charge. CES Supply Charge and Commodity GR

# NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (SUBTRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Curren

				Deliver	У			Commo	dity			Tota	l	
kWh Usage Or	n-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	\$15,206.13	\$15,171.38	(\$34.75)	-0.23%	\$27,263.64	\$27,330.56	\$66.92	0.25%	\$42,469.77	\$42,501.94	\$32.17	0.08%
720,000	50%	2,500.0	\$15,206.13	\$15,171.38	(\$34.75)	-0.23%	\$25,954.55	\$26,021.47	\$66.92	0.26%	\$41,160.68	\$41,192.85	\$32.17	0.08%
720,000	40%	2,500.0	\$15,206.13	\$15,171.38	(\$34.75)	-0.23%	\$24,645.45	\$24,712.38	\$66.93	0.27%	\$39,851.58	\$39,883.76	\$32.18	0.08%
1,080,000	60%	2,500.0	\$17,553.25	\$17,466.99	(\$86.27)	-0.49%	\$40,895.45	\$40,995.84	\$100.39	0.25%	\$58,448.70	\$58,462.83	\$14.12	0.02%
1,080,000	50%	2,500.0	\$17,553.25	\$17,466.99	(\$86.27)	-0.49%	\$38,931.82	\$39,032.21	\$100.39	0.26%	\$56,485.07	\$56,499.20	\$14.12	0.03%
1,080,000	40%	2,500.0	\$17,553.25	\$17,466.99	(\$86.27)	-0.49%	\$36,968.18	\$37,068.57	\$100.39	0.27%	\$54,521.43	\$54,535.56	\$14.12	0.03%
1,440,000	60%	2,500.0	\$19,900.38	\$19,762.59	(\$137.78)	-0.69%	\$54,527.27	\$54,661.12	\$133.85	0.25%	\$74,427.65	\$74,423.71	(\$3.93)	-0.01%
1,440,000	50%	2,500.0	\$19,900.38	\$19,762.59	(\$137.78)	-0.69%	\$51,909.09	\$52,042.94	\$133.85	0.26%	\$71,809.47	\$71,805.53	(\$3.93)	-0.01%
1,440,000	40%	2,500.0	\$19,900.38	\$19,762.59	(\$137.78)	-0.69%	\$49,290.91	\$49,424.76	\$133.85	0.27%	\$69,191.29	\$69,187.35	(\$3.93)	-0.01%
1,008,000	60%	3,500.0	\$20,722.93	\$20,535.29	(\$187.64)	-0.91%	\$38,169,09	\$38,262.79	\$93.70	0.25%	\$58,892.02	\$58,798.08	(\$93.94)	-0.16%
1,008,000	50%	3,500.0	\$20,722.93	\$20,535.29	(\$187.64)	-0.91%	\$36,336.36	\$36,430.06	\$93.70	0.26%	\$57,059.29	\$56,965.35	(\$93.94)	-0.16%
1,008,000	40%	3,500.0	\$20,722.93	\$20,535.29	(\$187.64)	-0.91%	\$34,503.64	\$34,597.33	\$93.69	0.27%	\$55,226.57	\$55,132.62	(\$93.95)	-0.17%
1,512,000	60%	3,500.0	\$24,008.90	\$23,749.13	(\$259.77)	-1.08%	\$57,253.64	\$57,394.18	\$140.54	0.25%	\$81,262.54	\$81,143.31	(\$119.23)	-0.15%
1,512,000	50%	3,500.0	\$24,008.90	\$23,749.13	(\$259.77)	-1.08%	\$54,504.55	\$54,645.09	\$140.54	0.26%	\$78,513.45	\$78,394.22	(\$119.23)	-0.15%
1,512,000	40%	3,500.0	\$24,008.90	\$23,749.13	(\$259.77)	-1.08%	\$51,755.45	\$51,896.00	\$140.55	0.27%	\$75,764.35	\$75,645.13	(\$119.22)	-0.16%
2,016,000	60%	3,500.0	\$27,294.87	\$26,962.98	(\$331.89)	-1.22%	\$76,338.18	\$76,525.57	\$187.39	0.25%	\$103,633.05	\$103,488.55	(\$144.50)	-0.14%
2,016,000	50%	3,500.0	\$27,294.87	\$26,962.98	(\$331.89)	-1.22%	\$72,672.73	\$72,860.12	\$187.39	0.25%	\$99,967.60	\$99,823.10	(\$144.50)	-0.14%
2,016,000	40%	3,500.0	\$27,294.87	\$26,962.98	(\$331.89)	-1.22%	\$69,007.27	\$69,194.67	\$187.40	0.20%	\$96,302.14	\$96,157.65	(\$144.49)	-0.14%
2,010,000	4070	3,300.0	321,294.61		(\$331.69)	-1.22/0	\$09,007.27		\$107.40	0.2776	390,302.14	\$70,137.03	(3144.49)	-0.1376
1,152,000	60%	4,000.0	\$23,481.33	\$23,217.24	(\$264.09)	-1.12%	\$43,621.82	\$43,728.90	\$107.08	0.25%	\$67,103.15	\$66,946.14	(\$157.01)	-0.23%
1,152,000	50%	4,000.0	\$23,481.33	\$23,217.24	(\$264.09)	-1.12%	\$41,527.27	\$41,634.35	\$107.08	0.26%	\$65,008.60	\$64,851.59	(\$157.01)	-0.24%
1,152,000	40%	4,000.0	\$23,481.33	\$23,217.24	(\$264.09)	-1.12%	\$39,432.73	\$39,539.81	\$107.08	0.27%	\$62,914.06	\$62,757.05	(\$157.01)	-0.25%
2,000,000	60%	4,000.0	\$29,010.10	\$28,624.67	(\$385.44)	-1.33%	\$75,732.32	\$75,918.23	\$185.91	0.25%	\$104,742.42	\$104,542.90	(\$199.53)	-0.19%
2,000,000	50%	4,000.0	\$29,010.10	\$28,624.67	(\$385.44)	-1.33%	\$72,095.96	\$72,281.86	\$185.90	0.26%	\$101,106.06	\$100,906.53	(\$199.54)	-0.20%
2,000,000	40%	4,000.0	\$29,010.10	\$28,624.67	(\$385.44)	-1.33%	\$68,459.60	\$68,645.50	\$185.90	0.27%	\$97,469.70	\$97,270.17	(\$199.54)	-0.20%
2,304,000	60%	4,000.0	\$30,992.12	\$30,563.18	(\$428.94)	-1.38%	\$87,243.64	\$87,457.80	\$214.16	0.25%	\$118,235.76	\$118,020.98	(\$214.78)	-0.18%
2,304,000	50%	4,000.0	\$30,992.12	\$30,563.18	(\$428.94)	-1.38%	\$83,054.55	\$83,268.71	\$214.16	0.26%	\$114,046.67	\$113,831.89	(\$214.78)	-0.19%
2,304,000	40%	4,000.0	\$30,992.12	\$30,563.18	(\$428.94)	-1.38%	\$78,865.45	\$79,079.62	\$214.17	0.27%	\$109,857.57	\$109,642.80	(\$214.77)	-0.20%
3,888,000	60%	13,500.0	\$75.890.89	\$74,174.34	(\$1,716.56)	-2.26%	\$147.223.64	\$147.585.04	\$361.40	0.25%	\$223.114.53	\$221.759.38	(\$1,355,16)	-0.61%
3,888,000	50%	13,500.0	\$75,890.89	\$74,174.34	(\$1,716.56)	-2.26%	\$140,154.55	\$140,515.95	\$361.40	0.26%	\$216,045.44	\$214,690.29	(\$1,355.16)	-0.63%
3,888,000	40%	13,500.0	\$75,890.89	\$74,174.34	(\$1,716.56)	-2.26%	\$133,085.45	\$133,446.85	\$361.40	0.27%	\$208,976.34	\$207,621.19	(\$1,355.16)	-0.65%
5,832,000	60%	13,500.0	\$88,565.35	\$86,570.61	(\$1,994.74)	-2.25%	\$220.835.45	\$221,377.55	\$542.10	0.25%	\$309,400,80	\$307.948.16	(\$1,452.64)	-0.47%
5,832,000	50%	13,500.0	\$88,565.35	\$86,570.61	(\$1,994.74)	-2.25%	\$210,231.82	\$210,773.92	\$542.10	0.25%	\$298,797.17	\$297,344.53	(\$1,452.64)	-0.49%
5,832,000	40%	13,500.0	\$88,565.35	\$86,570.61	(\$1,994.74)	-2.25%	\$199,628.18	\$200,170.28	\$542.10	0.27%	\$288,193.53	\$286,740.89	(\$1,452.64)	-0.50%
7,776,000	60%	13,500.0	\$101,239.81	\$98,966.89	(\$2,272.92)	-2.25%	\$294.447.27	\$295,170.07	\$722.80	0.25%	\$395.687.08	\$394.136.96	(\$1,550.12)	-0.39%
7,776,000	50%	13,500.0	\$101,239.81	\$98,966.89	(\$2,272.92)	-2.25% -2.25%	\$294,447.27	\$295,170.07 \$281,031.89	\$722.80 \$722.80	0.25%	\$395,687.08	\$394,136.96	(\$1,550.12)	-0.39% -0.41%
7,776,000	40%	13,500.0	\$101,239.81	\$98,966.89	(\$2,272.92)	-2.25%	\$266,170.91	\$266,893.71	\$722.80	0.20%	\$367,410.72	\$365,860.60	(\$1,550.12)	-0.41%
1,770,000	4070	13,300.0	\$101,237.81	\$70,700.89	(\$4,414.74)	-2.2370	\$200,170.91	9400,073./I	\$144.00	0.2770	\$307,410.72	\$303,000.00	(\$1,330.12)	-U.42%

Current			Proposed		
Customer Charge		\$1,400.00	Customer Charge		\$1,744.00
T&D Demand Charge	kW x	\$3.56	T&D Demand Charge	kW x	\$3.45
Revenue Decoupling Mechanisn	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162	Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge On Peal	kWh x	\$0.04088	Commodity Energy Charge On Peal	kWh x	\$0.04088
Commodity Energy Charge Off Peal	kWh x	\$0.02288	Commodity Energy Charge Off Peal	kWh x	\$0.02288
Transmission Revenue Adjustment Charge	kWh x	(\$0.00222)	Transmission Revenue Adjustment Charge	kWh x	(\$0.00055)
Systems Benefits Charge (CES/EES)	kWh x	\$0.007511	Systems Benefits Charge (CES/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330	CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00051	Merchant Function Charge	kWh x	0.00060
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GI Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge, and Commodity GR

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (TRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Curren

			Deliver	У			Commo	dity			Total	l		
kWh Usage On	n-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	\$13,700.68	\$15,785.64	\$2,084.96	15.22%	\$26,450.55	\$26,517.47	\$66.92	0.25%	\$40,151.23	\$42,303.11	\$2,151.88	5.36%
720,000	50%	2,500.0	\$13,700.68	\$15,785.64	\$2,084.96	15.22%	\$25,209.09	\$25,276.02	\$66.93	0.27%	\$38,909.77	\$41,061.66	\$2,151.89	5.53%
720,000	40%	2,500.0	\$13,700.68	\$15,785.64	\$2,084.96	15.22%	\$23,967.64	\$24,034.56	\$66.92	0.28%	\$37,668.32	\$39,820.20	\$2,151.88	5.71%
1,080,000	60%	2,500.0	\$15,143.56	\$17,852.15	\$2,708.60	17.89%	\$39,675.82	\$39,776.21	\$100.39	0.25%	\$54,819.38	\$57,628.36	\$2,808.99	5.12%
1,080,000	50%	2,500.0	\$15,143.56	\$17,852.15	\$2,708.60	17.89%	\$37,813.64	\$37,914.03	\$100.39	0.27%	\$52,957.20	\$55,766.18	\$2,808.99	5.30%
1,080,000	40%	2,500.0	\$15,143.56	\$17,852.15	\$2,708.60	17.89%	\$35,951.45	\$36,051.84	\$100.39	0.28%	\$51,095.01	\$53,903.99	\$2,808.99	5.50%
1,440,000	60%	2,500.0	\$16,586.44	\$19,918.67	\$3,332,23	20.09%	\$52,901.09	\$53.034.94	\$133.85	0.25%	\$69,487,53	\$72,953.61	\$3,466.08	4.99%
1,440,000	50%	2,500.0	\$16,586.44	\$19,918.67	\$3,332.23	20.09%	\$50,418.18	\$50,552.03	\$133.85	0.27%	\$67,004.62	\$70,470.70	\$3,466.08	5.17%
1,440,000	40%	2,500.0	\$16,586.44	\$19,918.67	\$3,332.23	20.09%	\$47,935.27	\$48,069.12	\$133.85	0.28%	\$64,521.71	\$67,987.79	\$3,466.08	5.37%
1,008,000	60%	3,500.0	\$17,766.81	\$20,480.90	\$2,714.09	15.28%	\$37,030.76	\$37,124.46	\$93.70	0.25%	\$54,797.57	\$57,605.36	\$2,807.79	5.12%
1,008,000	50%	3,500.0	\$17,766.81	\$20,480.90	\$2,714.09	15.28%	\$35,292.73	\$35,386.42	\$93.69	0.27%	\$53,059.54	\$55,867.32	\$2,807.78	5.29%
1,008,000	40%	3,500.0	\$17,766.81	\$20,480.90	\$2,714.09	15.28%	\$33,554.69	\$33,648.39	\$93.70	0.28%	\$51,321.50	\$54,129.29	\$2,807.79	5.47%
1,512,000	60%	3,500.0	\$19,786.84	\$23,374.02	\$3,587.19	18.13%	\$55,546,15	\$55,686.69	\$140.54	0.25%	\$75,332.99	\$79,060.71	\$3,727.73	4.95%
1,512,000	50%	3,500.0	\$19,786.84	\$23,374.02	\$3,587.19	18.13%	\$52,939.09	\$53,079.64	\$140.55	0.23%	\$73,332.99	\$76,453.66	\$3,727.74	5.13%
1,512,000	40%	3,500.0	\$19,786.84	\$23,374.02	\$3,587.19	18.13%	\$50,332.04	\$50,472.58	\$140.54	0.28%	\$70,118.88	\$73,846.60	\$3,727.74	5.32%
1,312,000	4070	3,300.0	319,780.64	\$23,374.02	\$3,367.19	10.1370	\$30,332.04	\$30,472.36	\$140.54	0.2870	\$70,116.66	\$75,040.00	\$3,121.13	3.3270
2,016,000	60%	3,500.0	\$21,806.87	\$26,267.15	\$4,460.28	20.45%	\$74,061.53	\$74,248.92	\$187.39	0.25%	\$95,868.40	\$100,516.07	\$4,647.67	4.85%
2,016,000	50%	3,500.0	\$21,806.87	\$26,267.15	\$4,460.28	20.45%	\$70,585.45	\$70,772.85	\$187.40	0.27%	\$92,392.32	\$97,040.00	\$4,647.68	5.03%
2,016,000	40%	3,500.0	\$21,806.87	\$26,267.15	\$4,460.28	20.45%	\$67,109.38	\$67,296.77	\$187.39	0.28%	\$88,916.25	\$93,563.92	\$4,647.67	5.23%
1,152,000	60%	4,000.0	\$19,799.87	\$22,828.54	\$3,028.66	15.30%	\$42,320.87	\$42,427.95	\$107.08	0.25%	\$62,120.74	\$65,256.49	\$3,135.74	5.05%
1,152,000	50%	4,000.0	\$19,799.87	\$22,828.54	\$3,028.66	15.30%	\$40,334,55	\$40,441.63	\$107.08	0.27%	\$60,134.42	\$63,270.17	\$3,135.74	5.21%
1,152,000	40%	4,000.0	\$19,799.87	\$22,828.54	\$3,028.66	15.30%	\$38,348.22	\$38,455.30	\$107.08	0.28%	\$58,148.09	\$61,283.84	\$3,135.74	5.39%
1,728,000	60%	4,000.0	\$22,108.48	\$26,134.96	\$4,026.48	18.21%	\$63,481.31	\$63,641.93	\$160.62	0.25%	\$85,589.79	\$89,776.89	\$4,187.10	4.89%
1,728,000	50%	4,000.0	\$22,108.48	\$26,134.96	\$4,026.48	18.21%	\$60,501.82	\$60,662.44	\$160.62	0.27%	\$82,610.30	\$86,797.40	\$4,187.10	5.07%
1,728,000	40%	4,000.0	\$22,108.48	\$26,134.96	\$4,026.48	18.21%	\$57,522.33	\$57,682.95	\$160.62	0.28%	\$79,630.81	\$83,817.91	\$4,187.10	5.26%
2,304,000	60%	4,000.0	\$24.417.09	\$29.441.39	\$5.024.30	20.58%	\$84.641.75	\$84,855.91	\$214.16	0.25%	\$109.058.84	\$114,297.30	\$5,238.46	4.80%
2,304,000	50%	4,000.0	\$24,417.09	\$29,441.39	\$5,024.30	20.58%	\$80,669.09	\$80,883.25	\$214.16	0.23%	\$105,086.18	\$110,324.64	\$5,238.46	4.98%
2,304,000	40%	4,000.0	\$24,417.09	\$29,441.39	\$5,024.30	20.58%	\$76,696.44	\$76,910.60	\$214.16	0.28%	\$101,113.53	\$106,351.99	\$5,238.46	5.18%
2 000 000	600/	11 500 0	652 604 45	661 240 45	60 745 00	16.6207	61 42 622 65	£1.42.10.4.25	6261.40	0.250/	6105 427 40	6204 542 00	60.106.40	4.660/
3,888,000	60% 50%	11,500.0	\$52,604.45 \$52,604.45	\$61,349.45 \$61,349.45	\$8,745.00 \$8,745.00	16.62%	\$142,832.95	\$143,194.35	\$361.40 \$361.40	0.25%	\$195,437.40	\$204,543.80 \$197,839.94	\$9,106.40 \$9,106.40	4.66%
3,888,000		11,500.0				16.62%	\$136,129.09	\$136,490.49		0.27%	\$188,733.54			4.83%
3,888,000	40%	11,500.0	\$52,604.45	\$61,349.45	\$8,745.00	16.62%	\$129,425.24	\$129,786.64	\$361.40	0.28%	\$182,029.69	\$191,136.09	\$9,106.40	5.00%
6,300,000	60%	12,000.0	\$63,727.66	\$76,716.13	\$12,988.47	20.38%	\$231,442.27	\$232,027.87	\$585.60	0.25%	\$295,169.93	\$308,744.00	\$13,574.07	4.60%
6,300,000	50%	12,000.0	\$63,727.66	\$76,716.13	\$12,988.47	20.38%	\$220,579.55	\$221,165.15	\$585.60	0.27%	\$284,307.21	\$297,881.28	\$13,574.07	4.77%
6,300,000	40%	12,000.0	\$63,727.66	\$76,716.13	\$12,988.47	20.38%	\$209,716.82	\$210,302.42	\$585.60	0.28%	\$273,444.48	\$287,018.55	\$13,574.07	4.96%
7,776,000	60%	13,500.0	\$74,011.20	\$89,751.92	\$15,740,72	21.27%	\$285,665,89	\$286,388.69	\$722.80	0.25%	\$359.677.09	\$376,140.61	\$16,463.52	4.58%
7,776,000	50%	13,500.0	\$74,011.20	\$89,751.92		21.27%	\$272,258.18	\$272,980.98	\$722.80	0.27%	\$346,269.38	\$362,732.90		4.75%
7,776,000	40%	13,500.0	\$74,011.20	\$89,751.92		21.27%	\$258,850.47	\$259,573.27	\$722.80	0.28%	\$332,861.67	\$349,325.19		4.95%

Current			<u>Proposed</u>		
Customer Charge		\$3,500.00	Customer Charge		\$4,007.00
T&D Demand Charge	kW x	\$2.84	T&D Demand Charge	kW x	\$2.97
Revenue Decoupling Mechanisn	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162	Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge On Peal	kWh x	\$0.03939	Commodity Energy Charge On Peal	kWh x	\$0.03939
Commodity Energy Charge Off Peal	kWh x	\$0.02232	Commodity Energy Charge Off Peal	kWh x	\$0.02232
Transmission Revenue Adjustment Charge	kWh x	(\$0.00471)	Transmission Revenue Adjustment Charge	kWh x	(\$0.00118)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007511	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330	CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00051	Merchant Function Charge	kWh x	0.00060
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.99	Commodity	Bill /	0.99
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Charge and Delivery GI Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC1-RESIDENTIAL Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

		Delivery				Comm	odity		Total			
cWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Curren	t Proposed	Difference	Change
100	\$23.45	\$23.96	\$0.51	2.17%	\$4.27	\$4.27	\$0.00	0.00%	\$27.72	\$28.23	\$0.51	1.84%
200	\$29.38	\$30.39	\$1.01	3.44%	\$8.53	\$8.53	\$0.00	0.00%	\$37.91	\$38.92	\$1.01	2.66%
300	\$35.30	\$36.82	\$1.52	4.31%	\$12.80	\$12.80	\$0.00	0.00%	\$48.10	\$49.62	\$1.52	3.16%
400	\$41.23	\$43.25	\$2.02	4.90%	\$17.06	\$17.06	\$0.00	0.00%	\$58.29	\$60.31	\$2.02	3.47%
500	\$47.16	\$49.68	\$2.52	5.34%	\$21.33	\$21.33	\$0.00	0.00%	\$68.49	\$71.01	\$2.52	3.68%
600	\$53.08	\$56.11	\$3.03	5.71%	\$25.59	\$25.59	\$0.00	0.00%	\$78.67	\$81.70	\$3.03	3.85%
700	\$59.01	\$62.54	\$3.53	5.98%	\$29.86	\$29.86	\$0.00	0.00%	\$88.87	\$92.40	\$3.53	3.97%
800	\$64.94	\$68.97	\$4.03	6.21%	\$34.12	\$34.12	\$0.00	0.00%	\$99.06	\$103.09	\$4.03	4.07%
900	\$70.86	\$75.40	\$4.54	6.41%	\$38.39	\$38.39	\$0.00	0.00%	\$109.25	\$113.79	\$4.54	4.16%
1,000	\$76.79	\$81.83	\$5.04	6.56%	\$42.65	\$42.65	\$0.00	0.00%	\$119.44	\$124.48	\$5.04	4.22%
1,100	\$82.71	\$88.26	\$5.55	6.71%	\$46.92	\$46.92	\$0.00	0.00%	\$129.63	\$135.18	\$5.55	4.28%
1,200	\$88.64	\$94.69	\$6.05	6.83%	\$51.18	\$51.18	\$0.00	0.00%	\$139.82	\$145.87	\$6.05	4.33%
1,300	\$94.57	\$101.12	\$6.55	6.93%	\$55.45	\$55.45	\$0.00	0.00%	\$150.02	\$156.57	\$6.55	4.37%
1,400	\$100.49	\$107.55	\$7.06	7.03%	\$59.71	\$59.71	\$0.00	0.00%	\$160.20	\$167.26	\$7.06	4.41%
1,500	\$106.42	\$113.98	\$7.56	7.10%	\$63.98	\$63.98	\$0.00	0.00%	\$170.40	\$177.96	\$7.56	4.44%
1,600	\$112.35	\$120.41	\$8.06	7.17%	\$68.24	\$68.24	\$0.00	0.00%	\$180.59	\$188.65	\$8.06	4.46%
1,700	\$118.27	\$126.84	\$8.57	7.25%	\$72.51	\$72.51	\$0.00	0.00%	\$190.78	\$199.35	\$8.57	4.49%
1,800	\$124.20	\$133.27	\$9.07	7.30%	\$76.77	\$76.77	\$0.00	0.00%	\$200.97	\$210.04	\$9.07	4.51%
1,900	\$130.13	\$139.70	\$9.57	7.35%	\$81.04	\$81.04	\$0.00	0.00%	\$211.17	\$220.74	\$9.57	4.53%
2,000	\$136.05	\$146.13	\$10.08	7.41%	\$85.30	\$85.30	\$0.00	0.00%	\$221.35	\$231.43	\$10.08	4.55%
2,200	\$147.90	\$158.99	\$11.09	7.50%	\$93.83	\$93.83	\$0.00	0.00%	\$241.73	\$252.82	\$11.09	4.59%
2,400	\$159.76	\$171.86	\$12.10	7.57%	\$102.36	\$102.36	\$0.00	0.00%	\$262.12	\$274.22	\$12.10	4.62%
2,600	\$171.61	\$184.72	\$13.11	7.64%	\$110.89	\$110.89	\$0.00	0.00%	\$282.50	\$295.61	\$13.11	4.64%
2,800	\$183.46	\$197.58	\$14.12	7.70%	\$119.42	\$119.42	\$0.00	0.00%	\$302.88	\$317.00	\$14.12	4.66%
3,000	\$195.31	\$210.44	\$15.13	7.75%	\$127.95	\$127.95	\$0.00	0.00%	\$323.26	\$338.39	\$15.13	4.68%
3,200	\$207.17	\$223.30	\$16.13	7.79%	\$136.48	\$136.48	\$0.00	0.00%	\$343.65	\$359.78	\$16.13	4.69%
3,400	\$219.02	\$236.16	\$17.14	7.83%	\$145.01	\$145.01	\$0.00	0.00%	\$364.03	\$381.17	\$17.14	4.71%
3,600	\$230.87	\$249.02	\$18.15	7.86%	\$153.54	\$153.54	\$0.00	0.00%	\$384.41	\$402.56	\$18.15	4.72%
3,800	\$242.72	\$261.88	\$19.16	7.89%	\$162.07	\$162.07	\$0.00	0.00%	\$404.79	\$423.95	\$19.16	4.73%
4,000	\$254.58	\$274.74	\$20.16	7.92%	\$170.60	\$170.60	\$0.00	0.00%	\$425.18	\$445.34	\$20.16	4.74%

<u>Current</u>			<u>Proposed</u>		
Customer Charge		\$17.00	Customer Charge		\$17.00
T&D Energy Charge	kWh x	\$0.05044	T&D Energy Charge	kWh x	\$0.05533
Revenue Decoupling Mechanism	kWh x	\$0.00000	Revenue Decoupling Mechanism	kWh x	\$0.00000
Legacy Transition Charge	kWh x	\$0.001189	Legacy Transition Charge	kWh x	\$0.001189
Electricity Supply Rate Mechanism	kWh x	\$0.001460	Electricity Supply Rate Mechanism	kWh x	\$0.001460
Commodity Energy Charge	kWh x	\$0.03517	Commodity Energy Charge	kWh x	\$0.03517
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment	kWh x	\$0.000000	Incremental State Assessment	kWh x	\$0.000000
Merchant Function Charge	kWh x	\$0.00197	Merchant Function Charge	kWh x	\$0.00197
DLM Surcharge	kWh x	\$0.00016	DLM Surcharge	kWh x	\$0.00016
CES Supply Charge	kWh x	\$0.00363	CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9700	Delivery	Bill /	0.9700

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GRT. Commodity includes the Commodity Energy charge, Electricity Supply Rate Mechanism, Merchant Function Charge, CES Supply Charge and Commodity GRT.

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID

#### TYPICAL BILL IMPACTS SC-1C RESIDENTIAL Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

On-Pe	eak			Delive	ery			Comn	nodity		Total				
Wh UsagePe	ercentage	Ī	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	(	Current	Proposed	Difference	Change
		-													
500	7%		\$50.24	\$51.09	\$0.85	1.69%	\$20.79	\$20.79	\$0.00	0.00%		\$71.03	\$71.88	\$0.85	1.20%
600	7%		\$54.10	\$55.12	\$1.02	1.89%	\$24.95	\$24.95	\$0.00	0.00%		\$79.05	\$80.07	\$1.02	1.29%
700	7%		\$57.96	\$59.16	\$1.20	2.07%	\$29.11	\$29.11	\$0.00	0.00%		\$87.07	\$88.27	\$1.20	1.38%
800	7%		\$61.83	\$63.19	\$1.36	2.20%	\$33.27	\$33.27	\$0.00	0.00%	5	\$95.10	\$96.46	\$1.36	1.43%
900	7%		\$65.69	\$67.22	\$1.53	2.33%	\$37.43	\$37.43	\$0.00	0.00%	\$1	103.12	\$104.65	\$1.53	1.48%
1,000	7%		\$69.55	\$71.25	\$1.70	2.44%	\$41.59	\$41.59	\$0.00	0.00%	\$1	111.14	\$112.84	\$1.70	1.53%
1,100	7%		\$73.41	\$75.28	\$1.87	2.55%	\$45.75	\$45.75	\$0.00	0.00%	\$1	119.16	\$121.03	\$1.87	1.57%
1,200	7%		\$77.28	\$79.32	\$2.04	2.64%	\$49.91	\$49.91	\$0.00	0.00%		127.19	\$129.23	\$2.04	1.60%
1,300	7%		\$81.14	\$83.35	\$2.21	2.72%	\$54.06	\$54.06	\$0.00	0.00%		135.20	\$137.41	\$2.21	1.63%
1,400	7%		\$85.00	\$87.38	\$2.38	2.80%	\$58.22	\$58.22	\$0.00	0.00%	\$1	143.22	\$145.60	\$2.38	1.66%
1,500	7%		\$88.86	\$91.41	\$2.55	2.87%	\$62.38	\$62.38	\$0.00	0.00%		151.24	\$153.79	\$2.55	1.69%
1,600	7%		\$92.73	\$95.45	\$2.72	2.93%	\$66.54	\$66.54	\$0.00	0.00%		159.27	\$161.99	\$2.72	1.71%
1,700	7%		\$96.59	\$99.48	\$2.89	2.99%	\$70.70	\$70.70	\$0.00	0.00%	\$	167.29	\$170.18	\$2.89	1.73%
1,800	7%		\$100.45	\$103.51	\$3.06	3.05%	\$74.86	\$74.86	\$0.00	0.00%		175.31	\$178.37	\$3.06	1.75%
1,900	7%		\$104.31	\$107.54	\$3.23	3.10%	\$79.02	\$79.02	\$0.00	0.00%		183.33	\$186.56	\$3.23	1.76%
2.000	70/		6100.10	¢111 50	62.40	2 1 40/	602.10	602.10	£0.00	0.000/	<b>6</b> .	101.26	610476	62.40	1.700/
2,000 2,100	7% 7%		\$108.18	\$111.58	\$3.40	3.14%	\$83.18	\$83.18	\$0.00	0.00%		191.36	\$194.76	\$3.40	1.78% 1.79%
	7% 7%		\$112.04	\$115.61	\$3.57	3.19%	\$87.33	\$87.33	\$0.00			199.37	\$202.94	\$3.57	
2,200	7%		\$115.90	\$119.64	\$3.74	3.23%	\$91.49	\$91.49	\$0.00	0.00%	3.	207.39	\$211.13	\$3.74	1.80%
2,300	7%		\$119.76	\$123.67	\$3.91	3.26%	\$95.65	\$95.65	\$0.00	0.00%	\$2	215.41	\$219.32	\$3.91	1.82%
2,400	7%		\$123.62	\$127.71	\$4.09	3.31%	\$99.81	\$99.81	\$0.00	0.00%	\$2	223.43	\$227.52	\$4.09	1.83%
2,500	7%		\$127.49	\$131.74	\$4.25	3.33%	\$103.97	\$103.97	\$0.00	0.00%	\$2	231.46	\$235.71	\$4.25	1.84%
2,600	7%		\$131.35	\$135.77	\$4.42	3.37%	\$108.13	\$108.13	\$0.00	0.00%	\$2	239.48	\$243.90	\$4.42	1.85%
2,700	7%		\$135.21	\$139.80	\$4.59	3.39%	\$112.29	\$112.29	\$0.00	0.00%		247.50	\$252.09	\$4.59	1.85%
2,800	7%		\$139.07	\$143.84	\$4.77	3.43%	\$116.45	\$116.45	\$0.00	0.00%	\$2	255.52	\$260.29	\$4.77	1.87%
2,900	7%		\$142.94	\$147.87	\$4.93	3.45%	\$120.60	\$120.60	\$0.00	0.00%	\$1	263.54	\$268.47	\$4.93	1.87%
3,000	7%		\$146.80	\$151.90	\$5.10	3.47%	\$124.76	\$124.76	\$0.00	0.00%		271.56	\$276.66	\$5.10	1.88%
3,100	7%		\$150.66	\$155.93	\$5.27	3.50%	\$128.92	\$128.92	\$0.00	0.00%		279.58	\$284.85	\$5.27	1.88%
3,200	7%		\$154.52	\$159.97	\$5.45	3.53%	\$133.08	\$133.08	\$0.00	0.00%	6.	287.60	\$293.05	\$5.45	1.89%
3,300	7%		\$154.32 \$158.39	\$159.97	\$5.43 \$5.61	3.54%	\$133.08	\$133.06	\$0.00	0.00%		295.63	\$293.03	\$5.43 \$5.61	1.90%
3,400	7%		\$162.25	\$168.03	\$5.78	3.56%	\$141.40	\$141.40	\$0.00	0.00%		303.65	\$301.24	\$5.78	1.90%
2.506	70:		01661:	0172.06	#5 O5	2.5061	014555	014555	#0.0C	0.000/		211.67	6217 62	#5.05	1.0107
3,500	7%		\$166.11	\$172.06	\$5.95	3.58%	\$145.56	\$145.56	\$0.00	0.00%		311.67	\$317.62	\$5.95	1.91%
3,600	7%		\$169.97	\$176.10	\$6.13	3.61%	\$149.72	\$149.72	\$0.00	0.00%		319.69	\$325.82	\$6.13	1.92%
3,700	7%		\$173.84	\$180.13	\$6.29	3.62%	\$153.87	\$153.87	\$0.00	0.00%	\$.	327.71	\$334.00	\$6.29	1.92%
3,900	7%		\$181.56	\$188.19	\$6.63	3.65%	\$162.19	\$162.19	\$0.00	0.00%	\$3	343.75	\$350.38	\$6.63	1.93%
4,200	7%		\$193.15	\$200.29	\$7.14	3.70%	\$174.67	\$174.67	\$0.00	0.00%	\$3	367.82	\$374.96	\$7.14	1.94%
4,500	7%		\$204.73	\$212.39	\$7.66	3.74%	\$187.14	\$187.14	\$0.00	0.00%	\$3	391.87	\$399.53	\$7.66	1.95%

<u>Current</u>				<u>Proposed</u>		
Customer Charge			\$30.00	Customer Charge		\$30.00
T&D Energy Charge		kWh x	\$0.03042	T&D Energy Charge	kWh x	\$0.03207
Revenue Decoupling Mechanism		kWh x	\$0.00000	Revenue Decoupling Mechanism	kWh x	\$0.00000
Legacy Transition Charge		kWh x	\$0.001189	Legacy Transition Charge	kWh x	\$0.001189
Commodity On Peak	7%	kWh x	\$0.05350	Commodity On Peak	kWh x	\$0.05350
Commodity Shoulder Peak	12%	kWh x	\$0.04610	Commodity Shoulder Peak	kWh x	\$0.04610
Commodity Off Peak	81%	kWh x	\$0.03247	Commodity Off Peak	kWh x	\$0.03247
Transmission Revenue Adjustme	nt Chars	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (SBC/C	ES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Su	rcharge	kWh x	\$0.000000	Incremental State Assessment Surcharge	kWh x	\$0.000000
Merchant Function Charge		kWh x	\$0.00197	Merchant Function Charge	kWh x	\$0.00197
DLM Surcharge		kWh x	\$0.00016	DLM Surcharge	kWh x	\$0.00016
CES Supply Charge		kWh x	\$0.00363	CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge		kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax				Gross Receipts Tax		
Commodity		Bill /	0.9900	Commodity	Bill /	0.9900
Delivery		Bill /	0.9700	Delivery	Bill /	0.9700

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC2-SMALL GENERAL SERVICE (UNMETERED DEMAND)

Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

		Deli	ivery			Comm	odity			То	tal	
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
150	\$30.73	\$31.40	\$0.67	2.18%	\$6.70	\$6.70	\$0.00	0.00%	\$37.43	\$38.10	\$0.67	1.79%
250	\$37.07	\$38.18	\$1.11	2.99%	\$11.17	\$11.17	\$0.00	0.00%	\$48.24	\$49.35	\$1.11	2.30%
350	\$43.40	\$44.96	\$1.56	3.59%	\$15.64	\$15.64	\$0.00	0.00%	\$59.04	\$60.60	\$1.56	2.64%
450	\$49.74	\$51.74	\$2.00	4.02%	\$20.11	\$20.11	\$0.00	0.00%	\$69.85	\$71.85	\$2.00	2.86%
550	\$56.07	\$58.52	\$2.45	4.37%	\$24.58	\$24.58	\$0.00	0.00%	\$80.65	\$83.10	\$2.45	3.04%
650	\$62.41	\$65.30	\$2.89	4.63%	\$29.05	\$29.05	\$0.00	0.00%	\$91.46	\$94.35	\$2.89	3.16%
750	\$68.74	\$72.08	\$3.34	4.86%	\$33.52	\$33.52	\$0.00	0.00%	\$102.26	\$105.60	\$3.34	3.27%
850	\$75.08	\$78.86	\$3.78	5.03%	\$37.99	\$37.99	\$0.00	0.00%	\$113.07	\$116.85	\$3.78	3.34%
950	\$81.41	\$85.64	\$4.23	5.20%	\$42.46	\$42.46	\$0.00	0.00%	\$123.87	\$128.10	\$4.23	3.41%
1,050	\$87.75	\$92.41	\$4.66	5.31%	\$46.93	\$46.93	\$0.00	0.00%	\$134.68	\$139.34	\$4.66	3.46%
1,150	\$94.08	\$99.19	\$5.11	5.43%	\$51.39	\$51.39	\$0.00	0.00%	\$145.47	\$150.58	\$5.11	3.51%
1,250	\$100.42	\$105.97	\$5.55	5.53%	\$55.86	\$55.86	\$0.00	0.00%	\$156.28	\$161.83	\$5.55	3.55%
1,350	\$106.75	\$112.75	\$6.00	5.62%	\$60.33	\$60.33	\$0.00	0.00%	\$167.08	\$173.08	\$6.00	3.59%
1,450	\$113.09	\$119.53	\$6.44	5.69%	\$64.80	\$64.80	\$0.00	0.00%	\$177.89	\$184.33	\$6.44	3.62%
1,550	\$119.42	\$126.31	\$6.89	5.77%	\$69.27	\$69.27	\$0.00	0.00%	\$188.69	\$195.58	\$6.89	3.65%
1,650	\$125.76	\$133.09	\$7.33	5.83%	\$73.74	\$73.74	\$0.00	0.00%	\$199.50	\$206.83	\$7.33	3.67%
1,750	\$132.09	\$139.87	\$7.78	5.89%	\$78.21	\$78.21	\$0.00	0.00%	\$210.30	\$218.08	\$7.78	3.70%
1,850	\$138.43	\$146.65	\$8.22	5.94%	\$82.68	\$82.68	\$0.00	0.00%	\$221.11	\$229.33	\$8.22	3.72%
1,950	\$144.76	\$153.43	\$8.67	5.99%	\$87.15	\$87.15	\$0.00	0.00%	\$231.91	\$240.58	\$8.67	3.74%
2,050	\$151.10	\$160.21	\$9.11	6.03%	\$91.62	\$91.62	\$0.00	0.00%	\$242.72	\$251.83	\$9.11	3.75%

Current			Proposed		
Customer Charge		\$21.02	Customer Charge		\$21.02
T&D Energy Charge	kWh x	\$0.05567	T&D Energy Charge	kWh x	\$0.06007
Revenue Decoupling Mechanism	kWh x	\$0.00000	Revenue Decoupling Mechanism	kWh x	\$0.00000
Legacy Transition Charge	kWh x	\$0.001189	Legacy Transition Charge	kWh x	\$0.001189
Electricity Supply Rate Mechanism	kWh x	\$0.001460	Electricity Supply Rate Mechanism	kWh x	\$0.001460
Commodity Energy Charge	kWh x	\$0.03719	Commodity Energy Charge	kWh x	\$0.03719
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CES/EES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00197	Merchant Function Charge	kWh x	\$0.00197
Incremental State Assessment Surcharge	kWh x	\$0.00000	Incremental State Assessment Surcharge	kWh x	\$0.00000
DLM Surcharge	kWh x	\$0.00016	DLM Surcharge	kWh x	\$0.00016
CES Supply Charge	kWh x	\$0.00363	CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GRT. Commodity includes the Commodity Energy charge, Electricity Supply Rate Mechanism, Merchant Function Charge, CES Supply Charge and Commodity GRT.

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC2-SMALL GENERAL SERVICE (METERED DEMAND) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

			Deliv	ery		Commodity					Total		
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
1,008	7.0	\$135.39	\$141.40	\$6.01	4.44%	\$40.64	\$40.64	\$0.00	0.00%	\$176.03	\$182.04	\$6.01	3.41%
1,512	7.0	\$138.90	\$144.91	\$6.01	4.33%	\$60.97	\$60.97	\$0.00	0.00%	\$199.87	\$205.88	\$6.01	3.01%
2,016	7.0	\$142.40	\$148.41	\$6.01	4.22%	\$81.29	\$81.29	\$0.00	0.00%	\$223.69	\$229.70	\$6.01	2.69%
2,520	7.0	\$145.91	\$151.92	\$6.01	4.12%	\$101.61	\$101.61	\$0.00	0.00%	\$247.52	\$253.53	\$6.01	2.43%
2,160	15.0	\$229.49	\$242.37	\$12.88	5.61%	\$87.09	\$87.09	\$0.00	0.00%	\$316.58	\$329.46	\$12.88	4.07%
3,240	15.0	\$237.00	\$249.88	\$12.88	5.43%	\$130.64	\$130.64	\$0.00	0.00%	\$367.64	\$380.52	\$12.88	3.50%
4,320	15.0	\$244.52	\$257.40	\$12.88	5.27%	\$174.19	\$174.19	\$0.00	0.00%	\$418.71	\$431.59	\$12.88	3.08%
5,400	15.0	\$252.04	\$264.92	\$12.88	5.11%	\$217.74	\$217.74	\$0.00	0.00%	\$469.78	\$482.66	\$12.88	2.74%
3,600	25.0	\$347.11	\$368.58	\$21.47	6.19%	\$145.16	\$145.16	\$0.00	0.00%	\$492.27	\$513.74	\$21.47	4.36%
5,400	25.0	\$359.64	\$381.10	\$21.46	5.97%	\$217.74	\$217.74	\$0.00	0.00%	\$577.38	\$598.84	\$21.46	3.72%
7,000	25.0	\$370.77	\$392.24	\$21.47	5.79%	\$282.25	\$282.25	\$0.00	0.00%	\$653.02	\$674.49	\$21.47	3.29%
9,000	25.0	\$384.69	\$406.16	\$21.47	5.58%	\$362.89	\$362.89	\$0.00	0.00%	\$747.58	\$769.05	\$21.47	2.87%
5,760	40.0	\$523.55	\$557.89	\$34.34	6.56%	\$232.25	\$232.25	\$0.00	0.00%	\$755.80	\$790.14	\$34.34	4.54%
8,640	40.0	\$543.59	\$577.94	\$34.35	6.32%	\$348.38	\$348.38	\$0.00	0.00%	\$891.97	\$926.32	\$34.35	3.85%
11,520	40.0	\$563.64	\$597.98	\$34.34	6.09%	\$464.50	\$464.50	\$0.00	0.00%	\$1,028.14	\$1,062.48	\$34.34	3.34%
14,400	40.0	\$583.68	\$618.02	\$34.34	5.88%	\$580.63	\$580.63	\$0.00	0.00%	\$1,164.31	\$1,198.65	\$34.34	2.95%
0.640					- <b>-</b> 00/	****							
8,640	60.0	\$758.80	\$810.31	\$51.51	6.79%	\$348.38	\$348.38	\$0.00	0.00%	\$1,107.18	\$1,158.69	\$51.51	4.65%
12,960	60.0	\$788.86	\$840.38	\$51.52	6.53%	\$522.57	\$522.57	\$0.00	0.00%	\$1,311.43	\$1,362.95	\$51.52	3.93%
17,280	60.0	\$818.93	\$870.44	\$51.51	6.29%	\$696.75	\$696.75	\$0.00	0.00%	\$1,515.68	\$1,567.19	\$51.51	3.40%
21,600	60.0	\$848.99	\$900.51	\$51.52	6.07%	\$870.94	\$870.94	\$0.00	0.00%	\$1,719.93	\$1,771.45	\$51.52	3.00%
11.520	00.0	0004.05	61.072.74	0.00.00	6.010/	0464.50	6464.50	60.00	0.000/	61 450 55	61 527 24	660.60	4.710/
11,520	80.0	\$994.05	\$1,062.74	\$68.69	6.91%	\$464.50	\$464.50	\$0.00	0.00%	\$1,458.55	\$1,527.24	\$68.69 \$68.69	4.71%
17,280	80.0	\$1,034.13	\$1,102.82	\$68.69	6.64%	\$696.75	\$696.75 \$929.01	\$0.00	0.00%	\$1,730.88	\$1,799.57		3.97%
23,040	80.0	\$1,074.22	\$1,142.91	\$68.69	6.39%	\$929.01		\$0.00	0.00%	\$2,003.23	\$2,071.92	\$68.69	3.43%
28,800	80.0	\$1,114.31	\$1,182.99	\$68.68	6.16%	\$1,161.26	\$1,161.26	\$0.00	0.00%	\$2,275.57	\$2,344.25	\$68.68	3.02%
14,400	100.0	\$1,229.30	\$1,315.16	\$85.86	6.98%	\$580.63	\$580.63	\$0.00	0.00%	\$1,809.93	\$1,895.79	\$85.86	4.74%
21,600	100.0	\$1,279.41	\$1,365.26	\$85.85	6.71%	\$870.94	\$870.94	\$0.00	0.00%	\$2,150.35	\$2,236.20	\$85.85	3.99%
28,800	100.0	\$1,329.51	\$1,303.20	\$85.86	6.46%	\$1,161.26	\$1,161.26	\$0.00	0.00%	\$2,130.33	\$2,576.63	\$85.86	3.45%
36,000	100.0	\$1,379.62	\$1,465.48	\$85.86	6.22%	\$1,451.57	\$1,451.57	\$0.00	0.00%	\$2,831.19	\$2,917.05	\$85.86	3.03%

<u>Current</u>			<u>Proposed</u>		
Customer Charge		\$52.52	Customer Charge		\$52.52
T&D Demand Charge	kW x	\$10.61	T&D Demand Charge	kW x	\$11.46
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189	Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03565	Commodity Energy Charge	kWh x	\$0.03565
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00064	Merchant Function Charge	kWh x	\$0.00064
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM Surcharge	kW x	\$0.04	DLM Surcharge	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363	CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GRT. Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (SECONDARY) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

			Delivery	I		Commodity					Total		
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	\$1,564.34	\$1,671.41	\$107.07	6.84%	\$1,148.75	\$1,148.75	\$0.00	0.00%	\$2,713.09	\$2,820.16	\$107.07	3.95%
36,000	100.0	\$1,614.45	\$1,721.52	\$107.07	6.63%	\$1,435.94	\$1,435.94	\$0.00	0.00%	\$3,050.39	\$3,157.46	\$107.07	3.51%
43,200	100.0	\$1,664.56	\$1,771.63	\$107.07	6.43%	\$1,723.12	\$1,723.12	\$0.00	0.00%	\$3,387.68	\$3,494.75	\$107.07	3.16%
57,600	100.0	\$1,764.77	\$1,871.85	\$107.07	6.07%	\$2,297.50	\$2,297.50	\$0.00	0.00%	\$4,062.27	\$4,169.35	\$107.07	2.64%
57,600	200.0	\$2,800.40	\$2,948.89	\$148.48	5.30%	\$2,297.50	\$2,297.50	\$0.00	0.00%	\$5,097.90	\$5,246.39	\$148.48	2.91%
72,000	200.0	\$2,900.62	\$3,049.10	\$148.48	5.12%	\$2,871.87	\$2,871.87	\$0.00	0.00%	\$5,772.49	\$5,920.97	\$148.48	2.57%
86,400	200.0	\$3,000.83	\$3,149.32	\$148.48	4.95%	\$3,446.24	\$3,446.24	\$0.00	0.00%	\$6,447.07	\$6,595.56	\$148.48	2.30%
115,200	200.0	\$3,201.27	\$3,349.75	\$148.48	4.64%	\$4,594.99	\$4,594.99	\$0.00	0.00%	\$7,796.26	\$7,944.74	\$148.48	1.90%
72,000	250.0	\$3,418.43	\$3,587.62	\$169.19	4.95%	\$2,871.87	\$2,871.87	\$0.00	0.00%	\$6,290.30	\$6,459.49	\$169.19	2.69%
90,000	250.0	\$3,543.70	\$3,712.89	\$169.19	4.77%	\$3,589.84	\$3,589.84	\$0.00	0.00%	\$7,133.54	\$7,302.73	\$169.19	2.37%
100,000	250.0	\$3,613.30	\$3,782.49	\$169.19	4.68%	\$3,988.71	\$3,988.71	\$0.00	0.00%	\$7,602.01	\$7,771.20	\$169.19	2.23%
144,000	250.0	\$3,919.51	\$4,088.70	\$169.19	4.32%	\$5,743.74	\$5,743.74	\$0.00	0.00%	\$9,663.25	\$9,832.44	\$169.19	1.75%
144,000	500.0	\$6,508.58	\$6,781.31	\$272.73	4.19%	\$5,743.74	\$5,743.74	\$0.00	0.00%	\$12,252.32	\$12,525.05	\$272.73	2.23%
180,000	500.0	\$6,759.12	\$7,031.85	\$272.73	4.03%	\$7,179.68	\$7,179.68	\$0.00	0.00%	\$13,938.80	\$14,211.53	\$272.73	1.96%
216,000	500.0	\$7,009.66	\$7,282.39	\$272.73	3.89%	\$8,615.61	\$8,615.61	\$0.00	0.00%	\$15,625.27	\$15,898.00	\$272.73	1.75%
288,000	500.0	\$7,510.74	\$7,783.47	\$272.73	3.63%	\$11,487.48	\$11,487.48	\$0.00	0.00%	\$18,998.22	\$19,270.95	\$272.73	1.44%
216,000	750.0	\$9,598.73	\$9,974.99	\$376.26	3.92%	\$8,615.61	\$8,615.61	\$0.00	0.00%	\$18,214.34	\$18,590.60	\$376.26	2.07%
270,000	750.0	\$9,974.54	\$10,350.80	\$376.26	3.77%	\$10,769.51	\$10,769.51	\$0.00	0.00%	\$20,744.05	\$21,120.31	\$376.26	1.81%
324,000	750.0	\$10,350.35	\$10,726.61	\$376.26	3.64%	\$12,923.42	\$12,923.42	\$0.00	0.00%	\$23,273.77	\$23,650.03	\$376.26	1.62%
432,000	750.0	\$11,101.97	\$11,478.23	\$376.26	3.39%	\$17,231.22	\$17,231.22	\$0.00	0.00%	\$28,333.19	\$28,709.45	\$376.26	1.33%
432,000	1,500.0	\$18,869.17	\$19,556.04	\$686.87	3.64%	\$17,231.22	\$17,231.22	\$0.00	0.00%	\$36,100.39	\$36,787.26	\$686.87	1.90%
540,000	1,500.0	\$19,620.80	\$20,307.66	\$686.87	3.50%	\$21,539.03	\$21,539.03	\$0.00	0.00%	\$41,159.83	\$41,846.69	\$686.87	1.67%
648,000	1,500.0	\$20,372.42	\$21,059.29	\$686.87	3.37%	\$25,846.83	\$25,846.83	\$0.00	0.00%	\$46,219.25	\$46,906.12	\$686.87	1.49%
864,000	1,500.0	\$21,875.66	\$22,562.53	\$686.87	3.14%	\$34,462.44	\$34,462.44	\$0.00	0.00%	\$56,338.10	\$57,024.97	\$686.87	1.22%
576,000	2,000.0	\$25,049.47	\$25,943.41	\$893.94	3.57%	\$22,974.96	\$22,974.96	\$0.00	0.00%	\$48,024.43	\$48,918.37	\$893.94	1.86%
720,000	2,000.0	\$26,051.63	\$26,945.57	\$893.94	3.43%	\$28,718.70	\$28,718.70	\$0.00	0.00%	\$54,770.33	\$55,664.27	\$893.94	1.63%
864,000	2,000.0	\$27,053.79	\$27,947.73	\$893.94	3.30%	\$34,462.44	\$34,462.44	\$0.00	0.00%	\$61,516.23	\$62,410.17	\$893.94	1.45%
1,152,000	2,000.0	\$29,058.12	\$29,952.06	\$893.94	3.08%	\$45,949.93	\$45,949.93	\$0.00	0.00%	\$75,008.05	\$75,901.99	\$893.94	1.19%

Current			Proposed		
Customer Charge		\$325.00	Customer Charge		\$390.00
T&D Demand Charge	kW x	\$10.21	T&D Demand Charge	kW x	\$10.62
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189	Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03522	Commodity Energy Charge	kWh x	\$0.03522
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00064	Merchant Function Charge	kWh x	\$0.00064
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363	CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GRT. Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (PRIMARY) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

			Deliver	ry		Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	\$1,515.55	\$1,576.16	\$60.61	4.00%	\$1,114.71	\$1,114.71	\$0.00	0.00%	\$2,630.26	\$2,690.87	\$60.61	2.30%
36,000	100.0	\$1,565.66	\$1,626.27	\$60.61	3.87%	\$1,393.39	\$1,393.39	\$0.00	0.00%	\$2,959.05	\$3,019.66	\$60.61	2.05%
43,200	100.0	\$1,615.77	\$1,676.38	\$60.61	3.75%	\$1,672.07	\$1,672.07	\$0.00	0.00%	\$3,287.84	\$3,348.45	\$60.61	1.84%
57,600	100.0	\$1,715.99	\$1,776.59	\$60.61	3.53%	\$2,229.42	\$2,229.42	\$0.00	0.00%	\$3,945.41	\$4,006.01	\$60.61	1.54%
57,600	200.0	\$2,590.00	\$2,711.21	\$121.21	4.68%	\$2,229.42	\$2,229.42	\$0.00	0.00%	\$4,819.42	\$4,940.63	\$121.21	2.52%
72,000	200.0	\$2,690.21	\$2,811.43	\$121.21	4.51%	\$2,786.78	\$2,786.78	\$0.00	0.00%	\$5,476.99	\$5,598.21	\$121.21	2.21%
86,400	200.0	\$2,790.43	\$2,911.64	\$121.21	4.34%	\$3,344.14	\$3,344.14	\$0.00	0.00%	\$6,134.57	\$6,255.78	\$121.21	1.98%
115,200	200.0	\$2,990.86	\$3,112.07	\$121.21	4.05%	\$4,458.85	\$4,458.85	\$0.00	0.00%	\$7,449.71	\$7,570.92	\$121.21	1.63%
72,000	250.0	\$3,127.22	\$3,278.73	\$151.52	4.85%	\$2,786.78	\$2,786.78	\$0.00	0.00%	\$5,914.00	\$6,065.51	\$151.52	2.56%
90,000	250.0	\$3,252.49	\$3,404.00	\$151.52	4.66%	\$3,483.47	\$3,483.47	\$0.00	0.00%	\$6,735.96	\$6,887.47	\$151.52	2.25%
108,000	250.0	\$3,377.76	\$3,529.27	\$151.52	4.49%	\$4,180.17	\$4,180.17	\$0.00	0.00%	\$7,557.93	\$7,709.44	\$151.52	2.00%
144,000	250.0	\$3,628.30	\$3,779.82	\$151.52	4.18%	\$5,573.56	\$5,573.56	\$0.00	0.00%	\$9,201.86	\$9,353.38	\$151.52	1.65%
144,000	500.0	\$5,813.33	\$6,116.36	\$303.03	5.21%	\$5,573.56	\$5,573.56	\$0.00	0.00%	\$11,386.89	\$11,689.92	\$303.03	2.66%
180,000	500.0	\$6,063.87	\$6,366.90	\$303.03	5.00%	\$6,966.95	\$6,966.95	\$0.00	0.00%	\$13,030.82	\$13,333.85	\$303.03	2.33%
225,000	500.0	\$6,377.04	\$6,680.07	\$303.03	4.75%	\$8,708.69	\$8,708.69	\$0.00	0.00%	\$15,085.73	\$15,388.76	\$303.03	2.01%
288,000	500.0	\$6,815.49	\$7,118.52	\$303.03	4.45%	\$11,147.12	\$11,147.12	\$0.00	0.00%	\$17,962.61	\$18,265.64	\$303.03	1.69%
216,000	750.0	\$8,499.44	\$8,953.98	\$454.55	5.35%	\$8,360.34	\$8,360.34	\$0.00	0.00%	\$16,859.78	\$17,314.32	\$454.55	2.70%
270,000	750.0	\$8,875.25	\$9,329.79	\$454.55	5.12%	\$10,450.42	\$10,450.42	\$0.00	0.00%	\$19,325.67	\$19,780.21	\$454.55	2.35%
324,000	750.0	\$9,251.06	\$9,705.60	\$454.55	4.91%	\$12,540.51	\$12,540.51	\$0.00	0.00%	\$21,791.57	\$22,246.11	\$454.55	2.09%
432,000	750.0	\$10,002.68	\$10,457.22	\$454.55	4.54%	\$16,720.68	\$16,720.68	\$0.00	0.00%	\$26,723.36	\$27,177.90	\$454.55	1.70%
432,000	1,500.0	\$16,557.76	\$17,466.85	\$909.09	5.49%	\$16,720.68	\$16,720.68	\$0.00	0.00%	\$33,278.44	\$34,187.53	\$909.09	2.73%
540,000	1,500.0	\$17,309.38	\$18,218.47	\$909.09	5.25%	\$20,900.85	\$20,900.85	\$0.00	0.00%	\$38,210.23	\$39,119.32	\$909.09	2.38%
648,000	1,500.0	\$18,061.00	\$18,970.09	\$909.09	5.03%	\$25,081.02	\$25,081.02	\$0.00	0.00%	\$43,142.02	\$44,051.11	\$909.09	2.11%
864,000	1,500.0	\$19,564.25	\$20,473.34	\$909.09	4.65%	\$33,441.35	\$33,441.35	\$0.00	0.00%	\$53,005.60	\$53,914.69	\$909.09	1.72%
576,000	2,000.0	\$21,929.98	\$23,142.10	\$1,212.12	5.53%	\$22,294.24	\$22,294.24	\$0.00	0.00%	\$44,224.22	\$45,436.34	\$1,212.12	2.74%
720,000	2,000.0	\$22,932.14	\$24,144.26	\$1,212.12	5.29%	\$27,867.80	\$27,867.80	\$0.00	0.00%	\$50,799.94	\$52,012.06	\$1,212.12	2.39%
864,000	2,000.0	\$23,934.30	\$25,146.42	\$1,212.12	5.06%	\$33,441.35	\$33,441.35	\$0.00	0.00%	\$57,375.65	\$58,587.77	\$1,212.12	2.11%
1,152,000	2,000.0	\$25,938.62	\$27,150.74	\$1,212.12	4.67%	\$44,588.47	\$44,588.47	\$0.00	0.00%	\$70,527.09	\$71,739.21	\$1,212.12	1.72%

<u>Current</u>			Proposed		
Customer Charge		\$436.70	Customer Charge		\$436.70
T&D Demand Charge	kW x	\$8.61	T&D Demand Charge	kW x	\$9.21
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189	Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03405	Commodity Energy Charge	kWh x	\$0.03405
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00064	Merchant Function Charge	kWh x	\$0.00064
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363	CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GR1 Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charage and Commodity GR1

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

			Deli	ery			Comm	odity			Tot	al	
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	\$1,120.91	\$1,208.79	\$87.88	7.84%	\$1,091.15	\$1,091.15	\$0.00	0.00%	\$2,212.06	\$2,299.94	\$87.88	3.97%
36,000	100.0	\$1,171.02	\$1,258.89	\$87.88	7.50%	\$1,363.94	\$1,363.94	\$0.00	0.00%	\$2,534.96	\$2,622.83	\$87.88	3.47%
43,200	100.0	\$1,221.12	\$1,309.00	\$87.88	7.20%	\$1,636.72	\$1,636.72	\$0.00	0.00%	\$2,857.84	\$2,945.72	\$87.88	3.08%
57,600	100.0	\$1,321.34	\$1,409.22	\$87.88	6.65%	\$2,182.30	\$2,182.30	\$0.00	0.00%	\$3,503.64	\$3,591.52	\$87.88	2.51%
57,600	200.0	\$1,596.36	\$1,698.38	\$102.02	6.39%	\$2,182.30	\$2,182.30	\$0.00	0.00%	\$3,778.66	\$3,880.68	\$102.02	2.70%
72,000	200.0	\$1,696.58	\$1,798.60	\$102.02	6.01%	\$2,727.87	\$2,727.87	\$0.00	0.00%	\$4,424.45	\$4,526.47	\$102.02	2.31%
86,400	200.0	\$1,796.79	\$1,898.81	\$102.02	5.68%	\$3,273.44	\$3,273.44	\$0.00	0.00%	\$5,070.23	\$5,172.25	\$102.02	2.01%
115,200	200.0	\$1,997.23	\$2,099.25	\$102.02	5.11%	\$4,364.59	\$4,364.59	\$0.00	0.00%	\$6,361.82	\$6,463.84	\$102.02	1.60%
72,000	250.0	\$1,834.09	\$1,943.18	\$109.09	5.95%	\$2,727.87	\$2,727.87	\$0.00	0.00%	\$4,561.96	\$4,671.05	\$109.09	2.39%
90,000	250.0	\$1.959.36	\$2.068.45	\$109.09	5.57%	\$3,409.84	\$3,409.84	\$0.00	0.00%	\$5,369,20	\$5,478.29	\$109.09	2.03%
108,000	250.0	\$2,084.63	\$2,193.72	\$109.09	5.23%	\$4,091.81	\$4,091.81	\$0.00	0.00%	\$6,176.44	\$6,285.53	\$109.09	1.77%
144,000	250.0	\$2,335.17	\$2,444.26	\$109.09	4.67%	\$5,455.74	\$5,455.74	\$0.00	0.00%	\$7,790.91	\$7,900.00	\$109.09	1.40%
144,000	500.0	\$3,022.72	\$3,167.17	\$144.44	4.78%	\$5,455.74	\$5,455.74	\$0.00	0.00%	\$8,478.46	\$8,622.91	\$144.44	1.70%
180,000	500.0	\$3,273.26	\$3,417.71	\$144.44	4.41%	\$6.819.68	\$6,819.68	\$0.00	0.00%		\$10.237.39	\$144.44	1.43%
216,000	500.0	\$3,523.80	\$3,668.25	\$144.44	4.10%	\$8,183.61	\$8,183.61	\$0.00	0.00%	\$11,707.41	,	\$144.44	1.23%
288,000	500.0	\$4,024.88	\$4,169.33	\$144.44	3.59%		\$10,911.48	\$0.00	0.00%	\$14,936.36		\$144.44	0.97%
216,000	800.0	\$4,348.87	\$4,535.73	\$186.87	4.30%	\$8,183.61	\$8,183.61	\$0.00	0.00%	\$12,532.48	\$12 719 34	\$186.87	1.49%
270,000	800.0	\$4,724.68	\$4,911.54	\$186.87	3.96%		\$10,229.51	\$0.00	0.00%	\$14,954.19		\$186.87	1.25%
320,000	800.0	\$5,072.65	\$5,259.52	\$186.87	3.68%	\$12,123.87		\$0.00	0.00%	\$17,196.52		\$186.87	1.09%
432,000	800.0	\$5,852.11	\$6,038.98	\$186.87	3.19%	\$16,367.22		\$0.00	0.00%	\$22,219.33		\$186.87	0.84%
432,000	1,500.0	\$7,777.26	\$8,063.11	\$285.86	3.68%	\$16,367.22	\$16 367 22	\$0.00	0.00%	\$24,144.48	\$24 430 33	\$285.86	1.18%
540,000	1,500.0	\$8,528.88	\$8,814.73	\$285.86	3.35%		\$20,459.03	\$0.00	0.00%	\$28,987.91		\$285.86	0.99%
648,000	1,500.0	\$9,280.50	\$9,566.36	\$285.86	3.08%	\$24,550.83	,	\$0.00	0.00%	\$33,831.33		\$285.86	0.99%
864,000	1,500.0		\$11,069.60	\$285.86	2.65%	\$32,734.44		\$0.00	0.00%	\$43,518.18		\$285.86	0.66%
576,000	2,000.0	\$10,154.52	\$10.511.00	\$356.57	3.51%	\$21,822.96	\$21 822 06	\$0.00	0.00%	\$31,977.48	\$22 224 05	\$356.57	1.12%
720,000	2,000.0	\$10,134.32		\$356.57 \$356.57	3.20%	\$27,278.70		\$0.00	0.00%	\$38,435.38		\$356.57	0.93%
864,000	2,000.0	\$12,158.85		\$356.57 \$356.57	2.93%	\$32,734.44		\$0.00	0.00%		\$45.249.85	\$356.57	0.93%
1,152,000	2,000.0	\$12,138.83		\$356.57 \$356.57	2.52%	\$43,645.93		\$0.00	0.00%	\$44,893.29	,	\$356.57	0.79%
1,152,000	2,000.0	\$14,163.17	\$14,519.73	\$330.5/	2.52%	\$45,045.93	\$45,045.93	\$0.00	0.00%	\$57,809.10	\$38,103.66	\$330.57	0.62%

Current			<u>Proposed</u>		
Customer Charge		\$639.00	Customer Charge		\$712.00
T&D Demand Charge	kW x	\$2.68	T&D Demand Charge	kW x	\$2.82
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189	Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03324	Commodity Energy Charge	kWh x	\$0.03324
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363	CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00064	Merchant Function Charge	kWh x	\$0.00064
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GRT. Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (TRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

			Delive	ry			Commo	odity			Tota		
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
***													
28,800	100.0	\$1,120.91	\$1,208.79	\$87.88	7.84%	\$1,102.78	\$1,102.78	\$0.00	0.00%	\$2,223.69	\$2,311.57	\$87.88	3.95%
36,000	100.0	\$1,171.02	\$1,258.89	\$87.88	7.50%	\$1,378.48	\$1,378.48	\$0.00	0.00%	\$2,549.50	\$2,637.37	\$87.88	3.45%
43,200	100.0	\$1,221.12	\$1,309.00	\$87.88	7.20%	\$1,654.18	\$1,654.18	\$0.00	0.00%	\$2,875.30	\$2,963.18	\$87.88	3.06%
57,600	100.0	\$1,321.34	\$1,409.22	\$87.88	6.65%	\$2,205.57	\$2,205.57	\$0.00	0.00%	\$3,526.91	\$3,614.79	\$87.88	2.49%
57,600	200.0	\$1,596.36	\$1,698.38	\$102.02	6.39%	\$2,205.57	\$2,205.57	\$0.00	0.00%	\$3,801.93	\$3,903.95	\$102.02	2.68%
72,000	200.0	\$1,696.58	\$1,798.60	\$102.02	6.01%	\$2,756.96	\$2,756.96	\$0.00	0.00%	\$4,453.54	\$4,555.56	\$102.02	2.29%
86,400	200.0	\$1.796.79	\$1.898.81	\$102.02	5.68%	\$3,308.35	\$3,308.35	\$0.00	0.00%	\$5,105,14	\$5,207.16	\$102.02	2.00%
115,200	200.0	\$1,997.23	\$2,099.25	\$102.02	5.11%	\$4,411.14	\$4,411.14	\$0.00	0.00%	\$6,408.37	\$6,510.39	\$102.02	1.59%
72,000	250.0	\$1,834.09	\$1,943.18	\$109.09	5.95%	\$2,756.96	\$2,756.96	\$0.00	0.00%	\$4,591.05	\$4,700.14	\$109.09	2.38%
90,000	250.0	\$1,959.36	\$2.068.45	\$109.09	5.57%	\$3,446.20	\$3,446.20	\$0.00	0.00%	\$5.405.56	\$5.514.65	\$109.09	2.02%
108,000	250.0	\$2,084.63	\$2,000.43	\$109.09	5.23%	\$4,135.44	\$4,135.44	\$0.00	0.00%	\$6,220.07	\$6,329.16	\$109.09	1.75%
144,000	250.0	\$2,335.17	\$2,173.72	\$109.09	4.67%	\$5,513.92	\$5,513.92	\$0.00	0.00%	\$7,849.09	\$7,958.18	\$109.09	1.39%
144,000	230.0	\$2,333.17	32,777.20	\$109.09	4.0770	\$3,313.92	\$5,515.92	\$0.00	0.0078	\$7,849.09	\$7,730.10	\$109.09	1.39/0
144,000	500.0	\$3,022.72	\$3,167.17	\$144.44	4.78%	\$5,513.92	\$5,513.92	\$0.00	0.00%	\$8,536.64	\$8,681.09	\$144.44	1.69%
180,000	500.0	\$3,273.26	\$3,417.71	\$144.44	4.41%	\$6,892.40	\$6,892.40	\$0.00	0.00%	\$10,165.66	\$10,310.11	\$144.44	1.42%
216,000	500.0	\$3,523.80	\$3,668.25	\$144.44	4.10%	\$8,270.88	\$8,270.88	\$0.00	0.00%	\$11,794.68	\$11,939.13	\$144.44	1.22%
288,000	500.0	\$4,024.88	\$4,169.33	\$144.44	3.59%	\$11,027.85	\$11,027.85	\$0.00	0.00%	\$15,052.73	\$15,197.18	\$144.44	0.96%
216,000	800.0	\$4,348.87	\$4,535.73	\$186.87	4.30%	\$8,270.88	\$8,270.88	\$0.00	0.00%	\$12,619.75	\$12,806.61	\$186.87	1.48%
270,000	800.0	\$4,724.68	\$4,911.54	\$186.87	3.96%	\$10,338.60	\$10,338.60	\$0.00	0.00%	\$15,063.28	\$15,250.14	\$186.87	1.24%
320,000	800.0	\$5,072.65	\$5,259.52	\$186.87	3.68%	\$12,253.16	\$12,253.16	\$0.00	0.00%	\$17,325.81	\$17,512.68	\$186.87	1.08%
432,000	800.0	\$5,852.11	\$6,038.98	\$186.87	3.19%	\$16,541.77	\$16,541.77	\$0.00	0.00%	\$22,393.88	\$22,580.75	\$186.87	0.83%
432,000	800.0	\$5,632.11	\$0,036.96	\$100.07	3.19/0	\$10,541.77	\$10,541.77	\$0.00	0.0078	322,393.88	\$22,360.73	\$100.07	0.0370
432,000	1,500.0	\$7,777.26	\$8,063.11	\$285.86	3.68%	\$16,541.77	\$16,541.77	\$0.00	0.00%	\$24,319.03	\$24,604.88	\$285.86	1.18%
540,000	1,500.0	\$8,528.88	\$8,814.73	\$285.86	3.35%	\$20,677.21	\$20,677.21	\$0.00	0.00%	\$29,206.09	\$29,491.94	\$285.86	0.98%
648,000	1,500.0	\$9,280.50	\$9,566.36	\$285.86	3.08%	\$24.812.65	\$24,812.65	\$0.00	0.00%	\$34,093.15	\$34,379.01	\$285.86	0.84%
864,000	1,500.0	\$10,783.74	\$11,069.60	\$285.86	2.65%	\$33,083.54	\$33,083.54	\$0.00	0.00%	\$43,867.28	\$44,153.14	\$285.86	0.65%
576,000	2 000 0	610 154 52	¢10 £11 00	925C 57	2.510/	622.055.60	£22.055.60	¢0.00	0.00%	622 210 21	\$22.566.79	\$25C 57	1 110/
576,000	2,000.0	\$10,154.52	\$10,511.09	\$356.57	3.51%	\$22,055.69	\$22,055.69	\$0.00		\$32,210.21	\$32,566.78	\$356.57	1.11%
720,000	2,000.0	\$11,156.68	\$11,513.25	\$356.57	3.20%	\$27,569.61	\$27,569.61	\$0.00	0.00%	\$38,726.29	\$39,082.86	\$356.57	0.92%
864,000	2,000.0	\$12,158.85	\$12,515.41	\$356.57	2.93%	\$33,083.54	\$33,083.54	\$0.00	0.00%	\$45,242.39	\$45,598.95	\$356.57	0.79%
1,152,000	2,000.0	\$14,163.17	\$14,519.73	\$356.57	2.52%	\$44,111.38	\$44,111.38	\$0.00	0.00%	\$58,274.55	\$58,631.11	\$356.57	0.61%

		<u>Proposed</u>		
	\$639.00	Customer Charge		\$712.00
kW x	\$2.68	T&D Demand Charge	kW x	\$2.82
kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
kWh x	\$0.001189	Legacy Transition Charge	kWh x	\$0.001189
kWh x	\$0.03364	Commodity Energy Charge	kWh x	\$0.03364
kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
kW x	\$0.04	DLM	kW x	\$0.04
kWh x	\$0.003628	CES Supply Charge	kWh x	\$0.003628
kWh x	\$0.000000	CES Delivery Charge	kWh x	\$0.000000
kWh x	\$0.00064	Merchant Function Charge	kWh x	0.00064
		Gross Receipts Tax		
Bill /	0.9900	Commodity	Bill /	0.9900
Bill /	0.9900	Delivery	Bill /	0.9900
	kW x kWh x kWh x kWh x kW x kW x kW x kWh x kWh x	kW x \$2.68 kW x \$0.00 kWh x \$0.001189 kWh x \$0.03364 kWh x \$0.00000 kWh x \$0.005701 kW x \$0.00 kW x \$0.04 kWh x \$0.003628 kWh x \$0.000000 kWh x \$0.000000	\$639.00 Customer Charge  kW x \$2.68 T&D Demand Charge  kW x \$0.00 Revenue Decoupling Mechanism  kWh x \$0.001189 Legacy Transition Charge  kWh x \$0.03364 Commodity Energy Charge  tWh x \$0.00000 Transmission Revenue Adjustment Charge  kWh x \$0.005701 Systems Benefits Charge (CEF/EES)  kW x \$0.00 Incremental State Assessment Surcharge  kW x \$0.04 DLM  kWh x \$0.003628 CES Supply Charge  kWh x \$0.000000 CES Delivery Charge  kWh x \$0.000000 Merchant Function Charge  Gross Receipts Tax  Commodity	\$639.00 Customer Charge  kW x \$2.68 T&D Demand Charge kW x  kW x \$0.00 Revenue Decoupling Mechanism kW x  kWh x \$0.001189 Legacy Transition Charge kWh x  kWh x \$0.03364 Commodity Energy Charge kWh x  kWh x \$0.000000 Transmission Revenue Adjustment Charge kWh x  kWh x \$0.005701 Systems Benefits Charge (CEF/EES) kWh x  kW x \$0.00 Incremental State Assessment Surcharge kW x  kW x \$0.00 LLM kW x  kWh x \$0.003628 CES Supply Charge kWh x  kWh x \$0.000000 KWh x  kWh x \$0.000000 CES Delivery Charge kWh x  kWh x \$0.000000 CES Delivery Charge kWh x  kWh x \$0.000000 CES Delivery Charge kWh x  kWh x \$0.00064 Merchant Function Charge kWh x  Bill / 0.9900 Commodity Bill /

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Chargeand Delivery GRT. Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (SECONDARY) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

				Deliver	у			Commo	dity			Total		
kWh Usage Or	n-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	\$30,657.37	\$32,332.47	\$1,675.09	5.46%	\$28,922.34	\$28,922.34	\$0.00	0.00%	\$59,579.71	\$61,254.81	\$1,675.09	2.81%
720,000	50%	2,500.0	\$30,657.37	\$32,332.47	\$1,675.09	5.46%	\$27,485.98	\$27,485.98	\$0.00	0.00%	\$58,143.35	\$59,818.45	\$1,675.09	2.88%
720,000	40%	2,500.0	\$30,657.37	\$32,332.47	\$1,675.09	5.46%	\$26,049.61	\$26,049.61	\$0.00	0.00%	\$56,706.98	\$58,382.08	\$1,675.09	2.95%
1,250,000	60%	2,500.0	\$34,345.89	\$36,020.98	\$1,675.09	4.88%	\$50,212.40	\$50,212.40	\$0.00	0.00%	\$84,558.29	\$86,233.38	\$1,675.09	1.98%
1,250,000	50%	2,500.0	\$34,345.89	\$36,020.98	\$1,675.09	4.88%	\$47,718.71	\$47,718.71	\$0.00	0.00%	\$82,064.60	\$83,739.69	\$1,675.09	2.04%
1,250,000	40%	2,500.0	\$34,345.89	\$36,020.98	\$1,675.09	4.88%	\$45,225.02	\$45,225.02	\$0.00	0.00%	\$79,570.91	\$81,246.00	\$1,675.09	2.11%
1,440,000	60%	2,500.0	\$35,668.18	\$37,343.27	\$1,675.09	4.70%	\$57,844.68	\$57,844.68	\$0.00	0.00%	\$93,512.86	\$95,187.95	\$1,675.09	1.79%
1,440,000	50%	2,500.0	\$35,668.18	\$37,343.27	\$1,675.09	4.70%	\$54,971.95	\$54,971.95	\$0.00	0.00%	\$90,640.13	\$92,315.22	\$1,675.09	1.85%
1,440,000	40%	2,500.0	\$35,668.18	\$37,343.27	\$1,675.09	4.70%	\$52,099.23	\$52,099.23	\$0.00	0.00%	\$87,767.41	\$89,442.50	\$1,675.09	1.91%
1,008,000	60%	3,500.0	\$42,381.61	\$44,592.05	\$2,210.44	5.22%	\$40,491.28	\$40,491.28	\$0.00	0.00%	\$82,872.89	\$85,083.33	\$2,210.44	2.67%
1,008,000	50%	3,500.0	\$42,381.61	\$44,592.05	\$2,210.44	5.22%	\$38,480.37	\$38,480.37	\$0.00	0.00%	\$80,861.98	\$83,072.42	\$2,210.44	2.73%
1,008,000	40%	3,500.0	\$42,381.61	\$44,592.05	\$2,210.44	5.22%	\$36,469.46	\$36,469.46	\$0.00	0.00%	\$78,851.07	\$81,061.51	\$2,210.44	2.80%
1,512,000	60%	3,500.0	\$45,889.17	\$48,099.62	\$2,210.44	4.82%	\$60,736.92	\$60,736.92	\$0.00	0.00%	\$106,626.09	\$108,836.54	\$2,210.44	2.07%
1,512,000	50%	3,500.0	\$45,889.17	\$48,099.62	\$2,210.44	4.82%	\$57,720.55	\$57,720.55	\$0.00	0.00%	\$103,609.72	\$105,820.17	\$2,210.44	2.13%
1,512,000	40%	3,500.0	\$45,889.17	\$48,099.62	\$2,210.44	4.82%	\$54,704.19	\$54,704.19	\$0.00	0.00%	\$100,593.36	\$102,803.81	\$2,210.44	2.20%
2,016,000	60%	3,500.0	\$49,396.74	\$51,607.18	\$2,210.44	4.47%	\$80,982.55	\$80,982.55	\$0.00	0.00%	\$130,379.29	\$132,589.73	\$2,210.44	1.70%
2,016,000	50%	3,500.0	\$49,396.74	\$51,607.18	\$2,210.44	4.47%	\$76,960.74	\$76,960.74	\$0.00	0.00%	\$126,357.48	\$128,567.92	\$2,210.44	1.75%
2,016,000	40%	3,500.0	\$49,396.74	\$51,607.18	\$2,210.44	4.47%	\$72,938.92	\$72,938.92	\$0.00	0.00%	\$122,335.66	\$124,546.10	\$2,210.44	1.81%
1,152,000	60%	4,000.0	\$48,243.72	\$50,721.84	\$2,478.12	5.14%	\$46,275.74	\$46,275.74	\$0.00	0.00%	\$94,519.46	\$96,997.58	\$2,478.12	2.62%
1,152,000	50%	4,000.0	\$48,243.72	\$50,721.84	\$2,478.12	5.14%	\$43,977.56	\$43,977.56	\$0.00	0.00%	\$92,221.28	\$94,699.40	\$2,478.12	2.69%
1,152,000	40%	4,000.0	\$48,243.72	\$50,721.84	\$2,478.12	5.14%	\$41,679.38	\$41,679.38	\$0.00	0.00%	\$89,923.10	\$92,401.22	\$2,478.12	2.76%
1,728,000	60%	4,000.0	\$52,252.37	\$54,730.49	\$2,478.12	4.74%	\$69,413.62	\$69,413.62	\$0.00	0.00%	\$121,665.99	\$124,144.11	\$2,478.12	2.04%
1,728,000	50%	4,000.0	\$52,252.37	\$54,730.49	\$2,478.12	4.74%	\$65,966.34	\$65,966.34	\$0.00	0.00%	\$118,218.71	\$120,696.83	\$2,478.12	2.10%
1,728,000	40%	4,000.0	\$52,252.37	\$54,730.49	\$2,478.12	4.74%	\$62,519.07	\$62,519.07	\$0.00	0.00%	\$114,771.44	\$117,249.56	\$2,478.12	2.16%
2,304,000	60%	4,000.0	\$56,261.01	\$58,739.14	\$2,478.12	4.40%	\$92,551.49	\$92,551.49	\$0.00	0.00%	\$148,812.50	\$151,290.63	\$2,478.12	1.67%
2,304,000	50%	4,000.0	\$56,261.01	\$58,739.14	\$2,478.12	4.40%	\$87,955.13	\$87,955.13	\$0.00	0.00%	\$144,216.14	\$146,694.27	\$2,478.12	1.72%
2,304,000	40%	4,000.0	\$56,261.01	\$58,739.14	\$2,478.12	4.40%	\$83,358.76	\$83,358.76	\$0.00	0.00%	\$139,619.77	\$142,097.90	\$2,478.12	1.77%
3,888,000	60%	13,500.0	\$159,623.91	\$167,187.89	\$7,563.98	4.74%	\$156,180.64	\$156,180.64	\$0.00	0.00%	\$315,804.55	\$323,368.53	\$7,563.98	2.40%
3,888,000	50%	13,500.0	\$159,623.91	\$167,187.89	\$7,563.98	4.74%	\$148,424.28	\$148,424.28	\$0.00	0.00%	\$308,048.19	\$315,612.17	\$7,563.98	2.46%
3,888,000	40%	13,500.0	\$159,623.91	\$167,187.89	\$7,563.98	4.74%	\$140,667.91	\$140,667.91	\$0.00	0.00%	\$300,291.82	\$307,855.80	\$7,563.98	2.52%
5,832,000	60%	13,500.0	\$173,153.09	\$180,717.07	\$7,563.98	4.37%	\$234,270.96	\$234,270.96	\$0.00	0.00%	\$407,424.05	\$414,988.03	\$7,563.98	1.86%
5,832,000	50%	13,500.0	\$173,153.09	\$180,717.07	\$7,563.98	4.37%	\$222,636.41	\$222,636.41	\$0.00	0.00%	\$395,789.50	\$403,353.48	\$7,563.98	1.91%
5,832,000	40%	13,500.0	\$173,153.09	\$180,717.07	\$7,563.98	4.37%	\$211,001.87	\$211,001.87	\$0.00	0.00%	\$384,154.96	\$391,718.94	\$7,563.98	1.97%
7,776,000	60%	13,500.0	\$186,682.28	\$194,246.26	\$7,563.98	4.05%	\$312,361.28	\$312,361.28	\$0.00	0.00%	\$499,043.56	\$506,607.54	\$7,563.98	1.52%
7,776,000	50%	13,500.0	\$186,682.28	\$194,246.26	\$7,563.98	4.05%	\$296,848.55	\$296,848.55	\$0.00	0.00%	\$483,530.83	\$491,094.81	\$7,563.98	1.56%
7,776,000	40%	13,500.0	\$186,682.28	\$194,246.26	\$7,563.98	4.05%	\$281,335.82	\$281,335.82	\$0.00	0.00%	\$468,018.10	\$475,582.08	\$7,563.98	1.62%

Current			<u>Proposed</u>		
Customer Charge		\$1,333.33	Customer Charge		\$1,666.67
T&D Demand Charge	kW x	\$9.58	T&D Demand Charge	kW x	\$10.11
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189	Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge On Peak	kWh x	\$0.04340	Commodity Energy Charge On Peak	kWh x	\$0.04340
Commodity Energy Charge Off Peak	kWh x	\$0.02365	Commodity Energy Charge Off Peak	kWh x	\$0.02365
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363	CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00064	Merchant Function Charge	kWh x	0.00064
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Deferral Recovery, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GRT. Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (PRIMARY) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

				Delive	ry			Commo	dity			Total		
kWh Usage O	n-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	\$30,657.37	\$32,332.47	\$1,675.09	5.46%	\$28,261.98	\$28,261.98	\$0.00	0.00%	\$58,919.35	\$60,594.45	\$1,675.09	2.84%
720,000	50%	2,500.0	\$30,657.37	\$32,332.47	\$1,675.09	5.46%	\$26,875.07	\$26,875.07	\$0.00	0.00%	\$57,532.44	\$59,207.54	\$1,675.09	2.91%
720,000	40%	2,500.0	\$30,657.37	\$32,332.47	\$1,675.09	5.46%	\$25,488.16	\$25,488.16	\$0.00	0.00%	\$56,145.53	\$57,820.63	\$1,675.09	2.98%
1,250,000	60%	2,500.0	\$34,345.89	\$36,020.98	\$1,675.09	4.88%	\$49,065.93	\$49,065.93	\$0.00	0.00%	\$83,411.82	\$85,086.91	\$1,675.09	2.01%
1,250,000	50%	2,500.0	\$34,345.89	\$36,020.98	\$1,675.09	4.88%	\$46,658.10	\$46,658.10	\$0.00	0.00%	\$81,003.99	\$82,679.08	\$1,675.09	2.07%
1,250,000	40%	2,500.0	\$34,345.89	\$36,020.98	\$1,675.09	4.88%	\$44,250.28	\$44,250.28	\$0.00	0.00%	\$78,596.17	\$80,271.26	\$1,675.09	2.13%
1,440,000	60%	2,500.0	\$35,668.18	\$37,343.27	\$1,675.09	4.70%	\$56,523.95	\$56,523.95	\$0.00	0.00%	\$92,192.13	\$93,867.22	\$1,675.09	1.82%
1,440,000	50%	2,500.0	\$35,668.18	\$37,343.27	\$1,675.09	4.70%	\$53,750.14	\$53,750.14	\$0.00	0.00%	\$89,418.32	\$91,093.41	\$1,675.09	1.87%
1,440,000	40%	2,500.0	\$35,668.18	\$37,343.27	\$1,675.09	4.70%	\$50,976.32	\$50,976.32	\$0.00	0.00%	\$86,644.50	\$88,319.59	\$1,675.09	1.93%
1,008,000	60%	3,500.0	\$42,381.61	\$44,592.05	\$2,210.44	5.22%	\$39,566.77	\$39,566.77	\$0.00	0.00%	\$81,948.38	\$84,158.82	\$2,210.44	2.70%
1,008,000	50%	3,500.0	\$42,381.61	\$44,592.05	\$2,210.44	5.22%	\$37,625.09	\$37,625.09	\$0.00	0.00%	\$80,006.70	\$82,217.14	\$2,210.44	2.76%
1,008,000	40%	3,500.0	\$42,381.61	\$44,592.05	\$2,210.44	5.22%	\$35,683.42	\$35,683.42	\$0.00	0.00%	\$78,065.03	\$80,275.47	\$2,210.44	2.83%
1,512,000	60%	3,500.0	\$45,889.17	\$48,099.62	\$2,210.44	4.82%	\$59,350.15	\$59,350.15	\$0.00	0.00%	\$105,239.32	\$107,449.77	\$2,210.44	2.10%
1,512,000	50%	3,500.0	\$45,889.17	\$48,099.62	\$2,210.44	4.82%	\$56,437.64	\$56,437.64	\$0.00	0.00%	\$102,326.81	\$104,537.26	\$2,210.44	2.16%
1,512,000	40%	3,500.0	\$45,889.17	\$48,099.62	\$2,210.44	4.82%	\$53,525.13	\$53,525.13	\$0.00	0.00%	\$99,414.30	\$101,624.75	\$2,210.44	2.22%
2,016,000	60%	3,500.0	\$49.396.74	\$51,607.18	\$2,210.44	4.47%	\$79.133.54	\$79,133.54	\$0.00	0.00%	\$128.530.28	\$130,740.72	\$2,210.44	1.72%
2,016,000	50%	3,500.0	\$49,396.74	\$51,607.18	\$2,210.44	4.47%	\$75,250.19	\$75,250.19	\$0.00	0.00%	\$124,646.93	\$126,857.37	\$2,210.44	1.77%
2,016,000	40%	3,500.0	\$49,396.74	\$51,607.18	\$2,210.44	4.47%	\$71,366.84	\$71,366.84	\$0.00	0.00%	\$120,763.58	\$122,974.02	\$2,210.44	1.83%
1,152,000	60%	4,000.0	\$48,243.72	\$50,721.84	\$2,478.12	5.14%	\$45,219.16	\$45,219.16	\$0.00	0.00%	\$93,462.88	\$95,941.00	\$2,478.12	2.65%
1,152,000	50%	4,000.0	\$48,243.72	\$50,721.84	\$2,478.12	5.14%	\$43,000.11	\$43,000.11	\$0.00	0.00%	\$91.243.83	\$93,721.95	\$2,478.12	2.72%
1,152,000	40%	4,000.0	\$48,243.72	\$50,721.84	\$2,478.12	5.14%	\$40,781.05	\$40,781.05	\$0.00	0.00%	\$89,024.77	\$91,502.89	\$2,478.12	2.78%
1,728,000	60%	4,000.0	\$52,252.37	\$54,730.49	\$2,478.12	4.74%	\$67,828.74	\$67,828.74	\$0.00	0.00%	\$120,081.11	\$122,559.23	\$2,478.12	2.06%
1,728,000	50%	4,000.0	\$52,252.37	\$54,730.49	\$2,478.12	4.74%	\$64,500.16	\$64,500.16	\$0.00	0.00%	\$116,752.53	\$119,230.65	\$2,478.12	2.12%
1,728,000	40%	4,000.0	\$52,252.37	\$54,730.49	\$2,478.12	4.74%	\$61,171.58	\$61,171.58	\$0.00	0.00%	\$113,423.95	\$115,902.07	\$2,478.12	2.18%
2,304,000	60%	4,000.0	\$56,261.01	\$58,739.14	\$2,478.12	4.40%	\$90.438.33	\$90,438.33	\$0.00	0.00%	\$146,699,34	\$149,177,47	\$2,478.12	1.69%
2,304,000	50%	4,000.0	\$56,261.01	\$58,739.14	\$2,478.12	4.40%	\$86,000.22	\$86,000.22	\$0.00	0.00%	\$142,261.23	\$144,739.36	\$2,478.12	1.74%
2,304,000	40%	4,000.0	\$56,261.01	\$58,739.14	\$2,478.12	4.40%	\$81,562.11	\$81,562.11	\$0.00	0.00%	\$137,823.12	\$140,301.25	\$2,478.12	1.80%
3,888,000	60%	13,500.0	\$159,623.91	\$167,187.89	\$7,563.98	4.74%	\$152,614.68	\$152,614.68	\$0.00	0.00%	\$312,238.59	\$319,802.57	\$7,563.98	2.42%
3,888,000	50%	13,500.0	\$159,623.91	\$167,187.89	\$7,563.98	4.74%	\$145,125.37	\$145,125.37	\$0.00	0.00%	\$304,749.28	\$312,313.26	\$7,563.98	2.48%
3,888,000	40%	13,500.0	\$159,623.91	\$167,187.89	\$7,563.98	4.74%	\$137,636.06	\$137,636.06	\$0.00	0.00%	\$297,259.97	\$304,823.95	\$7,563.98	2.54%
5,832,000	60%	13,500.0	\$173,153.09	\$180,717.07	\$7,563.98	4.37%	\$228,922.01	\$228,922.01	\$0.00	0.00%	\$402.075.10	\$409,639.08	\$7,563.98	1.88%
5,832,000	50%	13,500.0	\$173,153.09	\$180,717.07	\$7,563.98	4.37%	\$217,688.05	\$217,688.05	\$0.00	0.00%	\$390,841.14	\$398,405.12	\$7,563.98	1.94%
5,832,000	40%	13,500.0	\$173,153.09	\$180,717.07	\$7,563.98	4.37%	\$206,454.09	\$206,454.09	\$0.00	0.00%	\$379,607.18	\$387,171.16	\$7,563.98	1.99%
7,776,000	60%	13,500.0	\$186,682.28	\$194,246.26	\$7,563.98	4.05%	\$305,229.35	\$305,229.35	\$0.00	0.00%	\$491.911.63	\$499,475.61	\$7,563.98	1.54%
7,776,000	50%	13,500.0	\$186,682.28	\$194,246.26	\$7,563.98	4.05%	\$290,250.73	\$290,250.73	\$0.00	0.00%	\$476,933.01	\$484,496.99	\$7,563.98	1.59%
7,776,000	40%	13,500.0	\$186,682.28	\$194,246.26	\$7,563.98	4.05%	\$275,272.11	\$275,272.11	\$0.00	0.00%	\$461,954.39	\$469,518.37	\$7,563.98	1.64%

Current			Proposed		
Customer Charge		\$1,333.33	Customer Charge		\$1,666.67
T&D Demand Charge	kW x	\$9.58	T&D Demand Charge	kW x	\$10.11
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189	Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge On Peak	kWh x	\$0.04222	Commodity Energy Charge On Peak	kWh x	\$0.04222
Commodity Energy Charge Off Peak	kWh x	\$0.02315	Commodity Energy Charge Off Peak	kWh x	\$0.02315
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363	CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
Merchant Function Charge	kWh x	\$0.00064	Merchant Function Charge	kWh x	\$0.00064
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GRT. Commodity includes the Commodity Energy charge, Merchant Function Charge. CES Supply Charge and Commodity GRT.

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (SUBTRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

				Delivery	7			Commo	dity			Total		
kWh Usage On	n-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	\$15,592.39	\$16,106.54	\$514.14	3.30%	\$27,774.70	\$27,774.70	\$0.00	0.00%	\$43,367.09	\$43,881.24	\$514.14	1.19%
720,000	50%	2,500.0	\$15,592.39	\$16,106.54	\$514.14	3.30%	\$26,431.43	\$26,431.43	\$0.00	0.00%	\$42,023.82	\$42,537.97	\$514.14	1.22%
720,000	40%	2,500.0	\$15,592.39	\$16,106.54	\$514.14	3.30%	\$25,088.16	\$25,088.16	\$0.00	0.00%	\$40,680.55	\$41,194.70	\$514.14	1.26%
1,080,000	60%	2,500.0	\$18,097.80	\$18,611.94	\$514.14	2.84%	\$41,662.06	\$41,662.06	\$0.00	0.00%	\$59,759.86	\$60,274.00	\$514.14	0.86%
1,080,000	50%	2,500.0	\$18,097.80	\$18,611.94	\$514.14	2.84%	\$39,647.15	\$39,647.15	\$0.00	0.00%	\$57,744.95	\$58,259.09	\$514.14	0.89%
1,080,000	40%	2,500.0	\$18,097.80	\$18,611.94	\$514.14	2.84%	\$37,632.24	\$37,632.24	\$0.00	0.00%	\$55,730.04	\$56,244.18	\$514.14	0.92%
1,440,000	60%	2,500.0	\$20,603.20	\$21,117.34	\$514.14	2.50%	\$55,549.41	\$55,549.41	\$0.00	0.00%	\$76,152.61	\$76,666.75	\$514.14	0.68%
1,440,000	50%	2,500.0	\$20,603.20	\$21,117.34	\$514.14	2.50%	\$52,862.86	\$52,862.86	\$0.00	0.00%	\$73,466.06	\$73,980.20	\$514.14	0.70%
1,440,000	40%	2,500.0	\$20,603.20	\$21,117.34	\$514.14	2.50%	\$50,176.32	\$50,176.32	\$0.00	0.00%	\$70,779.52	\$71,293.66	\$514.14	0.73%
1,008,000	60%	3,500.0	\$21,124.71	\$21,705.51	\$580.81	2.75%	\$38,884.59	\$38,884.59	\$0.00	0.00%	\$60,009.30	\$60,590.10	\$580.81	0.97%
1,008,000	50%	3,500.0	\$21,124.71	\$21,705.51	\$580.81	2.75%	\$37,004.00	\$37,004.00	\$0.00	0.00%	\$58,128.71	\$58,709.51	\$580.81	1.00%
1,008,000	40%	3,500.0	\$21,124.71	\$21,705.51	\$580.81	2.75%	\$35,123.42	\$35,123.42	\$0.00	0.00%	\$56,248.13	\$56,828.93	\$580.81	1.03%
1,512,000	60%	3,500.0	\$24,632.27	\$25,213.08	\$580.81	2.36%	\$58,326.88	\$58,326.88	\$0.00	0.00%	\$82,959.15	\$83,539.96	\$580.81	0.70%
1,512,000	50%	3,500.0	\$24,632.27	\$25,213.08	\$580.81	2.36%	\$55,506.01	\$55,506.01	\$0.00	0.00%	\$80,138.28	\$80,719.09	\$580.81	0.72%
1,512,000	40%	3,500.0	\$24,632.27	\$25,213.08	\$580.81	2.36%	\$52,685.13	\$52,685.13	\$0.00	0.00%	\$77,317.40	\$77,898.21	\$580.81	0.75%
2,016,000	60%	3,500.0	\$28,139.84	\$28,720.65	\$580.81	2.06%	\$77.769.17	\$77,769.17	\$0.00	0.00%	\$105,909.01	\$106,489.82	\$580.81	0.55%
		3,500.0	\$28,139.84 \$28,139.84	\$28,720.65 \$28,720.65	\$580.81 \$580.81	2.06%	\$77,769.17	\$77,769.17	\$0.00	0.00%	\$105,909.01	\$106,489.82	\$580.81 \$580.81	0.55%
2,016,000	50% 40%	3,500.0	\$28,139.84 \$28,139.84	\$28,720.65 \$28,720.65	\$580.81 \$580.81	2.06%	\$74,008.01	\$74,008.01	\$0.00	0.00%	\$98,386.68	\$98,967.49	\$580.81 \$580.81	0.57%
2,016,000	40%	3,300.0	\$28,139.84	\$28,720.03	\$380.81	2.00%	\$70,240.84	\$70,240.84	\$0.00	0.00%	\$98,380.08	398,907.49	\$380.81	0.39%
1,152,000	60%	4,000.0	\$23,890.86	\$24,505.00	\$614.14	2.57%	\$44,439.53	\$44,439.53	\$0.00	0.00%	\$68,330.39	\$68,944.53	\$614.14	0.90%
1,152,000	50%	4,000.0	\$23,890.86	\$24,505.00	\$614.14	2.57%	\$42,290.29	\$42,290.29	\$0.00	0.00%	\$66,181.15	\$66,795.29	\$614.14	0.93%
1,152,000	40%	4,000.0	\$23,890.86	\$24,505.00	\$614.14	2.57%	\$40,141.05	\$40,141.05	\$0.00	0.00%	\$64,031.91	\$64,646.05	\$614.14	0.96%
2,000,000	60%	4,000.0	\$29,792.48	\$30,406.62	\$614.14	2.06%	\$77,151.96	\$77,151.96	\$0.00	0.00%	\$106,944.44	\$107,558.58	\$614.14	0.57%
2,000,000	50%	4,000.0	\$29,792.48	\$30,406.62	\$614.14	2.06%	\$73,420.64	\$73,420.64	\$0.00	0.00%	\$103,213.12	\$103,827.26	\$614.14	0.60%
2,000,000	40%	4,000.0	\$29,792.48	\$30,406.62	\$614.14	2.06%	\$69,689.33	\$69,689.33	\$0.00	0.00%	\$99,481.81	\$100,095.95	\$614.14	0.62%
2,304,000	60%	4,000.0	\$31,908.16	\$32,522.30	\$614.14	1.92%	\$88.879.05	\$88,879.05	\$0.00	0.00%	\$120,787.21	\$121,401.35	\$614.14	0.51%
2,304,000	50%	4,000.0	\$31,908.16	\$32,522.30	\$614.14	1.92%	\$84,580.58	\$84,580.58	\$0.00	0.00%	\$116,488.74	\$117,102.88	\$614.14	0.53%
2,304,000	40%	4,000.0	\$31,908.16	\$32,522.30	\$614.14	1.92%	\$80,282.11	\$80,282.11	\$0.00	0.00%	\$112,190.27	\$112,804.41	\$614.14	0.55%
3,888,000	60%	13,500.0	\$76,447.82	\$77,695.30	\$1,247.47	1.63%	\$149,983.40	\$149,983.40	\$0.00	0.00%	\$226,431.22	\$227,678.70	\$1,247.47	0.55%
3,888,000	50%	13,500.0	\$76,447.82	\$77,695.30	\$1,247.47	1.63%	\$142,729.73	\$142,729.73	\$0.00	0.00%	\$219,177.55	\$220,425.03	\$1,247.47	0.57%
3,888,000	40%	13,500.0	\$76,447.82	\$77,695.30	\$1,247.47	1.63%	\$135,476.06	\$135,476.06	\$0.00	0.00%	\$211,923.88	\$213,171.36	\$1,247.47	0.59%
5 022 000	6001	12 500 0	600.077.00	601 224 40	61 247 47	1 200/	6224.075.10	6224.075.10	60.00	0.000/	6214.052.10	6217 100 50	61 247 47	0.4007
5,832,000	60%	13,500.0	\$89,977.00	\$91,224.48 \$91,224.48	\$1,247.47	1.39% 1.39%	\$224,975.10 \$214,094.59	\$224,975.10	\$0.00	0.00% 0.00%	\$314,952.10 \$304,071.59	\$316,199.58	\$1,247.47 \$1,247.47	0.40% 0.41%
5,832,000	50%	13,500.0	\$89,977.00		\$1,247.47	1.39%		\$214,094.59	\$0.00		\$293,191.09	\$305,319.07		0.41%
5,832,000	40%	13,500.0	\$89,977.00	\$91,224.48	\$1,247.47	1.39%	\$203,214.09	\$203,214.09	\$0.00	0.00%	\$293,191.09	\$294,438.57	\$1,247.47	0.45%
7,776,000	60%	13,500.0	\$103,506.19	\$104,753.66	\$1,247.47	1.21%	\$299,966.80	\$299,966.80	\$0.00	0.00%	\$403,472.99	\$404,720.46	\$1,247.47	0.31%
7,776,000	50%	13,500.0	\$103,506.19	\$104,753.66	\$1,247.47	1.21%	\$285,459.46	\$285,459.46	\$0.00	0.00%	\$388,965.65	\$390,213.12	\$1,247.47	0.32%
7,776,000	40%	13,500.0	\$103,506.19	\$104,753.66	\$1,247.47	1.21%	\$270,952.11	\$270,952.11	\$0.00	0.00%	\$374,458.30	\$375,705.77	\$1,247.47	0.33%

Current			Proposed		
Customer Charge		\$1,744.00	Customer Charge		\$2,088.00
T&D Demand Charge	kW x	\$3.45	T&D Demand Charge	kW x	\$3.52
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189	Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge On Peak	kWh x	\$0.04131	Commodity Energy Charge On Peak	kWh x	\$0.04131
Commodity Energy Charge Off Peak	kWh x	\$0.02284	Commodity Energy Charge Off Peak	kWh x	\$0.02284
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CES/EES)	kWh x	\$0.005701	Systems Benefits Charge (CES/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363	CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00064	Merchant Function Charge	kWh x	0.00064
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GRT. Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge, and Commodity GRT.

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (TRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

				Delivery	ı			Commo	dity			Total		
kWh Usage Or	n-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	\$16,666.13	\$18,056.03	\$1,389.90	8.34%	\$26,906.34	\$26,906.34	\$0.00	0.00%	\$43,572.47	\$44,962.37	\$1,389.90	3.19%
720,000	50%	2,500.0	\$16,666.13	\$18,056.03	\$1,389.90	8.34%	\$25,638.70	\$25,638.70	\$0.00	0.00%	\$42,304.83	\$43,694.73	\$1,389.90	3.29%
720,000	40%	2,500.0	\$16,666.13	\$18,056.03	\$1,389.90	8.34%	\$24,371.07	\$24,371.07	\$0.00	0.00%	\$41,037.20	\$42,427.10	\$1,389.90	3.39%
1,080,000	60%	2,500.0	\$19,171.54	\$20,561.44	\$1,389.90	7.25%	\$40,359.51	\$40,359.51	\$0.00	0.00%	\$59,531.05	\$60,920.95	\$1,389.90	2.33%
1,080,000	50%	2,500.0	\$19,171.54	\$20,561.44	\$1,389.90	7.25%	\$38,458.06	\$38,458.06	\$0.00	0.00%	\$57,629.60	\$59,019.50	\$1,389.90	2.41%
1,080,000	40%	2,500.0	\$19,171.54	\$20,561.44	\$1,389.90	7.25%	\$36,556.60	\$36,556.60	\$0.00	0.00%	\$55,728.14	\$57,118.04	\$1,389.90	2.49%
1,440,000	60%	2,500.0	\$21,676.94	\$23,066.84	\$1.389.90	6.41%	\$53,812.68	\$53,812.68	\$0.00	0.00%	\$75,489.62	\$76,879.52	\$1,389.90	1.84%
1,440,000	50%	2,500.0	\$21,676.94	\$23,066.84	\$1,389.90	6.41%	\$51,277.41	\$51,277.41	\$0.00	0.00%	\$72,954.35	\$74,344.25	\$1,389.90	1.91%
1,440,000	40%	2,500.0	\$21,676.94	\$23,066.84	\$1,389.90	6.41%	\$48,742.14	\$48,742.14	\$0.00	0.00%	\$70,419.08	\$71,808.98	\$1,389.90	1.97%
1,440,000	4070	2,300.0	\$21,070.94	\$23,000.64	\$1,369.90	0.41/0	340,742.14	340,/42.14	\$0.00	0.0076	\$70,419.08	\$/1,000.70	\$1,369.90	1.7//0
1,008,000	60%	3,500.0	\$21,713.60	\$23,455.01	\$1,741.41	8.02%	\$37,668.88	\$37,668.88	\$0.00	0.00%	\$59,382.48	\$61,123.89	\$1,741.41	2.93%
1,008,000	50%	3,500.0	\$21,713.60	\$23,455.01	\$1,741.41	8.02%	\$35,894.19	\$35,894.19	\$0.00	0.00%	\$57,607.79	\$59,349.20	\$1,741.41	3.02%
1,008,000	40%	3,500.0	\$21,713.60	\$23,455.01	\$1,741.41	8.02%	\$34,119.49	\$34,119.49	\$0.00	0.00%	\$55,833.09	\$57,574.50	\$1,741.41	3.12%
1,512,000	60%	3,500.0	\$25,221.16	\$26,962.58	\$1,741.41	6.90%	\$56,503.32	\$56,503.32	\$0.00	0.00%	\$81,724.48	\$83,465.90	\$1,741.41	2.13%
1,512,000	50%	3,500.0	\$25,221.16	\$26,962.58	\$1,741.41	6.90%	\$53,841.28	\$53,841.28	\$0.00	0.00%	\$79,062.44	\$80,803.86	\$1,741.41	2.20%
1,512,000	40%	3,500.0	\$25,221.16	\$26,962.58	\$1,741.41	6.90%	\$51,179.24	\$51,179.24	\$0.00	0.00%	\$76,400.40	\$78,141.82	\$1,741.41	2.28%
2016000	600/	2 500 0	620 720 72	620 470 14	61.741.41	6.060/	075 227 75	675 227 75	00.00	0.000/	010406640	6105.005.00	01.741.41	1 (70/
2,016,000	60%	3,500.0	\$28,728.73	\$30,470.14	\$1,741.41	6.06%	\$75,337.75	\$75,337.75	\$0.00	0.00%	\$104,066.48	\$105,807.89	\$1,741.41	1.67%
2,016,000	50%	3,500.0	\$28,728.73	\$30,470.14	\$1,741.41	6.06%	\$71,788.37	\$71,788.37	\$0.00	0.00%	\$100,517.10	\$102,258.51	\$1,741.41	1.73%
2,016,000	40%	3,500.0	\$28,728.73	\$30,470.14	\$1,741.41	6.06%	\$68,238.99	\$68,238.99	\$0.00	0.00%	\$96,967.72	\$98,709.13	\$1,741.41	1.80%
1,152,000	60%	4,000.0	\$24,237.33	\$26,154.50	\$1,917.17	7.91%	\$43,050.14	\$43,050.14	\$0.00	0.00%	\$67,287.47	\$69,204.64	\$1,917.17	2.85%
1,152,000	50%	4,000.0	\$24,237.33	\$26,154.50	\$1,917.17	7.91%	\$41,021.93	\$41,021.93	\$0.00	0.00%	\$65,259.26	\$67,176.43	\$1,917.17	2.94%
1,152,000	40%	4,000.0	\$24,237.33	\$26,154.50	\$1,917.17	7.91%	\$38,993.71	\$38,993.71	\$0.00	0.00%	\$63,231.04	\$65,148.21	\$1,917.17	3.03%
1,728,000	60%	4,000.0	\$28,245.97	\$30,163.15	\$1,917.17	6.79%	\$64,575.22	\$64,575.22	\$0.00	0.00%	\$92,821.19	\$94,738.37	\$1,917.17	2.07%
1,728,000	50%	4,000.0	\$28,245.97	\$30,163.15	\$1,917.17	6.79%	\$61,532.89	\$61,532.89	\$0.00	0.00%	\$89,778.86	\$91,696.04	\$1,917.17	2.14%
1,728,000	40%	4,000.0	\$28,245.97	\$30,163.15	\$1,917.17	6.79%	\$58,490.56	\$58,490.56	\$0.00	0.00%	\$86,736.53	\$88,653.71	\$1,917.17	2.21%
2,304,000	60%	4,000.0	\$32,254.62	\$34,171.79	\$1,917.17	5.94%	\$86,100.29	\$86,100.29	\$0.00	0.00%	\$118,354.91	\$120,272.08	\$1,917.17	1.62%
2,304,000	50%	4,000.0	\$32,254.62	\$34,171.79	\$1,917.17	5.94%	\$82,043.85	\$82,043.85	\$0.00	0.00%	\$114,298.47	\$116,215.64	\$1,917.17	1.68%
2,304,000	40%	4,000.0	\$32,254.62	\$34,171.79	\$1,917.17	5.94%	\$77,987.42	\$77,987.42	\$0.00	0.00%	\$110,242.04	\$112,159.21	\$1,917.17	1.74%
3,888,000	60%	11,500.0	\$66,101.95	\$70,655.48	\$4,553.54	6.89%	\$145,294.24	\$145,294.24	\$0.00	0.00%	\$211,396.19	\$215,949.72	\$4,553.54	2.15%
3,888,000	50%	11,500.0	\$66,101.95	\$70,655.48	\$4,553.54	6.89%	\$138,449.00	\$138,449.00	\$0.00	0.00%	\$204,550.95	\$209,104.48	\$4,553.54	2.23%
3,888,000	40%	11,500.0	\$66,101.95	\$70,655.48	\$4,553.54	6.89%	\$131,603.77	\$131,603.77	\$0.00	0.00%	\$197,705.72	\$202,259.25	\$4,553.54	2.30%
6 200 000	60%	12,000.0	\$84,409.72	\$89,139.02	\$4,729.29	5.60%	\$235,430.48	\$235,430.48	\$0.00	0.00%	\$319,840.20	\$324,569.50	\$4,729.29	1.48%
6,300,000 6,300,000	50%	12,000.0	\$84,409.72 \$84,409.72	\$89,139.02 \$89,139.02	\$4,729.29 \$4,729.29	5.60%	\$235,430.48 \$224,338.66	\$235,430.48 \$224,338.66	\$0.00 \$0.00	0.00%	\$319,840.20 \$308,748.38	\$324,569.50 \$313,477.68	\$4,729.29 \$4,729.29	1.48%
6,300,000	50% 40%	12,000.0	\$84,409.72 \$84,409.72	\$89,139.02 \$89,139.02	\$4,729.29 \$4,729.29	5.60%	\$224,338.66	\$224,338.66	\$0.00	0.00%	\$308,748.38 \$297,656.56	\$313,477.68	\$4,729.29 \$4,729.29	1.59%
0,300,000	40%	12,000.0	\$64,409.72	\$69,139.02	φ4,/27.27	3.00%	\$213,240.84	\$213,240.84	\$0.00	0.00%	\$297,030.30	a302,383.86	φ <del>4</del> ,/29.29	1.39%
7,776,000	60%	13,500.0	\$99,246.59	\$104,503.16	\$5,256.57	5.30%	\$290,588.48	\$290,588.48	\$0.00	0.00%	\$389,835.07	\$395,091.64	\$5,256.57	1.35%
7,776,000	50%	13,500.0	\$99,246.59	\$104,503.16	\$5,256.57	5.30%	\$276,898.00	\$276,898.00	\$0.00	0.00%	\$376,144.59	\$381,401.16	\$5,256.57	1.40%
7,776,000	40%	13,500.0	\$99,246.59	\$104,503.16	\$5,256.57	5.30%	\$263,207.53	\$263,207.53	\$0.00	0.00%	\$362,454.12	\$367,710.69	\$5,256.57	1.45%

Current			Proposed		
Customer Charge		\$4,007.00	Customer Charge		\$4,513.00
T&D Demand Charge	kW x	\$2.97	T&D Demand Charge	kW x	\$3.32
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189	Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge On Peak	kWh x	\$0.03970	Commodity Energy Charge On Peak	kWh x	\$0.03970
Commodity Energy Charge Off Peak	kWh x	\$0.02227	Commodity Energy Charge Off Peak	kWh x	\$0.02227
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363	CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00064	Merchant Function Charge	kWh x	0.00064
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.99	Commodity	Bill /	0.99
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Charge and Delivery GRT. Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS ${\bf SC1\text{-}RESIDENTIAL}$

Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

		Delive	ry			Comm	odity			Total			
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change		Current	Proposed	Difference	Change
100	\$23.96	\$24.50	\$0.54	2.25%	\$4.26	\$4.26	\$0.00	0.00%		\$28.22	\$28.76	\$0.54	1.91%
200	\$30.39	\$31.47	\$1.08	3.55%	\$8.52	\$8.52	\$0.00	0.00%		\$38.91	\$39.99	\$1.08	2.78%
300	\$36.82	\$38.45	\$1.63	4.43%	\$12.78	\$12.78	\$0.00	0.00%		\$49.60	\$51.23	\$1.63	3.29%
400	\$43.26	\$45.42	\$2.16	4.99%	\$17.04	\$17.04	\$0.00	0.00%		\$60.30	\$62.46	\$2.16	3.58%
500	\$49.69	\$52.40	\$2.71	5.45%	\$21.30	\$21.30	\$0.00	0.00%		\$70.99	\$73.70	\$2.71	3.82%
600	\$56.12	\$59.37	\$3.25	5.79%	\$25.56	\$25.56	\$0.00	0.00%		\$81.68	\$84.93	\$3.25	3.98%
700	\$62.56	\$66.34	\$3.78	6.04%	\$29.81	\$29.81	\$0.00	0.00%		\$92.37	\$96.15	\$3.78	4.09%
800	\$68.99	\$73.32	\$4.33	6.28%	\$34.07	\$34.07	\$0.00	0.00%	\$	103.06	\$107.39	\$4.33	4.20%
900	\$75.42	\$80.29	\$4.87	6.46%	\$38.33	\$38.33	\$0.00	0.00%	\$	113.75	\$118.62	\$4.87	4.28%
1,000	\$81.85	\$87.27	\$5.42	6.62%	\$42.59	\$42.59	\$0.00	0.00%	\$	124.44	\$129.86	\$5.42	4.36%
1,100	\$88.29	\$94.24	\$5.95	6.74%	\$46.85	\$46.85	\$0.00	0.00%	\$	135.14	\$141.09	\$5.95	4.40%
1,200	\$94.72	\$101.21	\$6.49	6.85%	\$51.11	\$51.11	\$0.00	0.00%	\$	145.83	\$152.32	\$6.49	4.45%
1,300	\$101.15	\$108.19	\$7.04	6.96%	\$55.37	\$55.37	\$0.00	0.00%	\$	156.52	\$163.56	\$7.04	4.50%
1,400	\$107.59	\$115.16	\$7.57	7.04%	\$59.63	\$59.63	\$0.00	0.00%	\$	167.22	\$174.79	\$7.57	4.53%
1,500	\$114.02	\$122.14	\$8.12	7.12%	\$63.89	\$63.89	\$0.00	0.00%	\$	177.91	\$186.03	\$8.12	4.56%
1,600	\$120.45	\$129.11	\$8.66	7.19%	\$68.15	\$68.15	\$0.00	0.00%	\$	188.60	\$197.26	\$8.66	4.59%
1,700	\$126.88	\$136.08	\$9.20	7.25%	\$72.41	\$72.41	\$0.00	0.00%	\$	199.29	\$208.49	\$9.20	4.62%
1,800	\$133.32	\$143.06	\$9.74	7.31%	\$76.67	\$76.67	\$0.00	0.00%	\$2	209.99	\$219.73	\$9.74	4.64%
1,900	\$139.75	\$150.03	\$10.28	7.36%	\$80.93	\$80.93	\$0.00	0.00%	\$2	220.68	\$230.96	\$10.28	4.66%
2,000	\$146.18	\$157.01	\$10.83	7.41%	\$85.19	\$85.19	\$0.00	0.00%	\$2	231.37	\$242.20	\$10.83	4.68%
2,200	\$159.05	\$170.95	\$11.90	7.48%	\$93.70	\$93.70	\$0.00	0.00%	\$2	252.75	\$264.65	\$11.90	4.71%
2,400	\$171.91	\$184.90	\$12.99	7.56%	\$102.22	\$102.22	\$0.00	0.00%		274.13	\$287.12	\$12.99	4.74%
2,600	\$184.78	\$198.85	\$14.07	7.61%	\$110.74	\$110.74	\$0.00	0.00%		295.52	\$309.59	\$14.07	4.76%
2,800	\$197.64	\$212.80	\$15.16	7.67%	\$119.26	\$119.26	\$0.00	0.00%	\$3	316.90	\$332.06	\$15.16	4.78%
3,000	\$210.51	\$226.75	\$16.24	7.71%	\$127.78	\$127.78	\$0.00	0.00%	\$3	338.29	\$354.53	\$16.24	4.80%
3,200	\$223.38	\$240.70	\$17.32	7.75%	\$136.30	\$136.30	\$0.00	0.00%	\$3	359.68	\$377.00	\$17.32	4.82%
3,400	\$236.24	\$254.64	\$18.40	7.79%	\$144.82	\$144.82	\$0.00	0.00%	\$3	381.06	\$399.46	\$18.40	4.83%
3,600	\$249.11	\$268.59	\$19.48	7.82%	\$153.33	\$153.33	\$0.00	0.00%	\$4	102.44	\$421.92	\$19.48	4.84%
3,800	\$261.97	\$282.54	\$20.57	7.85%	\$161.85	\$161.85	\$0.00	0.00%	\$4	123.82	\$444.39	\$20.57	4.85%
4,000	\$274.84	\$296.49	\$21.65	7.88%	\$170.37	\$170.37	\$0.00	0.00%	\$4	145.21	\$466.86	\$21.65	4.86%

<u>Current</u>			<u>Proposed</u>		
Customer Charge		\$17.00	Customer Charge		\$17.00
T&D Energy Charge	kWh x	\$0.05533	T&D Energy Charge	kWh x	\$0.06058
Revenue Decoupling Mechanism	kWh x	\$0.00000	Revenue Decoupling Mechanism	kWh x	\$0.00000
Legacy Transition Charge	kWh x	\$0.001212	Legacy Transition Charge	kWh x	\$0.001212
Electricity Supply Rate Mechanism	kWh x	\$0.000460	Electricity Supply Rate Mechanism	kWh x	\$0.000460
Commodity Energy Charge	kWh x	\$0.03565	Commodity Energy Charge	kWh x	\$0.03565
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment	kWh x	\$0.000000	Incremental State Assessment	kWh x	\$0.000000
Merchant Function Charge	kWh x	\$0.00198	Merchant Function Charge	kWh x	\$0.00198
DLM Surcharge	kWh x	\$0.00016	DLM Surcharge	kWh x	\$0.00016
CES Supply Charge	kWh x	\$0.00408	CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9700	Delivery	Bill /	0.9700

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GRT. Commodity includes the Commodity Energy charge, Electricity Supply Rate Mechanism, Merchant Function Charge, CES Supply Charge and Commodity GRT.

### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID

#### TYPICAL BILL IMPACTS SC-1C RESIDENTIAL Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

On-Pea	ık		Delive	ery			Comn	nodity			Total		
Wh UsagePer	centage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
			-										
500	7%	\$51.10	\$52.34	\$1.24	2.43%	\$21.33	\$21.33	\$0.00	0.00%	\$72.43	\$73.67	\$1.24	1.71%
600	7%	\$55.14	\$56.63	\$1.49	2.70%	\$25.60	\$25.60	\$0.00	0.00%	\$80.74	\$82.23	\$1.49	1.85%
700	7%	\$59.17	\$60.91	\$1.74	2.94%	\$29.86	\$29.86	\$0.00	0.00%	\$89.03	\$90.77	\$1.74	1.95%
800	7%	\$63.21	\$65.19	\$1.98	3.13%	\$34.13	\$34.13	\$0.00	0.00%	\$97.34	\$99.32	\$1.98	2.03%
900	7%	\$67.24	\$69.48	\$2.24	3.33%	\$38.40	\$38.40	\$0.00	0.00%	\$105.64	\$107.88	\$2.24	2.12%
1,000	7%	\$71.28	\$73.76	\$2.48	3.48%	\$42.66	\$42.66	\$0.00	0.00%	\$113.94	\$116.42	\$2.48	2.18%
1,100	7%	\$75.31	\$78.04	\$2.73	3.63%	\$46.93	\$46.93	\$0.00	0.00%	\$122.24	\$124.97	\$2.73	2.23%
1,200	7%	\$79.35	\$82.33	\$2.98	3.76%	\$51.19	\$51.19	\$0.00	0.00%	\$130.54	\$133.52	\$2.98	2.28%
1,300	7%	\$83.38	\$86.61	\$3.23	3.87%	\$55.46	\$55.46	\$0.00	0.00%	\$138.84	\$142.07	\$3.23	2.33%
1,400	7%	\$87.42	\$90.89	\$3.47	3.97%	\$59.73	\$59.73	\$0.00	0.00%	\$147.15	\$150.62	\$3.47	2.36%
1,500	7%	\$91.45	\$95.18	\$3.73	4.08%	\$63.99	\$63.99	\$0.00	0.00%	\$155.44	\$159.17	\$3.73	2.40%
1,600	7%	\$95.49	\$99.46	\$3.97	4.16%	\$68.26	\$68.26	\$0.00	0.00%	\$163.75	\$167.72	\$3.97	2.42%
1,700	7%	\$99.52	\$103.74	\$4.22	4.24%	\$72.53	\$72.53	\$0.00	0.00%	\$172.05	\$176.27	\$4.22	2.45%
1,800	7%	\$103.56	\$108.03	\$4.47	4.32%	\$76.79	\$76.79	\$0.00	0.00%	\$180.35	\$184.82	\$4.47	2.48%
1,900	7%	\$107.59	\$112.31	\$4.72	4.39%	\$81.06	\$81.06	\$0.00	0.00%	\$188.65	\$193.37	\$4.72	2.50%
	<b>5</b> 0.	0444.60	0446.50			005.22	005.00		0.000/	0405.05	******	04.05	2.520/
2,000	7%	\$111.63	\$116.59	\$4.96	4.44%	\$85.32	\$85.32	\$0.00	0.00%	\$196.95	\$201.91	\$4.96	2.52%
2,100	7%	\$115.66	\$120.88	\$5.22	4.51%	\$89.59	\$89.59	\$0.00	0.00%	\$205.25	\$210.47	\$5.22	2.54%
2,200	7%	\$119.69	\$125.16	\$5.47	4.57%	\$93.86	\$93.86	\$0.00	0.00%	\$213.55	\$219.02	\$5.47	2.56%
2,300	7%	\$123.73	\$129.44	\$5.71	4.61%	\$98.12	\$98.12	\$0.00	0.00%	\$221.85	\$227.56	\$5.71	2.57%
2,400	7%	\$127.76	\$133.73	\$5.97	4.67%	\$102.39	\$102.39	\$0.00	0.00%	\$230.15	\$236.12	\$5.97	2.59%
2,500	7%	\$131.80	\$138.01	\$6.21	4.71%	\$106.66	\$106.66	\$0.00	0.00%	\$238.46	\$244.67	\$6.21	2.60%
2,600	7%	\$135.83	\$142.29	\$6.46	4.76%	\$110.92	\$110.92	\$0.00	0.00%	\$246.75	\$253.21	\$6.46	2.62%
2,700	7%	\$139.87	\$146.58	\$6.71	4.80%	\$115.19	\$115.19	\$0.00	0.00%	\$255.06	\$261.77	\$6.71	2.63%
2,800	7%	\$143.90	\$150.86	\$6.96	4.84%	\$119.45	\$119.45	\$0.00	0.00%	\$263.35	\$270.31	\$6.96	2.64%
2,900	7%	\$147.94	\$155.14	\$7.20	4.87%	\$123.72	\$123.72	\$0.00	0.00%	\$271.66	\$278.86	\$7.20	2.65%
3,000	7%	\$151.97	\$159.43	\$7.46	4.91%	\$127.99	\$127.99	\$0.00	0.00%	\$279.96	\$287.42	\$7.46	2.66%
3,100	7%	\$156.01	\$163.71	\$7.70	4.94%	\$132.25	\$132.25	\$0.00	0.00%	\$288.26	\$295.96	\$7.70	2.67%
3,200	7%	\$160.04	\$167.99	\$7.95	4.97%	\$136.52	\$136.52	\$0.00	0.00%	\$296.56	\$304.51	\$7.95	2.68%
3,300	7%	\$164.08	\$172.28	\$8.20	5.00%	\$140.79	\$140.79	\$0.00	0.00%	\$304.87	\$313.07	\$8.20	2.69%
3,400	7%	\$168.11	\$176.56	\$8.45	5.03%	\$145.05	\$145.05	\$0.00	0.00%	\$313.16	\$321.61	\$8.45	2.70%
3,500	7%	\$172.15	\$180.84	\$8.69	5.05%	\$149.32	\$149.32	\$0.00	0.00%	\$321.47	\$330.16	\$8.69	2.70%
3,600	7%	\$172.13	\$185.13	\$8.95	5.08%	\$153.58	\$149.32	\$0.00	0.00%	\$321.47	\$338.71	\$8.95	2.70%
3,700	7%	\$180.22	\$189.41	\$9.19	5.10%	\$155.85	\$155.58	\$0.00	0.00%	\$329.76	\$347.26	\$9.19	2.71%
2.000	70/	6100.30	6107.00	#0.cc	5 15C	0166.22	0166.20	#0.0C	0.000	025465	026425	#0.60	2 522
3,900	7%	\$188.29	\$197.98	\$9.69	5.15%	\$166.38	\$166.38	\$0.00	0.00%	\$354.67	\$364.36	\$9.69	2.73%
4,200	7% 7%	\$200.39	\$210.83	\$10.44	5.21%	\$179.18	\$179.18	\$0.00 \$0.00	0.00%	\$379.57	\$390.01	\$10.44	2.75%
4,500	/%	\$212.50	\$223.68	\$11.18	5.26%	\$191.98	\$191.98	\$0.00	0.00%	\$404.48	\$415.66	\$11.18	2.76%

Current				Proposed		
Customer Charge			\$30.00	Customer Charge		\$30.00
T&D Energy Charge		kWh x	\$0.03207	T&D Energy Charge	kWh x	\$0.03448
Revenue Decoupling Mechanism		kWh x	\$0.00000	Revenue Decoupling Mechanism	kWh x	\$0.00000
Legacy Transition Charge		kWh x	\$0.001212	Legacy Transition Charge	kWh x	\$0.001212
Commodity On Peak	7%	kWh x	\$0.05500	Commodity On Peak	kWh x	\$0.05500
Commodity Shoulder Peak	12%	kWh x	\$0.04740	Commodity Shoulder Peak	kWh x	\$0.04740
Commodity Off Peak	81%	kWh x	\$0.03289	Commodity Off Peak	kWh x	\$0.03289
Transmission Revenue Adjustmen	nt Chars	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (SBC/C	ES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Sur	rcharge	kWh x	\$0.000000	Incremental State Assessment Surcharge	kWh x	\$0.000000
Merchant Function Charge		kWh x	\$0.00198	Merchant Function Charge	kWh x	\$0.00198
DLM Surcharge		kWh x	\$0.00016	DLM Surcharge	kWh x	\$0.00016
CES Supply Charge		kWh x	\$0.00408	CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge		kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax				Gross Receipts Tax		
Commodity		Bill /	0.9900	Commodity	Bill /	0.9900
Delivery		Bill /	0.9700	Delivery	Bill /	0.9700

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC2-SMALL GENERAL SERVICE (UNMETERED DEMAND)

Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

		Deli	ivery		Commodity Total							
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
150	\$31.40	\$32.34	\$0.94	2.99%	\$6.71	\$6.71	\$0.00	0.00%	\$38.11	\$39.05	\$0.94	2.47%
250	\$38.19	\$39.75	\$1.56	4.08%	\$11.18	\$11.18	\$0.00	0.00%	\$49.37	\$50.93	\$1.56	3.16%
350	\$44.97	\$47.16	\$2.19	4.87%	\$15.65	\$15.65	\$0.00	0.00%	\$60.62	\$62.81	\$2.19	3.61%
450	\$51.75	\$54.57	\$2.82	5.45%	\$20.12	\$20.12	\$0.00	0.00%	\$71.87	\$74.69	\$2.82	3.92%
550	\$58.53	\$61.98	\$3.45	5.89%	\$24.59	\$24.59	\$0.00	0.00%	\$83.12	\$86.57	\$3.45	4.15%
650	\$65.31	\$69.38	\$4.07	6.23%	\$29.06	\$29.06	\$0.00	0.00%	\$94.37	\$98.44	\$4.07	4.31%
750	\$72.09	\$76.79	\$4.70	6.52%	\$33.53	\$33.53	\$0.00	0.00%	\$105.62	\$110.32	\$4.70	4.45%
850	\$78.88	\$84.20	\$5.32	6.74%	\$38.00	\$38.00	\$0.00	0.00%	\$116.88	\$122.20	\$5.32	4.55%
950	\$85.66	\$91.61	\$5.95	6.95%	\$42.47	\$42.47	\$0.00	0.00%	\$128.13	\$134.08	\$5.95	4.64%
1,050	\$92.44	\$99.02	\$6.58	7.12%	\$46.94	\$46.94	\$0.00	0.00%	\$139.38	\$145.96	\$6.58	4.72%
1,150	\$99.22	\$106.42	\$7.20	7.26%	\$51.41	\$51.41	\$0.00	0.00%	\$150.63	\$157.83	\$7.20	4.78%
1,250	\$106.00	\$113.83	\$7.83	7.39%	\$55.88	\$55.88	\$0.00	0.00%	\$161.88	\$169.71	\$7.83	4.84%
1,350	\$112.78	\$121.24	\$8.46	7.50%	\$60.35	\$60.35	\$0.00	0.00%	\$173.13	\$181.59	\$8.46	4.89%
1,450	\$119.57	\$128.65	\$9.08	7.59%	\$64.82	\$64.82	\$0.00	0.00%	\$184.39	\$193.47	\$9.08	4.92%
1,550	\$126.35	\$136.05	\$9.70	7.68%	\$69.29	\$69.29	\$0.00	0.00%	\$195.64	\$205.34	\$9.70	4.96%
1,650	\$133.13	\$143.46	\$10.33	7.76%	\$73.76	\$73.76	\$0.00	0.00%	\$206.89	\$217.22	\$10.33	4.99%
1,750	\$139.91	\$150.87	\$10.96	7.83%	\$78.23	\$78.23	\$0.00	0.00%	\$218.14	\$229.10	\$10.96	5.02%
1,850	\$146.69	\$158.28	\$11.59	7.90%	\$82.70	\$82.70	\$0.00	0.00%	\$229.39	\$240.98	\$11.59	5.05%
1,950	\$153.47	\$165.69	\$12.22	7.96%	\$87.17	\$87.17	\$0.00	0.00%	\$240.64	\$252.86	\$12.22	5.08%
2,050	\$160.26	\$173.09	\$12.83	8.01%	\$91.64	\$91.64	\$0.00	0.00%	\$251.90	\$264.73	\$12.83	5.09%

Current			Proposed		
Customer Charge		\$21.02	Customer Charge		\$21.02
T&D Energy Charge	kWh x	\$0.06007	T&D Energy Charge	kWh x	\$0.06627
Revenue Decoupling Mechanism	kWh x	\$0.00000	Revenue Decoupling Mechanism	kWh x	\$0.00000
Legacy Transition Charge	kWh x	\$0.001212	Legacy Transition Charge	kWh x	\$0.001212
Electricity Supply Rate Mechanism	kWh x	\$0.000460	Electricity Supply Rate Mechanism	kWh x	\$0.000460
Commodity Energy Charge	kWh x	\$0.03774	Commodity Energy Charge	kWh x	\$0.03774
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CES/EES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00198	Merchant Function Charge	kWh x	\$0.00198
Incremental State Assessment Surcharge	kWh x	\$0.00000	Incremental State Assessment Surcharge	kWh x	\$0.00000
DLM Surcharge	kWh x	\$0.00016	DLM Surcharge	kWh x	\$0.00016
CES Supply Charge	kWh x	\$0.00408	CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GRT. Commodity includes the Commodity Energy charge, Electricity Supply Rate Mechanism, Merchant Function Charge, CES Supply Charge and Commodity GRT.

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC2-SMALL GENERAL SERVICE (METERED DEMAND) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

			Deliv	ery		Commodity					Total		
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
1,008	7.0	\$141.42	\$147.79	\$6.37	4.50%	\$41.59	\$41.59	\$0.00	0.00%	\$183.01	\$189.38	\$6.37	3.48%
1,512	7.0	\$144.94	\$151.30	\$6.36	4.39%	\$62.39	\$62.39	\$0.00	0.00%	\$207.33	\$213.69	\$6.36	3.07%
2,016	7.0	\$148.46	\$154.82	\$6.36	4.28%	\$83.19	\$83.19	\$0.00	0.00%	\$231.65	\$238.01	\$6.36	2.75%
2,520	7.0	\$151.98	\$158.34	\$6.36	4.18%	\$103.98	\$103.98	\$0.00	0.00%	\$255.96	\$262.32	\$6.36	2.48%
2,160	15.0	\$242.42	\$256.05	\$13.63	5.62%	\$89.13	\$89.13	\$0.00	0.00%	\$331.55	\$345.18	\$13.63	4.11%
3,240	15.0	\$249.96	\$263.60	\$13.64	5.46%	\$133.69	\$133.69	\$0.00	0.00%	\$383.65	\$397.29	\$13.64	3.56%
4,320	15.0	\$257.50	\$271.14	\$13.64	5.30%	\$178.26	\$178.26	\$0.00	0.00%	\$435.76	\$449.40	\$13.64	3.13%
5,400	15.0	\$265.04	\$278.68	\$13.64	5.15%	\$222.82	\$222.82	\$0.00	0.00%	\$487.86	\$501.50	\$13.64	2.80%
3,600	25.0	\$368.66	\$391.39	\$22.73	6.17%	\$148.55	\$148.55	\$0.00	0.00%	\$517.21	\$539.94	\$22.73	4.39%
5,400	25.0	\$381.23	\$403.96	\$22.73	5.96%	\$222.82	\$222.82	\$0.00	0.00%	\$604.05	\$626.78	\$22.73	3.76%
7,000	25.0	\$392.40	\$415.13	\$22.73	5.79%	\$288.84	\$288.84	\$0.00	0.00%	\$681.24	\$703.97	\$22.73	3.34%
9,000	25.0	\$406.37	\$429.10	\$22.73	5.59%	\$371.37	\$371.37	\$0.00	0.00%	\$777.74	\$800.47	\$22.73	2.92%
5,760	40.0	\$558.03	\$594.39	\$36.36	6.52%	\$237.68	\$237.68	\$0.00	0.00%	\$795.71	\$832.07	\$36.36	4.57%
8,640	40.0	\$578.14	\$614.50	\$36.36	6.29%	\$356.52	\$356.52	\$0.00	0.00%	\$934.66	\$971.02	\$36.36	3.89%
11,520	40.0	\$598.25	\$634.61	\$36.36	6.08%	\$475.36	\$475.36	\$0.00	0.00%	\$1,073.61	\$1,109.97	\$36.36	3.39%
14,400	40.0	\$618.36	\$654.73	\$36.37	5.88%	\$594.19	\$594.19	\$0.00	0.00%	\$1,212.55	\$1,248.92	\$36.37	3.00%
8,640	60.0	\$810.52	\$865.06	\$54.54	6.73%	\$356.52	\$356.52	\$0.00	0.00%	\$1,167.04	\$1,221.58	\$54.54	4.67%
12,960	60.0	\$840.68	\$895.23	\$54.55	6.49%	\$534.77	\$534.77	\$0.00	0.00%	\$1,375.45	\$1,430.00	\$54.55	3.97%
17,280	60.0	\$870.85	\$925.40	\$54.55	6.26%	\$713.03	\$713.03	\$0.00	0.00%	\$1.583.88	\$1,638.43	\$54.55	3.44%
21,600	60.0	\$901.02	\$955.56	\$54.54	6.05%	\$891.29	\$891.29	\$0.00	0.00%	\$1,792.31	\$1,846.85	\$54.54	3.04%
11,520	80.0	\$1,063.01	\$1,135.73	\$72.72	6.84%	\$475.36	\$475.36	\$0.00	0.00%	\$1,538.37	\$1,611.09	\$72.72	4.73%
17,280	80.0	\$1,103.23	\$1,175.96	\$72.73	6.59%	\$713.03	\$713.03	\$0.00	0.00%	\$1,816.26	\$1,888.99	\$72.73	4.00%
23,040	80.0	\$1,143.45	\$1,216.18	\$72.73	6.36%	\$950.71	\$950.71	\$0.00	0.00%	\$2,094.16	\$2,166.89	\$72.73	3.47%
28,800	80.0	\$1,183.67	\$1,256.40	\$72.73	6.14%	\$1,188.39	\$1,188.39	\$0.00	0.00%	\$2,372.06	\$2,444.79	\$72.73	3.07%
14,400	100.0	\$1,315.50	\$1,406.40	\$90.90	6.91%	\$594.19	\$594.19	\$0.00	0.00%	\$1,909.69	\$2,000.59	\$90.90	4.76%
21,600	100.0	\$1,365.77	\$1,456.68	\$90.91	6.66%	\$891.29	\$891.29	\$0.00	0.00%	\$2,257.06	\$2,347.97	\$90.91	4.03%
28,800	100.0	\$1,416.05	\$1,506.96	\$90.91	6.42%	\$1,188.39	\$1,188.39	\$0.00	0.00%	\$2,604.44	\$2,695.35	\$90.91	3.49%
36,000	100.0	\$1,466.33	\$1,557.24	\$90.91	6.20%	\$1,485.49	\$1,485.49	\$0.00	0.00%	\$2,951.82	\$3,042.73	\$90.91	3.08%

Current			Proposed		
Customer Charge		\$52.52	Customer Charge		\$52.52
T&D Demand Charge	kW x	\$11.46	T&D Demand Charge	kW x	\$12.36
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212	Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03612	Commodity Energy Charge	kWh x	\$0.03612
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00065	Merchant Function Charge	kWh x	\$0.00065
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM Surcharge	kW x	\$0.04	DLM Surcharge	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408	CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GRT. Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (SECONDARY) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

kWh Usage		Delivery					Commodity					Total		
	kW	Current	Proposed	Difference	Change		Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	\$1,672.09	\$1,785.22	\$113.13	6.77%		\$1,174.42	\$1,174.42	\$0.00	0.00%	\$2,846.51	\$2,959.64	\$113.13	3.97%
36,000	100.0	\$1,722.37	\$1,835.50	\$113.13	6.57%		\$1,468.03	\$1,468.03	\$0.00	0.00%	\$3,190.40	\$3,303.53	\$113.13	3.55%
43,200	100.0	\$1,772.65	\$1,885.78	\$113.13	6.38%		\$1,761.64	\$1,761.64	\$0.00	0.00%	\$3,534.29	\$3,647.42	\$113.13	3.20%
57,600	100.0	\$1,873.20	\$1,986.33	\$113.13	6.04%		\$2,348.85	\$2,348.85	\$0.00	0.00%	\$4,222.05	\$4,335.18	\$113.13	2.68%
57,600	200.0	\$2,950.24	\$3,110.85	\$160.61	5.44%		\$2,348.85	\$2,348.85	\$0.00	0.00%	\$5,299.09	\$5,459.70	\$160.61	3.03%
72,000	200.0	\$3,050.80	\$3,211.40	\$160.61	5.26%		\$2,936.06	\$2,936.06	\$0.00	0.00%	\$5,986.86	\$6,147.46	\$160.61	2.68%
86,400	200.0	\$3,151.35	\$3,311.96	\$160.61	5.10%		\$3,523.27	\$3,523.27	\$0.00	0.00%	\$6,674.62	\$6,835.23	\$160.61	2.41%
115,200	200.0	\$3,352.46	\$3,513.07	\$160.61	4.79%		\$4,697.70	\$4,697.70	\$0.00	0.00%	\$8,050.16	\$8,210.77	\$160.61	2.00%
72,000	250.0	\$3,589.32	\$3,773.66	\$184.34	5.14%		\$2,936.06	\$2,936.06	\$0.00	0.00%	\$6,525.38	\$6,709.72	\$184.34	2.83%
90,000	250.0	\$3,715.01	\$3,899.36	\$184.34	4.96%		\$3,670.08	\$3,670.08	\$0.00	0.00%	\$7,385.09	\$7,569.44	\$184.34	2.50%
100,000	250.0	\$3,784.84	\$3,969.19	\$184.34	4.87%		\$4,077.86	\$4,077.86	\$0.00	0.00%	\$7,862.70	\$8,047.05	\$184.34	2.34%
144,000	250.0	\$4,092.09	\$4,276.44	\$184.34	4.50%		\$5,872.12	\$5,872.12	\$0.00	0.00%	\$9,964.21	\$10,148.56	\$184.34	1.85%
144,000	500.0	\$6,784.70	\$7,087.73	\$303.03	4.47%		\$5,872.12	\$5,872.12	\$0.00	0.00%	\$12,656.82	\$12,959.85	\$303.03	2.39%
180,000	500.0	\$7,036.08	\$7,339.11	\$303.03	4.31%		\$7,340.15	\$7,340.15	\$0.00	0.00%	\$14,376.23	\$14,679.26	\$303.03	2.11%
216,000	500.0	\$7,287.47	\$7,590.50	\$303.03	4.16%		\$8,808.19	\$8,808.19	\$0.00	0.00%	\$16,095.66	\$16,398.69	\$303.03	1.88%
288,000	500.0	\$7,790.25	\$8,093.28	\$303.03	3.89%		\$11,744.25	\$11,744.25	\$0.00	0.00%	\$19,534.50	\$19,837.53	\$303.03	1.55%
216,000	750.0	\$9,980.08	\$10,401.79	\$421.72	4.23%		\$8,808.19	\$8,808.19	\$0.00	0.00%	\$18,788.27	\$19,209.98	\$421.72	2.24%
270,000	750.0	\$10,357.16	\$10,778.87	\$421.72	4.07%		\$11,010.23	\$11,010.23	\$0.00	0.00%	\$21,367.39	\$21,789.10	\$421.72	1.97%
324,000	750.0	\$10,734.24	\$11,155.96	\$421.72	3.93%		\$13,212.28	\$13,212.28	\$0.00	0.00%	\$23,946.52	\$24,368.24	\$421.72	1.76%
432,000	750.0	\$11,488.40	\$11,910.12	\$421.72	3.67%		\$17,616.37	\$17,616.37	\$0.00	0.00%	\$29,104.77	\$29,526.49	\$421.72	1.45%
432,000	1,500.0	\$19,566.21	\$20,343.99	\$777.78	3.98%		\$17,616.37	\$17,616.37	\$0.00	0.00%	\$37,182.58	\$37,960.36	\$777.78	2.09%
540,000	1,500.0	\$20,320.37	\$21,098.15	\$777.78	3.83%		\$22,020.46	\$22,020.46	\$0.00	0.00%	\$42,340.83	\$43,118.61	\$777.78	1.84%
648,000	1,500.0	\$21,074.54	\$21,852.32	\$777.78	3.69%		\$26,424.56	\$26,424.56	\$0.00	0.00%	\$47,499.10	\$48,276.88	\$777.78	1.64%
864,000	1,500.0	\$22,582.86	\$23,360.64	\$777.78	3.44%		\$35,232.74	\$35,232.74	\$0.00	0.00%	\$57,815.60	\$58,593.38	\$777.78	1.35%
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576,000	2,000.0	\$25,956.97	\$26,972.12	\$1,015.15	3.91%		\$23,488.49	\$23,488.49	\$0.00	0.00%	\$49,445.46	\$50,460.61	\$1,015.15	2.05%
,	2,000.0	\$26,962.52	\$27,977.67	\$1,015.15	3.77%		\$29,360.62	\$29,360.62	\$0.00	0.00%	\$56,323.14	\$57,338.29	\$1,015.15	1.80%
	2,000.0	\$27,968.07	\$28,983.22	\$1,015.15	3.63%		\$35,232.74	\$35,232.74	\$0.00	0.00%	\$63,200.81	\$64,215.96	\$1,015.15	1.61%
1.152.000	2.000.0	\$29,979.17	\$30,994.32	\$1.015.15	3.39%		\$46.976.99	\$46.976.99	\$0.00	0.00%	\$76.956.16	\$77,971.31	\$1,015.15	1.32%

Current			Proposed		
Customer Charge		\$390.00	Customer Charge		\$455.00
T&D Demand Charge	kW x	\$10.62	T&D Demand Charge	kW x	\$11.09
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212	Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03564	Commodity Energy Charge	kWh x	\$0.03564
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00065	Merchant Function Charge	kWh x	\$0.00065
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408	CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GRT. Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (PRIMARY) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

			Delive	ry		Commodity					Total		
kWh Usage	kW	Curre	nt Proposed	Difference	Change	Current	Proposed	Difference	Change	Curren	t Proposed	Difference	Change
28,800	100.0	\$1,576.84	\$1,635.42	\$58.59	3.72%	\$1,139.22	\$1,139.22	\$0.00	0.00%	\$2,716.06	\$2,774.64	\$58.59	2.16%
36,000	100.0	\$1,627.12	\$1,685.70	\$58.59	3.60%	\$1,424.03	\$1,424.03	\$0.00	0.00%	\$3,051.15	\$3,109.73	\$58.59	1.92%
43,200	100.0	\$1,677.39	\$1,735.98	\$58.59	3.49%	\$1,708.84	\$1,708.84	\$0.00	0.00%	\$3,386.23	\$3,444.82	\$58.59	1.73%
57,600	100.0	\$1,777.93	\$1,836.53	\$58.59	3.30%	\$2,278.45	\$2,278.45	\$0.00	0.00%	\$4,056.40	\$4,114.98	\$58.59	1.44%
57,600	200.0	\$2,712.5	\$2,829.74	\$117.17	4.32%	\$2,278.45	\$2,278.45	\$0.00	0.00%	\$4,991.02	\$5,108.19	\$117.17	2.35%
72,000	200.0	\$2,813.12	2 \$2,930.29	\$117.17	4.17%	\$2,848.06	\$2,848.06	\$0.00	0.00%	\$5,661.18	\$5,778.35	\$117.17	2.07%
86,400	200.0	\$2,913.68	\$3,030.85	\$117.17	4.02%	\$3,417.67	\$3,417.67	\$0.00	0.00%	\$6,331.35	\$6,448.52	\$117.17	1.85%
115,200	200.0	\$3,114.79	\$3,231.96	\$117.17	3.76%	\$4,556.90	\$4,556.90	\$0.00	0.00%	\$7,671.69	\$7,788.86	\$117.17	1.53%
72,000	250.0	\$3,280.43		\$146.46	4.46%	\$2,848.06	\$2,848.06	\$0.00	0.00%	\$6,128.49		\$146.46	2.39%
90,000	250.0	\$3,406.12		\$146.46	4.30%	\$3,560.08	\$3,560.08	\$0.00	0.00%	\$6,966.20		\$146.46	2.10%
108,000	250.0	\$3,531.82		\$146.46	4.15%	\$4,272.09	\$4,272.09	\$0.00	0.00%	\$7,803.91	\$7,950.37	\$146.46	1.88%
144,000	250.0	\$3,783.20	\$3,929.67	\$146.46	3.87%	\$5,696.12	\$5,696.12	\$0.00	0.00%	\$9,479.32	\$9,625.79	\$146.46	1.55%
144,000	500.0	\$6,119.73		\$292.93	4.79%	\$5,696.12	\$5,696.12	\$0.00	0.00%	\$11,815.87	\$12,108.80	\$292.93	2.48%
180,000	500.0	\$6,371.13		\$292.93	4.60%	\$7,120.15	\$7,120.15	\$0.00	0.00%	\$13,491.28	\$13,784.21	\$292.93	2.17%
225,000	500.0	\$6,685.3	\$6,978.30	\$292.93	4.38%	\$8,900.19	\$8,900.19	\$0.00	0.00%	\$15,585.56	\$15,878.49	\$292.93	1.88%
288,000	500.0	\$7,125.30	\$7,418.23	\$292.93	4.11%	\$11,392.25	\$11,392.25	\$0.00	0.00%	\$18,517.55	\$18,810.48	\$292.93	1.58%
216,000	750.0	\$8,959.0		\$439.39	4.90%	\$8,544.19	\$8,544.19	\$0.00	0.00%	\$17,503.26		\$439.39	2.51%
270,000	750.0	\$9,336.13	\$9,775.54	\$439.39	4.71%	\$10,680.23	\$10,680.23	\$0.00	0.00%	\$20,016.38	\$20,455.77	\$439.39	2.20%
324,000	750.0	\$9,713.23	\$10,152.62	\$439.39	4.52%	\$12,816.28	\$12,816.28	\$0.00	0.00%	\$22,529.51	\$22,968.90	\$439.39	1.95%
432,000	750.0	\$10,467.39	\$10,906.79	\$439.39	4.20%	\$17,088.37	\$17,088.37	\$0.00	0.00%	\$27,555.76	\$27,995.16	\$439.39	1.59%
432,000	1,500.0	\$17,477.02		\$878.79	5.03%	\$17,088.37	\$17,088.37	\$0.00	0.00%	\$34,565.39	\$35,444.18	\$878.79	2.54%
540,000	1,500.0	\$18,231.18		\$878.79	4.82%	\$21,360.46	\$21,360.46	\$0.00	0.00%	\$39,591.64	\$40,470.43	\$878.79	2.22%
648,000	1,500.0	\$18,985.33		\$878.79	4.63%	\$25,632.56	\$25,632.56	\$0.00	0.00%	\$44,617.91	\$45,496.69	\$878.79	1.97%
864,000	1,500.0	\$20,493.6	\$21,372.46	\$878.79	4.29%	\$34,176.74	\$34,176.74	\$0.00	0.00%	\$54,670.41	\$55,549.20	\$878.79	1.61%
576,000	2,000.0	\$23,155.63		\$1,171.72	5.06%	\$22,784.49	\$22,784.49	\$0.00	0.00%	\$45,940.14	\$47,111.86	\$1,171.72	2.55%
720,000	2,000.0	\$24,161.2		\$1,171.72	4.85%	\$28,480.62	\$28,480.62	\$0.00	0.00%	\$52,641.83	\$53,813.54	\$1,171.72	2.23%
864,000	2,000.0	\$25,166.70		\$1,171.72	4.66%	\$34,176.74	\$34,176.74	\$0.00	0.00%	\$59,343.50	\$60,515.21	\$1,171.72	1.97%
1,152,000	2,000.0	\$27,177.80	\$28,349.58	\$1,171.72	4.31%	\$45,568.99	\$45,568.99	\$0.00	0.00%	\$72,746.85	\$73,918.57	\$1,171.72	1.61%

Current			Proposed		
Customer Charge		\$436.70	Customer Charge		\$436.70
T&D Demand Charge	kW x	\$9.21	T&D Demand Charge	kW x	\$9.79
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212	Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03443	Commodity Energy Charge	kWh x	\$0.03443
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00065	Merchant Function Charge	kWh x	\$0.00065
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408	CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GRT Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charage and Commodity GRT

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

			Deli	ery		Commodity					Total		
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	\$1,209.46	\$1,298.35	\$88.89	7.35%	\$1,115.08	\$1,115.08	\$0.00	0.00%	\$2,324.54	\$2,413.43	\$88.89	3.82%
36,000	100.0	\$1,259.74	\$1,348.63	\$88.89	7.06%	\$1,393.85	\$1,393.85	\$0.00	0.00%	\$2,653.59	\$2,742.48	\$88.89	3.35%
43,200	100.0	\$1,310.02	\$1,398.91	\$88.89	6.79%	\$1,672.62	\$1,672.62	\$0.00	0.00%	\$2,982.64	\$3,071.53	\$88.89	2.98%
57,600	100.0	\$1,410.57	\$1,499.46	\$88.89	6.30%	\$2,230.16	\$2,230.16	\$0.00	0.00%	\$3,640.73	\$3,729.62	\$88.89	2.44%
57,600	200.0	\$1,699.74	\$1,802.77	\$103.03	6.06%	\$2,230.16	\$2,230.16	\$0.00	0.00%	\$3,929.90	\$4,032.93	\$103.03	2.62%
72,000	200.0	\$1,800.29	\$1,903.32	\$103.03	5.72%	\$2,787.70	\$2,787.70	\$0.00	0.00%	\$4,587.99	\$4,691.02	\$103.03	2.25%
86,400	200.0	\$1,900.85	\$2,003.88	\$103.03	5.42%	\$3,345.24	\$3,345.24	\$0.00	0.00%	\$5,246.09	\$5,349.12	\$103.03	1.96%
115,200	200.0	\$2,101.96	\$2,204.99	\$103.03	4.90%	\$4,460.32	\$4,460.32	\$0.00	0.00%	\$6,562.28	\$6,665.31	\$103.03	1.57%
72,000	250.0	\$1,944.87	\$2,054.97	\$110.10	5.66%	\$2,787.70	\$2,787.70	\$0.00	0.00%	\$4,732.57	\$4,842.67	\$110.10	2.33%
90,000	250.0	\$2,070.57	\$2,180.67	\$110.10	5.32%	\$3,484.62	\$3,484.62	\$0.00	0.00%	\$5,555.19	\$5,665.29	\$110.10	1.98%
108,000	250.0	\$2,196.26	\$2,306.36	\$110.10	5.01%	\$4,181.55	\$4,181.55	\$0.00	0.00%	\$6,377.81	\$6,487.91	\$110.10	1.73%
144,000	250.0	\$2,447.65	\$2,557.75	\$110.10	4.50%	\$5,575.40	\$5,575.40	\$0.00	0.00%	\$8,023.05	\$8,133.15	\$110.10	1.37%
144,000	500.0	\$3,170.56	\$3,316.01	\$145.45	4.59%	\$5,575.40	\$5,575.40	\$0.00	0.00%	\$8,745.96	\$8,891.41	\$145.45	1.66%
180,000	500.0	\$3,421.94	\$3.567.40	\$145.45	4.25%	\$6,969.25	\$6,969.25	\$0.00	0.00%		\$10.536.65	\$145.45	1.40%
216,000	500.0	\$3,673.33	\$3,818.79	\$145.45	3.96%	\$8,363.09	\$8,363.09	\$0.00	0.00%	\$12,036.42	\$12,181.88	\$145.45	1.21%
288,000	500.0	\$4,176.11	\$4,321.56	\$145.45	3.48%	\$11,150.79	\$11,150.79	\$0.00	0.00%	\$15,326.90		\$145.45	0.95%
216,000	800.0	\$4,540.82	\$4,728.70	\$187.88	4.14%	\$8,363.09	\$8,363.09	\$0.00	0.00%	\$12,903.91	\$13 091 79	\$187.88	1.46%
270,000	800.0	\$4,917.90	\$5,105.78	\$187.88	3.82%		\$10.453.87	\$0.00	0.00%	\$15,371.77		\$187.88	1.22%
320,000	800.0	\$5,267.05	\$5,454.93	\$187.88	3.57%	\$12,389.77	\$12,389.77	\$0.00	0.00%	\$17,656.82		\$187.88	1.06%
432,000	800.0	\$6,049.14	\$6,237.02	\$187.88	3.11%	\$16,726.19		\$0.00	0.00%	\$22,775.33		\$187.88	0.82%
432,000	1,500.0	\$8,073.28	\$8,360.15	\$286.87	3.55%	\$16,726.19	\$16 726 19	\$0.00	0.00%	\$24,799.47	\$25,086.34	\$286.87	1.16%
540,000	1,500.0	\$8,827.44	\$9,114.31	\$286.87	3.25%		\$20,907.74	\$0.00	0.00%		\$30,022.05	\$286.87	0.96%
648,000	1,500.0	\$9,581.61	\$9,868.48	\$286.87	2.99%	\$25,089.28	,	\$0.00	0.00%	\$34,670.89		\$286.87	0.83%
864,000	1,500.0	\$11,089.93	\$11,376.80	\$286.87	2.59%	\$33,452.38		\$0.00	0.00%	\$44,542.31		\$286.87	0.64%
576,000	2,000.0	\$10,524.64	\$10 882 22	\$357.58	3.40%	\$22,301.59	\$22,301.59	\$0.00	0.00%	\$32,826.23	\$33,183.81	\$357.58	1.09%
720,000	2,000.0	\$11,530.20		\$357.58	3.10%	\$27,876.98		\$0.00	0.00%	\$39,407.18		\$357.58	0.91%
864,000	2,000.0	\$12,535.75		\$357.58	2.85%	\$33,452.38		\$0.00	0.00%		\$46.345.70	\$357.58	0.78%
1,152,000	2,000.0	\$14,546.85		\$357.58	2.46%	\$44,603.17		\$0.00	0.00%	\$59,150.02	,	\$357.58	0.60%

Current			<u>Proposed</u>		
Customer Charge		\$712.00	Customer Charge		\$786.00
T&D Demand Charge	kW x	\$2.82	T&D Demand Charge	kW x	\$2.96
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212	Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03360	Commodity Energy Charge	kWh x	\$0.03360
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408	CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00065	Merchant Function Charge	kWh x	\$0.00065
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GRT. Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (TRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

			Delive	ry			Commo	odity			Tota		
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	\$1,209.46	\$1,298.35	\$88.89	7.35%	\$1,128.75	\$1,128.75	\$0.00	0.00%	\$2,338.21	\$2,427.10	\$88.89	3.80%
36,000	100.0	\$1,259.74	\$1,348.63	\$88.89	7.06%	\$1,410.94	\$1,410.94	\$0.00	0.00%	\$2,670.68	\$2,759.57	\$88.89	3.33%
43,200	100.0	\$1,310.02	\$1,398.91	\$88.89	6.79%	\$1,693.13	\$1,693.13	\$0.00	0.00%	\$3,003.15	\$3,092.04	\$88.89	2.96%
57,600	100.0	\$1,410.57	\$1,499.46	\$88.89	6.30%	\$2,257.50	\$2,257.50	\$0.00	0.00%	\$3,668.07	\$3,756.96	\$88.89	2.42%
57,600	200.0	\$1,699.74	\$1,802.77	\$103.03	6.06%	\$2,257.50	\$2,257.50	\$0.00	0.00%	\$3,957.24	\$4,060.27	\$103.03	2.60%
72,000	200.0	\$1,800.29	\$1,903.32	\$103.03	5.72%	\$2,821.88	\$2,821.88	\$0.00	0.00%	\$4,622.17	\$4,725.20	\$103.03	2.23%
86,400	200.0	\$1,900.85	\$2.003.88	\$103.03	5.42%	\$3,386.26	\$3,386.26	\$0.00	0.00%	\$5,287.11	\$5,390.14	\$103.03	1.95%
115,200	200.0	\$2,101.96	\$2,003.88	\$103.03	4.90%	\$4,515.01	\$4,515.01	\$0.00	0.00%	\$6,616.97	\$6,720.00	\$103.03	1.56%
113,200	200.0	\$2,101.90	\$2,204.99	\$105.05	4.5070	\$4,313.01	\$4,313.01	\$0.00	0.0078	\$0,010.97	\$0,720.00	\$105.05	1.5070
72,000	250.0	\$1,944.87	\$2,054.97	\$110.10	5.66%	\$2,821.88	\$2,821.88	\$0.00	0.00%	\$4,766.75	\$4,876.85	\$110.10	2.31%
90,000	250.0	\$2,070.57	\$2,180.67	\$110.10	5.32%	\$3,527.35	\$3,527.35	\$0.00	0.00%	\$5,597.92	\$5,708.02	\$110.10	1.97%
108,000	250.0	\$2,196.26	\$2,306.36	\$110.10	5.01%	\$4,232.82	\$4,232.82	\$0.00	0.00%	\$6,429.08	\$6,539.18	\$110.10	1.71%
144,000	250.0	\$2,447.65	\$2,557.75	\$110.10	4.50%	\$5,643.76	\$5,643.76	\$0.00	0.00%	\$8,091.41	\$8,201.51	\$110.10	1.36%
					4 = 00.4								4 6 50 1
144,000	500.0	\$3,170.56	\$3,316.01	\$145.45	4.59%	\$5,643.76	\$5,643.76	\$0.00	0.00%	\$8,814.32	\$8,959.77	\$145.45	1.65%
180,000	500.0	\$3,421.94	\$3,567.40	\$145.45	4.25%	\$7,054.70	\$7,054.70	\$0.00	0.00%	\$10,476.64	\$10,622.10	\$145.45	1.39%
216,000	500.0	\$3,673.33	\$3,818.79	\$145.45	3.96%	\$8,465.64	\$8,465.64	\$0.00	0.00%	\$12,138.97	\$12,284.43	\$145.45	1.20%
288,000	500.0	\$4,176.11	\$4,321.56	\$145.45	3.48%	\$11,287.52	\$11,287.52	\$0.00	0.00%	\$15,463.63	\$15,609.08	\$145.45	0.94%
216,000	800.0	\$4,540.82	\$4,728.70	\$187.88	4.14%	\$8,465.64	\$8,465.64	\$0.00	0.00%	\$13,006.46	\$13,194.34	\$187.88	1.44%
270,000	800.0	\$4,917.90	\$5,105.78	\$187.88	3.82%	\$10,582.05	\$10,582.05	\$0.00	0.00%	\$15,499.95	\$15,687.83	\$187.88	1.21%
320,000	800.0	\$5,267.05	\$5,454.93	\$187.88	3.57%	\$12,541.69	\$12,541.69	\$0.00	0.00%	\$17,808.74	\$17,996.62	\$187.88	1.05%
432,000	800.0	\$6,049.14	\$6,237.02	\$187.88	3.11%	\$16,931.28	\$16,931.28	\$0.00	0.00%	\$22,980.42	\$23,168.30	\$187.88	0.82%
432,000	800.0	30,049.14	30,237.02	\$107.00	3.11/0	\$10,931.28	\$10,931.20	\$0.00	0.0078	322,980.42	\$25,106.50	\$107.00	0.02/0
432,000	1,500.0	\$8,073.28	\$8,360.15	\$286.87	3.55%	\$16,931.28	\$16,931.28	\$0.00	0.00%	\$25,004.56	\$25,291.43	\$286.87	1.15%
540,000	1,500.0	\$8,827.44	\$9,114.31	\$286.87	3.25%	\$21,164.10	\$21,164.10	\$0.00	0.00%	\$29,991.54	\$30,278.41	\$286.87	0.96%
648,000	1,500.0	\$9,581.61	\$9,868.48	\$286.87	2.99%	\$25,396.92	\$25,396.92	\$0.00	0.00%	\$34,978.53	\$35,265.40	\$286.87	0.82%
864,000	1,500.0	\$11,089.93	\$11,376.80	\$286.87	2.59%	\$33,862.56	\$33,862.56	\$0.00	0.00%	\$44,952.49	\$45,239.36	\$286.87	0.64%
576.000	2 000 0	010.524.64	010 000 00	6257.50	2.400/	600 575 04	000 575 04	<b>#0.00</b>	0.000/	622 000 60	622 455 26	#2.5 <b>7</b> .50	1.000/
576,000	2,000.0	\$10,524.64	\$10,882.22	\$357.58	3.40%	\$22,575.04	\$22,575.04	\$0.00	0.00%	\$33,099.68	\$33,457.26	\$357.58	1.08%
720,000	2,000.0	\$11,530.20	\$11,887.77	\$357.58	3.10%	\$28,218.80	\$28,218.80	\$0.00	0.00%	\$39,749.00	\$40,106.57	\$357.58	0.90%
864,000	2,000.0	\$12,535.75	\$12,893.32	\$357.58	2.85%	\$33,862.56	\$33,862.56	\$0.00	0.00%	\$46,398.31	\$46,755.88	\$357.58	0.77%
1,152,000	2,000.0	\$14,546.85	\$14,904.42	\$357.58	2.46%	\$45,150.08	\$45,150.08	\$0.00	0.00%	\$59,696.93	\$60,054.50	\$357.58	0.60%

Current			<u>Proposed</u>		
Customer Charge		\$712.00	Customer Charge		\$786.00
T&D Demand Charge	kW x	\$2.82	T&D Demand Charge	kW x	\$2.96
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212	Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03407	Commodity Energy Charge	kWh x	\$0.03407
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.004080	CES Supply Charge	kWh x	\$0.004080
CES Delivery Charge	kWh x	\$0.000000	CES Delivery Charge	kWh x	\$0.000000
Merchant Function Charge	kWh x	\$0.00065	Merchant Function Charge	kWh x	0.00065
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Chargeand Delivery GRT. Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (SECONDARY) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

				Deliver	у			Commo	dity		Total			
kWh Usage Or	n-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	\$32,349.41	\$34,075.00	\$1,725.59	5.33%	\$29,540.98	\$29,540.98	\$0.00	0.00%	\$61,890.39	\$63,615.98	\$1,725.59	2.79%
720,000	50%	2,500.0	\$32,349.41	\$34,075.00	\$1,725.59	5.33%	\$28,066.07	\$28,066.07	\$0.00	0.00%	\$60,415.48	\$62,141.07	\$1,725.59	2.86%
720,000	40%	2,500.0	\$32,349.41	\$34,075.00	\$1,725.59	5.33%	\$26,591.16	\$26,591.16	\$0.00	0.00%	\$58,940.57	\$60,666.16	\$1,725.59	2.93%
1,250,000	60%	2,500.0	\$36,050.40	\$37,775.98	\$1,725.59	4.79%	\$51,286.43	\$51,286.43	\$0.00	0.00%	\$87,336.83	\$89,062.41	\$1,725.59	1.98%
1,250,000	50%	2,500.0	\$36,050.40	\$37,775.98	\$1,725.59	4.79%	\$48,725.82	\$48,725.82	\$0.00	0.00%	\$84,776.22	\$86,501.80	\$1,725.59	2.04%
1,250,000	40%	2,500.0	\$36,050.40	\$37,775.98	\$1,725.59	4.79%	\$46,165.21	\$46,165.21	\$0.00	0.00%	\$82,215.61	\$83,941.19	\$1,725.59	2.10%
1,440,000	60%	2,500.0	\$37,377.17	\$39,102.75	\$1,725.59	4.62%	\$59,081.96	\$59,081.96	\$0.00	0.00%	\$96,459.13	\$98,184.71	\$1,725.59	1.79%
1,440,000	50%	2,500.0	\$37,377.17	\$39,102.75	\$1,725.59	4.62%	\$56,132.14	\$56,132.14	\$0.00	0.00%	\$93,509.31	\$95,234.89	\$1,725.59	1.85%
1,440,000	40%	2,500.0	\$37,377.17	\$39,102.75	\$1,725.59	4.62%	\$53,182.33	\$53,182.33	\$0.00	0.00%	\$90,559.50	\$92,285.08	\$1,725.59	1.91%
1,008,000	60%	3,500.0	\$44,615.77	\$46,896.92	\$2,281.14	5.11%	\$41,357.37	\$41,357.37	\$0.00	0.00%	\$85,973,14	\$88,254.29	\$2,281.14	2.65%
1,008,000	50%	3,500.0	\$44,615.77	\$46,896.92	\$2,281.14	5.11%	\$39,292.50	\$39,292.50	\$0.00	0.00%	\$83,908.27	\$86,189.42	\$2,281.14	2.72%
1,008,000	40%	3,500.0	\$44,615.77	\$46,896.92	\$2,281.14	5.11%	\$37,227.63	\$37,227.63	\$0.00	0.00%	\$81,843.40	\$84,124.55	\$2,281.14	2.79%
1,512,000	60%	3,500.0	\$48,135.20	\$50,416.34	\$2,281.14	4.74%	\$62,036.06	\$62,036.06	\$0.00	0.00%	\$110,171.26	\$112,452.40	\$2,281.14	2.07%
1,512,000	50%	3,500.0	\$48,135.20	\$50,416.34	\$2,281.14	4.74%	\$58,938.75	\$58,938.75	\$0.00	0.00%	\$107.073.95	\$109,355.09	\$2,281.14	2.13%
1,512,000	40%	3,500.0	\$48,135.20	\$50,416.34	\$2,281.14	4.74%	\$55,841.44	\$55,841.44	\$0.00	0.00%	\$103,976.64	\$106,257.78	\$2,281.14	2.19%
2.016.000	60%	2.500.0	051 (54 (2	052 025 77	©2 201 14	4.42%	\$82.714.75	002 714 75	\$0.00	0.00%	\$134.369.38	0127 750 52	\$2,281.14	1.700/
2,016,000		3,500.0	\$51,654.63	\$53,935.77	\$2,281.14 \$2,281.14	4.42%	,	\$82,714.75 \$78,585.00		0.00%	, , ,, ,, ,,	\$136,650.52	\$2,281.14 \$2,281.14	1.70% 1.75%
2,016,000	50% 40%	3,500.0	\$51,654.63 \$51,654.63	\$53,935.77 \$53,935.77	\$2,281.14	4.42%	\$78,585.00		\$0.00 \$0.00	0.00%	\$130,239.63 \$126,109.89	\$132,520.77 \$128,391.03	\$2,281.14	1.75%
2,016,000	40%	3,500.0	\$31,634.63	\$33,933.77	\$2,281.14	4.4270	\$74,455.26	\$74,455.26	\$0.00	0.00%	\$120,109.89	\$128,391.03	\$2,261.14	1.0170
1,152,000	60%	4,000.0	\$50,748.96	\$53,307.88	\$2,558.92	5.04%	\$47,265.57	\$47,265.57	\$0.00	0.00%	\$98,014.53	\$100,573.45	\$2,558.92	2.61%
1,152,000	50%	4,000.0	\$50,748.96	\$53,307.88	\$2,558.92	5.04%	\$44,905.72	\$44,905.72	\$0.00	0.00%	\$95,654.68	\$98,213.60	\$2,558.92	2.68%
1,152,000	40%	4,000.0	\$50,748.96	\$53,307.88	\$2,558.92	5.04%	\$42,545.86	\$42,545.86	\$0.00	0.00%	\$93,294.82	\$95,853.74	\$2,558.92	2.74%
1,728,000	60%	4,000.0	\$54,771.16	\$57,330.08	\$2,558.92	4.67%	\$70,898.36	\$70,898.36	\$0.00	0.00%	\$125,669.52	\$128,228.44	\$2,558.92	2.04%
1,728,000	50%	4,000.0	\$54,771.16	\$57,330.08	\$2,558.92	4.67%	\$67,358.57	\$67,358.57	\$0.00	0.00%	\$122,129.73	\$124,688.65	\$2,558.92	2.10%
1,728,000	40%	4,000.0	\$54,771.16	\$57,330.08	\$2,558.92	4.67%	\$63,818.79	\$63,818.79	\$0.00	0.00%	\$118,589.95	\$121,148.87	\$2,558.92	2.16%
2,304,000	60%	4.000.0	\$58,793.36	\$61,352.28	\$2.558.92	4.35%	\$94.531.14	\$94.531.14	\$0.00	0.00%	\$153.324.50	\$155,883.42	\$2.558.92	1.67%
2,304,000	50%	4,000.0	\$58,793,36	\$61,352.28	\$2,558.92	4.35%	\$89.811.43	\$89,811.43	\$0.00	0.00%	\$148,604.79	\$151,163.71	\$2,558.92	1.72%
2,304,000	40%	4,000.0	\$58,793.36	\$61,352.28	\$2,558.92	4.35%	\$85,091.72	\$85,091.72	\$0.00	0.00%	\$143,885.08	\$146,444.00	\$2,558.92	1.78%
3,888,000	60%	13,500.0	\$167,279.40	\$175,116.10	\$7,836.70	4.68%	\$159,521.30	\$159,521.30	\$0.00	0.00%	\$326.800.70	\$334,637.40	\$7,836.70	2.40%
3,888,000	50%	13,500.0	\$167,279.40	\$175,116.10	\$7,836.70	4.68%	\$159,521.30 \$151,556.79	\$159,521.50	\$0.00	0.00%	\$318,836.19	\$326,672.89	\$7,836.70	2.46%
3,888,000	40%	13,500.0	\$167,279.40	\$175,116.10	\$7,836.70	4.68%	\$131,530.79	\$131,530.79	\$0.00	0.00%	\$310,871.68	\$318,708.38	\$7,836.70	2.52%
									***					4.0=
5,832,000	60%	13,500.0	\$180,854.34	\$188,691.04	\$7,836.70	4.33%	\$239,281.95	\$239,281.95	\$0.00	0.00%	\$420,136.29	\$427,972.99	\$7,836.70	1.87%
5,832,000	50%	13,500.0	\$180,854.34	\$188,691.04	\$7,836.70	4.33%	\$227,335.19	\$227,335.19	\$0.00	0.00%	\$408,189.53	\$416,026.23	\$7,836.70	1.92%
5,832,000	40%	13,500.0	\$180,854.34	\$188,691.04	\$7,836.70	4.33%	\$215,388.42	\$215,388.42	\$0.00	0.00%	\$396,242.76	\$404,079.46	\$7,836.70	1.98%
7,776,000	60%	13,500.0	\$194,429.28	\$202,265.98	\$7,836.70	4.03%	\$319,042.60	\$319,042.60	\$0.00	0.00%	\$513,471.88	\$521,308.58	\$7,836.70	1.53%
7,776,000	50%	13,500.0	\$194,429.28	\$202,265.98	\$7,836.70	4.03%	\$303,113.58	\$303,113.58	\$0.00	0.00%	\$497,542.86	\$505,379.56	\$7,836.70	1.58%
7,776,000	40%	13,500.0	\$194,429.28	\$202,265.98	\$7,836.70	4.03%	\$287,184.56	\$287,184.56	\$0.00	0.00%	\$481,613.84	\$489,450.54	\$7,836.70	1.63%

Current			Proposed		
Customer Charge		\$1,666.67	Customer Charge		\$2,000.00
T&D Demand Charge	kW x	\$10.11	T&D Demand Charge	kW x	\$10.66
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212	Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge On Peak	kWh x	\$0.04400	Commodity Energy Charge On Peak	kWh x	\$0.04400
Commodity Energy Charge Off Peak	kWh x	\$0.02372	Commodity Energy Charge Off Peak	kWh x	\$0.02372
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408	CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00065	Merchant Function Charge	kWh x	0.00065
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Deferral Recovery, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GRT. Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (PRIMARY) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

720,000 60% 2,500 532,349.41 \$34,075.00 \$1,725.59 \$33% \$28,868.98 \$30,00 0.00% \$50,723.69 \$51,725.59 \$28,700 \$70,000 50% 2,500 \$32,349.41 \$34,075.00 \$1,725.59 \$33% \$30,00 50% \$20,000 \$30,000 \$32,349.41 \$34,075.00 \$1,725.59 \$33% \$30,00 0.00% \$50,000 0.00% \$50,703.60 \$61,519.25 \$1,725.59 \$2,90% \$1,250.00 \$32,349.41 \$34,075.00 \$1,725.59 \$33% \$30,00 0.00% \$50,000 0.00% \$50,000 0.00% \$32,349.41 \$34,075.00 \$1,725.59 \$33% \$30,00 0.00% \$50,000 0.00% \$30,809.40 \$31,725.59 \$2,90% \$1,250.00 \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000 0.00% \$34,000					Delive	ry			Commo	dity			Total		
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1,250,000   60%   2,500   536,050,40   537,775,98   51,725.59   4.79%   537,656,27   547,662,7   540,000   50%   2,500   536,050,40   537,775,98   51,725.59   4.79%   537,662,7   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,000   540,0															
1,250,000	720,000	40%	2,500.0	\$32,349.41	\$34,075.00	\$1,725.59	5.33%	\$26,019.53	\$26,019.53	\$0.00	0.00%	\$58,368.94	\$60,094.53	\$1,725.59	2.96%
1,250,000	1,250,000	60%	2,500.0	\$36,050.40	\$37,775.98	\$1,725.59	4.79%	\$50,119.76	\$50,119.76	\$0.00	0.00%	\$86,170.16	\$87,895.74	\$1,725.59	2.00%
1,440,000	1,250,000	50%	2,500.0	\$36,050.40	\$37,775.98	\$1,725.59	4.79%	\$47,646.27	\$47,646.27	\$0.00	0.00%	\$83,696.67	\$85,422.25	\$1,725.59	2.06%
1,440,000   50%   2,500.0   537,377.17   539,102.75   51,725.59   4,62%   52,818.51   58,488.51   50,000   0,00%   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000	1,250,000	40%	2,500.0	\$36,050.40	\$37,775.98	\$1,725.59	4.79%	\$45,172.79	\$45,172.79	\$0.00	0.00%	\$81,223.19	\$82,948.77	\$1,725.59	2.12%
1,440,000   50%   2,500.0   537,377.17   539,102.75   51,725.59   4,62%   52,818.51   58,488.51   50,000   0,00%   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000   590,000	1 440 000	60%	2 500 0	\$37 377 17	\$39 102 75	\$1 725 59	4 62%	\$57 737 96	\$57 737 96	\$0.00	0.00%	\$95 115 13	\$96 840 71	\$1 725 59	1.81%
1.40,000															
1,008,000   60%   3,500   544,615.77   546,896.92   52,281.14   5.11%   534,416.57   540,416.57   546,896.92   52,281.14   5.11%   534,21.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538,421.96   538															
1,008,000   50%   3,500	-,,		_,		,	**,,-		402,000,000	,	4			***************************************	**,,=*	
1,512,000   60%   3,500   544,615.77   \$46,896.92   \$2,281.14   5.11%   \$36,427.34   \$36,427.34   \$0.00   0.00%   \$81,043.11   \$83,324.26   \$2,281.14   2.81%   \$1,512,000   50%   3,500   \$48,135.20   \$59,416.34   \$2,281.14   4.74%   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,652.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,662.93   \$57,															2.68%
1,512,000															2.75%
1,512,000	1,008,000	40%	3,500.0	\$44,615.77	\$46,896.92	\$2,281.14	5.11%	\$36,427.34	\$36,427.34	\$0.00	0.00%	\$81,043.11	\$83,324.26	\$2,281.14	2.81%
1,512,000 40% 3,500.0 \$48,135.20 \$50,416.34 \$2,281.14 4.74% \$54,641.01 \$5.00 0.00% \$102,776.21 \$105,057.35 \$2,281.14 2.22% \$2,016,000 60% 3,500.0 \$51,654.63 \$53,935.77 \$2,281.14 4.42% \$80,833.15 \$80,833.15 \$80.0 0.00% \$132,487.78 \$134,768.92 \$2,281.14 1.72% \$76,843.91 \$80.0 0.00% \$124,509.31 \$126,790.45 \$2,281.14 1.83% \$76,843.91 \$80.0 0.00% \$124,509.31 \$126,790.45 \$2,281.14 1.83% \$76,843.91 \$80.0 0.00% \$124,509.31 \$126,790.45 \$2,281.14 1.83% \$76,843.91 \$80.0 0.00% \$124,509.31 \$126,790.45 \$2,281.14 1.83% \$76,843.91 \$80.0 0.00% \$124,509.31 \$126,790.45 \$2,281.14 1.83% \$76,843.91 \$80.0 0.00% \$124,509.31 \$126,790.45 \$2,281.14 1.83% \$76,843.91 \$80.0 0.00% \$94,982.5 \$2,281.14 1.83% \$76,843.91 \$80.0 0.00% \$94,982.5 \$2,281.14 1.83% \$94,000 \$50,748.96 \$53,307.88 \$2,258.92 5.04% \$43,910.81 \$43,910.81 \$90.0 0.00% \$94,659.77 \$97,218.69 \$2,258.92 2.77% \$94,000 \$94,000.0 \$50,748.96 \$53,307.88 \$2,258.92 5.04% \$44,001.0 \$50,748.96 \$53,307.88 \$2,258.92 5.04% \$44,031.24 \$44,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$94,031.24 \$	1,512,000	60%	3,500.0	\$48,135.20	\$50,416.34	\$2,281.14	4.74%	\$60,624.86	\$60,624.86	\$0.00	0.00%	\$108,760.06	\$111,041.20	\$2,281.14	2.10%
2,016,000 60% 3,500.0 \$51,654.63 \$53,935.77 \$2,281.14 4.42% \$76,843.91 \$0.00 0.00% \$132,487.78 \$134,768.92 \$2,281.14 1.72% \$76,843.91 \$0.00 0.00% \$128,498.54 \$130,779.68 \$2,281.14 1.72% \$76,843.91 \$0.00 0.00% \$124,509.31 \$126,790.45 \$2,281.14 1.78% \$76,843.91 \$0.00 0.00% \$124,509.31 \$126,790.45 \$2,281.14 1.83% \$78,843.91 \$0.00 0.00% \$124,509.31 \$126,790.45 \$2,281.14 1.83% \$78,843.91 \$0.00 0.00% \$124,509.31 \$126,790.45 \$2,281.14 1.83% \$78,843.91 \$0.00 0.00% \$124,509.31 \$126,790.45 \$2,281.14 1.83% \$78,843.91 \$0.00 0.00% \$124,509.31 \$126,790.45 \$2,281.14 1.83% \$78,843.91 \$0.00 0.00% \$124,509.31 \$126,790.45 \$2,281.14 1.83% \$11,52,000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.0	1,512,000	50%	3,500.0	\$48,135.20	\$50,416.34	\$2,281.14	4.74%	\$57,632.93	\$57,632.93	\$0.00	0.00%	\$105,768.13	\$108,049.27	\$2,281.14	2.16%
2,016,000 50% 3,500.0 \$51,654.63 \$53,935.77 \$2,281.14 4.42% \$76,843.91 \$76,843.91 \$0.00 0.00% \$124,509.31 \$126,790.45 \$2,281.14 1.83% \$11,52,000 60% 4,000.0 \$50,748.96 \$53,307.88 \$2,558.92 \$5.04% \$4,000.0 \$50,748.96 \$53,307.88 \$2,558.92 \$5.04% \$4,000.0 \$50,748.96 \$53,307.88 \$2,558.92 \$5.04% \$4,000.0 \$50,748.96 \$53,307.88 \$2,558.92 \$5.04% \$4,000.0 \$50,748.96 \$53,307.88 \$2,558.92 \$5.04% \$4,000.0 \$50,748.96 \$53,307.88 \$2,558.92 \$5.04% \$4,000.0 \$50,748.96 \$53,307.88 \$2,558.92 \$5.04% \$4,000.0 \$50,748.96 \$53,307.88 \$2,558.92 \$6.04% \$61,631.24 \$41,631.24 \$0.00 \$0.00% \$94,659.77 \$97,218.69 \$2,558.92 \$2.77% \$1,728,000 \$60% \$4,000.0 \$54,771.16 \$57,330.08 \$2,558.92 \$4.67% \$66,285.56 \$69,285.56 \$0.00 \$0.00% \$124,056.72 \$126,615.64 \$2,558.92 \$2.77% \$1,728,000 \$40% \$4,000.0 \$54,771.16 \$57,330.08 \$2,558.92 \$4.67% \$65,866.21 \$60.00 \$0.00% \$117,218.02 \$119,776.94 \$2,558.92 \$2.12% \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,2	1,512,000	40%	3,500.0	\$48,135.20	\$50,416.34	\$2,281.14	4.74%	\$54,641.01	\$54,641.01	\$0.00	0.00%	\$102,776.21	\$105,057.35	\$2,281.14	2.22%
2,016,000 50% 3,500.0 \$51,654.63 \$53,935.77 \$2,281.14 4.42% \$76,843.91 \$76,843.91 \$0.00 0.00% \$124,509.31 \$126,790.45 \$2,281.14 1.83% \$11,52,000 60% 4,000.0 \$50,748.96 \$53,307.88 \$2,558.92 \$5.04% \$4,000.0 \$50,748.96 \$53,307.88 \$2,558.92 \$5.04% \$4,000.0 \$50,748.96 \$53,307.88 \$2,558.92 \$5.04% \$4,000.0 \$50,748.96 \$53,307.88 \$2,558.92 \$5.04% \$4,000.0 \$50,748.96 \$53,307.88 \$2,558.92 \$5.04% \$4,000.0 \$50,748.96 \$53,307.88 \$2,558.92 \$5.04% \$4,000.0 \$50,748.96 \$53,307.88 \$2,558.92 \$5.04% \$4,000.0 \$50,748.96 \$53,307.88 \$2,558.92 \$6.04% \$61,631.24 \$41,631.24 \$0.00 \$0.00% \$94,659.77 \$97,218.69 \$2,558.92 \$2.77% \$1,728,000 \$60% \$4,000.0 \$54,771.16 \$57,330.08 \$2,558.92 \$4.67% \$66,285.56 \$69,285.56 \$0.00 \$0.00% \$124,056.72 \$126,615.64 \$2,558.92 \$2.77% \$1,728,000 \$40% \$4,000.0 \$54,771.16 \$57,330.08 \$2,558.92 \$4.67% \$65,866.21 \$60.00 \$0.00% \$117,218.02 \$119,776.94 \$2,558.92 \$2.12% \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,218.00 \$117,2	2 016 000	60%	3 500 0	\$51 654 63	\$53 935 77	\$2.281.14	4 42%	\$80 833 15	\$80 833 15	\$0.00	0.00%	\$132 487 78	\$134 768 92	\$2 281 14	1 72%
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1,152,000	1,152,000	60%	4,000.0	\$50,748.96	\$53,307.88	\$2,558.92	5.04%	\$46,190.37	\$46,190.37	\$0.00	0.00%	\$96,939.33	\$99,498.25	\$2,558.92	2.64%
1,728,000 60% 4,000.0	1,152,000	50%	4,000.0	\$50,748.96	\$53,307.88	\$2,558.92	5.04%	\$43,910.81	\$43,910.81	\$0.00	0.00%	\$94,659.77	\$97,218.69	\$2,558.92	2.70%
1,728,000         50%         4,000.0         \$54,771.16         \$57,330.08         \$2,558.92         4.67%         \$65,866.21         \$65,866.21         \$0.00         0.00%         \$120,637.37         \$123,196.29         \$2,558.92         2.12%           2,304,000         60%         4,000.0         \$58,793.36         \$61,352.28         \$2,558.92         4.35%         \$92,380.74         \$90.00         0.00%         \$117,218.02         \$119,776.94         \$2,558.92         2.18%           2,304,000         50%         4,000.0         \$58,793.36         \$61,352.28         \$2,558.92         4.35%         \$92,380.74         \$90.00         0.00%         \$117,218.02         \$119,776.94         \$2,558.92         2.18%           2,304,000         50%         4,000.0         \$58,793.36         \$61,352.28         \$2,558.92         4.35%         \$87,821.61         \$80.00         0.00%         \$146,614.97         \$149,173.89         \$2,558.92         1.5%           2,304,000         40%         4,000.0         \$58,793.36         \$61,352.28         \$2,558.92         4.35%         \$87,821.61         \$80.00         0.00%         \$146,614.97         \$149,173.89         \$2,558.92         1.75%           3,888,000         30         13,500.0         \$167,279.40	1,152,000	40%	4,000.0	\$50,748.96	\$53,307.88	\$2,558.92	5.04%	\$41,631.24	\$41,631.24	\$0.00	0.00%	\$92,380.20	\$94,939.12	\$2,558.92	2.77%
1,728,000         50%         4,000.0         \$54,771.16         \$57,330.08         \$2,558.92         4.67%         \$65,866.21         \$65,866.21         \$0.00         0.00%         \$120,637.37         \$123,196.29         \$2,558.92         2.12%           2,304,000         60%         4,000.0         \$58,793.36         \$61,352.28         \$2,558.92         4.35%         \$92,380.74         \$90.00         0.00%         \$117,218.02         \$119,776.94         \$2,558.92         2.18%           2,304,000         50%         4,000.0         \$58,793.36         \$61,352.28         \$2,558.92         4.35%         \$92,380.74         \$90.00         0.00%         \$117,218.02         \$119,776.94         \$2,558.92         2.18%           2,304,000         50%         4,000.0         \$58,793.36         \$61,352.28         \$2,558.92         4.35%         \$87,821.61         \$80.00         0.00%         \$146,614.97         \$149,173.89         \$2,558.92         1.5%           2,304,000         40%         4,000.0         \$58,793.36         \$61,352.28         \$2,558.92         4.35%         \$87,821.61         \$80.00         0.00%         \$146,614.97         \$149,173.89         \$2,558.92         1.75%           3,888,000         30         13,500.0         \$167,279.40	1.728.000	60%	4.000.0	\$54,771.16	\$57.330.08	\$2,558.92	4.67%	\$69,285,56	\$69.285.56	\$0.00	0.00%	\$124.056.72	\$126.615.64	\$2,558.92	2.06%
1,728,000 40% 4,000.0 \$54,771.16 \$57,330.08 \$2,558.92 4.67% \$62,446.86 \$62,446.86 \$0.00 0.00% \$117,218.02 \$119,776.94 \$2,558.92 2.18% \$2,304,000 60% 4,000.0 \$58,793.36 \$61,352.28 \$2,558.92 4.35% \$92,380.74 \$92,380.74 \$0.00 0.00% \$151,174.10 \$153,733.02 \$2,558.92 1.69% \$2,304,000 50% 4,000.0 \$58,793.36 \$61,352.28 \$2,558.92 4.35% \$87,821.61 \$87,821.61 \$0.00 0.00% \$146,614.97 \$149,173.89 \$2,558.92 1.75% \$83,262.49 \$83,262.49 \$0.00 0.00% \$142,055.85 \$144,614.77 \$2,558.92 1.80% \$83,888,000 50% 13,500.0 \$167,279.40 \$175,116.10 \$7,836.70 4.68% \$158,892.50 \$155,892.50 \$0.00 0.00% \$323,171.90 \$331,008.60 \$7,836.70 2.42% \$3,888,000 50% 13,500.0 \$167,279.40 \$175,116.10 \$7,836.70 4.68% \$148,198.97 \$0.00 0.00% \$315,478.37 \$323,315.07 \$7,836.70 2.48% \$3,888,000 40% 13,500.0 \$167,279.40 \$175,116.10 \$7,836.70 4.68% \$140,505.45 \$140,505.45 \$0.00 0.00% \$315,478.37 \$323,315.07 \$7,836.70 2.45% \$3,838,000 50% 13,500.0 \$167,279.40 \$175,116.10 \$7,836.70 4.68% \$140,505.45 \$140,505.45 \$0.00 0.00% \$315,478.37 \$323,315.07 \$7,836.70 2.45% \$3,838,000 50% 13,500.0 \$180,854.34 \$188,691.04 \$7,836.70 4.33% \$222,298.46 \$0.00 0.00% \$414,693.09 \$422,529.79 \$7,836.70 1.89% \$332,000 50% 13,500.0 \$180,854.34 \$188,691.04 \$7,836.70 4.33% \$222,298.46 \$0.00 0.00% \$30,784.85 \$315,621.55 \$7,836.70 1.94% \$3,832,000 50% 13,500.0 \$180,854.34 \$188,691.04 \$7,836.70 4.33% \$222,298.46 \$0.00 0.00% \$391,612.51 \$399,449.21 \$7,836.70 1.94% \$3,832,000 50% 13,500.0 \$180,854.34 \$188,691.04 \$7,836.70 4.33% \$222,298.46 \$0.00 0.00% \$391,612.51 \$399,449.21 \$7,836.70 1.94% \$3,832,000 50% 13,500.0 \$180,854.34 \$188,691.04 \$7,836.70 4.33% \$220,208.84 \$0.00 0.00% \$391,612.51 \$399,449.21 \$7,836.70 1.94% \$3,832,000 50% 13,500.0 \$194,429.28 \$202,265.98 \$7,836.70 4.03% \$296,397.94 \$0.00 0.00% \$490,827.22 \$498,663.92 \$7,836.70 1.55% \$296,397.94 \$0.00 0.00% \$490,827.22 \$498,663.92 \$7,836.70 1.60% \$296,397.94 \$0.00 0.00% \$490,827.22 \$498,663.92 \$7,836.70 1.60% \$296,397.94 \$0.00 0.00% \$490,827.22 \$498,663.92 \$7,836.70 1.60% \$296,397.94 \$0.00 0.00% \$490,827.22 \$498,663.92 \$7,836.70 1.60															
2,304,000         50%         4,000.0         \$58,793.36         \$61,352.28         \$2,558.92         4.35%         \$87,821.61         \$87,821.61         \$80.00         0.00%         \$146,614.97         \$149,173.89         \$2,558.92         1.75%           3,888,000         60%         13,500.0         \$167,279.40         \$175,116.10         \$7,836.70         4.68%         \$155,892.50         \$155,892.50         \$0.00         0.00%         \$323,171.90         \$331,008.60         \$7,836.70         2.42%           3,888,000         50%         13,500.0         \$167,279.40         \$175,116.10         \$7,836.70         4.68%         \$148,198.97         \$10.00         0.00%         \$315,478.37         \$323,315.07         \$7,836.70         2.42%           3,888,000         40%         13,500.0         \$167,279.40         \$175,116.10         \$7,836.70         4.68%         \$148,198.97         \$10.00         0.00%         \$315,478.37         \$323,315.07         \$7,836.70         2.48%           3,888,000         60%         13,500.0         \$167,279.40         \$175,116.10         \$7,836.70         4.68%         \$140,505.45         \$0.00         0.00%         \$315,478.37         \$323,315.07         \$7,836.70         2.48%           5,832,000         50% <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2.18%</td></td<>															2.18%
2,304,000         50%         4,000.0         \$58,793.36         \$61,352.28         \$2,558.92         4.35%         \$87,821.61         \$87,821.61         \$80.00         0.00%         \$146,614.97         \$149,173.89         \$2,558.92         1.75%           3,888,000         60%         13,500.0         \$167,279.40         \$175,116.10         \$7,836.70         4.68%         \$155,892.50         \$155,892.50         \$0.00         0.00%         \$323,171.90         \$331,008.60         \$7,836.70         2.42%           3,888,000         50%         13,500.0         \$167,279.40         \$175,116.10         \$7,836.70         4.68%         \$148,198.97         \$10.00         0.00%         \$315,478.37         \$323,315.07         \$7,836.70         2.42%           3,888,000         40%         13,500.0         \$167,279.40         \$175,116.10         \$7,836.70         4.68%         \$148,198.97         \$10.00         0.00%         \$315,478.37         \$323,315.07         \$7,836.70         2.48%           3,888,000         60%         13,500.0         \$167,279.40         \$175,116.10         \$7,836.70         4.68%         \$140,505.45         \$0.00         0.00%         \$315,478.37         \$323,315.07         \$7,836.70         2.48%           5,832,000         50% <td< td=""><td>2 304 000</td><td>60%</td><td>4 000 0</td><td>\$58 703 36</td><td>\$61 352 28</td><td>\$2.558.02</td><td>4 35%</td><td>\$02.380.74</td><td>\$02.380.74</td><td>90.00</td><td>0.00%</td><td>\$151 174 10</td><td>\$153 733 02</td><td>\$2.558.02</td><td>1 60%</td></td<>	2 304 000	60%	4 000 0	\$58 703 36	\$61 352 28	\$2.558.02	4 35%	\$02.380.74	\$02.380.74	90.00	0.00%	\$151 174 10	\$153 733 02	\$2.558.02	1 60%
2,304,000         40%         4,000.0         \$58,793.36         \$61,352.28         \$2,558.92         4.35%         \$83,262.49         \$80.00         0.00%         \$142,055.85         \$144,614.77         \$2,558.92         1.80%           3,888,000         60%         13,500.0         \$167,279.40         \$175,116.10         \$7,836.70         4.68%         \$155,892.50         \$10,000.0%         \$323,171.90         \$331,008.60         \$7,836.70         2.42%           3,888,000         50%         13,500.0         \$167,279.40         \$175,116.10         \$7,836.70         4.68%         \$148,198.97         \$0.00         0.00%         \$315,478.37         \$323,315.07         \$7,836.70         2.48%           3,888,000         40%         13,500.0         \$167,279.40         \$175,116.10         \$7,836.70         4.68%         \$140,505.45         \$0.00         0.00%         \$315,478.37         \$323,315.07         \$7,836.70         2.48%           3,888,000         40%         13,500.0         \$180,854.34         \$188,691.04         \$7,836.70         4.33%         \$233,838.75         \$20,00         0.00%         \$414,693.09         \$422,529.79         \$7,836.70         1.89%           5,832,000         50%         13,500.0         \$180,854.34         \$188,691.04			,	,		. ,		. , ,				,	,		
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3,888,000 50% 13,500.0 \$167,279.40 \$175,116.10 \$7,836.70 4.68% \$148,198.97 \$148,198.97 \$148,198.97 \$0.00 0.00% \$315,478.37 \$323,315.07 \$7,836.70 2.48% \$188,000 40% 13,500.0 \$167,279.40 \$175,116.10 \$7,836.70 4.68% \$140,505.45 \$140,505.45 \$0.00 0.00% \$307,784.85 \$315,621.55 \$7,836.70 2.55% \$180,854.34 \$188,691.04 \$7,836.70 4.33% \$223,3838.75 \$233,838.75 \$0.00 0.00% \$414,693.09 \$422,529.79 \$7,836.70 1.89% \$180,854.34 \$188,691.04 \$7,836.70 4.33% \$222,298.46 \$0.00 0.00% \$443,152.80 \$410,989.50 \$7,836.70 1.94% \$180,854.34 \$188,691.04 \$7,836.70 4.33% \$210,758.17 \$0.00 0.00% \$391,612.51 \$399,449.21 \$7,836.70 2.00% \$177,760.00 \$0.00 \$13,500.0 \$194,429.28 \$202,265.98 \$7,836.70 4.03% \$296,397.94 \$296,397.94 \$0.00 0.00% \$490,827.22 \$488,63.92 \$7,836.70 1.55% \$17,760.00 \$0.00 \$0.00 \$13,500.0 \$194,429.28 \$202,265.98 \$7,836.70 4.03% \$296,397.94 \$0.00 0.00% \$490,827.22 \$498,663.92 \$7,836.70 1.60% \$194,429.28 \$14,429.28 \$14,429.28 \$14,429.28 \$202,265.98 \$7,836.70 4.03% \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34 \$180,854.34	2,301,000	1070	1,000.0	\$50,755.50	001,552.20	Q2,550.52	1.5570	\$03,202.19	003,202.19	ψ0.00	0.0070	\$1.2,000.00	Ψ111,011.77	Q2,550.52	1.0070
3,888,000 40% 13,500.0 \$167,279.40 \$175,116.10 \$7,836.70 4.68% \$140,505.45 \$140,505.45 \$0.00 0.00% \$307,784.85 \$315,621.55 \$7,836.70 2.55% \$5,832,000 50% 13,500.0 \$180,854.34 \$188,691.04 \$7,836.70 4.33% \$223,838.75 \$233,838.75 \$0.00 0.00% \$414,693.09 \$422,529.79 \$7,836.70 1.89% \$5,832,000 40% 13,500.0 \$180,854.34 \$188,691.04 \$7,836.70 4.33% \$222,298.46 \$0.00 0.00% \$403,152.80 \$410,989.50 \$7,836.70 1.94% \$5,832,000 40% 13,500.0 \$180,854.34 \$188,691.04 \$7,836.70 4.33% \$210,758.17 \$210,758.17 \$0.00 0.00% \$391,612.51 \$399,449.21 \$7,836.70 2.00% \$7,776,000 50% 13,500.0 \$194,429.28 \$202,265.98 \$7,836.70 4.03% \$296,397.94 \$296,397.94 \$0.00 0.00% \$490,827.22 \$498,663.92 \$7,836.70 1.60%	3,888,000	60%	13,500.0	\$167,279.40	\$175,116.10	\$7,836.70	4.68%	\$155,892.50	\$155,892.50	\$0.00	0.00%	\$323,171.90	\$331,008.60		2.42%
5,832,000 60% 13,500.0 50% 13,500.0 50% 13,500.0 5180,854.34 \$188,691.04 \$7,836.70 4.33% 5232,298.46 \$0.00 0.00% \$414,693.09 \$422,529.79 \$7,836.70 1.89% 5,832,000 40% 13,500.0 5180,854.34 \$188,691.04 \$7,836.70 4.33% 5222,298.46 \$0.00 0.00% \$403,152.80 \$410,989.50 \$7,836.70 1.94% 5,832,000 40% 13,500.0 5180,854.34 \$188,691.04 \$7,836.70 4.33% 5210,758.17 \$0.00 0.00% 5391,612.51 \$399,449.21 \$7,836.70 2.00% 7,776,000 50% 13,500.0 50% 13,500.0 5194,429.28 \$202,265.98 \$7,836.70 4.03% 5296,397.94 \$296,397.94 \$0.00 0.00% \$490,827.22 \$498,663.92 \$7,836.70 1.65% 5296,397.94 \$296,397.94 \$0.00 0.00% 5490,827.22 \$498,663.92 \$7,836.70 1.66%	3,888,000	50%	13,500.0	\$167,279.40	\$175,116.10	\$7,836.70	4.68%	\$148,198.97	\$148,198.97	\$0.00	0.00%	\$315,478.37	\$323,315.07	\$7,836.70	2.48%
5,832,000     50%     13,500.0     \$180,854.34     \$188,691.04     \$7,836.70     4.33%     \$222,298.46     \$202,298.46     \$0.00     0.00%     \$403,152.80     \$410,989.50     \$7,836.70     1.94%       5,832,000     40%     13,500.0     \$180,854.34     \$188,691.04     \$7,836.70     4.33%     \$210,758.17     \$210,758.17     \$0.00     0.00%     \$391,612.51     \$399,449.21     \$7,836.70     2.00%       7,776,000     60%     13,500.0     \$194,429.28     \$202,265.98     \$7,836.70     4.03%     \$311,785.00     \$311,785.00     \$0.00     0.00%     \$506,214.28     \$514,050.98     \$7,836.70     1.55%       7,776,000     50%     13,500.0     \$194,429.28     \$202,265.98     \$7,836.70     4.03%     \$296,397.94     \$296,397.94     \$0.00     0.00%     \$490,827.22     \$48,663.92     \$7,836.70     1.60%	3,888,000	40%	13,500.0	\$167,279.40	\$175,116.10	\$7,836.70	4.68%	\$140,505.45	\$140,505.45	\$0.00	0.00%	\$307,784.85	\$315,621.55	\$7,836.70	2.55%
5,832,000     50%     13,500.0     \$180,854.34     \$188,691.04     \$7,836.70     4.33%     \$222,298.46     \$202,298.46     \$0.00     0.00%     \$403,152.80     \$410,989.50     \$7,836.70     1.94%       5,832,000     40%     13,500.0     \$180,854.34     \$188,691.04     \$7,836.70     4.33%     \$210,758.17     \$210,758.17     \$0.00     0.00%     \$391,612.51     \$399,449.21     \$7,836.70     2.00%       7,776,000     60%     13,500.0     \$194,429.28     \$202,265.98     \$7,836.70     4.03%     \$311,785.00     \$311,785.00     \$0.00     0.00%     \$506,214.28     \$514,050.98     \$7,836.70     1.55%       7,776,000     50%     13,500.0     \$194,429.28     \$202,265.98     \$7,836.70     4.03%     \$296,397.94     \$296,397.94     \$0.00     0.00%     \$490,827.22     \$48,663.92     \$7,836.70     1.60%	5.832.000	60%	13.500.0	\$180.854 34	\$188,691.04	\$7.836.70	4.33%	\$233.838.75	\$233.838.75	\$0.00	0.00%	\$414.693.09	\$422,529,79	\$7.836.70	1.89%
5,832,000     40%     13,500.0     \$180,854.34     \$188,691.04     \$7,836.70     4.33%     \$210,758.17     \$210,758.17     \$20.00     0.00%     \$391,612.51     \$399,449.21     \$7,836.70     2.00%       7,776,000     60%     13,500.0     \$194,429.28     \$202,265.98     \$7,836.70     4.03%     \$311,785.00     \$311,785.00     \$0.00     0.00%     \$506,214.28     \$514,050.98     \$7,836.70     1.55%       7,776,000     50%     13,500.0     \$194,429.28     \$202,265.98     \$7,836.70     4.03%     \$296,397.94     \$296,397.94     \$0.00     0.00%     \$490,827.22     \$498,663.92     \$7,836.70     1.60%															
7,776,000 50% 13,500.0 \$194,429.28 \$202,265.98 \$7,836.70 4.03% \$296,397.94 \$296,397.94 \$0.00 0.00% \$490,827.22 \$498,663.92 \$7,836.70 1.60%															2.00%
7,776,000 50% 13,500.0 \$194,429.28 \$202,265.98 \$7,836.70 4.03% \$296,397.94 \$296,397.94 \$0.00 0.00% \$490,827.22 \$498,663.92 \$7,836.70 1.60%	7 776 000	60%	13 500 0	\$104.420.29	\$202 265 09	\$7.836.70	4.03%	\$311 785 00	\$311 785 00	\$0.00	0.00%	\$506.214.29	\$514.050.09	\$7.836.70	1 550/
	7,776,000	40%	13,500.0	\$194,429.28	\$202,265.98	\$7,836.70	4.03%	\$281,010.89	\$281,010.89	\$0.00	0.00%	\$475,440.17	\$483,276.87	\$7,836.70	1.65%

Current			Proposed		
Customer Charge		\$1,666.67	Customer Charge		\$2,000.00
T&D Demand Charge	kW x	\$10.11	T&D Demand Charge	kW x	\$10.66
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212	Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge On Peak	kWh x	\$0.04280	Commodity Energy Charge On Peak	kWh x	\$0.04280
Commodity Energy Charge Off Peak	kWh x	\$0.02321	Commodity Energy Charge Off Peak	kWh x	\$0.02321
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408	CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
Merchant Function Charge	kWh x	\$0.00065	Merchant Function Charge	kWh x	\$0.00065
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GRT. Commodity includes the Commodity Energy charge, Merchant Function Charge. CES Supply Charge and Commodity GRT.

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (SUBTRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

				Delivery	ı			Commo	dity		Total			
kWh Usage Or	n-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	\$16,133.58	\$16,842.17	\$708.59	4.39%	\$28,367.16	\$28,367.16	\$0.00	0.00%	\$44,500.74	\$45,209.33	\$708.59	1.59%
720,000	50%	2,500.0	\$16,133.58	\$16,842.17	\$708.59	4.39%	\$26,989.71	\$26,989.71	\$0.00	0.00%	\$43,123.29	\$43,831.88	\$708.59	1.64%
720,000	40%	2,500.0	\$16,133.58	\$16,842.17	\$708.59	4.39%	\$25,612.25	\$25,612.25	\$0.00	0.00%	\$41,745.83	\$42,454.42	\$708.59	1.70%
1,080,000	60%	2,500.0	\$18,647.46	\$19,356.05	\$708.59	3.80%	\$42,550.74	\$42,550.74	\$0.00	0.00%	\$61,198.20	\$61,906.79	\$708.59	1.16%
1,080,000	50%	2,500.0	\$18,647.46	\$19,356.05	\$708.59	3.80%	\$40,484.56	\$40,484.56	\$0.00	0.00%	\$59,132.02	\$59,840.61	\$708.59	1.20%
1,080,000	40%	2,500.0	\$18,647.46	\$19,356.05	\$708.59	3.80%	\$38,418.38	\$38,418.38	\$0.00	0.00%	\$57,065.84	\$57,774.43	\$708.59	1.24%
1,440,000	60%	2,500.0	\$21,161.34	\$21,869.92	\$708.59	3.35%	\$56,734.33	\$56,734.33	\$0.00	0.00%	\$77,895.67	\$78,604.25	\$708.59	0.91%
1,440,000	50%	2,500.0	\$21,161.34	\$21,869.92	\$708.59	3.35%	\$53,979.42	\$53,979.42	\$0.00	0.00%	\$75,140.76	\$75,849.34	\$708.59	0.94%
1,440,000	40%	2,500.0	\$21,161.34	\$21,869.92	\$708.59	3.35%	\$51,224.51	\$51,224.51	\$0.00	0.00%	\$72,385.85	\$73,094.43	\$708.59	0.98%
1,440,000	4070	2,500.0	Ψ21,101.54	\$21,007.72	\$700.57	3.3370	ψ51,224.51	\$51,224.51	φ0.00	0.0070	\$72,363.63	\$15,074.45	\$700.57	0.7070
1,008,000	60%	3,500.0	\$21,743.38	\$22,596.41	\$853.03	3.92%	\$39,714.03	\$39,714.03	\$0.00	0.00%	\$61,457.41	\$62,310.44	\$853.03	1.39%
1,008,000	50%	3,500.0	\$21,743.38	\$22,596.41	\$853.03	3.92%	\$37,785.59	\$37,785.59	\$0.00	0.00%	\$59,528.97	\$60,382.00	\$853.03	1.43%
1,008,000	40%	3,500.0	\$21,743.38	\$22,596.41	\$853.03	3.92%	\$35,857.16	\$35,857.16	\$0.00	0.00%	\$57,600.54	\$58,453.57	\$853.03	1.48%
1,512,000	60%	3,500.0	\$25,262.81	\$26,115.84	\$853.03	3.38%	\$59,571.04	\$59,571.04	\$0.00	0.00%	\$84,833.85	\$85,686.88	\$853.03	1.01%
1,512,000	50%	3,500.0	\$25,262.81	\$26,115.84	\$853.03	3.38%	\$56,678.39	\$56,678.39	\$0.00	0.00%	\$81,941.20	\$82,794.23	\$853.03	1.04%
1,512,000	40%	3,500.0	\$25,262.81	\$26,115.84	\$853.03	3.38%	\$53,785.73	\$53,785.73	\$0.00	0.00%	\$79,048.54	\$79,901.57	\$853.03	1.08%
2,016,000	60%	3,500.0	\$28,782.24	\$29,635.27	\$853.03	2.96%	\$79,428.06	\$79,428.06	\$0.00	0.00%	\$108,210.30	\$109,063.33	\$853.03	0.79%
2,016,000	50%	3,500.0	\$28,782.24	\$29,635.27	\$853.03	2.96%	\$75,571.18	\$75,571.18	\$0.00	0.00%	\$104,353.42	\$105,206.45	\$853.03	0.82%
2,016,000	40%	3,500.0	\$28,782.24	\$29,635.27	\$853.03	2.96%	\$71,714.31	\$71,714.31	\$0.00	0.00%	\$100,496.55	\$101,349.58	\$853.03	0.85%
1,152,000	60%	4,000.0	\$24,548.28	\$25,473.53	\$925.25	3.77%	\$45,387.46	\$45,387.46	\$0.00	0.00%	\$69,935.74	\$70,860.99	\$925.25	1.32%
1,152,000	50%	4,000.0	\$24,548.28	\$25,473.53	\$925.25	3.77%	\$43,183.53	\$43,183.53	\$0.00	0.00%	\$67,731.81	\$68,657.06	\$925.25	1.37%
1,152,000	40%	4,000.0	\$24,548.28	\$25,473.53	\$925.25	3.77%	\$40,979.61	\$40,979.61	\$0.00	0.00%	\$65,527.89	\$66,453.14	\$925.25	1.41%
2,000,000	60%	4,000.0	\$30,469.86	\$31,395.11	\$925.25	3.04%	\$78,797.68	\$78,797.68	\$0.00	0.00%	\$109,267.54	\$110,192.79	\$925.25	0.85%
2,000,000	50%	4,000.0	\$30,469.86	\$31,395.11	\$925.25	3.04%	\$74,971.41	\$74,971.41	\$0.00	0.00%	\$105,441.27	\$106,366.52	\$925.25	0.88%
2,000,000	40%	4,000.0	\$30,469.86	\$31,395.11	\$925.25	3.04%	\$71,145.15	\$71,145.15	\$0.00	0.00%	\$101,615.01	\$102,540.26	\$925.25	0.91%
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2,304,000	60%	4,000.0	\$32,592.69	\$33,517.94	\$925.25	2.84%	\$90,774.92	\$90,774.92	\$0.00	0.00%	\$123,367.61	\$124,292.86	\$925.25	0.75%
2,304,000	50%	4,000.0	\$32,592.69	\$33,517.94	\$925.25	2.84%	\$86,367.07	\$86,367.07	\$0.00	0.00%	\$118,959.76	\$119,885.01	\$925.25	0.78%
2,304,000	40%	4,000.0	\$32,592.69	\$33,517.94	\$925.25	2.84%	\$81,959.21	\$81,959.21	\$0.00	0.00%	\$114,551.90	\$115,477.15	\$925.25	0.81%
3,888,000	60%	13,500.0	\$77,841.35	\$80,138.83	\$2,297.47	2.95%	\$153,182.68	\$153,182.68	\$0.00	0.00%	\$231,024.03	\$233,321.51	\$2,297.47	0.99%
3,888,000	50%	13,500.0	\$77,841.35	\$80,138.83	\$2,297.47	2.95%	\$145,744.43	\$145,744.43	\$0.00	0.00%	\$223,585.78	\$225,883.26	\$2,297.47	1.03%
3,888,000	40%	13,500.0	\$77,841.35	\$80,138.83	\$2,297.47	2.95%	\$138,306.17	\$138,306.17	\$0.00	0.00%	\$216,147.52	\$218,445.00	\$2,297.47	1.06%
5,832,000	60%	13,500.0	\$91,416.29	\$93,713.76	\$2,297.47	2.51%	\$229,774.02	\$229,774.02	\$0.00	0.00%	\$321,190.31	\$323,487.78	\$2,297.47	0.72%
5,832,000	50%	13,500.0	\$91,416.29	\$93,713.76	\$2,297.47	2.51%	\$218,616.64	\$218,616.64	\$0.00	0.00%	\$310,032.93	\$312,330.40	\$2,297.47	0.74%
5,832,000	40%	13,500.0	\$91,416.29	\$93,713.76	\$2,297.47	2.51%	\$218,010.04	\$207,459.26	\$0.00	0.00%	\$298,875.55	\$301,173.02	\$2,297.47	0.74%
2,032,000	40/0	13,500.0	\$71,710.27	475,715.70	ψ=,±/1.π1	2.5170	\$201,737.20	\$201,737.20	ψ0.00	0.0070	\$270,073.33	\$301,173.02	Ψ±,±/1.¬1	0.7770
7,776,000	60%	13,500.0	\$104,991.23	\$107,288.70	\$2,297.47	2.19%	\$306,365.36	\$306,365.36	\$0.00	0.00%	\$411,356.59	\$413,654.06	\$2,297.47	0.56%
7,776,000	50%	13,500.0	\$104,991.23	\$107,288.70	\$2,297.47	2.19%	\$291,488.85	\$291,488.85	\$0.00	0.00%	\$396,480.08	\$398,777.55	\$2,297.47	0.58%
7,776,000	40%	13,500.0	\$104,991.23	\$107,288.70	\$2,297.47	2.19%	\$276,612.34	\$276,612.34	\$0.00	0.00%	\$381,603.57	\$383,901.04	\$2,297.47	0.60%

Current			Proposed		
Customer Charge		\$2,088.00	Customer Charge		\$2,432.00
T&D Demand Charge	kW x	\$3.52	T&D Demand Charge	kW x	\$3.66
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212	Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge On Peak	kWh x	\$0.04185	Commodity Energy Charge On Peak	kWh x	\$0.04185
Commodity Energy Charge Off Peak	kWh x	\$0.02291	Commodity Energy Charge Off Peak	kWh x	\$0.02291
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CES/EES)	kWh x	\$0.005701	Systems Benefits Charge (CES/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408	CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00065	Merchant Function Charge	kWh x	0.00065
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GRT. Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge, and Commodity GRT.

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (TRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

				Deliver	У			Commo	dity			Total		
kWh Usage O	n-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	\$18,078.03	\$18,681.06	\$603.03	3.34%	\$27,476.98	\$27,476.98	\$0.00	0.00%	\$45,555.01	\$46,158.04	\$603.03	1.32%
720,000	50%	2,500.0	\$18,078.03	\$18,681.06	\$603.03	3.34%	\$26,178.80	\$26,178.80	\$0.00	0.00%	\$44,256.83	\$44,859.86	\$603.03	1.36%
720,000	40%	2,500.0	\$18,078.03	\$18,681.06	\$603.03	3.34%	\$24,880.62	\$24,880.62	\$0.00	0.00%	\$42,958.65	\$43,561.68	\$603.03	1.40%
1,080,000	60%	2,500.0	\$20,591.91	\$21,194.94	\$603.03	2.93%	\$41,215.47	\$41,215.47	\$0.00	0.00%	\$61,807.38	\$62,410.41	\$603.03	0.98%
1,080,000	50%	2,500.0	\$20,591.91	\$21,194.94	\$603.03	2.93%	\$39,268.20	\$39,268.20	\$0.00	0.00%	\$59,860.11	\$60,463.14	\$603.03	1.01%
1,080,000	40%	2,500.0	\$20,591.91	\$21,194.94	\$603.03	2.93%	\$37,320.93	\$37,320.93	\$0.00	0.00%	\$57,912.84	\$58,515.87	\$603.03	1.04%
1,440,000	60%	2,500.0	\$23,105.78	\$23,708.81	\$603.03	2.61%	\$54,953.96	\$54,953.96	\$0.00	0.00%	\$78,059.74	\$78,662.77	\$603.03	0.77%
1,440,000	50%	2,500.0	\$23,105.78	\$23,708.81	\$603.03	2.61%	\$52,357.60	\$52,357.60	\$0.00	0.00%	\$75,463.38	\$76,066.41	\$603.03	0.80%
1,440,000	40%	2,500.0	\$23,105.78	\$23,708.81	\$603.03	2.61%	\$49,761.24	\$49,761.24	\$0.00	0.00%	\$72,867.02	\$73,470.05	\$603.03	0.83%
1,008,000	60%	3,500.0	\$23,485.81	\$24,125.20	\$639.39	2.72%	\$38,467.77	\$38,467.77	\$0.00	0.00%	\$61,953.58	\$62,592.97	\$639.39	1.03%
1,008,000	50%	3,500.0	\$23,485.81	\$24,125.20	\$639.39	2.72%	\$36,650.32	\$36,650.32	\$0.00	0.00%	\$60,136.13	\$60,775.52	\$639.39	1.06%
1,008,000	40%	3,500.0	\$23,485.81	\$24,125.20	\$639.39	2.72%	\$34,832.86	\$34,832.86	\$0.00	0.00%	\$58,318.67	\$58,958.06	\$639.39	1.10%
1,512,000	60%	3,500.0	\$27,005.23	\$27,644.63	\$639.39	2.37%	\$57,701.66	\$57,701.66	\$0.00	0.00%	\$84,706.89	\$85,346.29	\$639.39	0.75%
1,512,000	50%	3,500.0	\$27,005.23	\$27,644.63	\$639.39	2.37%	\$54,975.48	\$54,975.48	\$0.00	0.00%	\$81,980.71	\$82,620.11	\$639.39	0.78%
1,512,000	40%	3,500.0	\$27,005.23	\$27,644.63	\$639.39	2.37%	\$52,249.30	\$52,249.30	\$0.00	0.00%	\$79,254.53	\$79,893.93	\$639.39	0.81%
2,016,000	60%	3,500.0	\$30,524.66	\$31,164.06	\$639.39	2.09%	\$76.935.55	\$76,935.55	\$0.00	0.00%	\$107,460,21	\$108,099.61	\$639.39	0.60%
2,016,000	50%	3,500.0	\$30,524.66	\$31,164.06	\$639.39	2.09%	\$73,300.64	\$73,300.64	\$0.00	0.00%	\$103,825.30	\$104,464.70	\$639.39	0.62%
2,016,000	40%	3,500.0	\$30,524.66	\$31,164.06	\$639.39	2.09%	\$69,665.73	\$69,665.73	\$0.00	0.00%	\$100,190.39	\$100,829.79	\$639.39	0.64%
1,152,000	60%	4,000.0	\$26,189.69	\$26,847.27	\$657.58	2.51%	\$43,963.17	\$43,963.17	\$0.00	0.00%	\$70,152.86	\$70,810.44	\$657.58	0.94%
1,152,000	50%	4,000.0	\$26,189.69	\$26,847.27	\$657.58	2.51%	\$41.886.08	\$41,886.08	\$0.00	0.00%	\$68,075.77	\$68,733.35	\$657.58	0.97%
1,152,000	40%	4,000.0	\$26,189.69	\$26,847.27	\$657.58	2.51%	\$39,808.99	\$39,808.99	\$0.00	0.00%	\$65,998.68	\$66,656.26	\$657.58	1.00%
1,728,000	60%	4,000.0	\$30,211.90	\$30,869.47	\$657.58	2.18%	\$65,944.76	\$65,944.76	\$0.00	0.00%	\$96,156.66	\$96,814.23	\$657.58	0.68%
1,728,000	50%	4,000.0	\$30,211.90	\$30,869.47	\$657.58	2.18%	\$62,829.12	\$62,829.12	\$0.00	0.00%	\$93,041.02	\$93,698.59	\$657.58	0.71%
1,728,000	40%	4,000.0	\$30,211.90	\$30,869.47	\$657.58	2.18%	\$59,713.48	\$59,713.48	\$0.00	0.00%	\$89,925.38	\$90,582.95	\$657.58	0.73%
2,304,000	60%	4,000.0	\$34,234.10	\$34.891.68	\$657.58	1.92%	\$87,926.34	\$87,926.34	\$0.00	0.00%	\$122,160,44	\$122,818.02	\$657.58	0.54%
2,304,000	50%	4,000.0	\$34,234.10	\$34,891.68	\$657.58	1.92%	\$83,772.16	\$83,772.16	\$0.00	0.00%	\$118,006.26	\$118,663.84	\$657.58	0.56%
2,304,000	40%	4,000.0	\$34,234.10	\$34,891.68	\$657.58	1.92%	\$79,617.98	\$79,617.98	\$0.00	0.00%	\$113,852.08	\$114,509.66	\$657.58	0.58%
3,888,000	60%	11,500.0	\$70,770.22	\$71,700.53	\$930.30	1.31%	\$148,375.70	\$148,375.70	\$0.00	0.00%	\$219,145.92	\$220,076.23	\$930.30	0.42%
3,888,000	50%	11,500.0	\$70,770.22	\$71,700.53	\$930.30	1.31%	\$141,365.52	\$141,365.52	\$0.00	0.00%	\$212,135.74	\$213,066.05	\$930.30	0.44%
3,888,000	40%	11,500.0	\$70,770.22	\$71,700.53	\$930.30	1.31%	\$134,355.34	\$134,355.34	\$0.00	0.00%	\$205,125.56	\$206,055.87	\$930.30	0.45%
6,300,000	60%	12,000.0	\$89,311.54	\$90,260.02	\$948.48	1.06%	\$240,423.59	\$240,423.59	\$0.00	0.00%	\$329,735.13	\$330,683.61	\$948.48	0.29%
6,300,000	50%	12,000.0	\$89,311.54	\$90,260.02	\$948.48	1.06%	\$229,064.50	\$229,064.50	\$0.00	0.00%	\$318,376.04	\$319,324.52	\$948.48	0.30%
6,300,000	40%	12,000.0	\$89,311.54	\$90,260.02	\$948.48	1.06%	\$217,705.41	\$217,705.41	\$0.00	0.00%	\$307,016.95	\$307,965.43	\$948.48	0.31%
7,776,000	60%	13,500.0	\$104,713.45	\$105,716.48	\$1.003.03	0.96%	\$296,751.40	\$296,751.40	\$0.00	0.00%	\$401.464.85	\$402,467.88	\$1.003.03	0.25%
7,776,000	50%	13,500.0	\$104,713.45	\$105,716.48	\$1,003.03	0.96%	\$282,731.04	\$282,731.04	\$0.00	0.00%	\$387,444.49	\$388,447.52	\$1,003.03	0.25%
7,776,000	40%	13,500.0	\$104,713.45	\$105,716.48	\$1,003.03	0.96%	\$268,710.67	\$268,710.67	\$0.00	0.00%	\$373,424.12	\$374,427.15	\$1,003.03	0.27%

Current			Proposed		
Customer Charge		\$4,513.00	Customer Charge		\$5,020.00
T&D Demand Charge	kW x	\$3.32	T&D Demand Charge	kW x	\$3.36
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212	Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge On Peak	kWh x	\$0.04019	Commodity Energy Charge On Peak	kWh x	\$0.04019
Commodity Energy Charge Off Peak	kWh x	\$0.02234	Commodity Energy Charge Off Peak	kWh x	\$0.02234
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408	CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00065	Merchant Function Charge	kWh x	0.00065
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.99	Commodity	Bill /	0.99
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Charge and Delivery GRT. Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GRT.

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC2-SMALL GENERAL SERVICE (METERED DEMAND) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY19 - Rate Year 1 vs. Curren

			Deliv	ery			Comm	nodity			Total		
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
1,008	7.0	\$131.62	\$134.57	\$2.95	2.24%	\$39.63	\$39.72	\$0.09	0.23%	\$171.25	\$174.29	\$3.04	1.78%
1,512	7.0	\$134.44	\$137.66	\$3.22	2.40%	\$59.44	\$59.58	\$0.14	0.24%	\$193.88	\$197.24	\$3.36	1.73%
2,016	7.0	\$137.27	\$140.76	\$3.49	2.54%	\$79.25	\$79.44	\$0.19	0.24%	\$216.52	\$220.20	\$3.68	1.70%
2,520	7.0	\$140.09	\$143.85	\$3.76	2.68%	\$99.06	\$99.30	\$0.24	0.24%	\$239.15	\$243.15	\$4.00	1.67%
2,160	15.0	\$221.41	\$227.72	\$6.31	2.85%	\$84.91	\$85.11	\$0.20	0.24%	\$306.32	\$312.83	\$6.51	2.13%
3,240	15.0	\$227.46	\$234.36	\$6.90	3.03%	\$127.37	\$127.67	\$0.30	0.24%	\$354.83	\$362.03	\$7.20	2.03%
4,320	15.0	\$233.52	\$240.99	\$7.47	3.20%	\$169.82	\$170.22	\$0.40	0.24%	\$403.34	\$411.21	\$7.87	1.95%
5,400	15.0	\$239.57	\$247.63	\$8.06	3.36%	\$212.28	\$212.78	\$0.50	0.24%	\$451.85	\$460.41	\$8.56	1.89%
2,100	15.0	0237.37	Ψ2 17.03	ψο.σο	3.3070	\$212.20	Ψ212.70	ψ0.50	0.2170	0.01.00	\$100.11	\$0.50	1.0770
3,600	25.0	\$333.65	\$344.17	\$10.52	3.15%	\$141.52	\$141.85	\$0.33	0.23%	\$475.17	\$486.02	\$10.85	2.28%
5,400	25.0	\$343.74	\$355.23	\$11.49	3.34%	\$212.28	\$212.78	\$0.50	0.24%	\$556.02	\$568.01	\$11.99	2.16%
7,000	25.0	\$352.71	\$365.06	\$12.35	3.50%	\$275.17	\$275.82	\$0.65	0.24%	\$627.88	\$640.88	\$13.00	2.07%
9,000	25.0	\$363.92	\$377.35	\$13.43	3.69%	\$353.80	\$354.63	\$0.83	0.23%	\$717.72	\$731.98	\$14.26	1.99%
5,760	40.0	\$502.01	\$518.85	\$16.84	3.35%	\$226.43	\$226.96	\$0.53	0.23%	\$728.44	\$745.81	\$17.37	2.38%
8,640	40.0	\$518.15	\$536.54	\$18.39	3.55%	\$339.64	\$340.45	\$0.81	0.24%	\$857.79	\$876.99	\$19.20	2.24%
11,520	40.0	\$534.29	\$554.23	\$19.94	3.73%	\$452.86	\$453.93	\$1.07	0.24%	\$987.15	\$1,008.16	\$21.01	2.13%
14,400	40.0	\$550.43	\$571.93	\$21.50	3.91%	\$566.07	\$567.41	\$1.34	0.24%	\$1,116.50	\$1,139.34	\$22.84	2.05%
8,640	60.0	\$726.49	\$751.75	\$25.26	3.48%	\$339.64	\$340.45	\$0.81	0.24%	\$1.066.13	\$1.092.20	\$26.07	2.45%
12,960	60.0	\$750.70	\$778.29	\$23.20	3.68%	\$509.47	\$510.67	\$1.20	0.24%	\$1,000.13	\$1,288.96	\$28.79	2.43%
17,280	60.0	\$730.70 \$774.91	\$804.83	\$27.39 \$29.92	3.86%	\$679.29	\$680.89	\$1.20	0.24%	\$1,260.17	\$1,485.72	\$31.52	2.28%
21,600	60.0	\$799.13	\$831.36	\$32.23	4.03%	\$849.11	\$851.12	\$2.01	0.24%	\$1,434.20	\$1,682.48	\$34.24	2.08%
21,000	00.0	\$799.13	\$631.30	\$32.23	4.0370	3049.11	\$631.12	\$2.01	0.2470	\$1,046.24	\$1,062.46	\$34.24	2.0676
11,520	80.0	\$950.97	\$984.65	\$33.68	3.54%	\$452.86	\$453.93	\$1.07	0.24%	\$1,403.83	\$1,438.58	\$34.75	2.48%
17,280	80.0	\$983.25	\$1,020.03	\$36.78	3.74%	\$679.29	\$680.89	\$1.60	0.24%	\$1,662.54	\$1,700.92	\$38.38	2.31%
23,040	80.0	\$1,015.54	\$1,055.42	\$39.88	3.93%	\$905.72	\$907.86	\$2.14	0.24%	\$1,921.26	\$1,963.28	\$42.02	2.19%
28,800	80.0	\$1,047.82	\$1,090.80	\$42.98	4.10%	\$1,132.15	\$1,134.82	\$2.67	0.24%	\$2,179.97	\$2,225.62	\$45.65	2.09%
14,400	100.0	\$1,175.45	\$1,217.55	\$42.10	3.58%	\$566.07	\$567.41	\$1.34	0.24%	\$1,741.52	\$1,784.96	\$43.44	2.49%
21,600	100.0	\$1,215.80	\$1,261.78	\$45.98	3.78%	\$849.11	\$851.12	\$2.01	0.24%	\$2,064.91	\$2,112.90	\$47.99	2.32%
28,800	100.0	\$1,256.16	\$1,306.01	\$49.85	3.97%	\$1,132.15	\$1,134.82	\$2.67	0.24%	\$2,388.31	\$2,440.83	\$52.52	2.20%
36.000	100.0	\$1.296.51	\$1,350,24	\$53.73	4.14%	\$1.415.18	\$1.418.53	\$3.35	0.24%	\$2,711.69	\$2,768.77	\$57.08	2.10%

Current			<u>Proposed</u>	
Customer Charge		52.52	Customer Charge	52.52
T&D Demand Charge	kW x	\$10.27	T&D Demand Charge kV	/ x \$10.61
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism kV	/ x \$0.00
Legacy Transition Charge	kWh x	\$0.001162	Legacy Transition Charge kW	h x \$0.001162
Commodity Energy Charge	kWh x	\$0.03511	Commodity Energy Charge kW	h x \$0.03511
Transmission Revenue Adjustment Charge	kWh x	(\$0.00312)	Transmission Revenue Adjustment Charge kW	h x (\$0.00078)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007511	Systems Benefits Charge (CEF/EES) kW	h x \$0.005701
			NYPA ETIP Credit	kW x \$0.00
Merchant Function Charge	kWh x	\$0.00051	Merchant Function Charge kW	h x \$0.00060
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge kV	/ x \$0.00
DLM Surcharge	kW x	\$0.04	DLM Surcharge kV	/ x \$0.04
CES Supply Charge	kWh x	\$0.00330	CES Supply Charge kW	h x \$0.00330
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge kW	h x \$0.00000
Gross Receipts Tax			Gross Receipts Tax	
Commodity	Bill /	0.9900	Commodity Bi	11/ 0.9900
Delivery	Bill /	0.9900	Delivery Bi	11/ 0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GI Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (SECONDARY) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY19 - Rate Year 1 vs. Curren

			Delivery					Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change		Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	
28,800	100.0	\$1,457.22	\$1,543.34	\$86.12	5.91%		\$1,124.58	\$1,127.26	\$2.68	0.24%	\$2,581.80	\$2,670.60	\$88.80	3.44%	
36,000	100.0	\$1,501.47	\$1,588.32	\$86.85	5.78%		\$1,405.73	\$1,409.07	\$3.34	0.24%	\$2,907.20	\$2,997.39	\$90.19	3.10%	
43,200	100.0	\$1,545.72	\$1,633.30	\$87.58	5.67%		\$1,686.87	\$1,690.89	\$4.02	0.24%	\$3,232.59	\$3,324.19	\$91.60	2.83%	
57,600	100.0	\$1,634.22	\$1,723.26	\$89.04	5.45%		\$2,249.16	\$2,254.52	\$5.36	0.24%	\$3,883.38	\$3,977.78	\$94.40	2.43%	
57,600	200.0	\$2,651.66	\$2,758.40	\$106.73	4.03%		\$2,249.16	\$2,254.52	\$5.36	0.24%	\$4,900.82	\$5,012.92	\$112.09	2.29%	
72,000	200.0	\$2,740.16	\$2,848.36	\$108.19	3.95%		\$2,811.45	\$2,818.15	\$6.70	0.24%	\$5,551.61	\$5,666.51	\$114.89	2.07%	
86,400	200.0	\$2,828.66	\$2,938.32	\$109.65	3.88%		\$3,373.75	\$3,381.78	\$8.03	0.24%	\$6,202.41	\$6,320.10	\$117.68	1.90%	
115,200	200.0	\$3,005.66	\$3,118.24	\$112.58	3.75%		\$4,498.33	\$4,509.04	\$10.71	0.24%	\$7,503.99	\$7,627.28	\$123.29	1.64%	
72,000	250.0	\$3,248.89	\$3,365.92	\$117.04	3.60%		\$2,811.45	\$2,818.15	\$6.70	0.24%	\$6,060.34	\$6,184.07	\$123.74	2.04%	
90,000	250.0	\$3,359.51	\$3,478.37	\$118.86	3.54%		\$3,514.32	\$3,522.68	\$8.36	0.24%	\$6,873.83	\$7,001.05	\$127.22	1.85%	
100,000	250.0	\$3,420.97	\$3,540.85	\$119.88	3.50%		\$3,904.80	\$3,914.09	\$9.29	0.24%	\$7,325.77	\$7,454.94	\$129.17	1.76%	
144,000	250.0	\$3,691.38	\$3,815.72	\$124.34	3.37%		\$5,622.91	\$5,636.29	\$13.38	0.24%	\$9,314.29	\$9,452.01	\$137.72	1.48%	
144,000	500.0	\$6,234.99	\$6,403.56	\$168.57	2.70%		\$5,622.91	\$5,636.29	\$13.38	0.24%	\$11,857.90	\$12,039.85	\$181.95	1.53%	
180,000	500.0	\$6,456.24	\$6,628.47	\$172.22	2.67%		\$7,028.64	\$7,045.37	\$16.73	0.24%	\$13,484.88	\$13,673.84	\$188.95	1.40%	
216,000	500.0	\$6,677.49	\$6,853.37	\$175.88	2.63%		\$8,434.36	\$8,454.44	\$20.08	0.24%	\$15,111.85	\$15,307.81	\$195.96	1.30%	
288,000	500.0	\$7,119.99	\$7,303.17	\$183.18	2.57%		\$11,245.82	\$11,272.59	\$26.77	0.24%	\$18,365.81	\$18,575.76	\$209.95	1.14%	
216,000	750.0	\$9,221.10	\$9,441.21	\$220.10	2.39%		\$8,434.36	\$8,454,44	\$20.08	0.24%	\$17,655.46	\$17.895.65	\$240.18	1.36%	
270,000	750.0	\$9.552.97	\$9,778.56	\$225.58	2.36%		\$10.542.95	\$10.568.05	\$25.10	0.24%	\$20,095,92	\$20,346,61	\$250.68	1.25%	
324,000	750.0	\$9,884.85	\$10,115.91	\$231.06	2.34%		\$12,651.55	\$12,681.66	\$30.11	0.24%	\$22,536.40	\$22,797.57	\$261.17	1.16%	
432,000	750.0	\$10,548.59	\$10,790.61	\$242.02	2.29%		\$16,868.73	\$16,908.88	\$40.15	0.24%	\$27,417.32	\$27,699.49	\$282.17	1.03%	
432,000	1,500.0	\$18,179.43	\$18,554.13	\$374.70	2.06%		\$16,868.73	\$16,908.88	\$40.15	0.24%	\$35,048.16	\$35,463.01	\$414.85	1.18%	
540,000	1,500.0	\$18,843.17	\$19,228.83	\$385.66	2.05%		\$21,085.91	\$21,136.10	\$50.19	0.24%	\$39,929.08	\$40,364.93	\$435.85	1.09%	
648,000	1,500.0	\$19,506.91	\$19,903.53	\$396.62	2.03%		\$25,303.09	\$25,363.32	\$60.23	0.24%	\$44,810.00	\$45,266.85	\$456.85	1.02%	
864,000	1,500.0	\$20,834.40	\$21,252.93	\$418.53	2.01%		\$33,737.45	\$33,817.77	\$80.32	0.24%	\$54,571.85	\$55,070.70	\$498.85	0.91%	
576,000	2,000.0	\$24,151.65	\$24,629.41	\$477.76	1.98%		\$22,491.64	\$22,545.18	\$53.54	0.24%	\$46,643.29	\$47,174.59	\$531.30	1.14%	
720,000	2,000.0	\$25,036.64	\$25,529.01	\$492.38	1.97%		\$28,114.55	\$28,181.47	\$66.92	0.24%	\$53,151.19	\$53,710.48	\$559.30	1.05%	
864.000	2.000.0	\$25,921.63	\$26,428.61	\$506.99	1.96%		\$33,737,45	\$33.817.77	\$80.32	0.24%	\$59,659.08	\$60,246.38	\$587.31	0.98%	
1.152.000	2.000.0	\$27,691.61	\$28.227.82	\$536.21	1 94%		\$44.983.27	\$45,090.35	\$107.08	0.24%	\$72,674.88	\$73.318.17	\$643.29	0.89%	

Current			<u>Proposed</u>		
Customer Charge		260.15	Customer Charge		325.00
T&D Demand Charge	kW x	\$10.03	T&D Demand Charge	cW x	\$10.21
Revenue Decoupling Mechanisn	kW x	\$0.00	Revenue Decoupling Mechanism	cW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162	Legacy Transition Charge k	Wh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03485	Commodity Energy Charge k	Wh x	\$0.03485
Transmission Revenue Adjustment Charge	kWh x	(\$0.00254)	Transmission Revenue Adjustment Charge k	Wh x	(\$0.00064)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007459	Systems Benefits Charge (CEF/EES) k	Wh x	\$0.005661
			NYPA ETIP Credit	kW x	(\$0.005)
Merchant Function Charge	kWh x	\$0.00051	Merchant Function Charge k	Wh x	\$0.00060
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	cW x	\$0.00
DLM	kW x	\$0.04	DLM	cW x	\$0.04
CES Supply Charge	kWh x	\$0.00330	CES Supply Charge k	Wh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge k	Wh x	\$0.00000
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GF Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (PRIMARY) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY19 - Rate Year 1 vs. Curren

			Deliver	у			Commod	dity		Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	\$1,449.61	\$1,488.20	\$38.59	2.66%	\$1,092.87	\$1,095.55	\$2.68	0.25%	\$2,542.48	\$2,583.75	\$41.27	1.62%
36,000	100.0	\$1,494.85	\$1,532.30	\$37.46	2.51%	\$1,366.09	\$1,369.44	\$3.35	0.25%	\$2,860.94	\$2,901.74	\$40.81	1.43%
43,200	100.0	\$1,540.08	\$1,576.41	\$36.32	2.36%	\$1,639.31	\$1,643.32	\$4.01	0.24%	\$3,179.39	\$3,219.73	\$40.33	1.27%
57,600	100.0	\$1,630.56	\$1,664.62	\$34.06	2.09%	\$2,185.75	\$2,191.10	\$5.35	0.24%	\$3,816.31	\$3,855.72	\$39.41	1.03%
57,600	200.0	\$2,458.11	\$2,535.29	\$77.18	3.14%	\$2,185.75	\$2,191.10	\$5.35	0.24%	\$4,643.86	\$4,726.39	\$82.53	1.78%
72,000	200.0	\$2,548.58	\$2,623.50	\$74.92	2.94%	\$2,732.18	\$2,738.87	\$6.69	0.24%	\$5,280.76	\$5,362.37	\$81.61	1.55%
86,400	200.0	\$2,639.06	\$2,711.71	\$72.65	2.75%	\$3,278.62	\$3,286.65	\$8.03	0.24%	\$5,917.68	\$5,998.36	\$80.68	1.36%
115,200	200.0	\$2,820.01	\$2,888.12	\$68.11	2.42%	\$4,371.49	\$4,382.20	\$10.71	0.24%	\$7,191.50	\$7,270.32	\$78.82	1.10%
72 000	250.0	\$2,962.35	\$3,058.83	\$96.48	3.26%	\$2,732.18	\$2,738.87	\$6.69	0.24%	\$5,694,53	\$5,797.70	\$103.17	1.81%
72,000										,			
90,000	250.0	\$3,075.45	\$3,169.09	\$93.64	3.04%	\$3,415.23	\$3,423.59	\$8.36	0.24%	\$6,490.68	\$6,592.68	\$102.00	1.57%
108,000	250.0	\$3,188.54	\$3,279.35	\$90.81	2.85%	\$4,098.27	\$4,108.31	\$10.04	0.24%	\$7,286.81	\$7,387.66	\$100.85	1.38%
144,000	250.0	\$3,414.73	\$3,499.87	\$85.14	2.49%	\$5,464.36	\$5,477.75	\$13.39	0.25%	\$8,879.09	\$8,977.62	\$98.53	1.11%
144,000	500.0	\$5,483.60	\$5,676.55	\$192.96	3.52%	\$5,464.36	\$5,477.75	\$13.39	0.25%	\$10.947.96	\$11.154.30	\$206.35	1.88%
180,000	500.0	\$5,709.79	\$5,897.08	\$187.29	3.28%	\$6.830.45	\$6.847.19	\$15.39	0.25%	\$10,947.90	\$11,134.30 \$12.744.27	\$200.33	1.63%
225,000	500.0	\$5,992.52	\$6,172.73	\$180.20	3.01%	\$8,538.07	\$8,558.98	\$20.91	0.23%	\$12,540.24	\$14,731.71	\$204.03	1.38%
288,000	500.0	\$6,388.35	\$6,558.64	\$170.28	2.67%	\$10,928.73	\$10,955.50	\$26.77	0.24%	\$17,317.08	\$17,514.14	\$197.05	1.14%
216,000	750.0	\$8,004.84	\$8.294.28	\$289.43	3.62%	\$8.196.55	\$8,216.62	\$20.07	0.24%	\$16,201.39	\$16.510.90	\$309.50	1.91%
270,000	750.0	\$8,344.12	\$8,625.06	\$280.93	3.37%	\$10.245.68	\$10.270.78	\$25.10	0.24%	\$18,589,80	\$18,895,84	\$306.03	1.65%
324.000	750.0	\$8,683,41	\$8,955.84	\$272.43	3.14%	\$12,294.82	\$12.324.93	\$30.11	0.24%	\$20,978.23	\$21.280.77	\$302.54	1.44%
432,000	750.0	\$9,361.97	\$9,617.40	\$255.43	2.73%	\$16,393.09	\$16,433.25	\$40.16	0.24%	\$25,755.06	\$26,050.65	\$295.59	1.15%
132,000	750.0	\$7,501.77	ψ>,017.10	9255.15	2.7570	\$10,373.07	010,133.23	ψ10.10	0.2170	Ψ25,755.00	φ20,050.05	02/0.0/	1.1570
432,000	1,500.0	\$15,568.57	\$16,147,44	\$578.87	3.72%	\$16.393.09	\$16,433.25	\$40.16	0.24%	\$31.961.66	\$32,580,69	\$619.03	1.94%
540,000	1.500.0	\$16.247.14	\$16,809.00	\$561.87	3.46%	\$20,491.36	\$20,541.56	\$50.20	0.24%	\$36,738.50	\$37.350.56	\$612.07	1.67%
648,000	1,500.0	\$16,925.71	\$17,470.57	\$544.86	3.22%	\$24,589,64	\$24,649.87	\$60.23	0.24%	\$41,515.35	\$42,120.44	\$605.09	1.46%
864,000	1,500.0	\$18,282.84	\$18,793.69	\$510.85	2.79%	\$32,786.18	\$32,866.49	\$80.31	0.24%	\$51,069.02	\$51,660.18	\$591.16	1.16%
		, in the second	*				-				*		
576,000	2,000.0	\$20,611.06	\$21,382.88	\$771.83	3.74%	\$21,857.45	\$21,911.00	\$53.55	0.24%	\$42,468.51	\$43,293.88	\$825.38	1.94%
720,000	2,000.0	\$21,515.81	\$22,264.97	\$749.15	3.48%	\$27,321.82	\$27,388.74	\$66.92	0.24%	\$48,837.63	\$49,653.71	\$816.07	1.67%
864,000	2,000.0	\$22,420.57	\$23,147.05	\$726.48	3.24%	\$32,786.18	\$32,866.49	\$80.31	0.24%	\$55,206.75	\$56,013.54	\$806.79	1.46%
1,152,000	2,000.0	\$24,230.08	\$24,911.22	\$681.14	2.81%	\$43,714.91	\$43,821.99	\$107.08	0.24%	\$67,944.99	\$68,733.21	\$788.22	1.16%

Current			<u>Proposed</u>		
Customer Charge		436.70	Customer Charge		436.70
T&D Demand Charge	kW x	\$8.15	T&D Demand Charge k'	W x	\$8.61
Revenue Decoupling Mechanisn	kW x	\$0.00	Revenue Decoupling Mechanism k'	W x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162	Legacy Transition Charge kV	Vh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03376	Commodity Energy Charge kV	Vh x	\$0.03376
Transmission Revenue Adjustment Charge	kWh x	(\$0.00213)	Transmission Revenue Adjustment Charge kV	Vh x	(\$0.00056)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007193	Systems Benefits Charge (CEF/EES) kV	Vh x	\$0.005460
			NYPA ETIP Credit	kW x	(\$0.03)
Merchant Function Charge	kWh x	\$0.00051	Merchant Function Charge kV	Vh x	\$0.00060
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge k	W x	\$0.00
DLM	kW x	\$0.04	DLM k'	W x	\$0.04
CES Supply Charge	kWh x	\$0.00330	CES Supply Charge kV	Vh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge kV	Vh x	\$0.00000
Gross Receipts Tax			Gross Receipts Tax		
•	Bill /	0.9900		ill /	0.9900
Commodity					
Delivery	Bill /	0.9900	Delivery	ill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GI Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charage and Commodity GR

# NIAGARA MOHAWK POWER CORPORATION d'b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY19 - Rate Year 1 vs. Curren

			Deliv	ery		Commodity Total							
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	\$1,011.82	\$1,055.53	\$43.71	4.32%	\$1,071.35	\$1,074.02	\$2.67	0.25%	\$2,083.17	\$2,129.55	\$46.38	2.23%
36,000	100.0	\$1,051.01	\$1,092.82	\$41.81	3.98%	\$1,339.18	\$1,342.53	\$3.35	0.25%	\$2,390.19	\$2,435.35	\$45.16	1.89%
43,200	100.0	\$1,090.20	\$1,130.11	\$39.92	3.66%	\$1,607.02	\$1,611.03	\$4.01	0.25%	\$2,697.22	\$2,741.14	\$43.93	1.63%
57,600	100.0	\$1,168.58	\$1,204.70	\$36.12	3.09%	\$2,142.69	\$2,148.04	\$5.35	0.25%	\$3,311.27	\$3,352.74	\$41.47	1.25%
57,600	200.0	\$1,452.69	\$1,465.60	\$12.91	0.89%	\$2,142.69	\$2,148.04	\$5.35	0.25%	\$3,595.38	\$3,613.64	\$18.26	0.51%
72,000	200.0	\$1,531.08	\$1,540.19	\$9.11	0.60%	\$2,678.36	\$2,685.06	\$6.70	0.25%	\$4,209.44	\$4,225.25	\$15.81	0.38%
86,400	200.0	\$1,609.46	\$1,614.77	\$5.32	0.33%	\$3,214.04	\$3,222.07	\$8.03	0.25%	\$4,823.50	\$4,836.84	\$13.35	0.28%
115,200	200.0	\$1,766.23	\$1,763.95	(\$2.28)	-0.13%	\$4,285.38	\$4,296.09	\$10.71	0.25%	\$6,051.61	\$6,060.04	\$8.43	0.14%
72,000	250.0	\$1,673.13	\$1,670.64	(\$2.49)	-0.15%	\$2,678.36	\$2,685.06	\$6.70	0.25%	\$4,351.49	\$4,355.70	\$4.21	0.10%
90,000	250.0	\$1,771.11	\$1,763.87	(\$7.24)	-0.41%	\$3,347.95	\$3,356.32	\$8.37	0.25%	\$5,119.06	\$5,120.19	\$1.13	0.02%
108,000	250.0	\$1,869.09	\$1,857.10	(\$11.99)	-0.64%	\$4,017.55	\$4,027.58	\$10.03	0.25%	\$5,886.64	\$5,884.68	(\$1.96)	-0.03%
144,000	250.0	\$2,065.05	\$2,043.57	(\$21.48)	-1.04%	\$5,356.73	\$5,370.11	\$13.38	0.25%	\$7,421.78	\$7,413.68	(\$8.10)	-0.11%
144,000	500.0	\$2,775.33	\$2,695.83	(\$79.50)	-2.86%	\$5,356.73	\$5,370.11	\$13.38	0.25%	\$8,132.06	\$8,065.94	(\$66.12)	-0.81%
180,000	500.0	\$2,971.28	\$2,882.29	(\$88.99)	-3.00%	\$6,695.91	\$6,712.64	\$16.73	0.25%	\$9,667.19	\$9,594.93	(\$72.26)	-0.75%
216,000	500.0	\$3,167.24	\$3,068.76	(\$98.49)	-3.11%	\$8,035.09	\$8,055.17	\$20.08	0.25%	\$11,202.33	\$11,123.93	(\$78.41)	-0.70%
288,000	500.0	\$3,559.15	\$3,441.68	(\$117.47)	-3.30%	\$10,713.45	\$10,740.22	\$26.77	0.25%	\$14,272.60	\$14,181.90	(\$90.70)	-0.64%
216,000	800.0	\$4,019.58	\$3,851.47	(\$168.11)	-4.18%	\$8,035.09	\$8,055.17	\$20.08	0.25%	\$12,054.67	\$11,906.64	(\$148.03)	-1.23%
270,000	800.0	\$4.313.51	\$4.131.16	(\$182.35)	-4.23%	\$10.043.86	\$10.068.96	\$25.10	0.25%	\$14.357.37	\$14,200.12	(\$157.25)	-1.10%
320,000	800.0	\$4,585.67	\$4,390.14	(\$195.53)	-4.26%	\$11,903.84	\$11,933.58	\$29.74	0.25%	\$16,489.51	\$16,323.72	(\$165.79)	-1.01%
432,000	800.0	\$5,195.32	\$4,970.25	(\$225.07)	-4.33%	\$16,070.18	\$16,110.34	\$40.16	0.25%	\$21,265.50	\$21,080.59	(\$184.91)	-0.87%
432,000	1,500.0	\$7,184.10	\$6,796.57	(\$387.53)	-5.39%	\$16,070.18	\$16,110.34	\$40.16	0.25%	\$23,254.28	\$22,906.91	(\$347.37)	-1.49%
540,000	1,500.0	\$7,771.97	\$7,355.96	(\$416.01)	-5.35%	\$20,087.73	\$20,137.92	\$50.19	0.25%	\$27,859.70	\$27,493.88	(\$365.82)	-1.31%
648,000	1,500.0	\$8,359.84	\$7,915.36	(\$444.49)	-5.32%	\$24,105.27	\$24,165.51	\$60.24	0.25%		\$32,080.87	(\$384.25)	-1.18%
864,000	1,500.0	\$9,535.58	\$9,034.14	(\$501.44)	-5.26%	\$32,140.36	\$32,220.67	\$80.31	0.25%		\$41,254.81	(\$421.13)	-1.01%
576,000	2,000.0	\$9,388.49	\$8,846.95	(\$541.54)	-5.77%	\$21,426.91	\$21,480.45	\$53.54	0.25%	\$30,815.40	\$30,327.40	(\$488.00)	-1.58%
720,000	2,000.0	\$10,172.32	\$9,592.80	(\$579.51)	-5.70%	\$26,783.64	\$26,850.56	\$66.92	0.25%		\$36,443.36	(\$512.59)	-1.39%
864,000	2,000.0	\$10,956.14	\$10,338.66	(\$617.49)	-5.64%	\$32,140.36	\$32,220.67	\$80.31	0.25%	\$43,096.50	\$42,559.33	(\$537.18)	-1.25%
1,152,000	2,000.0	\$12,523.80	\$11,830.37	(\$693.43)	-5.54%	\$42,853.82	\$42,960.90	\$107.08	0.25%	\$55,377.62	\$54,791.27	(\$586.35)	-1.06%

Current			Proposed		
Customer Charge		\$565.23	Customer Charge		\$639.00
T&D Demand Charge	kW x	\$2.77	T&D Demand Charge	kW x	\$2.68
Revenue Decoupling Mechanisn	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162	Legacy Transition Charge k	Wh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03302	Commodity Energy Charge k	Wh x	\$0.03302
Transmission Revenue Adjustment Charge	kWh x	(\$0.00171)	Transmission Revenue Adjustment Charge k	Wh x	(\$0.00054)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005938	Systems Benefits Charge (CEF/EES) k	Wh x	\$0.004507
			NYPA ETIP Credit	kW x	(\$0.14)
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge 1	kW x	\$0.00
DLM	kW x	\$0.04	DLM 1	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330	CES Supply Charge k	Wh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge k	Wh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00051	Merchant Function Charge	Wh x	\$0.00060
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GI Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

# NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (TRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY19 - Rate Year 1 vs. Curren

			Delive	ry			Commo	odity		Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	\$1,000.48	\$1,038.52	\$38.05	3.80%	\$1,076.58	\$1,079.26	\$2.68	0.25%	\$2,077.06	\$2,117.78	\$40.73	1.96%
36,000	100.0	\$1,036.83	\$1,072.79	\$35.96	3.47%	\$1,345.73	\$1,349.07	\$3.34	0.25%	\$2,382.56	\$2,421.86	\$39.30	1.65%
43,200	100.0	\$1,073.19	\$1,107.06	\$33.87	3.16%	\$1,614.87	\$1,618.89	\$4.02	0.25%	\$2,688.06	\$2,725.95	\$37.89	1.41%
57,600	100.0	\$1,145.90	\$1,175.60	\$29.70	2.59%	\$2,153.16	\$2,158.52	\$5.36	0.25%	\$3,299.06	\$3,334.12	\$35.06	1.06%
57,600	200.0	\$1,430.01	\$1,431.59	\$1.58	0.11%	\$2,153.16	\$2,158.52	\$5.36	0.25%	\$3,583.17	\$3,590.11	\$6.94	0.19%
72,000	200.0	\$1,502.73	\$1,500.13	(\$2.59)	-0.17%	\$2,691.45	\$2,698.15	\$6.70	0.25%	\$4.194.18	\$4.198.28	\$4.11	0.10%
86,400	200.0	\$1,575.44	\$1,568.67	(\$6.77)	-0.43%	\$3,229.75	\$3,237.78	\$8.03	0.25%	\$4,805.19	\$4,806.45	\$1.26	0.03%
115,200	200.0	\$1,720.86	\$1,705.75	(\$15.11)	-0.88%	\$4,306.33	\$4,317.04	\$10.71	0.25%	\$6,027.19	\$6,022.79	(\$4.40)	-0.07%
113,200	200.0	\$1,720.00	\$1,705.75	(\$15.11)	-0.0070	\$4,500.55	34,317.04	310.71	0.2370	30,027.19	30,022.79	(34.40)	-0.0776
72,000	250.0	\$1,644.78	\$1,628.13	(\$16.66)	-1.01%	\$2,691.45	\$2,698.15	\$6.70	0.25%	\$4,336.23	\$4,326.28	(\$9.96)	-0.23%
90,000	250.0	\$1,735.67	\$1,713.80	(\$21.87)	-1.26%	\$3,364.32	\$3,372.68	\$8.36	0.25%	\$5,099.99	\$5,086.48	(\$13.51)	-0.26%
108,000	250.0	\$1,826.56	\$1,799.48	(\$27.09)	-1.48%	\$4,037.18	\$4,047.22	\$10.04	0.25%	\$5,863.74	\$5,846.70	(\$17.05)	-0.29%
144,000	250.0	\$2,008.34	\$1,970.82	(\$37.52)	-1.87%	\$5,382.91	\$5,396.29	\$13.38	0.25%	\$7,391.25	\$7,367.11	(\$24.14)	-0.33%
144,000	500.0	62.710.62	62 (10 00	(\$107.83)	-3.97%	65 202 01	65 206 20	612.20	0.250/	60 101 53	\$8.007.09	(004.45)	1.170/
144,000	500.0	\$2,718.62	\$2,610.80			\$5,382.91	\$5,396.29	\$13.38	0.25%	\$8,101.53		(\$94.45)	-1.17%
180,000	500.0	\$2,900.40	\$2,782.15	(\$118.26)	-4.08%	\$6,728.64	\$6,745.37	\$16.73	0.25%	\$9,629.04	\$9,527.52	(\$101.53)	-1.05%
216,000	500.0	\$3,082.19	\$2,953.50	(\$128.69)	-4.18%	\$8,074.36	\$8,094.44	\$20.08	0.25%	\$11,156.55	\$11,047.94	(\$108.61)	-0.97%
288,000	500.0	\$3,445.75	\$3,296.19	(\$149.55)	-4.34%	\$10,765.82	\$10,792.59	\$26.77	0.25%	\$14,211.57	\$14,088.78	(\$122.78)	-0.86%
216,000	800.0	\$3,934.52	\$3,721.46	(\$213.06)	-5.42%	\$8,074.36	\$8,094.44	\$20.08	0.25%	\$12,008.88	\$11,815.90	(\$192.98)	-1.61%
270,000	800.0	\$4,207,19	\$3,978,49	(\$228.71)	-5.44%	\$10.092.95	\$10.118.05	\$25.10	0.25%	\$14,300.14	\$14.096.54	(\$203.61)	-1.42%
320,000	800.0	\$4,459,67	\$4.216.47	(\$243.19)	-5.45%	\$11.962.02	\$11.991.77	\$29.75	0.25%	\$16,421.69	\$16,208,24	(\$213.44)	-1.30%
432,000	800.0	\$5,025.21	\$4,749.56	(\$275.65)	-5.49%	\$16,148.73	\$16,188.88	\$40.15	0.25%	\$21,173.94	\$20,938.44	(\$235.50)	-1.11%
432,000	1,500.0	\$7,013.99	\$6,541.48	(\$472.51)	-6.74%	\$16,148.73	\$16,188.88	\$40.15	0.25%	\$23,162.72	\$22,730.36	(\$432.36)	-1.87%
540,000	1,500.0	\$7,559.33	\$7,055.53	(\$503.80)	-6.66%	\$20,185.91	\$20,236.10	\$50.19	0.25%	\$27,745.24	\$27,291.63	(\$453.61)	-1.63%
648,000	1,500.0	\$8,104.68	\$7,569.58	(\$535.10)	-6.60%	\$24,223.09	\$24,283.32	\$60.23	0.25%	\$32,327.77	\$31,852.90	(\$474.87)	-1.47%
864,000	1,500.0	\$9,195.36	\$8,597.67	(\$597.69)	-6.50%	\$32,297.45	\$32,377.77	\$80.32	0.25%	\$41,492.81	\$40,975.44	(\$517.37)	-1.25%
576,000	2,000.0	\$9,161.68	\$8,506.83	(\$654.85)	-7.15%	\$21,531.64	\$21,585.18	\$53.54	0.25%	\$30,693.32	\$30,092.01	(\$601.31)	-1.96%
720,000	2,000.0	\$9,888.80	\$9,192.22	(\$696.58)	-7.04%	\$26,914.55	\$26,981.47	\$66.92	0.25%	\$36,803.35	\$36,173.69	(\$629.66)	-1.71%
864,000	2,000.0	\$10,615.92	\$9.877.62	(\$738.30)	-6.95%	\$32,297.45	\$32,377,77	\$80.32	0.25%	\$42,913.37	\$42.255.39	(\$657.98)	-1.53%
1.152.000	2,000.0	\$12,070.17	\$11.248.41	(\$821.76)	-6.81%	\$43.063.27	\$43.170.35	\$107.08	0.25%	\$55.133.44	\$54.418.76	(\$714.68)	-1.30%

Current			<u>Proposed</u>		
Customer Charge		565.23	Customer Charge		639.00
T&D Demand Charge	kW x	\$2.77	T&D Demand Charge	kW x	\$2.68
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162	Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03320	Commodity Energy Charge	kWh x	\$0.03320
Transmission Revenue Adjustment Charge	kWh x	(\$0.00155)	Transmission Revenue Adjustment Charge	kWh x	(\$0.00054)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005390	Systems Benefits Charge (CEF/EES)	kWh x	\$0.004091
			NYPA ETIP Credit	kW x	(\$0.19)
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.003298	CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.000000	CES Delivery Charge	kWh x	\$0.000000
Merchant Function Charge	kWh x	\$0.00051	Merchant Function Charge	kWh x	0.00060
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Chargeand Delivery GF Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (SECONDARY) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY19 - Rate Year 1 vs. Curren

Delivery					Commodity				Total					
kWh Usage On-	-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	\$28,854.01	\$30,199.45	\$1,345.43	4.66%	\$28,354.55	\$28,421.47	\$66.92	0.24%	\$57,208.56	\$58,620.92	\$1,412.35	2.47%
720,000	50%	2,500.0	\$28,854.01	\$30,199.45	\$1,345.43	4.66%	\$26,961.82	\$27,028.74	\$66.92	0.25%	\$55,815.83	\$57,228.19	\$1,412.35	2.53%
720,000	40%	2,500.0	\$28,854.01	\$30,199.45	\$1,345.43	4.66%	\$25,569.09	\$25,636.02	\$66.93	0.26%	\$54,423.10	\$55,835.47	\$1,412.36	2.60%
1,250,000	60%	2,500.0	\$32,206.44	\$33,550.87	\$1,344.43	4.17%	\$49,226.64	\$49,342.83	\$116.19	0.24%	\$81,433.08	\$82,893.70	\$1,460.62	1.79%
1,250,000	50%	2,500.0	\$32,206.44	\$33,550.87	\$1,344.43	4.17%	\$46,808.71	\$46,924.90	\$116.19	0.25%	\$79,015.15	\$80,475.77	\$1,460.62	1.85%
1,250,000	40%	2,500.0	\$32,206.44	\$33,550.87	\$1,344.43	4.17%	\$44,390.78	\$44,506.97	\$116.19	0.26%	\$76,597.22	\$78,057.84	\$1,460.62	1.91%
1,440,000	60%	2,500.0	\$33,408.25	\$34,752.33	\$1,344.07	4.02%	\$56,709.09	\$56.842.94	\$133.85	0.24%	\$90,117.34	\$91.595.27	\$1,477.92	1.64%
1,440,000	50%	2,500.0	\$33,408.25	\$34,752.33	\$1,344.07	4.02%	\$53,923.64	\$54,057.49	\$133.85	0.25%	\$87,331.89	\$88,809.82	\$1,477.92	1.69%
1,440,000	40%	2,500.0	\$33,408.25	\$34,752.33	\$1,344.07	4.02%	\$51,138.18	\$51,272.03	\$133.85	0.26%	\$84,546.43	\$86,024.36	\$1,477.92	1.75%
1,008,000	60%	3,500.0	\$39.991.58	\$41,740.51	\$1,748.93	4.37%	\$39,696,36	\$39,790.06	\$93.70	0.24%	\$79,687.94	\$81,530.57	\$1,842.63	2.31%
1,008,000	50%	3,500.0	\$39,991.58	\$41,740.51	\$1,748.93	4.37%	\$37,746.55	\$37,840.24	\$93.69	0.24%	\$77,738.13	\$79,580.75	\$1,842.62	2.37%
1,008,000	40%	3,500.0	\$39,991.58	\$41,740.51	\$1,748.93	4.37%	\$35,796.73	\$35,890.42	\$93.69	0.26%	\$75,788.31	\$77,630.93	\$1,842.62	2.43%
			,	, ,										
1,512,000	60%	3,500.0	\$43,179.55	\$44,927.52	\$1,747.97	4.05%	\$59,544.55	\$59,685.09	\$140.54	0.24%	\$102,724.10	\$104,612.61	\$1,888.51	1.84%
1,512,000	50%	3,500.0	\$43,179.55	\$44,927.52	\$1,747.97	4.05%	\$56,619.82	\$56,760.36	\$140.54	0.25%	\$99,799.37	\$101,687.88	\$1,888.51	1.89%
1,512,000	40%	3,500.0	\$43,179.55	\$44,927.52	\$1,747.97	4.05%	\$53,695.09	\$53,835.64	\$140.55	0.26%	\$96,874.64	\$98,763.16	\$1,888.52	1.95%
2,016,000	60%	3,500.0	\$46,367.52	\$48,114.54	\$1,747.02	3.77%	\$79,392.73	\$79,580.12	\$187.39	0.24%	\$125,760.25	\$127,694.66	\$1,934.41	1.54%
2,016,000	50%	3,500.0	\$46,367.52	\$48,114.54	\$1,747.02	3.77%	\$75,493.09	\$75,680.48	\$187.39	0.25%	\$121,860.61	\$123,795.02	\$1,934.41	1.59%
2,016,000	40%	3,500.0	\$46,367.52	\$48,114.54	\$1,747.02	3.77%	\$71,593.45	\$71,780.85	\$187.40	0.26%	\$117,960.97	\$119,895.39	\$1,934.42	1.64%
1,152,000	60%	4,000.0	\$45,560.36	\$47,511.03	\$1,950.68	4.28%	\$45,367.27	\$45,474.35	\$107.08	0.24%	\$90,927.63	\$92,985.38	\$2,057.76	2.26%
1,152,000	50%	4,000.0	\$45,560.36	\$47,511.03	\$1,950.68	4.28%	\$43,138.91	\$43,245.99	\$107.08	0.25%	\$88,699.27	\$90,757.02	\$2,057.76	2.32%
1,152,000	40%	4,000.0	\$45,560.36	\$47,511.03	\$1,950.68	4.28%	\$40,910.55	\$41,017.63	\$107.08	0.26%	\$86,470.91	\$88,528.66	\$2,057.76	2.38%
1,728,000	60%	4.000.0	\$49.203.75	\$51.153.34	\$1.949.59	3.96%	\$68.050.91	\$68.211.53	\$160.62	0.24%	\$117,254.66	\$119.364.87	\$2.110.21	1.80%
1,728,000	50%	4,000.0	\$49,203.75	\$51,153.34	\$1,949.59	3.96%	\$64,708.36	\$64,868.99	\$160.63	0.25%	\$113,912.11	\$116,022.33	\$2,110.22	1.85%
1,728,000	40%	4,000.0	\$49,203.75	\$51,153.34	\$1,949.59	3.96%	\$61,365.82	\$61,526.44	\$160.62	0.26%	\$110,569.57	\$112,679.78	\$2,110.21	1.91%
2.304.000	60%	4.000.0	\$52.847.15	\$54.795.64	\$1.948.49	3.69%	\$90.734.55	\$90.948.71	\$214.16	0.24%	\$143.581.70	\$145.744.35	\$2.162.65	1.51%
2,304,000	50%	4.000.0	\$52,847.15	\$54,795.64 \$54.795.64	\$1.948.49	3.69%	\$86,277.82	\$86.491.98	\$214.16	0.25%	\$139,124.97	\$141.287.62	\$2,162.65	1.55%
2,304,000	40%	4,000.0	\$52,847.15	\$54,795.64	\$1,948.49	3.69%	\$81,821.09	\$82,035.25	\$214.16	0.26%	\$134,668.24	\$136,830.89	\$2,162.65	1.61%
3,888,000	60%	13,500.0	\$151,367.22	\$157,151.10	\$5,783.88	3.82%	\$153,114.55	\$153,475.95	\$361.40	0.24%	\$304,481.77	\$310.627.05	\$6,145.28	2.02%
3,888,000	50%	13,500.0	\$151,367.22 \$151,367.22	\$157,151.10 \$157,151.10	\$5,783.88 \$5,783.88	3.82%	\$153,114.55	\$153,475.95 \$145,955.22	\$361.40 \$361.40	0.24%	\$304,481.77	\$310,627.05	\$6,145.28 \$6,145.28	2.02%
3,888,000	40%	13,500.0	\$151,367.22 \$151,367.22	\$157,151.10	\$5,783.88	3.82%	\$145,593.82	\$145,955.22 \$138,434.49	\$361.40	0.25%	\$290,961.04	\$295,585.59	\$6,145.28 \$6,145.28	2.07%
5,832,000	60%	13,500.0	\$163,663.67	\$169,443.87	\$5,780.20	3.53%	\$229,671.82	\$230,213.92	\$542.10	0.24%	\$393,335.49	\$399,657.79	\$6,322.30	1.61%
5,832,000	50%	13,500.0	\$163,663.67	\$169,443.87	\$5,780.20	3.53%	\$218,390.73	\$218,932.83	\$542.10	0.25%	\$382,054.40	\$388,376.70	\$6,322.30	1.65%
5,832,000	40%	13,500.0	\$163,663.67	\$169,443.87	\$5,780.20	3.53%	\$207,109.64	\$207,651.74	\$542.10	0.26%	\$370,773.31	\$377,095.61	\$6,322.30	1.71%
7,776,000	60%	13,500.0	\$175,960,13	\$181.736.65	\$5,776.52	3.28%	\$306.229.09	\$306.951.89	\$722.80	0.24%	\$482,189,22	\$488,688,54	\$6,499.32	1.35%
7,776,000	50%	13,500.0	\$175,960.13	\$181,736.65	\$5,776.52	3.28%	\$291,187.64	\$291,910.44	\$722.80	0.25%	\$467,147.77	\$473,647.09	\$6,499.32	1.39%
7,776,000	40%	13,500.0	\$175,960.13		\$5,776.52	3.28%	\$276,146.18	\$276,868.98	\$722.80	0.26%	\$452,106.31	\$458,605.63	\$6,499.32	1.44%

Current			<u>Proposed</u>	
Customer Charge		1,000.00	Customer Charge	\$1,333.33
T&D Demand Charge	kW x	\$9.18	T&D Demand Charge kW x	\$9.58
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162	Legacy Transition Charge kWh x	\$0.001162
Commodity Energy Charge On Peal	kWh x	\$0.04284	Commodity Energy Charge On Peal kWh x	\$0.04284
Commodity Energy Charge Off Peal	kWh x	\$0.02369	Commodity Energy Charge Off Peal kWh x	\$0.02369
Transmission Revenue Adjustment Charge	kWh x	(\$0.00241)	Transmission Revenue Adjustment Charge kWh x	(\$0.00060)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007511	Systems Benefits Charge (CEF/EES) kWh x	\$0.005701
			NYPA ETIP Credit k	W x \$0.00
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge kW x	\$0.00
DLM	kW x	\$0.04	DLM kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330	CES Supply Charge kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00051	Merchant Function Charge kWh x	0.00060
Gross Receipts Tax			Gross Receipts Tax	
Commodity	Bill /	0.9900	Commodity Bill /	0.9900
Delivery	Bill /	0.9900	Delivery Bill /	0.9900

Delivery includes Customer Charge, T&D, Deferral Recovery, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GCommodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

#### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (PRIMARY) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY19 - Rate Year 1 vs. Curren

				Delive	ry			Commo	odity			Total		
kWh Usage On	n-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	\$27,844.34	\$28,484.11	\$639.77	2.30%	\$27,720.36	\$27,787.29	\$66.93	0.24%	\$55,564.70	\$56,271.40	\$706.70	1.27%
720,000	50%	2,500.0	\$27,844.34	\$28,484.11	\$639.77	2.30%	\$26,372.73	\$26,439.65	\$66.92	0.25%	\$54,217.07	\$54,923.76	\$706.69	1.30%
720,000	40%	2,500.0	\$27,844.34	\$28,484.11	\$639.77	2.30%	\$25,025.09	\$25,092.02	\$66.93	0.27%	\$52,869.43	\$53,576.13	\$706.70	1.34%
1,250,000	60%	2,500.0	\$30,453.54	\$31,004.75	\$551.21	1.81%	\$48,125.63	\$48,241.82	\$116.19	0.24%	\$78,579.17	\$79,246.57	\$667.40	0.85%
1,250,000	50%	2,500.0	\$30,453.54	\$31,004.75	\$551.21	1.81%	\$45,785.98	\$45,902.18	\$116.20	0.25%	\$76,239.52	\$76,906.93	\$667.41	0.88%
1,250,000	40%	2,500.0	\$30,453.54	\$31,004.75	\$551.21	1.81%	\$43,446.34	\$43,562.53	\$116.19	0.27%	\$73,899.88	\$74,567.28	\$667.40	0.90%
1,440,000	60%	2.500.0	\$31.388.91	\$31.908.37	\$519.46	1.65%	\$55.440.73	\$55,574,58	\$133.85	0.24%	\$86.829.64	\$87.482.95	\$653.31	0.75%
1,440,000	50%	2,500.0	\$31,388.91	\$31,908.37	\$519.46	1.65%	\$52,745.45	\$52.879.31	\$133.86	0.25%	\$84,134.36	\$84.787.68	\$653.32	0.78%
1,440,000	40%	2,500.0	\$31,388.91	\$31,908.37	\$519.46	1.65%	\$50,050.18	\$50,184.03	\$133.85	0.27%	\$81,439.09	\$82,092.40	\$653.31	0.80%
1,008,000	60%	3.500.0	\$38.578.03	\$39.339.03	\$761.00	1.97%	\$38.808.51	\$38.902.21	\$93.70	0.24%	\$77.386.54	\$78.241.24	\$854.70	1.10%
1,008,000	50%	3,500.0	\$38,578.03	\$39,339.03	\$761.00	1.97%	\$36,921.82	\$37,015.51	\$93.69	0.25%	\$75,499.85	\$76,354.54	\$854.69	1.13%
1,008,000	40%	3,500.0	\$38,578.03	\$39,339.03	\$761.00	1.97%	\$35,035.13	\$35,128.82	\$93.69	0.27%	\$73,613.16	\$74,467.85	\$854.69	1.16%
1.512.000	600/	2.500.0	641.050.22	641.726.02	6676 70	1.650/	650 212 76	050.252.21	6140.55	0.240/	600 271 00	6100 000 22	6017.22	0.000/
1,512,000	60%	3,500.0	\$41,059.23	\$41,736.02	\$676.78	1.65% 1.65%	\$58,212.76	\$58,353.31	\$140.55	0.24% 0.25%	\$99,271.99	\$100,089.33	\$817.33	0.82%
1,512,000	50%	3,500.0	\$41,059.23	\$41,736.02	\$676.78		\$55,382.73	\$55,523.27	\$140.54		\$96,441.96	\$97,259.29	\$817.32	0.85%
1,512,000	40%	3,500.0	\$41,059.23	\$41,736.02	\$676.78	1.65%	\$52,552.69	\$52,693.24	\$140.55	0.27%	\$93,611.92	\$94,429.26	\$817.33	0.87%
2,016,000	60%	3,500.0	\$43,540.43	\$44,133.00	\$592.57	1.36%	\$77,617.02	\$77,804.41	\$187.39	0.24%	\$121,157.45	\$121,937.41	\$779.96	0.64%
2,016,000	50%	3,500.0	\$43,540.43	\$44,133.00	\$592.57	1.36%	\$73,843.64	\$74,031.03	\$187.39	0.25%	\$117,384.07	\$118,164.03	\$779.96	0.66%
2,016,000	40%	3,500.0	\$43,540.43	\$44,133.00	\$592.57	1.36%	\$70,070.25	\$70,257.65	\$187.40	0.27%	\$113,610.68	\$114,390.65	\$779.97	0.69%
1,152,000	60%	4,000.0	\$43,944.88	\$44,766.50	\$821.62	1.87%	\$44,352.58	\$44,459.66	\$107.08	0.24%	\$88,297.46	\$89,226.16	\$928.70	1.05%
1,152,000	50%	4,000.0	\$43,944.88	\$44,766.50	\$821.62	1.87%	\$42,196.36	\$42,303.45	\$107.09	0.25%	\$86,141.24	\$87,069.95	\$928.71	1.08%
1,152,000	40%	4,000.0	\$43,944.88	\$44,766.50	\$821.62	1.87%	\$40,040.15	\$40,147.23	\$107.08	0.27%	\$83,985.03	\$84,913.73	\$928.70	1.11%
1,728,000	60%	4.000.0	\$46.780.54	\$47.505.90	\$725.37	1.55%	\$66,528.87	\$66,689,49	\$160.62	0.24%	\$113.309.41	\$114.195.39	\$885.99	0.78%
1,728,000	50%	4,000.0	\$46,780.54	\$47,505.90	\$725.37	1.55%	\$63,294.55	\$63,455.17	\$160.62	0.25%	\$110,075.09	\$110,961.07	\$885.99	0.80%
1,728,000	40%	4,000.0	\$46,780.54	\$47,505.90	\$725.37	1.55%	\$60,060.22	\$60,220.84	\$160.62	0.27%	\$106,840.76	\$107,726.74	\$885.99	0.83%
2.304.000	60%	4.000.0	\$49.616.19	\$50.245.31	\$629.12	1.27%	\$88.705.16	\$88,919.33	\$214.17	0.24%	\$138.321.35	\$139.164.64	\$843.29	0.61%
2,304,000	50%	4.000.0	\$49,616.19	\$50.245.31	\$629.12	1.27%	\$84,392.73	\$84,606.89	\$214.16	0.25%	\$134,008.92	\$134.852.20	\$843.28	0.63%
2,304,000	40%	4,000.0	\$49,616.19	\$50,245.31	\$629.12	1.27%	\$80,080.29	\$80,294.45	\$214.16	0.27%	\$129,696.48	\$130,539.76	\$843.28	0.65%
2 888 000	60%	13.500.0	\$145.914.98	\$147.888.28	\$1.973.30	1.35%	\$149.689.96	\$150.051.36	\$361.40	0.24%	\$295.604.94	\$297.939.64	\$2.334.70	0.79%
3,888,000 3,888,000	50%	13,500.0	\$145,914.98 \$145.914.98	\$147,888.28 \$147.888.28	\$1,973.30 \$1.973.30	1.35%	\$149,689.96 \$142.412.73	\$150,051.36 \$142.774.13	\$361.40 \$361.40	0.24%	\$295,604.94 \$288.327.71	\$297,939.64 \$290.662.41	\$2,334.70 \$2,334.70	0.79%
3,888,000	50% 40%	13,500.0	\$145,914.98 \$145,914.98	\$147,888.28 \$147,888.28	\$1,973.30 \$1,973.30	1.35%	\$142,412.73	\$142,774.13 \$135,496.89	\$361.40 \$361.40	0.25%	\$288,327.71 \$281,050.47	\$290,662.41 \$283,385.17	\$2,334.70 \$2,334.70	0.81%
3,000,000	4070	13,300.0	\$145,714.98	\$141,000.28	\$1,7/3.30	1.3370	\$133,133.49	a133,470.09	\$301.40	0.2770	\$201,030.47	9203,303.1/	\$4,554.70	0.65%
5,832,000	60%	13,500.0	\$155,485.32	\$157,133.78	\$1,648.46	1.06%	\$224,534.95	\$225,077.05	\$542.10	0.24%	\$380,020.27	\$382,210.83	\$2,190.56	0.58%
5,832,000	50%	13,500.0	\$155,485.32	\$157,133.78	\$1,648.46	1.06%	\$213,619.09	\$214,161.19	\$542.10	0.25%	\$369,104.41	\$371,294.97	\$2,190.56	0.59%
5,832,000	40%	13,500.0	\$155,485.32	\$157,133.78	\$1,648.46	1.06%	\$202,703.24	\$203,245.34	\$542.10	0.27%	\$358,188.56	\$360,379.12	\$2,190.56	0.61%
7,776,000	60%	13,500.0	\$165,055.66	\$166,379.28	\$1,323.63	0.80%	\$299,379.93	\$300,102.73	\$722.80	0.24%	\$464,435.59	\$466,482.01	\$2,046.43	0.44%
7,776,000	50%	13,500.0	\$165,055.66	\$166,379.28	\$1,323.63	0.80%	\$284,825.45	\$285,548.25	\$722.80	0.25%	\$449,881.11	\$451,927.53	\$2,046.43	0.45%
7,776,000	40%	13,500.0	\$165,055.66	\$166,379.28	\$1,323.63	0.80%	\$270,270.98	\$270,993.78	\$722.80	0.27%	\$435,326.64	\$437,373.06	\$2,046.43	0.47%

Current			<u>Proposed</u>	
Customer Charge		1,000.00	Customer Charge	1,333.33
T&D Demand Charge	kW x	\$9.18	T&D Demand Charge kW x	\$9.58
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162	Legacy Transition Charge kWh x	\$0.001162
Commodity Energy Charge On Peal	kWh x	\$0.04172	Commodity Energy Charge On Peal kWh x	\$0.04172
Commodity Energy Charge Off Peal	kWh x	\$0.02319	Commodity Energy Charge Off Peal kWh x	\$0.02319
Transmission Revenue Adjustment Charge	kWh x	(\$0.00175)	Transmission Revenue Adjustment Charge kWh x	(\$0.00060)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005466	Systems Benefits Charge (CEF/EES) kWh x	\$0.004149
			NYPA ETIP Credit	W x (\$0.23)
DLM	kW x	\$0.04	DLM kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330	CES Supply Charge kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge kWh x	\$0.00000
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge kW x	\$0.00
Merchant Function Charge	kWh x	\$0.00051	Merchant Function Charge kWh x	\$0.00060
Gross Receipts Tax			Gross Receipts Tax	
Commodity	Bill /	0.9900	Commodity Bill /	0.9900
Delivery	Bill /	0.9900	Delivery Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GI Commodity includes the Commodity Energy charge, Merchant Function Charge. CES Supply Charge and Commodity GR

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (SUBTRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY19 - Rate Year 1 vs. Curren

				Deliver	у			Commo	dity			Tota	ıl	
kWh Usage On-	-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	\$15,006.81	\$14,836.70	(\$170.11)	-1.13%	\$27,263.64	\$27,330.56	\$66.92	0.25%	\$42,270.45	\$42,167.26	(\$103.19)	-0.24%
720,000	50%	2,500.0	\$15,006.81	\$14,836.70	(\$170.11)	-1.13%	\$25,954.55	\$26,021.47	\$66.92	0.26%	\$40,961.36	\$40,858.17	(\$103.19)	-0.25%
720,000	40%	2,500.0	\$15,006.81	\$14,836.70	(\$170.11)	-1.13%	\$24,645.45	\$24,712.38	\$66.93	0.27%	\$39,652.26	\$39,549.08	(\$103.18)	-0.26%
1,080,000	60%	2,500.0	\$17,254.27	\$17,023.29	(\$230.98)	-1.34%	\$40,895.45	\$40,995.84	\$100.39	0.25%	\$58,149.72	\$58,019.13	(\$130.59)	-0.22%
1,080,000	50%	2,500.0	\$17,254.27	\$17,023.29	(\$230.98)	-1.34%	\$38,931.82	\$39,032.21	\$100.39	0.26%	\$56,186.09	\$56,055.50	(\$130.59)	-0.23%
1,080,000	40%	2,500.0	\$17,254.27	\$17,023.29	(\$230.98)	-1.34%	\$36,968.18	\$37,068.57	\$100.39	0.27%	\$54,222.45	\$54,091.86	(\$130.59)	-0.24%
1,440,000	60%	2,500.0	\$19,501.73	\$19,209.87	(\$291.85)	-1.50%	\$54.527.27	\$54,661.12	\$133.85	0.25%	\$74.029.00	\$73,870.99	(\$158.00)	-0.21%
1,440,000	50%	2,500.0	\$19,501.73	\$19,209.87	(\$291.85)	-1.50%	\$51,909.09	\$52,042.94	\$133.85	0.26%	\$71,410.82	\$71,252.81	(\$158.00)	-0.22%
1,440,000	40%	2,500.0	\$19,501.73	\$19,209.87	(\$291.85)	-1.50%	\$49,290.91	\$49,424.76	\$133.85	0.27%	\$68,792.64	\$68,634.63	(\$158.00)	-0.23%
1,008,000	60%	3.500.0	\$20.443.87	\$20.066.73	(\$377.14)	-1.84%	\$38,169.09	\$38.262.79	\$93.70	0.25%	\$58.612.96	\$58.329.52	(\$283.44)	-0.48%
1,008,000	50%	3,500.0	\$20,443.87	\$20,066.73	(\$377.14)	-1.84%	\$36,336.36	\$36,430.06	\$93.70	0.26%	\$56,780.23	\$56,496.79	(\$283.44)	-0.50%
1,008,000	40%	3,500.0	\$20,443.87	\$20,066.73	(\$377.14)	-1.84%	\$34,503.64	\$34,597.33	\$93.69	0.27%	\$54,947.51	\$54,664.06	(\$283.45)	-0.52%
1,512,000	60%	3,500.0	\$23.590.32	\$23,127.95	(\$462.36)	-1.96%	\$57,253.64	\$57.394.18	\$140.54	0.25%	\$80.843.96	\$80,522.13	(\$321.82)	-0.40%
1,512,000	50%	3,500.0	\$23,590.32	\$23,127.95	(\$462.36)	-1.96%	\$54,504.55	\$54.645.09	\$140.54	0.25%	\$78,094.87	\$77,773.04	(\$321.82)	-0.40%
1,512,000	40%	3,500.0	\$23,590.32	\$23,127.95	(\$462.36)	-1.96%	\$51,755.45	\$51,896.00	\$140.55	0.20%	\$75,345.77	\$75,023.95	(\$321.81)	-0.41%
	40/0	3,300.0	323,390.32	323,127.93	(3402.30)	-1.9070	\$51,755.45	331,890.00	3140.55	0.2770	\$15,545.11	373,023.93	(3321.81)	-0.4370
2,016,000	60%	3,500.0	\$26,736.76	\$26,189.18	(\$547.58)	-2.05%	\$76,338.18	\$76,525.57	\$187.39	0.25%	\$103,074.94	\$102,714.75	(\$360.19)	-0.35%
2,016,000	50%	3,500.0	\$26,736.76	\$26,189.18	(\$547.58)	-2.05%	\$72,672.73	\$72,860.12	\$187.39	0.26%	\$99,409.49	\$99,049.30	(\$360.19)	-0.36%
2,016,000	40%	3,500.0	\$26,736.76	\$26,189.18	(\$547.58)	-2.05%	\$69,007.27	\$69,194.67	\$187.40	0.27%	\$95,744.03	\$95,383.85	(\$360.18)	-0.38%
1,152,000	60%	4,000.0	\$23,162.41	\$22,681.75	(\$480.66)	-2.08%	\$43,621.82	\$43,728.90	\$107.08	0.25%	\$66,784.23	\$66,410.65	(\$373.58)	-0.56%
1,152,000	50%	4,000.0	\$23,162.41	\$22,681.75	(\$480.66)	-2.08%	\$41,527.27	\$41,634.35	\$107.08	0.26%	\$64,689.68	\$64,316.10	(\$373.58)	-0.58%
1,152,000	40%	4,000.0	\$23,162.41	\$22,681.75	(\$480.66)	-2.08%	\$39,432.73	\$39,539.81	\$107.08	0.27%	\$62,595.14	\$62,221.56	(\$373.58)	-0.60%
2,000,000	60%	4,000.0	\$28,456.42	\$27,832.38	(\$624.05)	-2.19%	\$75,732.32	\$75,918.23	\$185.91	0.25%	\$104,188.74	\$103,750.61	(\$438.14)	-0.42%
2,000,000	50%	4,000.0	\$28,456.42	\$27,832.38	(\$624.05)	-2.19%	\$72,095.96	\$72,281.86	\$185.90	0.26%	\$100,552.38	\$100,114.24	(\$438.15)	-0.44%
2,000,000	40%	4,000.0	\$28,456.42	\$27,832.38	(\$624.05)	-2.19%	\$68,459.60	\$68,645.50	\$185.90	0.27%	\$96,916.02	\$96,477.88	(\$438.15)	-0.45%
2,304,000	60%	4,000.0	\$30,354.28	\$29.678.83	(\$675.45)	-2.23%	\$87,243.64	\$87,457.80	\$214.16	0.25%	\$117.597.92	\$117,136.63	(\$461.29)	-0.39%
2,304,000	50%	4,000.0	\$30,354.28	\$29,678.83	(\$675.45)	-2.23%	\$83,054.55	\$83,268.71	\$214.16	0.25%	\$113,408.83	\$112,947.54	(\$461.29)	-0.39%
2,304,000	40%	4,000.0	\$30,354.28	\$29,678.83	(\$675.45)	-2.23%	\$78,865.45	\$79,079.62	\$214.17	0.27%	\$109,219.73	\$108,758.45	(\$461.28)	-0.42%
2 000 000	60%	12 500 0	674 014 54	\$72.367.05	(62 447 49)	2 270/	61 47 222 64	6147 505 04	6261.40	0.25%	6222 029 19	6210.052.00	(62.08(.08)	-0.94%
3,888,000 3,888,000	50%	13,500.0 13,500.0	\$74,814.54 \$74,814.54	\$72,367.05 \$72,367.05	(\$2,447.48) (\$2,447.48)	-3.27% -3.27%	\$147,223.64 \$140,154.55	\$147,585.04 \$140,515.95	\$361.40 \$361.40	0.25%	\$222,038.18 \$214,969.09	\$219,952.09 \$212,883.00	(\$2,086.08) (\$2,086.08)	-0.94%
3,888,000	50% 40%	13,500.0	\$74,814.54 \$74,814.54	\$72,367.05 \$72,367.05	(\$2,447.48)	-3.27%		\$140,515.95 \$133,446.85	\$361.40 \$361.40	0.26%	\$214,969.09	\$212,883.00 \$205,813.90	(\$2,086.08)	-0.97%
2,000,000	4070	13,300.0	3/4,014.34	\$14,301.03	(34,447.48)	-3.21/0	\$133,063.43	φ133, <del>44</del> 0.63	3301.40	0.2770	3201,077.99	9403,013.70	(\$2,000.08)	-1.00%
5,832,000	60%	13,500.0	\$86,950.82	\$84,174.63	(\$2,776.19)	-3.19%	\$220,835.45	\$221,377.55	\$542.10	0.25%	\$307,786.27	\$305,552.18	(\$2,234.09)	-0.73%
5,832,000	50%	13,500.0	\$86,950.82	\$84,174.63	(\$2,776.19)	-3.19%	\$210,231.82	\$210,773.92	\$542.10	0.26%	\$297,182.64	\$294,948.55	(\$2,234.09)	-0.75%
5,832,000	40%	13,500.0	\$86,950.82	\$84,174.63	(\$2,776.19)	-3.19%	\$199,628.18	\$200,170.28	\$542.10	0.27%	\$286,579.00	\$284,344.91	(\$2,234.09)	-0.78%
7,776,000	60%	13,500.0	\$99,087.09	\$95,982.20	(\$3,104.89)	-3.13%	\$294,447.27	\$295,170.07	\$722.80	0.25%	\$393,534.36	\$391,152.27	(\$2,382.09)	-0.61%
7,776,000	50%	13,500.0	\$99,087.09	\$95,982.20	(\$3,104.89)	-3.13%	\$280,309.09	\$281,031.89	\$722.80	0.26%	\$379,396.18	\$377,014.09	(\$2,382.09)	-0.63%
7,776,000	40%	13,500.0	\$99,087.09	\$95,982.20	(\$3,104.89)	-3.13%	\$266,170.91	\$266,893.71	\$722.80	0.27%	\$365,258.00	\$362,875.91	(\$2,382.09)	-0.65%
.,,	.070	,. 00.0	4.2,007.02	,-02.20	(4=,-01.07)	2.1370	,170.71		2.22.00	2.2770	42.22,220.00		(02,002.07)	2.0270

Current			<u>Proposed</u>		
Customer Charge		1,400.00	Customer Charge		\$1,744.00
T&D Demand Charge	kW x	\$3.56	T&D Demand Charge	kW x	\$3.45
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanisn	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162	Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge On Peal	kWh x	\$0.04088	Commodity Energy Charge On Peal	kWh x	\$0.04088
Commodity Energy Charge Off Peak	kWh x	\$0.02288	Commodity Energy Charge Off Peal	kWh x	\$0.02288
Transmission Revenue Adjustment Charge	kWh x	(\$0.00210)	Transmission Revenue Adjustment Charge	kWh x	(\$0.00055)
Systems Benefits Charge (CES/EES)	kWh x	\$0.007122	Systems Benefits Charge (CES/EES)	kWh x	\$0.005406
			NYPA ETIP Credit	kW:	x (\$0.05)
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330	CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00051	Merchant Function Charge	kWh x	0.00060
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GI Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge, and Commodity GR

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (TRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY19 - Rate Year 1 vs. Curren

				Delivery	V			Commo	ditv			Tota		
kWh Usage On	-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
										0				
720,000	60%	2,500.0	\$12,865.93	\$13,222.90	\$356.96	2.77%	\$26,450.55	\$26,517.47	\$66.92	0.25%	\$39,316.48	\$39,740.37	\$423.88	1.08%
720,000	50%	2,500.0	\$12,865.93	\$13,222.90	\$356.96	2.77%	\$25,209.09	\$25,276.02	\$66.93	0.27%	\$38,075.02	\$38,498.92	\$423.89	1.11%
720,000	40%	2,500.0	\$12,865.93	\$13,222.90	\$356.96	2.77%	\$23,967.64	\$24,034.56	\$66.92	0.28%	\$36,833.57	\$37,257.46	\$423.88	1.15%
1,080,000	60%	2,500.0	\$13,891.44	\$14,442.79	\$551.35	3.97%	\$39,675.82	\$39,776.21	\$100.39	0.25%	\$53,567.26	\$54,219.00	\$651.74	1.22%
1,080,000	50%	2,500.0	\$13,891.44	\$14,442.79	\$551.35	3.97%	\$37,813.64	\$37,914.03	\$100.39	0.27%	\$51,705.08	\$52,356.82	\$651.74	1.26%
1,080,000	40%	2,500.0	\$13,891.44	\$14,442.79	\$551.35	3.97%	\$35,951.45	\$36,051.84	\$100.39	0.28%	\$49,842.89	\$50,494.63	\$651.74	1.31%
1,440,000	60%	2,500.0	\$14,916.95	\$15,662.69	\$745.74	5.00%	\$52,901.09	\$53,034.94	\$133.85	0.25%	\$67,818.04	\$68,697.63	\$879.59	1.30%
1,440,000	50%	2,500.0	\$14,916.95	\$15,662.69	\$745.74	5.00%	\$50,418.18	\$50,552.03	\$133.85	0.27%	\$65,335.13	\$66,214.72	\$879.59	1.35%
1,440,000	40%	2,500.0	\$14,916.95	\$15,662.69	\$745.74	5.00%	\$47,935.27	\$48,069.12	\$133.85	0.28%	\$62,852.22	\$63,731.81	\$879.59	1.40%
1,008,000	60%	3,500.0	\$16,598.17	\$16,893.07	\$294.90	1.78%	\$37,030.76	\$37,124.46	\$93.70	0.25%	\$53,628.93	\$54,017.53	\$388.60	0.72%
1,008,000	50%	3,500.0	\$16,598.17	\$16,893.07	\$294.90	1.78%	\$35,292.73	\$35,386.42	\$93.69	0.27%	\$51,890.90	\$52,279.49	\$388.59	0.75%
1,008,000	40%	3,500.0	\$16,598.17	\$16,893.07	\$294.90	1.78%	\$33,554.69	\$33,648.39	\$93.70	0.28%	\$50,152.86	\$50,541.46	\$388.60	0.77%
1,512,000	60%	3,500.0	\$18,033.88	\$18,600.92	\$567.05	3.14%	\$55,546.15	\$55,686.69	\$140.54	0.25%	\$73,580.03	\$74,287.61	\$707.59	0.96%
1,512,000	50%	3,500.0	\$18,033.88	\$18,600.92	\$567.05	3.14%	\$52,939.09	\$53,079.64	\$140.55	0.27%	\$70,972.97	\$71,680.56	\$707.60	1.00%
1,512,000	40%	3,500.0	\$18,033.88	\$18,600.92	\$567.05	3.14%	\$50,332.04	\$50,472.58	\$140.54	0.28%	\$68,365.92	\$69,073.50	\$707.59	1.03%
2,016,000	60%	3,500.0	\$19,469.58	\$20,308.78	\$839.19	4.31%	\$74,061.53	\$74,248.92	\$187.39	0.25%	\$93,531.11	\$94,557.70	\$1,026.58	1.10%
2,016,000	50%	3,500.0	\$19,469.58	\$20,308.78	\$839.19	4.31%	\$70,585,45	\$70,772.85	\$187.40	0.27%	\$90,055.03	\$91,081.63	\$1,026.59	1.14%
2,016,000	40%	3,500.0	\$19,469.58	\$20,308.78	\$839.19	4.31%	\$67,109.38	\$67,296.77	\$187.39	0.28%	\$86,578.96	\$87,605.55	\$1,026.58	1.19%
1,152,000	60%	4,000.0	\$18,464.28	\$18,728.15	\$263.87	1.43%	\$42,320.87	\$42,427.95	\$107.08	0.25%	\$60,785.15	\$61,156.10	\$370.95	0.61%
1,152,000	50%	4,000.0	\$18,464.28	\$18,728,15	\$263.87	1.43%	\$40,334.55	\$40,441.63	\$107.08	0.27%	\$58,798.83	\$59,169.78	\$370.95	0.63%
1,152,000	40%	4,000.0	\$18,464.28	\$18,728.15	\$263.87	1.43%	\$38,348.22	\$38,455.30	\$107.08	0.28%	\$56,812.50	\$57,183.45	\$370.95	0.65%
1,728,000	60%	4,000.0	\$20,105.09	\$20,679.98	\$574.89	2.86%	\$63,481.31	\$63,641.93	\$160.62	0.25%	\$83,586.40	\$84,321.91	\$735.51	0.88%
1,728,000	50%	4,000.0	\$20,105.09	\$20,679.98	\$574.89	2.86%	\$60,501.82	\$60,662.44	\$160.62	0.27%	\$80,606.91	\$81,342.42	\$735.51	0.91%
1,728,000	40%	4,000.0	\$20,105.09	\$20,679.98	\$574.89	2.86%	\$57,522.33	\$57,682.95	\$160.62	0.28%	\$77,627.42	\$78,362.93	\$735.51	0.95%
2,304,000	60%	4.000.0	\$21,745.90	\$22.631.82	\$885.92	4.07%	\$84,641.75	\$84.855.91	\$214.16	0.25%	\$106,387.65	\$107,487.73	\$1,100.08	1.03%
2,304,000	50%	4,000.0	\$21,745.90	\$22,631.82	\$885.92	4.07%	\$80,669.09	\$80,883.25	\$214.16	0.27%	\$102,414.99	\$103,515.07	\$1,100.08	1.07%
2,304,000	40%	4,000.0	\$21,745.90	\$22,631.82	\$885.92	4.07%	\$76,696.44	\$76,910.60	\$214.16	0.28%	\$98,442.34	\$99,542.42	\$1,100.08	1.12%
3,888,000	60%	11,500.0	\$48,096.83	\$48,206.25	\$109.42	0.23%	\$142,832.95	\$143,194.35	\$361.40	0.25%	\$190,929.78	\$191,400.60	\$470.82	0.25%
3,888,000	50%	11,500.0	\$48,096.83	\$48,206.25	\$109.42	0.23%	\$136,129.09	\$136,490.49	\$361.40	0.27%	\$184,225.92	\$184,696.74	\$470.82	0.26%
3,888,000	40%	11,500.0	\$48,096.83	\$48,206.25	\$109.42	0.23%	\$129,425.24	\$129,786.64	\$361.40	0.28%	\$177,522.07	\$177,992.89	\$470.82	0.27%
6,300,000	60%	12,000.0	\$56,423.64	\$57,726.68	\$1,303.04	2.31%	\$231,442.27	\$232,027.87	\$585.60	0.25%	\$287,865.91	\$289,754.55	\$1,888.64	0.66%
6,300,000	50%	12,000.0	\$56,423.64	\$57,726.68	\$1,303.04	2.31%	\$220,579.55	\$221,165.15	\$585.60	0.27%	\$277,003.19	\$278,891.83	\$1,888.64	0.68%
6,300,000	40%	12,000.0	\$56,423.64	\$57,726.68	\$1,303.04	2.31%	\$209,716.82	\$210,302.42	\$585.60	0.28%	\$266,140.46	\$268,029.10	\$1,888.64	0.71%
7,776,000	60%	13,500.0	\$64,995.96	\$66,769.63	\$1,773.68	2.73%	\$285,665.89	\$286,388.69	\$722.80	0.25%	\$350,661.85	\$353,158.32	\$2,496.48	0.71%
7,776,000	50%	13,500.0	\$64,995.96	\$66,769.63	\$1,773.68	2.73%	\$272,258.18	\$272,980.98	\$722.80	0.27%	\$337,254.14	\$339,750.61	\$2,496.48	0.74%
7,776,000	40%	13,500.0	\$64,995.96	\$66,769.63	\$1,773.68	2.73%	\$258,850.47	\$259,573.27	\$722.80	0.28%	\$323,846.43	\$326,342.90	\$2,496.48	0.77%

Current			Proposed		
Customer Charge		3,500.00	Customer Charge		\$4.007.00
T&D Demand Charge	kW x	\$2.84	T&D Demand Charge	kW x	\$2.97
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162	Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge On Peal	kWh x	\$0.03939	Commodity Energy Charge On Peal	kWh x	\$0.03939
Commodity Energy Charge Off Peal	kWh x	\$0.02232	Commodity Energy Charge Off Peak	kWh x	\$0.02232
Transmission Revenue Adjustment Charge	kWh x	(\$0.00278)	Transmission Revenue Adjustment Charge	kWh x	(\$0.00118)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.004439	Systems Benefits Charge (CEF/EES)	kWh x	\$0.003369
			NYPA ETIP Credit	kW x	(\$0.34)
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surchargo	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330	CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00051	Merchant Function Charge	kWh x	0.00060
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.99	Commodity	Bill /	0.99
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Charge and Delivery GI Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC2-SMALL GENERAL SERVICE (METERED DEMAND) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY20 - Rate Year 2 vs. Rate Year

			Deliv	ery			Commodity				Tota	ıl	
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
1,008	7.0	\$135.39	\$141.40	\$6.01	4.44%	\$40.64	\$40.64	\$0.00	0.00%	\$176.03	\$182.04	\$6.01	3.41%
1,512	7.0	\$138.90	\$144.91	\$6.01	4.33%	\$60.97	\$60.97	\$0.00	0.00%	\$199.87	\$205.88	\$6.01	3.01%
2,016	7.0	\$142.40	\$148.41	\$6.01	4.22%	\$81.29	\$81.29	\$0.00	0.00%	\$223.69	\$229.70	\$6.01	2.69%
2,520	7.0	\$145.91	\$151.92	\$6.01	4.12%	\$101.61	\$101.61	\$0.00	0.00%	\$247.52	\$253.53	\$6.01	2.43%
2,160	15.0	\$229.49	\$242.37	\$12.88	5.61%	\$87.09	\$87.09	\$0.00	0.00%	\$316.58	\$329.46	\$12.88	4.07%
3,240	15.0	\$237.00	\$249.88	\$12.88	5.43%	\$130.64	\$130.64	\$0.00	0.00%	\$367.64	\$380.52	\$12.88	3.50%
4,320	15.0	\$244.52	\$257.40	\$12.88	5.27%	\$174.19	\$174.19	\$0.00	0.00%	\$418.71	\$431.59	\$12.88	3.08%
5,400	15.0	\$252.04	\$264.92	\$12.88	5.11%	\$217.74	\$217.74	\$0.00	0.00%	\$469.78	\$482.66	\$12.88	2.74%
3,600	25.0	\$347.11	\$368.58	\$21.47	6.19%	\$145.16	\$145.16	\$0.00	0.00%	\$492.27	\$513.74	\$21.47	4.36%
5,400	25.0	\$359.64	\$381.10	\$21.46	5.97%	\$217.74	\$217.74	\$0.00	0.00%	\$577.38	\$598.84	\$21.46	3.72%
7,000	25.0	\$370.77	\$392.24	\$21.47	5.79%	\$282.25	\$282.25	\$0.00	0.00%	\$653.02	\$674.49	\$21.47	3.29%
9,000	25.0	\$384.69	\$406.16	\$21.47	5.58%	\$362.89	\$362.89	\$0.00	0.00%	\$747.58	\$769.05	\$21.47	2.87%
5,760	40.0	\$523.55	\$557.89	\$34.34	6.56%	\$232.25	\$232.25	\$0.00	0.00%	\$755.80	\$790.14	\$34.34	4.54%
8.640	40.0	\$543.59	\$577.94	\$34.35	6.32%	\$348.38	\$348.38	\$0.00	0.00%	\$891.97	\$926.32	\$34.35	3.85%
11,520	40.0	\$563.64	\$597.98	\$34.34	6.09%	\$464.50	\$464.50	\$0.00	0.00%	\$1.028.14	\$1.062.48	\$34.34	3.34%
14,400	40.0	\$583.68	\$618.02	\$34.34	5.88%	\$580.63	\$580.63	\$0.00	0.00%	\$1,164.31	\$1,198.65	\$34.34	2.95%
14,400	40.0	\$363.06	3010.02	934.34	3.0070	\$360.03	\$380.03	\$0.00	0.0078	31,104.31	\$1,176.03	\$34.54	2.9370
8,640	60.0	\$758.80	\$810.31	\$51.51	6.79%	\$348.38	\$348.38	\$0.00	0.00%	\$1,107.18	\$1,158.69	\$51.51	4.65%
12,960	60.0	\$788.86	\$840.38	\$51.52	6.53%	\$522.57	\$522.57	\$0.00	0.00%	\$1,311.43	\$1,362.95	\$51.52	3.93%
17,280	60.0	\$818.93	\$870.44	\$51.51	6.29%	\$696.75	\$696.75	\$0.00	0.00%	\$1,515.68	\$1,567.19	\$51.51	3.40%
21,600	60.0	\$848.99	\$900.51	\$51.52	6.07%	\$870.94	\$870.94	\$0.00	0.00%	\$1,719.93	\$1,771.45	\$51.52	3.00%
11,520	80.0	\$994.05	\$1.062.74	\$68.69	6.91%	\$464.50	\$464.50	\$0.00	0.00%	\$1.458.55	\$1,527.24	\$68.69	4.71%
17,280	80.0	\$1.034.13	\$1.102.82	\$68.69	6.64%	\$696.75	\$696.75	\$0.00	0.00%	\$1,730.88	\$1,799.57	\$68.69	3.97%
23,040	80.0	\$1.074.22	\$1.142.91	\$68.69	6.39%	\$929.01	\$929.01	\$0.00	0.00%	\$2,003.23	\$2,071.92	\$68.69	3.43%
28,800	80.0	\$1,114.31	\$1,182.99	\$68.68	6.16%	\$1,161.26	\$1,161.26	\$0.00	0.00%	\$2,275.57	\$2,344.25	\$68.68	3.02%
14,400	100.0	\$1,229.30	\$1,315.16	\$85.86	6.98%	\$580.63	\$580.63	\$0.00	0.00%	\$1.809.93	\$1,895.79	\$85.86	4.74%
21,600	100.0	\$1,279.41	\$1,365.26	\$85.85	6.71%	\$870.94	\$870.94	\$0.00	0.00%	\$2,150.35	\$2,236.20	\$85.85	3.99%
28,800	100.0	\$1,329.51	\$1,415.37	\$85.86	6.46%	\$1,161.26	\$1.161.26	\$0.00	0.00%	\$2,490.77	\$2,576.63	\$85.86	3.45%
36.000	100.0	\$1,379.62	\$1,465.48	\$85.86	6.22%	\$1,451.57	\$1,451.57	\$0.00	0.00%	\$2,831.19	\$2,917.05	\$85.86	3.03%

Current		Proposed	
Customer Charge	\$52.52	Customer Charge	52.52
T&D Demand Charge	kW x \$10.61	T&D Demand Charge kW	x \$11.46
Revenue Decoupling Mechanism	kW x \$0.00	Revenue Decoupling Mechanism kW	x \$0.00
Legacy Transition Charge	kWh x \$0.001189	Legacy Transition Charge kWh	x \$0.001189
Commodity Energy Charge	kWh x \$0.03565	Commodity Energy Charge kWh	x \$0.03565
Transmission Revenue Adjustment Charge	kWh x \$0.00000	Transmission Revenue Adjustment Charge kWh	x \$0.00000
Systems Benefits Charge (CEF/EES)	kWh x \$0.005701	Systems Benefits Charge (CEF/EES) kWh	x \$0.005701
NYPA ETIP Credit	kW x \$0.0	NYPA ETIP Credit	kW x \$0.00
Merchant Function Charge	kWh x \$0.00064	Merchant Function Charge kWh	x \$0.00064
Incremental State Assessment Surcharge	kW x \$0.0	Incremental State Assessment Surcharge kW	x \$0.00
DLM Surcharge	kW x \$0.0	DLM Surcharge kW	x \$0.04
CES Supply Charge	kWh x \$0.0036	CES Supply Charge kWi	x \$0.00363
CES Delivery Charge	kWh x \$0.0000	CES Delivery Charge kWI	x \$0.00000
Gross Receipts Tax		Gross Receipts Tax	
Commodity	Bill / 0.990	Commodity Bill	/ 0.9900
Delivery	Bill / 0.990	Delivery Bill	/ 0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GI Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (SECONDARY) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY20 - Rate Year 2 vs. Rate Year

			Delivery					Commodity				Tota		
kWh Usage	kW	Curr	ent Proposed	Difference	Change		Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	\$1,562.7		\$107.07	6.85%		\$1,148.75	\$1,148.75	\$0.00	0.00%	\$2,711.45	\$2,818.52	\$107.07	3.95%
36,000	100.0	\$1,612.5		\$107.07	6.64%		\$1,435.94	\$1,435.94	\$0.00	0.00%	\$3,048.46	\$3,155.53	\$107.07	3.51%
43,200	100.0	\$1,662.3		\$107.07	6.44%		\$1,723.12	\$1,723.12	\$0.00	0.00%	\$3,385.46	\$3,492.53	\$107.07	3.16%
57,600	100.0	\$1,761.9	8 \$1,869.05	\$107.07	6.08%		\$2,297.50	\$2,297.50	\$0.00	0.00%	\$4,059.48	\$4,166.55	\$107.07	2.64%
57,600	200.0	\$2,797.	1 \$2,945.60	\$148.48	5.31%		\$2,297.50	\$2,297.50	\$0.00	0.00%	\$5,094.61	\$5,243.10	\$148.48	2.91%
72,000	200.0	\$2,896.	5 \$3,045.24	\$148.48	5.13%		\$2,871.87	\$2,871.87	\$0.00	0.00%	\$5,768.62	\$5,917.11	\$148.48	2.57%
86,400	200.0	\$2,996.3	9 \$3,144.88	\$148.48	4.96%		\$3,446.24	\$3,446.24	\$0.00	0.00%	\$6,442.63	\$6,591.12	\$148.48	2.30%
115,200	200.0	\$3,195.0	7 \$3,344.16	\$148.48	4.65%		\$4,594.99	\$4,594.99	\$0.00	0.00%	\$7,790.66	\$7,939.15	\$148.48	1.91%
72,000	250.0	\$3,414.3	2 \$3,583.51	\$169.19	4.96%		\$2,871.87	\$2,871.87	\$0.00	0.00%	\$6,286.19	\$6,455.38	\$169.19	2.69%
90,000	250.0	\$3,538.8	7 \$3,708.06	\$169.19	4.78%		\$3,589.84	\$3,589.84	\$0.00	0.00%	\$7,128.71	\$7,297.90	\$169.19	2.37%
100,000	250.0	\$3,608.0	7 \$3,777.26	\$169.19	4.69%		\$3,988.71	\$3,988.71	\$0.00	0.00%	\$7,596.78	\$7,765.97	\$169.19	2.23%
144,000	250.0	\$3,912.5	2 \$4,081.71	\$169.19	4.32%		\$5,743.74	\$5,743.74	\$0.00	0.00%	\$9,656.26	\$9,825.45	\$169.19	1.75%
144,000	500.0	\$6.500.3	6 \$6,773.09	\$272.73	4.20%		\$5.743.74	\$5,743,74	\$0.00	0.00%	\$12.244.10	\$12,516.83	\$272.73	2.23%
180,000	500.0	\$6,749.4		\$272.73	4.04%		\$7.179.68	\$7,179.68	\$0.00	0.00%	\$13,929.14	\$14,201.87	\$272.73	1.96%
216,000	500.0	\$6,998.5		\$272.73	3.90%		\$8,615.61	\$8,615.61	\$0.00	0.00%	\$15,614.17	\$15,886.90	\$272.73	1.75%
288,000	500.0	\$7,496.		\$272.73	3.64%		\$11,487.48	\$11,487.48	\$0.00	0.00%	\$18,984.24	\$19,256.97	\$272.73	1.44%
216,000	750.0	\$9.586.4	0 \$9.962.66	\$376.26	3.92%		\$8.615.61	\$8,615.61	\$0.00	0.00%	\$18.202.01	\$18.578.27	\$376.26	2.07%
270,000	750.0	\$9,960.0		\$376.26	3.78%		\$10,769.51	\$10.769.51	\$0.00	0.00%	\$20,729.56	\$21,105.82	\$376.26	1.82%
324,000	750.0	\$10,333.		\$376.26	3.64%		\$12,923.42	\$12,923.42	\$0.00	0.00%	\$23,257.12	\$23,633.38	\$376.26	1.62%
432,000	750.0	\$11,081.0		\$376.26	3.40%			\$17,231.22	\$0.00	0.00%	\$28,312.22	\$28,688.48	\$376.26	1.33%
432,000	1,500.0	\$18.844.5	2 \$19.531.39	\$686.87	3.64%		\$17.231.22	\$17.231.22	\$0.00	0.00%	\$36.075.74	\$36.762.61	\$686.87	1.90%
540,000	1,500.0	\$19,591.8		\$686.87	3.51%		\$21.539.03	\$21.539.03	\$0.00	0.00%	\$41.130.85	\$41,817.72	\$686.87	1.67%
648,000	1,500.0	\$20,339.1		\$686.87	3.38%		\$21,339.03	\$25,846.83	\$0.00	0.00%	\$46.185.95	\$46,872.82	\$686.87	1.49%
864,000	1,500.0	\$21,833.7		\$686.87	3.15%		\$34,462.44	\$34,462.44	\$0.00	0.00%	\$56,296.16	\$56,983.03	\$686.87	1.22%
576 000	2 000 0	625.016	0 625.010.54	6002.04	2.570/		622.074.06	#22.074.0 <i>C</i>	60.00	0.000/	647.001.56	£40.005.50	6002.04	1.060/
576,000	2,000.0	\$25,016.6		\$893.94	3.57%		\$22,974.96	\$22,974.96	\$0.00	0.00%	\$47,991.56	\$48,885.50	\$893.94	1.86%
720,000	2,000.0	\$26,013.0		\$893.94	3.44%		\$28,718.70	\$28,718.70	\$0.00	0.00%	\$54,731.70	\$55,625.64	\$893.94	1.63%
864,000	2,000.0	\$27,009.4		\$893.94	3.31%		\$34,462.44	\$34,462.44	\$0.00	0.00%	\$61,471.84	\$62,365.78	\$893.94	1.45%
1,152,000	2,000.0	\$29,002.2	0 \$29,896.14	\$893.94	3.08%		\$45,949.93	\$45,949.93	\$0.00	0.00%	\$74,952.13	\$75,846.07	\$893.94	1.19%

Current			<u>Proposed</u>		
Customer Charge		\$325.00	Customer Charge		390.00
T&D Demand Charge	kW x	\$10.21	T&D Demand Charge	kW x	\$10.62
Revenue Decoupling Mechanisn	kW x	\$0.00	Revenue Decoupling Mechanisn	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189	Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03522	Commodity Energy Charge	kWh x	\$0.03522
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005661	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005661
NYPA ETIP Credit	kW x	(0.005)	NYPA ETIP Credit	kW x	(\$0.005)
Merchant Function Charge	kWh x	\$0.00064	Merchant Function Charge	kWh x	\$0.00064
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363	CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GF Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (PRIMARY) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY20 - Rate Year 2 vs. Rate Year

			Deliver	у			Commod	lity			Total		
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	\$1,505.20	\$1,565.80	\$60.61	4.03%	\$1,114.71	\$1,114.71	\$0.00	0.00%	\$2,619.91	\$2,680.51	\$60.61	2.31%
36,000	100.0	\$1,553.55	\$1,614.15	\$60.61	3.90%	\$1,393.39	\$1,393.39	\$0.00	0.00%	\$2,946.94	\$3,007.54	\$60.61	2.06%
43,200	100.0	\$1,601.90	\$1,662.51	\$60.61	3.78%	\$1,672.07	\$1,672.07	\$0.00	0.00%	\$3,273.97	\$3,334.58	\$60.61	1.85%
57,600	100.0	\$1,698.61	\$1,759.21	\$60.61	3.57%	\$2,229.42	\$2,229.42	\$0.00	0.00%	\$3,928.03	\$3,988.63	\$60.61	1.54%
57,600	200.0	\$2,569.28	\$2,690.49	\$121.21	4.72%	\$2,229.42	\$2,229.42	\$0.00	0.00%	\$4,798.70	\$4,919.91	\$121.21	2.53%
72,000	200.0	\$2,665.99	\$2,787.20	\$121.21	4.55%	\$2,786.78	\$2,786.78	\$0.00	0.00%	\$5,452.77	\$5,573.98	\$121.21	2.22%
86,400	200.0	\$2,762.69	\$2,883.91	\$121.21	4.39%	\$3,344.14	\$3,344.14	\$0.00	0.00%	\$6,106.83	\$6,228.05	\$121.21	1.98%
115,200	200.0	\$2,956.11	\$3,077.32	\$121.21	4.10%	\$4,458.85	\$4,458.85	\$0.00	0.00%	\$7,414.96	\$7,536.17	\$121.21	1.63%
72,000	250.0	\$3,101.32	\$3,252.84	\$151.52	4.89%	\$2,786.78	\$2,786.78	\$0.00	0.00%	\$5,888.10	\$6,039.62	\$151.52	2.57%
90,000	250.0	\$3,222.21	\$3,373.72	\$151.52	4.70%	\$3,483.47	\$3,483.47	\$0.00	0.00%	\$6,705.68	\$6,857.19	\$151.52	2.26%
108,000	250.0	\$3,343.09	\$3,494.60	\$151.52	4.53%	\$4,180.17	\$4,180.17	\$0.00	0.00%	\$7,523.26	\$7,674.77	\$151.52	2.01%
144,000	250.0	\$3,584.85	\$3,736.37	\$151.52	4.23%	\$5,573.56	\$5,573.56	\$0.00	0.00%	\$9,158.41	\$9,309.93	\$151.52	1.65%
144,000	500.0	\$5,761.53	\$6,064.56	\$303.03	5.26%	\$5,573.56	\$5,573.56	\$0.00	0.00%	\$11,335.09	\$11,638.12	\$303.03	2.67%
180,000	500.0	\$6,003.30	\$6,306.33	\$303.03	5.05%	\$6,966.95	\$6,966.95	\$0.00	0.00%	\$12,970.25	\$13,273.28	\$303.03	2.34%
225,000	500.0	\$6,305.51	\$6,608.54	\$303.03	4.81%	\$8,708.69	\$8,708.69	\$0.00	0.00%	\$15,014.20	\$15,317.23	\$303.03	2.02%
288,000	500.0	\$6,728.60	\$7,031.63	\$303.03	4.50%	\$11,147.12	\$11,147.12	\$0.00	0.00%	\$17,875.72	\$18,178.75	\$303.03	1.70%
216,000	750.0	\$8,421.75	\$8,876.29	\$454.55	5.40%	\$8,360.34	\$8,360.34	\$0.00	0.00%	\$16,782.09	\$17,236.63	\$454.55	2.71%
270,000	750.0	\$8,784.39	\$9,238.94	\$454.55	5.17%	\$10,450.42	\$10,450.42	\$0.00	0.00%	\$19,234.81	\$19,689.36	\$454.55	2.36%
324,000	750.0	\$9,147.04	\$9,601.59	\$454.55	4.97%	\$12,540.51	\$12,540.51	\$0.00	0.00%	\$21,687.55	\$22,142.10	\$454.55	2.10%
432,000	750.0	\$9,872.34	\$10,326.89	\$454.55	4.60%	\$16,720.68	\$16,720.68	\$0.00	0.00%	\$26,593.02	\$27,047.57	\$454.55	1.71%
432,000	1,500.0	\$16,402.38	\$17,311.47	\$909.09	5.54%	\$16,720.68	\$16,720.68	\$0.00	0.00%	\$33,123.06	\$34,032.15	\$909.09	2.74%
540,000	1,500.0	\$17,127.68	\$18,036.77	\$909.09	5.31%	\$20,900.85	\$20,900.85	\$0.00	0.00%	\$38,028.53	\$38,937.62	\$909.09	2.39%
648,000	1,500.0	\$17,852.98	\$18,762.07	\$909.09	5.09%	\$25,081.02	\$25,081.02	\$0.00	0.00%	\$42,934.00	\$43,843.09	\$909.09	2.12%
864,000	1,500.0	\$19,303.57	\$20,212.66	\$909.09	4.71%	\$33,441.35	\$33,441.35	\$0.00	0.00%	\$52,744.92	\$53,654.01	\$909.09	1.72%
576,000	2,000.0	\$21,722.80	\$22,934.92	\$1,212.12	5.58%	\$22,294.24	\$22,294.24	\$0.00	0.00%	\$44,017.04	\$45,229.16	\$1,212.12	2.75%
720,000	2,000.0	\$22,689.87	\$23,901.99	\$1,212.12	5.34%	\$27,867.80	\$27,867.80	\$0.00	0.00%	\$50,557.67	\$51,769.79	\$1,212.12	2.40%
864,000	2,000.0	\$23,656.93	\$24,869.05	\$1,212.12	5.12%	\$33,441.35	\$33,441.35	\$0.00	0.00%	\$57,098.28	\$58,310.40	\$1,212.12	2.12%
1,152,000	2,000.0	\$25,591.06	\$26,803.18	\$1,212.12	4.74%	\$44,588.47	\$44,588.47	\$0.00	0.00%	\$70,179.53	\$71,391.65	\$1,212.12	1.73%

Current			Proposed		
Customer Charge		\$436.70	Customer Charge		436.70
T&D Demand Charge	kW x	\$8.61	T&D Demand Charge	kW x	\$9.21
Revenue Decoupling Mechanisn	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189	Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03405	Commodity Energy Charge	kWh x	\$0.03405
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005460	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005460
NYPA ETIP Credit	kW x	(\$0.03)	NYPA ETIP Credit	kW x	(\$0.03)
Merchant Function Charge	kWh x	\$0.00064	Merchant Function Charge	kWh x	\$0.00064
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363	CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GI Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charage and Commodity GR

## NIAGARA MOHAWK POWER CORPORATION d'b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY20 - Rate Year 2 vs. Rate Year

		Delivery					Commodity				Total		
kWh Usage	kW	Current	Proposed	Difference	Change	Curren	t Proposed	Difference	Change	Current	Proposed	Difference	Change
													I.
28,800	100.0	\$1,072.05	\$1,159.93	\$87.88	8.20%	\$1,091.15	\$1,091.15	\$0.00	0.00%	\$2,163.20	\$2,251.08	\$87.88	4.06%
36,000	100.0	\$1,113.48	\$1,201.35	\$87.88	7.89%	\$1,363.94	\$1,363.94	\$0.00	0.00%	\$2,477.42	\$2,565.29	\$87.88	3.55%
43,200	100.0	\$1,154.90	\$1,242.78	\$87.88	7.61%	\$1,636.72	\$1,636.72	\$0.00	0.00%	\$2,791.62	\$2,879.50	\$87.88	3.15%
57,600	100.0	\$1,237.75	\$1,325.63	\$87.88	7.10%	\$2,182.30	\$2,182.30	\$0.00	0.00%	\$3,420.05	\$3,507.93	\$87.88	2.57%
													l.
57,600	200.0	\$1,498.65	\$1,600.67	\$102.02	6.81%	\$2,182.30	\$2,182.30	\$0.00	0.00%	\$3,680.95	\$3,782.97	\$102.02	2.77%
72,000	200.0	\$1,581.50	\$1,683.52	\$102.02	6.45%	\$2,727.87	\$2,727.87	\$0.00	0.00%	\$4,309.37	\$4,411.39	\$102.02	2.37%
86,400	200.0	\$1,664.34	\$1,766.36	\$102.02	6.13%	\$3,273.44	\$3,273.44	\$0.00	0.00%	\$4,937.78	\$5,039.80	\$102.02	2.07%
115,200	200.0	\$1,830.04	\$1,932.06	\$102.02	5.57%	\$4,364.59	\$4,364.59	\$0.00	0.00%	\$6,194.63	\$6,296.65	\$102.02	1.65%
													l.
72,000	250.0	\$1,711.95	\$1,821.04	\$109.09	6.37%	\$2,727.87	\$2,727.87	\$0.00	0.00%	\$4,439.82	\$4,548.91	\$109.09	2.46%
90,000	250.0	\$1,815.51	\$1,924.60	\$109.09	6.01%	\$3,409.84	\$3,409.84	\$0.00	0.00%	\$5,225.35	\$5,334.44	\$109.09	2.09%
108,000	250.0	\$1,919.07	\$2,028.16	\$109.09	5.68%	\$4,091.81	\$4,091.81	\$0.00	0.00%	\$6,010.88	\$6,119.97	\$109.09	1.81%
144,000	250.0	\$2,126.18	\$2,235.28	\$109.09	5.13%	\$5,455.74	\$5,455.74	\$0.00	0.00%	\$7,581.92	\$7,691.02	\$109.09	1.44%
													l.
144,000	500.0	\$2,778.44	\$2,922.89	\$144.44	5.20%	\$5,455.74	\$5,455.74	\$0.00	0.00%	\$8,234.18	\$8,378.63	\$144.44	1.75%
180,000	500.0	\$2,985.56	\$3,130.01	\$144.44	4.84%	\$6,819.68	\$6,819.68	\$0.00	0.00%	\$9,805.24	\$9,949.69	\$144.44	1.47%
216,000	500.0	\$3,192.68	\$3,337.12	\$144.44	4.52%	\$8,183.61	\$8,183.61	\$0.00	0.00%	\$11,376.29	\$11,520.73	\$144.44	1.27%
288,000	500.0	\$3,606.91	\$3,751.36	\$144.44	4.00%	\$10,911.48	\$10,911.48	\$0.00	0.00%	\$14,518.39	\$14,662.84	\$144.44	0.99%
													l.
216,000	800.0	\$3,975.39	\$4,162.26	\$186.87	4.70%	\$8,183.61	\$8,183.61	\$0.00	0.00%	\$12,159.00	, ,	\$186.87	1.54%
270,000	800.0	\$4,286.07	\$4,472.94	\$186.87	4.36%	\$10,229.51		\$0.00	0.00%	\$14,515.58		\$186.87	1.29%
320,000	800.0	\$4,573.73	\$4,760.60	\$186.87	4.09%	\$12,123.87		\$0.00	0.00%	\$16,697.60		\$186.87	1.12%
432,000	800.0	\$5,218.10	\$5,404.97	\$186.87	3.58%	\$16,367.22	\$16,367.22	\$0.00	0.00%	\$21,585.32	\$21,772.19	\$186.87	0.87%
													l.
432,000	1,500.0	\$7,044.42	\$7,330.28	\$285.86	4.06%	\$16,367.22		\$0.00	0.00%	\$23,411.64	\$23,697.50	\$285.86	1.22%
540,000	1,500.0	\$7,665.77	\$7,951.63	\$285.86	3.73%	\$20,459.03	\$20,459.03	\$0.00	0.00%	\$28,124.80	\$28,410.66	\$285.86	1.02%
648,000	1,500.0	\$8,287.13	\$8,572.99	\$285.86	3.45%	\$24,550.83		\$0.00	0.00%	\$32,837.96		\$285.86	0.87%
864,000	1,500.0	\$9,529.84	\$9,815.69	\$285.86	3.00%	\$32,734.44	\$32,734.44	\$0.00	0.00%	\$42,264.28	\$42,550.13	\$285.86	0.68%
		1.				1.							l.
576,000	2,000.0	\$9,177.41	\$9,533.98	\$356.57	3.89%	\$21,822.96		\$0.00	0.00%	\$31,000.37	\$31,356.94	\$356.57	1.15%
720,000	2,000.0		\$10,362.45	\$356.57	3.56%	\$27,278.70		\$0.00	0.00%		\$37,641.15	\$356.57	0.96%
864,000	2,000.0	\$10,834.35		\$356.57	3.29%	\$32,734.44		\$0.00	0.00%	\$43,568.79	\$43,925.36	\$356.57	0.82%
1,152,000	2,000.0	\$12,491.30	\$12,847.86	\$356.57	2.85%	\$43,645.93	\$43,645.93	\$0.00	0.00%	\$56,137.23	\$56,493.79	\$356.57	0.64%

Current			Proposed		
Customer Charge		\$639.00	Customer Charge		\$712.00
T&D Demand Charge	kW x	\$2.68	T&D Demand Charge	kW x	\$2.82
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanisn	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189	Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03324	Commodity Energy Charge	kWh x	\$0.03324
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.004507	Systems Benefits Charge (CEF/EES)	kWh x	\$0.004507
NYPA ETIP Credit	kW x	(\$0.14)	NYPA ETIP Credit	kW x	(\$0.14)
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363	CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00064	Merchant Function Charge	kWh x	\$0.00064
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GI Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (TRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY20 - Rate Year 2 vs. Rate Year

			Delive			Commodity					Total		
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	\$1,055.05	\$1,142.93	\$87.88	8.33%	\$1,102.78	\$1,102.78	\$0.00	0.00%	\$2,157.83	\$2,245.71	\$87.88	4.07%
36,000	100.0	\$1,093.45	\$1,181.33	\$87.88	8.04%	\$1,378.48	\$1,378.48	\$0.00	0.00%	\$2,471.93	\$2,559.81	\$87.88	3.56%
43,200	100.0	\$1,131.85	\$1,219.73	\$87.88	7.76%	\$1,654.18	\$1,654.18	\$0.00	0.00%	\$2,786.03	\$2,873.91	\$87.88	3.15%
57,600	100.0	\$1,208.65	\$1,296.53	\$87.88	7.27%	\$2,205.57	\$2,205.57	\$0.00	0.00%	\$3,414.22	\$3,502.10	\$87.88	2.57%
57,600	200.0	\$1,464.64	\$1,566.66	\$102.02	6.97%	\$2,205.57	\$2,205.57	\$0.00	0.00%	\$3,670.21	\$3,772.23	\$102.02	2.78%
72,000	200.0	\$1,541.44	\$1,643.46	\$102.02	6.62%	\$2,756.96	\$2,756.96	\$0.00	0.00%	\$4,298.40	\$4,400.42	\$102.02	2.37%
86,400	200.0	\$1,618.24	\$1,720.26	\$102.02	6.30%	\$3,308.35	\$3,308.35	\$0.00	0.00%	\$4,926.59	\$5,028.61	\$102.02	2.07%
115,200	200.0	\$1,771.84	\$1,873.86	\$102.02	5.76%	\$4,411.14	\$4,411.14	\$0.00	0.00%	\$6,182.98	\$6,285.00	\$102.02	1.65%
72,000	250.0	\$1,669.43	\$1,778.53	\$109.09	6.53%	\$2,756.96	\$2,756.96	\$0.00	0.00%	\$4,426.39	\$4,535.49	\$109.09	2.46%
90,000	250.0	\$1,765.44	\$1,874.53	\$109.09	6.18%	\$3,446.20	\$3,446.20	\$0.00	0.00%	\$5,211.64	\$5,320.73	\$109.09	2.09%
108,000	250.0	\$1,861.44	\$1,970.53	\$109.09	5.86%	\$4,135.44	\$4,135.44	\$0.00	0.00%	\$5,996.88	\$6,105.97	\$109.09	1.82%
144,000	250.0	\$2,053.44	\$2,162.53	\$109.09	5.31%	\$5,513.92	\$5,513.92	\$0.00	0.00%	\$7,567.36	\$7,676.45	\$109.09	1.44%
144,000	500.0	\$2,693,41	\$2.837.86	\$144.44	5.36%	\$5.513.92	\$5.513.92	\$0.00	0.00%	\$8,207.33	\$8.351.78	\$144.44	1.76%
180,000	500.0	\$2,885.42	\$3,029.86	\$144.44	5.01%	\$6,892.40	\$6,892.40	\$0.00	0.00%	\$9,777.82	\$9,922.26	\$144.44	1.48%
216,000	500.0	\$3,077.42	\$3,221.86	\$144.44	4.69%	\$8,270.88	\$8,270.88	\$0.00	0.00%	\$11,348.30	\$11,492.74	\$144.44	1.27%
288,000	500.0	\$3,461.43	\$3,605.87	\$144.44	4.17%	\$11,027.85	\$11,027.85	\$0.00	0.00%	\$14,489.28	\$14,633.72	\$144.44	1.00%
216,000	800.0	\$3,845.39	\$4.032.26	\$186.87	4.86%	\$8.270.88	\$8.270.88	\$0.00	0.00%	\$12.116.27	\$12.303.14	\$186.87	1.54%
270,000	800.0	\$4,133.39	\$4,320.26	\$186.87	4.52%	\$10.338.60	\$10,338.60	\$0.00	0.00%	\$14,471.99	\$14,658.86	\$186.87	1.29%
320,000	800.0	\$4,400.06	\$4,586.93	\$186.87	4.25%	\$12,253.16	\$12,253.16	\$0.00	0.00%	\$16,653.22	\$16,840.09	\$186.87	1.12%
432,000	800.0	\$4,997.41	\$5,184.28	\$186.87	3.74%	\$16,541.77	\$16,541.77	\$0.00	0.00%	\$21,539.18	\$21,726.05	\$186.87	0.87%
432,000	1,500.0	\$6,789.33	\$7.075.19	\$285.86	4.21%	\$16.541.77	\$16.541.77	\$0.00	0.00%	\$23.331.10	\$23.616.96	\$285.86	1.23%
540,000	1.500.0	\$7,365.34	\$7,651.20	\$285.86	3.88%	\$20,677.21	\$20,677.21	\$0.00	0.00%	\$28,042.55	\$28,328.41	\$285.86	1.02%
648,000	1,500.0	\$7,941.35	\$8,227.21	\$285.86	3.60%	\$24.812.65	\$24,812.65	\$0.00	0.00%	\$32,754.00	\$33,039.86	\$285.86	0.87%
864,000	1,500.0	\$9,093.37	\$9,379.23	\$285.86	3.14%	\$33,083.54	\$33,083.54	\$0.00	0.00%	\$42,176.91	\$42,462.77	\$285.86	0.68%
576,000	2.000.0	\$8,837.29	\$9.193.86	\$356.57	4.03%	\$22,055,69	\$22.055.69	\$0.00	0.00%	\$30.892.98	\$31.249.55	\$356.57	1.15%
720.000	2,000.0	\$9,605.30	\$9,961.87	\$356.57	3.71%	\$27,569.61	\$27,569.61	\$0.00	0.00%	\$37,174.91	\$37,531.48	\$356.57	0.96%
864,000	2,000.0	\$10.373.32	\$10,729.88	\$356.57	3.44%	\$33.083.54	\$33.083.54	\$0.00	0.00%	\$43,456.86	\$43,813.42	\$356.57	0.82%
1,152,000	2,000.0	\$11,909.34	\$12,265.91	\$356.57	2.99%	\$44,111.38	\$44,111.38	\$0.00	0.00%	\$56,020.72	\$56,377.29	\$356.57	0.64%
1,152,000	2,000.0	911,707.34	Ψ12,203.91	9550.57	2.99/0	977,111.30	y++,111.J0	\$0.00	0.0070	\$50,020.72	950,511.29	4550.57	0.0470

Current		Proposed		
Customer Charge	\$639.00	Customer Charge		712.00
T&D Demand Charge	kW x \$2.68	T&D Demand Charge	kW x	\$2.82
Revenue Decoupling Mechanism	kW x \$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x \$0.001189	Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x \$0.03364	Commodity Energy Charge	kWh x	\$0.03364
Transmission Revenue Adjustment Charge	kWh x \$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x \$0.004091	Systems Benefits Charge (CEF/EES)	kWh x	\$0.004091
NYPA ETIP Credit	kW x (\$0.19)	NYPA ETIP Credit	kW x	(\$0.19)
Incremental State Assessment Surcharge	kW x \$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x \$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x \$0.003628	CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x \$0.000000	CES Delivery Charge	kWh x	\$0.000000
Merchant Function Charge	kWh x \$0.00064	Merchant Function Charge	kWh x	0.00064
Gross Receipts Tax		Gross Receipts Tax		
Commodity	Bill / 0.9900	Commodity	Bill /	0.9900
Delivery	Bill / 0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Chargeand Delivery GF Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (SECONDARY) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY20 - Rate Year 2 vs. Rate Year

				Deliver	ry			Commo	dity			Total	I	
kWh Usage On	n-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	\$30,657.37	\$32,332.47	\$1,675.09	5.46%	\$28,922.34	\$28,922.34	\$0.00	0.00%	\$59,579.71	\$61,254.81	\$1,675.09	2.81%
720,000	50%	2,500.0	\$30,657.37	\$32,332.47	\$1,675.09	5.46%	\$27,485.98	\$27,485.98	\$0.00	0.00%	\$58,143.35	\$59,818.45	\$1,675.09	2.88%
720,000	40%	2,500.0	\$30,657.37	\$32,332.47	\$1,675.09	5.46%	\$26,049.61	\$26,049.61	\$0.00	0.00%	\$56,706.98	\$58,382.08	\$1,675.09	2.95%
1,250,000	60%	2,500.0	\$34,345.89	\$36,020.98	\$1,675.09	4.88%	\$50,212.40	\$50,212.40	\$0.00	0.00%	\$84,558.29	\$86,233.38	\$1,675.09	1.98%
1,250,000	50%	2,500.0	\$34,345.89	\$36,020.98	\$1,675.09	4.88%	\$47,718.71	\$47,718.71	\$0.00	0.00%	\$82,064.60	\$83,739.69	\$1,675.09	2.04%
1,250,000	40%	2,500.0	\$34,345.89	\$36,020.98	\$1,675.09	4.88%	\$45,225.02	\$45,225.02	\$0.00	0.00%	\$79,570.91	\$81,246.00	\$1,675.09	2.11%
1,440,000	60%	2,500.0	\$35,668.18	\$37,343.27	\$1,675.09	4.70%	\$57,844.68	\$57,844.68	\$0.00	0.00%	\$93,512.86	\$95,187.95	\$1,675.09	1.79%
1,440,000	50%	2,500.0	\$35,668.18	\$37,343.27	\$1,675.09	4.70%	\$54,971.95	\$54,971.95	\$0.00	0.00%	\$90,640.13	\$92,315.22	\$1,675.09	1.85%
1,440,000	40%	2,500.0	\$35,668.18	\$37,343.27	\$1,675.09	4.70%	\$52,099.23	\$52,099.23	\$0.00	0.00%	\$87,767.41	\$89,442.50	\$1,675.09	1.91%
1,008,000	60%	3,500.0	\$42,381.61	\$44,592.05	\$2,210.44	5.22%	\$40,491.28	\$40,491.28	\$0.00	0.00%	\$82,872.89	\$85,083.33	\$2,210.44	2.67%
1,008,000	50%	3,500.0	\$42,381.61	\$44,592.05	\$2,210.44	5.22%	\$38,480.37	\$38,480.37	\$0.00	0.00%	\$80,861.98	\$83,072.42	\$2,210.44	2.73%
1,008,000	40%	3,500.0	\$42,381.61	\$44,592.05	\$2,210.44	5.22%	\$36,469.46	\$36,469.46	\$0.00	0.00%	\$78,851.07	\$81,061.51	\$2,210.44	2.80%
1,512,000	60%	3,500.0	\$45,889.17	\$48,099.62	\$2,210.44	4.82%	\$60,736.92	\$60,736.92	\$0.00	0.00%	\$106,626.09	\$108,836.54	\$2,210.44	2.07%
1,512,000	50%	3,500.0	\$45,889.17	\$48,099.62	\$2,210.44	4.82%	\$57,720.55	\$57,720.55	\$0.00	0.00%	\$103,609.72	\$105,820.17	\$2,210.44	2.13%
1,512,000	40%	3,500.0	\$45,889.17	\$48,099.62	\$2,210.44	4.82%	\$54,704.19	\$54,704.19	\$0.00	0.00%	\$100,593.36	\$102,803.81	\$2,210.44	2.20%
2,016,000	60%	3,500.0	\$49,396.74	\$51,607.18	\$2,210.44	4.47%	\$80,982.55	\$80,982.55	\$0.00	0.00%	\$130,379.29	\$132,589.73	\$2,210.44	1.70%
2,016,000	50%	3,500.0	\$49,396.74	\$51,607.18	\$2,210.44	4.47%	\$76,960.74	\$76,960.74	\$0.00	0.00%	\$126,357.48	\$128,567.92	\$2,210.44	1.75%
2,016,000	40%	3,500.0	\$49,396.74	\$51,607.18	\$2,210.44	4.47%	\$72,938.92	\$72,938.92	\$0.00	0.00%	\$122,335.66	\$124,546.10	\$2,210.44	1.81%
1,152,000	60%	4,000.0	\$48,243.72	\$50,721.84	\$2,478.12	5.14%	\$46,275.74	\$46,275.74	\$0.00	0.00%	\$94,519.46	\$96,997.58	\$2,478.12	2.62%
1,152,000	50%	4,000.0	\$48,243.72	\$50,721.84	\$2,478.12	5.14%	\$43,977.56	\$43,977.56	\$0.00	0.00%	\$92,221.28	\$94,699.40	\$2,478.12	2.69%
1,152,000	40%	4,000.0	\$48,243.72	\$50,721.84	\$2,478.12	5.14%	\$41,679.38	\$41,679.38	\$0.00	0.00%	\$89,923.10	\$92,401.22	\$2,478.12	2.76%
1,728,000	60%	4.000.0	\$52,252.37	\$54,730.49	\$2,478.12	4.74%	\$69,413.62	\$69,413.62	\$0.00	0.00%	\$121,665.99	\$124.144.11	\$2,478.12	2.04%
1,728,000	50%	4,000.0	\$52,252.37	\$54,730.49	\$2,478.12	4.74%	\$65,966.34	\$65,966.34	\$0.00	0.00%	\$118,218.71	\$120,696.83	\$2,478.12	2.10%
1,728,000	40%	4,000.0	\$52,252.37	\$54,730.49	\$2,478.12	4.74%	\$62,519.07	\$62,519.07	\$0.00	0.00%	\$114,771.44	\$117,249.56	\$2,478.12	2.16%
2,304,000	60%	4,000.0	\$56,261.01	\$58,739.14	\$2,478.12	4.40%	\$92,551.49	\$92,551.49	\$0.00	0.00%	\$148,812.50	\$151,290.63	\$2,478.12	1.67%
2,304,000	50%	4,000.0	\$56,261.01	\$58,739.14	\$2,478.12	4.40%	\$87,955.13	\$87,955.13	\$0.00	0.00%	\$144,216.14	\$146,694.27	\$2,478.12	1.72%
2,304,000	40%	4,000.0	\$56,261.01	\$58,739.14	\$2,478.12	4.40%	\$83,358.76	\$83,358.76	\$0.00	0.00%	\$139,619.77	\$142,097.90	\$2,478.12	1.77%
3,888,000	60%	13,500.0	\$159,623.91	\$167,187.89	\$7,563.98	4.74%	\$156,180.64	\$156,180.64	\$0.00	0.00%	\$315,804.55	\$323,368.53	\$7,563.98	2.40%
3,888,000	50%	13,500.0	\$159,623.91	\$167,187.89	\$7,563.98	4.74%	\$148,424.28	\$148,424.28	\$0.00	0.00%	\$308,048.19	\$315,612.17	\$7,563.98	2.46%
3,888,000	40%	13,500.0	\$159,623.91	\$167,187.89	\$7,563.98	4.74%	\$140,667.91	\$140,667.91	\$0.00	0.00%	\$300,291.82	\$307,855.80	\$7,563.98	2.52%
5,832,000	60%	13,500.0	\$173,153.09	\$180,717.07	\$7,563.98	4.37%	\$234,270.96	\$234,270.96	\$0.00	0.00%	\$407,424.05	\$414,988.03	\$7,563.98	1.86%
5,832,000	50%	13,500.0	\$173,153.09	\$180,717.07	\$7,563.98	4.37%	\$222,636.41	\$222,636.41	\$0.00	0.00%	\$395,789.50	\$403,353.48	\$7,563.98	1.91%
5,832,000	40%	13,500.0	\$173,153.09	\$180,717.07	\$7,563.98	4.37%	\$211,001.87	\$211,001.87	\$0.00	0.00%	\$384,154.96	\$391,718.94	\$7,563.98	1.97%
7,776,000	60%	13,500.0	\$186.682.28	\$194,246.26	\$7,563.98	4.05%	\$312.361.28	\$312,361.28	\$0.00	0.00%	\$499.043.56	\$506,607.54	\$7,563.98	1.52%
7,776,000	50%	13,500.0	\$186,682.28	\$194,246.26	\$7,563.98	4.05%	\$296,848.55	\$296,848.55	\$0.00	0.00%	\$483,530.83	\$491,094.81	\$7,563.98	1.56%
7,776,000	40%	13,500.0	\$186,682.28		\$7,563.98	4.05%	\$281,335.82	\$281,335.82	\$0.00	0.00%	\$468,018.10	\$475,582.08	\$7,563.98	1.62%
7,770,000	40%	13,300.0	\$180,082.28	\$194,240.26	\$1,303.98	4.05%	\$281,333.82	\$481,333.82	\$0.00	0.00%	\$408,018.10	\$473,38Z.U8	\$1,505.98	1.02%

Current			<u>Proposed</u>		
Customer Charge		\$1,333.33	Customer Charge		1,666.67
T&D Demand Charge	kW x	\$9.58	T&D Demand Charge	kW x	\$10.11
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189	Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge On Peal	kWh x	\$0.04340	Commodity Energy Charge On Peal	kWh x	\$0.04340
Commodity Energy Charge Off Peal	kWh x	\$0.02365	Commodity Energy Charge Off Peal	kWh x	\$0.02365
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
NYPA ETIP Credit	kW x	\$0.00	NYPA ETIP Credit	kW x	\$0.00
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363	CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00064	Merchant Function Charge	kWh x	0.00064
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Deferral Recovery, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery G Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (PRIMARY) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY20 - Rate Year 2 vs. Rate Year

Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Table   Tabl					Delive	ry			Commo	dity			Total		
To be compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compared to the compar	kWh Usage On	-Peak Pct	kW	Curren	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
\$\begin{array}{c c c c c c c c c c c c c c c c c c c															
1250,000															2.93%
1250,000															3.00%
1,250,000   50%   2,500.0   \$31,799.76   \$33,474.85   \$1,675.09   \$2.7%   \$46,658.10   \$0.00   0.00%   \$78,457.86   \$80,132.95   \$1,675.09   \$2.00   \$1,440,000   60%   2,500.0   \$32,824.23   \$34,499.32   \$1,675.09   \$5.10%   \$55,578   \$43,680.0   \$0.00   \$0.00%   \$86,574.37   \$88,294.66   \$1,675.09   \$1.00   \$1,440,000   50%   2,500.0   \$32,824.23   \$34,499.32   \$1,675.09   \$5.10%   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750	720,000	40%	2,500.0	\$28,942.04	\$30,617.13	\$1,675.09	5.79%	\$25,488.16	\$25,488.16	\$0.00	0.00%	\$54,430.20	\$56,105.29	\$1,675.09	3.08%
1,250,000	1,250,000	60%	2,500.0	\$31,799.76	\$33,474.85	\$1,675.09	5.27%	\$49,065.93	\$49,065.93	\$0.00	0.00%	\$80,865.69	\$82,540.78	\$1,675.09	2.07%
1440000   60%   2.500.0     \$32,824.23   \$34,499.32   \$1,675.09   \$5.10%   \$5.53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.75.014   \$53.	1,250,000	50%	2,500.0	\$31,799.76	\$33,474.85	\$1,675.09	5.27%	\$46,658.10	\$46,658.10	\$0.00	0.00%	\$78,457.86	\$80,132.95	\$1,675.09	2.14%
1,440,000   50%   2,500   \$32,82423   \$34,499.12   \$1,675.09   \$1.0%   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14   \$53,750.14	1,250,000	40%	2,500.0	\$31,799.76	\$33,474.85	\$1,675.09	5.27%	\$44,250.28	\$44,250.28	\$0.00	0.00%	\$76,050.04	\$77,725.13	\$1,675.09	2.20%
1,440,000	1,440,000	60%	2,500.0	\$32,824.23	\$34,499.32	\$1,675.09	5.10%	\$56,523.95	\$56,523.95	\$0.00	0.00%	\$89,348.18	\$91,023.27	\$1,675.09	1.87%
1,008,000	1,440,000	50%	2,500.0	\$32,824.23	\$34,499.32	\$1,675.09	5.10%	\$53,750.14	\$53,750.14	\$0.00	0.00%	\$86,574.37	\$88,249.46	\$1,675.09	1.93%
1,008,000   50%   3,500	1,440,000	40%	2,500.0	\$32,824.23	\$34,499.32	\$1,675.09	5.10%	\$50,976.32	\$50,976.32	\$0.00	0.00%	\$83,800.55	\$85,475.64	\$1,675.09	2.00%
1,008,000   50%   3,500	1.008.000	60%	3.500.0	\$39,980 13	\$42,190,58	\$2.210.44	5.53%	\$39.566.77	\$39,566,77	\$0.00	0.00%	\$79,546 90	\$81.757.35	\$2.210.44	2.78%
1,512,000															2.85%
1,512,000															2.92%
1,512,000	1 512 000	60%	3 500 0	\$42,697,67	\$44 908 11	\$2 210 44	5 18%	\$59 350 15	\$59 350 15	\$0.00	0.00%	\$102 047 82	\$104 258 26	\$2 210 44	2.17%
1,512,000															2.23%
2,016,000   50%   3,500   3,500   3,500   545,415.20   547,625.64   52,210.44   4.87%   575,250.19   575,250.19   50.00   0.00%   5120,665.39   512,875.83   52,210.44   1.89   1.152,000   60%   4,000   545,499.18   547,977.30   52,478.12   5.45%   543,001.11   53,000   1.50,000   50%   4,000   545,499.18   547,977.30   52,478.12   5.45%   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05				. ,											2.30%
2,016,000   50%   3,500   3,500   3,500   545,415.20   547,625.64   52,210.44   4.87%   575,250.19   575,250.19   50.00   0.00%   5120,665.39   512,875.83   52,210.44   1.89   1.152,000   60%   4,000   545,499.18   547,977.30   52,478.12   5.45%   543,001.11   53,000   1.50,000   50%   4,000   545,499.18   547,977.30   52,478.12   5.45%   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05   540,781.05	2.016.000	600/	2 500 0	\$45.415.20	\$47.625.64	\$2.210.44	4 970/	\$70 122 54	\$70 122 54	¢0.00	0.00%	\$124.549.74	\$126.750.19	\$2.210.44	1 779/
2,016,000															
1,152,000 60% 4,000.0															
1,152,000 50% 4,000.0	2,010,000	4070	3,300.0	343,413.20	347,023.04	32,210.44	4.0770	\$71,300.64	\$71,300.64	\$0.00	0.0076	\$110,762.04	\$110,992.40	\$2,210.44	1.0970
1,152,000 40% 4,000.0 \$45,499.18 \$47,977.30 \$2,478.12 \$5.45% \$40,781.05 \$40,781.05 \$0.00 \$0.00% \$86,280.23 \$88,758.35 \$2,478.12 \$2.87 \$1,728,000 \$60% 4,000.0 \$48,604.93 \$51,083.05 \$2,478.12 \$5.10% \$67,828.74 \$0.00 \$0.00% \$116,433.67 \$118,911.79 \$2,478.12 \$2.13 \$1,728,000 \$40% 4,000.0 \$48,604.93 \$51,083.05 \$2,478.12 \$5.10% \$64,500.16 \$0.00 \$0.00% \$113,05.09 \$115,583.21 \$2,478.12 \$2.19 \$64,500.16 \$0.00 \$0.00% \$113,05.09 \$115,583.21 \$2,478.12 \$2.19 \$13,000 \$0.00% \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,000 \$115,0	1,152,000	60%	4,000.0	\$45,499.18	\$47,977.30	\$2,478.12	5.45%	\$45,219.16	\$45,219.16	\$0.00	0.00%	\$90,718.34	\$93,196.46	\$2,478.12	2.73%
1,728,000 60% 4,000.0 50% 4,000.0 548,604.93 \$51,083.05 \$2,478.12 5.10% 564,500.16 \$60,00 0.00% 5113,105.09 \$115,583.21 \$2,478.12 2.19 5.10% 564,500.16 \$60,00 0.00% 510,776.51 \$112,254.63 \$2,478.12 2.19 5.10% 561,171.58 \$61,171.58 \$61,171.58 \$0.00 0.00% 510,776.51 \$112,254.63 \$2,478.12 2.26 \$1.00		50%	4,000.0	\$45,499.18	\$47,977.30	\$2,478.12	5.45%	\$43,000.11	\$43,000.11	\$0.00	0.00%	\$88,499.29	\$90,977.41	\$2,478.12	2.80%
1,728,000 50% 4,000.0 548,604.93 \$51,083.05 \$2,478.12 5.10% \$64,500.16 \$64,500.16 \$0.00 0.00% \$113,105.09 \$115,583.21 \$2,478.12 2.19 \$1,728,000 40% 4,000.0 \$48,604.93 \$51,083.05 \$2,478.12 5.10% \$61,171.58 \$61,171.58 \$0.00 0.00% \$113,105.09 \$115,583.21 \$2,478.12 2.19 \$1,728,000 50% 4,000.0 \$51,710.68 \$54,188.81 \$2,478.12 4.79% \$90,438.33 \$90,438.33 \$0.00 0.00% \$142,149.01 \$144,627.14 \$2,478.12 1.74 \$2,304,000 40% 4,000.0 \$51,710.68 \$54,188.81 \$2,478.12 4.79% \$86,000.22 \$80,000 0.00% \$137,710.90 \$140,189.03 \$2,478.12 1.80 \$1,700 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,	1,152,000	40%	4,000.0	\$45,499.18	\$47,977.30	\$2,478.12	5.45%	\$40,781.05	\$40,781.05	\$0.00	0.00%	\$86,280.23	\$88,758.35	\$2,478.12	2.87%
1,728,000         40%         4,000.0         \$48,604.93         \$51,083.05         \$2,478.12         5.10%         \$61,171.58         \$61,171.58         \$0.00         0.00%         \$109,776.51         \$112,254.63         \$2,478.12         2.26           2,304,000         60%         4,000.0         \$51,710.68         \$54,188.81         \$2,478.12         4.79%         \$86,000.22         \$86,000.22         \$0.00         0.00%         \$142,149.01         \$144,627.14         \$2,478.12         1.74           2,304,000         40%         4,000.0         \$51,710.68         \$54,188.81         \$2,478.12         4.79%         \$86,000.22         \$86,000.22         \$0.00         0.00%         \$142,149.01         \$144,627.14         \$2,478.12         1.80           3,888,000         60%         13,500.0         \$150,361.10         \$157,925.08         \$7,563.98         5.03%         \$144,125.37         \$140,128.27         \$130,305.04         \$295,486.47         \$30,305.04         \$7,563.98         2.50           5,832,000         60%         13,500.0         \$160,843.00         \$168,466.98         \$7,563.98         5.03%         \$137,636.06         \$10,000%         \$287,997.16         \$295,561.14         \$7,563.98         2.63           5,832,000         50%         <	1,728,000	60%	4,000.0	\$48,604.93	\$51,083.05	\$2,478.12	5.10%	\$67,828.74	\$67,828.74	\$0.00	0.00%	\$116,433.67	\$118,911.79	\$2,478.12	2.13%
2,304,000 60% 4,000.0 50% 4,000.0 551,710.68 554,188.81 52,478.12 4.79% 586,000.22 586,000.22 50.00 0.00% 5137,710.90 5140,189.03 52,478.12 1.74 52,304,000 40% 4,000.0 551,710.68 554,188.81 52,478.12 4.79% 586,000.22 586,000.22 580.00 0.00% 5137,710.90 5140,189.03 52,478.12 1.80 581,562.11 50.00 50.00% 513,570.00 515,710.68 554,188.81 52,478.12 4.79% 586,000.22 586,000.22 580.00 0.00% 5137,710.90 5140,189.03 52,478.12 1.80 581,562.11 50.00 50.00% 513,570.00 5140,189.03 52,478.12 1.80 581,562.11 50.00 0.00% 513,570.02 52,478.12 1.80 581,562.11 50.00 50.00% 5150,361.10 5157,925.08 57,563.98 5.03% 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145,125.37 5145	1,728,000	50%	4,000.0	\$48,604.93	\$51,083.05	\$2,478.12	5.10%	\$64,500.16	\$64,500.16	\$0.00	0.00%	\$113,105.09	\$115,583.21	\$2,478.12	2.19%
2,304,000         50%         4,000.0         \$51,710.68         \$54,188.81         \$2,478.12         4.79%         \$86,000.22         \$86,000.22         \$0.00         0.00%         \$137,710.90         \$140,189.03         \$2,478.12         1.80           3,888,000         60%         13,500.0         \$150,361.10         \$157,925.08         \$7,563.98         5.03%         \$152,614.68         \$152,614.68         \$0.00         0.00%         \$302,975.78         \$310,539.76         \$7,563.98         2.50           3,888,000         50%         13,500.0         \$150,361.10         \$157,925.08         \$7,563.98         5.03%         \$145,125.37         \$145,125.37         \$0.00         0.00%         \$295,486.47         \$303,050.45         \$7,563.98         2.50           5,832,000         60%         13,500.0         \$160,843.00         \$168,406.98         \$7,563.98         4.70%         \$228,922.01         \$0.00         0.00%         \$37,853.10         \$397,328.99         \$7,563.98         1.94           5,832,000         60%         13,500.0         \$160,843.00         \$168,406.98         \$7,563.98         4.70%         \$228,922.01         \$0.00         0.00%         \$387,551.05         \$397,328.99         \$7,563.98         1.94           5,832,000	1,728,000	40%	4,000.0	\$48,604.93	\$51,083.05	\$2,478.12	5.10%	\$61,171.58	\$61,171.58	\$0.00	0.00%	\$109,776.51	\$112,254.63	\$2,478.12	2.26%
2,304,000         50%         4,000.0         \$51,710.68         \$54,188.81         \$2,478.12         4.79%         \$86,000.22         \$86,000.22         \$0.00         0.00%         \$137,710.90         \$140,189.03         \$2,478.12         1.80           3,888,000         60%         13,500.0         \$150,361.10         \$157,925.08         \$7,563.98         5.03%         \$152,614.68         \$152,614.68         \$0.00         0.00%         \$302,975.78         \$310,539.76         \$7,563.98         2.50           3,888,000         50%         13,500.0         \$150,361.10         \$157,925.08         \$7,563.98         5.03%         \$145,125.37         \$145,125.37         \$0.00         0.00%         \$295,486.47         \$303,050.45         \$7,563.98         2.50           5,832,000         60%         13,500.0         \$160,843.00         \$168,406.98         \$7,563.98         4.70%         \$228,922.01         \$0.00         0.00%         \$37,853.10         \$397,328.99         \$7,563.98         1.94           5,832,000         60%         13,500.0         \$160,843.00         \$168,406.98         \$7,563.98         4.70%         \$228,922.01         \$0.00         0.00%         \$387,551.05         \$397,328.99         \$7,563.98         1.94           5,832,000	2.304.000	60%	4.000.0	\$51.710.68	\$54.188.81	\$2.478.12	4.79%	\$90.438.33	\$90,438,33	\$0.00	0.00%	\$142,149,01	\$144.627.14	\$2,478.12	1.74%
3,888,000 60% 13,500.0 \$150,361.10 \$157,925.08 \$7,563.98 5.03% \$145,125.37 \$10,000 0.00% \$295,486.47 \$303,050.45 \$7,563.98 2.50 \$3,888,000 40% 13,500.0 \$150,361.10 \$157,925.08 \$7,563.98 5.03% \$145,125.37 \$145,125.37 \$0.00 0.00% \$295,486.47 \$303,050.45 \$7,563.98 2.50 \$13,500.0 \$150,361.10 \$157,925.08 \$7,563.98 5.03% \$145,125.37 \$145,125.37 \$0.00 0.00% \$295,486.47 \$303,050.45 \$7,563.98 2.50 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.06 \$137,636.0	2,304,000	50%	4,000.0	\$51,710.68	\$54,188.81	\$2,478.12		\$86,000.22	\$86,000.22	\$0.00	0.00%	\$137,710.90	\$140,189.03	\$2,478.12	1.80%
3,888,000     50%     13,500.0     \$150,361.10     \$157,925.08     \$7,563.98     5,03%     \$145,125.37     \$145,125.37     \$0.00     0.00%     \$295,486.47     \$303,050.45     \$7,563.98     2.56       5,832,000     60%     13,500.0     \$160,843.00     \$168,406.98     \$7,563.98     4.70%     \$228,922.01     \$228,922.01     \$228,922.01     \$20.00     \$389,765.01     \$397,328.99     \$7,563.98     1.94       5,832,000     50%     13,500.0     \$160,843.00     \$168,406.98     \$7,563.98     4.70%     \$217,688.05     \$0.00     0.00%     \$378,531.05     \$386,095.03     \$7,563.98     2.06       7,776,000     60%     13,500.0     \$13,500.0     \$160,843.00     \$168,406.98     \$7,563.98     4.70%     \$20,6454.09     \$0.00     0.00%     \$377,297.09     \$374,861.07     \$7,563.98     2.06       7,776,000     60%     13,500.0     \$171,324.91     \$178,888.89     \$7,563.98     4.41%     \$290,220.73     \$20,220.73     \$0.00     0.00%     \$461,575.64     \$469,113.62     \$7,563.98     1.59       7,776,000     50%     13,500.0     \$171,324.91     \$178,888.89     \$7,563.98     4.41%     \$290,220.73     \$0.00     0.00%     \$461,575.64     \$469,113.62     \$7,563.98     1.59 </td <td>2,304,000</td> <td>40%</td> <td>4,000.0</td> <td>\$51,710.68</td> <td>\$54,188.81</td> <td>\$2,478.12</td> <td>4.79%</td> <td>\$81,562.11</td> <td>\$81,562.11</td> <td>\$0.00</td> <td>0.00%</td> <td>\$133,272.79</td> <td>\$135,750.92</td> <td>\$2,478.12</td> <td>1.86%</td>	2,304,000	40%	4,000.0	\$51,710.68	\$54,188.81	\$2,478.12	4.79%	\$81,562.11	\$81,562.11	\$0.00	0.00%	\$133,272.79	\$135,750.92	\$2,478.12	1.86%
3,888,000     50%     13,500.0     \$150,361.10     \$157,925.08     \$7,563.98     5,03%     \$145,125.37     \$145,125.37     \$0.00     0.00%     \$295,486.47     \$303,050.45     \$7,563.98     2.56       5,832,000     60%     13,500.0     \$160,843.00     \$168,406.98     \$7,563.98     4.70%     \$228,922.01     \$228,922.01     \$228,922.01     \$20.00     \$389,765.01     \$397,328.99     \$7,563.98     1.94       5,832,000     50%     13,500.0     \$160,843.00     \$168,406.98     \$7,563.98     4.70%     \$217,688.05     \$0.00     0.00%     \$378,531.05     \$386,095.03     \$7,563.98     2.06       7,776,000     60%     13,500.0     \$13,500.0     \$160,843.00     \$168,406.98     \$7,563.98     4.70%     \$20,6454.09     \$0.00     0.00%     \$377,297.09     \$374,861.07     \$7,563.98     2.06       7,776,000     60%     13,500.0     \$171,324.91     \$178,888.89     \$7,563.98     4.41%     \$290,220.73     \$20,220.73     \$0.00     0.00%     \$461,575.64     \$469,113.62     \$7,563.98     1.59       7,776,000     50%     13,500.0     \$171,324.91     \$178,888.89     \$7,563.98     4.41%     \$290,220.73     \$0.00     0.00%     \$461,575.64     \$469,113.62     \$7,563.98     1.59 </td <td>3.888.000</td> <td>60%</td> <td>13.500.0</td> <td>\$150,361 10</td> <td>\$157.925.08</td> <td>\$7.563.98</td> <td>5.03%</td> <td>\$152.614.68</td> <td>\$152.614.68</td> <td>\$0.00</td> <td>0.00%</td> <td>\$302,975 78</td> <td>\$310.539.76</td> <td>\$7,563.98</td> <td>2.50%</td>	3.888.000	60%	13.500.0	\$150,361 10	\$157.925.08	\$7.563.98	5.03%	\$152.614.68	\$152.614.68	\$0.00	0.00%	\$302,975 78	\$310.539.76	\$7,563.98	2.50%
3,888,000       40%       13,500.0       \$150,361.10       \$157,925.08       \$7,563.98       5.03%       \$137,636.06       \$137,636.06       \$0.00       0.00%       \$287,997.16       \$295,561.14       \$7,563.98       2.63         5,832,000       60%       13,500.0       \$160,843.00       \$168,406.98       \$7,563.98       4.70%       \$228,922.01       \$20,00       \$0.00       0.00%       \$389,765.01       \$397,328.99       \$7,563.98       1.94         5,832,000       50%       13,500.0       \$160,843.00       \$168,406.98       \$7,563.98       4.70%       \$217,688.05       \$217,688.05       \$0.00       0.00%       \$378,531.05       \$386,095.03       \$7,563.98       2.00         7,776,000       60%       13,500.0       \$171,324.91       \$178,888.89       \$7,563.98       4.41%       \$305,229.35       \$0.00       0.00%       \$476,554.26       \$484,118.24       \$7,563.98       1.59         7,776,000       50%       13,500.0       \$171,324.91       \$178,888.89       \$7,563.98       4.41%       \$290,250.73       \$290,250.73       \$0.00       0.00%       \$461,575.64       \$469,139.62       \$7,563.98       1.59															2.56%
5,832,000     50%     13,500.0     \$160,843.00     \$160,843.00     \$166,843.00     \$166,843.00     \$168,406.98     \$7,563.98     4.70%     \$217,688.05     \$217,688.05     \$0.00     0.00%     \$378,531.05     \$386,095.03     \$7,563.98     2.00       7,776,000     60%     13,500.0     \$171,324.91     \$178,888.89     \$7,563.98     4.41%     \$305,229.35     \$0.00     0.00%     \$476,554.26     \$484,118.24     \$7,563.98     1.59       7,776,000     50%     13,500.0     \$171,324.91     \$178,888.89     \$7,563.98     4.41%     \$305,229.35     \$0.00     0.00%     \$476,554.26     \$484,118.24     \$7,563.98     1.59       7,776,000     50%     13,500.0     \$171,324.91     \$178,888.89     \$7,563.98     4.41%     \$290,250.73     \$290,250.73     \$0.00     0.00%     \$461,575.64     \$469,139.62     \$7,563.98     1.64															2.63%
5,832,000     50%     13,500.0     \$160,843.00     \$160,843.00     \$166,843.00     \$166,843.00     \$168,406.98     \$7,563.98     4.70%     \$217,688.05     \$217,688.05     \$0.00     0.00%     \$378,531.05     \$386,095.03     \$7,563.98     2.00       7,776,000     60%     13,500.0     \$171,324.91     \$178,888.89     \$7,563.98     4.41%     \$305,229.35     \$0.00     0.00%     \$476,554.26     \$484,118.24     \$7,563.98     1.59       7,776,000     50%     13,500.0     \$171,324.91     \$178,888.89     \$7,563.98     4.41%     \$305,229.35     \$0.00     0.00%     \$476,554.26     \$484,118.24     \$7,563.98     1.59       7,776,000     50%     13,500.0     \$171,324.91     \$178,888.89     \$7,563.98     4.41%     \$290,250.73     \$290,250.73     \$0.00     0.00%     \$461,575.64     \$469,139.62     \$7,563.98     1.64	5 832 000	60%	13 500 0	\$160 843 00	\$168 406 98	\$7 563 98	4 70%	\$228 922 01	\$228 922 01	\$0.00	0.00%	\$389 765 01	\$397 328 99	\$7 563 98	1.94%
5,832,000     40%     13,500.0     \$160,843.00     \$168,406.98     \$7,563.98     4.70%     \$206,454.09     \$206,454.09     \$0.00     0.00%     \$367,297.09     \$374,861.07     \$7,563.98     2.06       7,776,000     60%     13,500.0     \$171,324.91     \$178,888.89     \$7,563.98     4.41%     \$305,229.35     \$305,229.35     \$0.00     0.00%     \$476,554.26     \$484,118.24     \$7,563.98     1.59       7,776,000     50%     13,500.0     \$171,324.91     \$178,888.89     \$7,563.98     4.41%     \$290,250.73     \$0.00     0.00%     \$461,575.64     \$469,139.62     \$7,563.98     1.64															2.00%
7,776,000 50% 13,500.0 \$171,324.91 \$178,888.89 \$7,563.98 4.41% \$290,250.73 \$290,250.73 \$0.00 0.00% \$461,575.64 \$469,139.62 \$7,563.98 1.64															2.06%
7,776,000 50% 13,500.0 \$171,324.91 \$178,888.89 \$7,563.98 4.41% \$290,250.73 \$290,250.73 \$0.00 0.00% \$461,575.64 \$469,139.62 \$7,563.98 1.64	7 776 000	60%	13 500 0	\$171 324 91	\$178 888 89	\$7 563 98	4 41%	\$305 229 35	\$305 229 35	\$0.00	0.00%	\$476 554 26	\$484 118 24	\$7 563 98	1.59%
															1.64%
7,776,000 40% 13,500.0 \$171,324.91 \$178,888.89 \$7,563.98 4.41% \$275,272.11 \$275,272.11 \$0.00 0.00% \$446,597.02 \$454,161.00 \$7,563.98 1.69				. , ,									,		1.69%

Current			Proposed		
Customer Charge		\$1,333.33	Customer Charge		1,666.67
T&D Demand Charge	kW x	\$9.58	T&D Demand Charge	kW x	\$10.11
Revenue Decoupling Mechanisn	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189	Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge On Peal	kWh x	\$0.04222	Commodity Energy Charge On Peal	kWh x	\$0.04222
Commodity Energy Charge Off Peal	kWh x	\$0.02315	Commodity Energy Charge Off Peal	kWh x	\$0.02315
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.004149	Systems Benefits Charge (CEF/EES)	kWh x	\$0.004149
NYPA ETIP Credit	kW x	(\$0.23)	NYPA ETIP Credit	kW x	(\$0.23)
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363	CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
Merchant Function Charge	kWh x	\$0.00064	Merchant Function Charge	kWh x	\$0.00064
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GI Commodity includes the Commodity Energy charge, Merchant Function Charge. CES Supply Charge and Commodity GR

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (SUBTRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY20 - Rate Year 2 vs. Rate Year

				Delivery	,			Commo	dity			Tota	I	
kWh Usage On	-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	\$15,261.05	\$15,775.19	\$514.14	3.37%	\$27,774.70	\$27,774.70	\$0.00	0.00%	\$43,035.75	\$43,549.89	\$514.14	1.19%
720,000	50%	2,500.0	\$15,261.05	\$15,775.19	\$514.14	3.37%	\$26,431.43	\$26,431.43	\$0.00	0.00%	\$41,692.48	\$42,206.62	\$514.14	1.23%
720,000	40%	2,500.0	\$15,261.05	\$15,775.19	\$514.14	3.37%	\$25,088.16	\$25,088.16	\$0.00	0.00%	\$40,349.21	\$40,863.35	\$514.14	1.27%
1,080,000	60%	2,500.0	\$17,659.10	\$18,173.24	\$514.14	2.91%	\$41,662.06	\$41,662.06	\$0.00	0.00%	\$59,321.16	\$59,835.30	\$514.14	0.87%
1,080,000	50%	2,500.0	\$17,659.10	\$18,173.24	\$514.14	2.91%	\$39,647.15	\$39,647.15	\$0.00	0.00%	\$57,306.25	\$57,820.39	\$514.14	0.90%
1,080,000	40%	2,500.0	\$17,659.10	\$18,173.24	\$514.14	2.91%	\$37,632.24	\$37,632.24	\$0.00	0.00%	\$55,291.34	\$55,805.48	\$514.14	0.93%
1,440,000	60%	2,500.0	\$20,057.15	\$20.571.29	\$514.14	2.56%	\$55.549.41	\$55,549.41	\$0.00	0.00%	\$75,606.56	\$76,120.70	\$514.14	0.68%
1,440,000	50%	2,500.0	\$20,057.15	\$20,571.29	\$514.14	2.56%	\$52,862.86	\$52,862.86	\$0.00	0.00%	\$72,920.01	\$73,434.15	\$514.14	0.71%
1,440,000	40%	2,500.0	\$20,057.15	\$20,571.29	\$514.14	2.56%	\$50,176.32	\$50,176.32	\$0.00	0.00%	\$70,233.47	\$70,747.61	\$514.14	0.73%
1,008,000	60%	3,500.0	\$20,660.82	\$21,241.63	\$580.81	2.81%	\$38,884.59	\$38,884.59	\$0.00	0.00%	\$59,545.41	\$60,126.22	\$580.81	0.98%
1,008,000	50%	3,500.0	\$20,660.82	\$21,241.63	\$580.81	2.81%	\$37,004.00	\$37,004.00	\$0.00	0.00%	\$57,664.82	\$58,245.63	\$580.81	1.01%
1,008,000	40%	3,500.0	\$20,660.82	\$21,241.63	\$580.81	2.81%	\$35,123.42	\$35,123.42	\$0.00	0.00%	\$55,784.24	\$56,365.05	\$580.81	1.04%
1,512,000	60%	3,500.0	\$24,018.09	\$24.598.90	\$580.81	2.42%	\$58.326.88	\$58,326.88	\$0.00	0.00%	\$82.344.97	\$82,925.78	\$580.81	0.71%
1,512,000	50%	3,500.0	\$24,018.09	\$24,598.90	\$580.81	2.42%	\$55,506.01	\$55,506.01	\$0.00	0.00%	\$79,524.10	\$80,104.91	\$580.81	0.73%
1,512,000	40%	3,500.0	\$24,018.09	\$24,598.90	\$580.81	2.42%	\$52,685.13	\$52,685.13	\$0.00	0.00%	\$76,703.22	\$77,284.03	\$580.81	0.76%
		ĺ									\$70,703.22			
2,016,000	60%	3,500.0	\$27,375.36	\$27,956.17	\$580.81	2.12%	\$77,769.17	\$77,769.17	\$0.00	0.00%	\$105,144.53	\$105,725.34	\$580.81	0.55%
2,016,000	50%	3,500.0	\$27,375.36	\$27,956.17	\$580.81	2.12%	\$74,008.01	\$74,008.01	\$0.00	0.00%	\$101,383.37	\$101,964.18	\$580.81	0.57%
2,016,000	40%	3,500.0	\$27,375.36	\$27,956.17	\$580.81	2.12%	\$70,246.84	\$70,246.84	\$0.00	0.00%	\$97,622.20	\$98,203.01	\$580.81	0.59%
1,152,000	60%	4,000.0	\$23,360.70	\$23,974.84	\$614.14	2.63%	\$44,439.53	\$44,439.53	\$0.00	0.00%	\$67,800.23	\$68,414.37	\$614.14	0.91%
1,152,000	50%	4,000.0	\$23,360.70	\$23,974.84	\$614.14	2.63%	\$42,290.29	\$42,290.29	\$0.00	0.00%	\$65,650.99	\$66,265.13	\$614.14	0.94%
1,152,000	40%	4,000.0	\$23,360.70	\$23,974.84	\$614.14	2.63%	\$40,141.05	\$40,141.05	\$0.00	0.00%	\$63,501.75	\$64,115.89	\$614.14	0.97%
2,000,000	60%	4,000.0	\$29,009.45	\$29,623.59	\$614.14	2.12%	\$77,151.96	\$77,151.96	\$0.00	0.00%	\$106,161.41	\$106,775.55	\$614.14	0.58%
2,000,000	50%	4,000.0	\$29,009.45	\$29,623.59	\$614.14	2.12%	\$73,420.64	\$73,420.64	\$0.00	0.00%	\$102,430.09	\$103,044.23	\$614.14	0.60%
2,000,000	40%	4,000.0	\$29,009.45	\$29,623.59	\$614.14	2.12%	\$69,689.33	\$69,689.33	\$0.00	0.00%	\$98,698.78	\$99,312.92	\$614.14	0.62%
2,304,000	60%	4,000.0	\$31.034.47	\$31.648.61	\$614.14	1.98%	\$88.879.05	\$88,879.05	\$0.00	0.00%	\$119,913.52	\$120.527.66	\$614.14	0.51%
2,304,000	50%	4,000.0	\$31,034.47	\$31,648.61	\$614.14	1.98%	\$84,580.58	\$84,580.58	\$0.00	0.00%	\$115,615.05	\$116,229.19	\$614.14	0.53%
2,304,000	40%	4,000.0	\$31,034.47	\$31,648.61	\$614.14	1.98%	\$80,282.11	\$80,282.11	\$0.00	0.00%	\$111,316.58	\$111,930.72	\$614.14	0.55%
3,888,000	60%	13,500.0	\$74,658.54	\$75,906.01	\$1,247.47	1.67%	\$149,983.40	\$149.983.40	\$0.00	0.00%	\$224.641.94	\$225.889.41	\$1.247.47	0.56%
3,888,000	50%	13,500.0	\$74,658.54	\$75,906.01	\$1,247.47	1.67%	\$142,729.73	\$142,729.73	\$0.00	0.00%	\$217,388.27	\$218,635.74	\$1,247.47	0.57%
3,888,000	40%	13,500.0	\$74,658.54	\$75,906.01	\$1,247.47	1.67%		\$135,476.06	\$0.00	0.00%	\$210,134.60	\$211,382.07	\$1,247.47	0.59%
5,832,000	60%	13,500.0	\$87,608.02	\$88,855.49	\$1,247.47	1.42%	\$224,975.10	\$224,975.10	\$0.00	0.00%	\$312,583.12	\$313,830.59	\$1,247.47	0.40%
5,832,000	50%	13,500.0	\$87,608.02	\$88,855.49	\$1,247.47	1.42%	\$214,094.59	\$214,094.59	\$0.00	0.00%	\$301,702.61	\$302,950.08	\$1,247.47	0.41%
5,832,000	40%	13,500.0	\$87,608.02	\$88,855.49	\$1,247.47	1.42%	\$203,214.09	\$203,214.09	\$0.00	0.00%	\$290,822.11	\$292,069.58	\$1,247.47	0.43%
7,776,000	60%	13,500.0	\$100,557.50	\$101,804.98	\$1,247.47	1.24%	\$299,966.80	\$299,966.80	\$0.00	0.00%	\$400,524.30	\$401,771.78	\$1,247.47	0.31%
7,776,000	50%	13,500.0	\$100,557.50	\$101,804.98	\$1,247.47	1.24%	\$285,459.46	\$285,459.46	\$0.00	0.00%	\$386,016.96	\$387,264.44	\$1,247.47	0.32%
7,776,000	40%	13,500.0	\$100,557.50	\$101,804.98	\$1,247.47	1.24%	\$270,952.11	\$270,952.11	\$0.00	0.00%	\$371,509.61	\$372,757.09	\$1,247.47	0.34%

Current			<u>Proposed</u>		
Customer Charge		\$1.744.00	Customer Charge		2,088.00
T&D Demand Charge	kW x	\$3.45	T&D Demand Charge	kW x	\$3.52
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189	Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge On Peal	kWh x	\$0.04131	Commodity Energy Charge On Peal	kWh x	\$0.04131
Commodity Energy Charge Off Peak	kWh x	\$0.02284	Commodity Energy Charge Off Peal	kWh x	\$0.02284
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CES/EES)	kWh x	\$0.005406	Systems Benefits Charge (CES/EES)	kWh x	\$0.005406
NYPA Credit	kW x	(\$0.05)	NYPA ETIP Credit	kW	x (\$0.05)
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363	CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00064	Merchant Function Charge	kWh x	0.00064
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GI Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge, and Commodity GR

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (TRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY20 - Rate Year 2 vs. Rate Year

				Delivery				Commo	dity			Tot	al	
kWh Usage Or	n-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	\$14,100.66	\$15,490.56	\$1,389.90	9.86%	\$26,906.34	\$26,906.34	\$0.00	0.00%	\$41,007.00	\$42,396.90	\$1,389.90	3.39%
720,000	50%	2,500.0	\$14,100.66	\$15,490.56	\$1,389.90	9.86%	\$25,638.70	\$25,638.70	\$0.00	0.00%	\$39,739.36	\$41,129.26	\$1,389.90	3.50%
720,000	40%	2,500.0	\$14,100.66	\$15,490.56	\$1,389.90	9.86%	\$24,371.07	\$24,371.07	\$0.00	0.00%	\$38,471.73	\$39,861.63	\$1,389.90	3.61%
1,080,000	60%	2,500.0	\$15,758.09	\$17,147.98	\$1,389.90	8.82%	\$40,359.51	\$40,359.51	\$0.00	0.00%	\$56,117.60	\$57,507.49	\$1,389.90	2.48%
1,080,000	50%	2,500.0	\$15,758.09	\$17,147.98	\$1,389.90	8.82%	\$38,458.06	\$38,458.06	\$0.00	0.00%	\$54,216.15	\$55,606.04	\$1,389.90	2.56%
1,080,000	40%	2,500.0	\$15,758.09	\$17,147.98	\$1,389.90	8.82%	\$36,556.60	\$36,556.60	\$0.00	0.00%	\$52,314.69	\$53,704.58	\$1,389.90	2.66%
1,440,000	60%	2,500.0	\$17,415.51	\$18,805.41	\$1.389.90	7.98%	\$53,812.68	\$53,812.68	\$0.00	0.00%	\$71.228.19	\$72,618.09	\$1.389.90	1.95%
1,440,000	50%	2,500.0	\$17,415.51	\$18,805.41	\$1,389.90	7.98%	\$51,277.41	\$51,277.41	\$0.00	0.00%	\$68,692.92	\$70,082.82	\$1,389.90	2.02%
1,440,000	40%	2,500.0	\$17,415.51	\$18,805.41	\$1,389.90	7.98%	\$48,742.14	\$48,742.14	\$0.00	0.00%	\$66,157.65	\$67,547.55	\$1,389.90	2.10%
1,008,000	60%	3,500.0	\$18,121.94	\$19.863.35	\$1,741.41	9.61%	\$37.668.88	\$37.668.88	\$0.00	0.00%	\$55,790.82	\$57,532.23	\$1,741.41	3.12%
1,008,000	50%	3,500.0	\$18,121.94	\$19,863.35	\$1,741.41	9.61%	\$35,894.19	\$35,894.19	\$0.00	0.00%	\$54,016.13	\$55,757.54	\$1,741.41	3.12%
1,008,000	40%	3,500.0	\$18,121.94	\$19,863.35	\$1,741.41	9.61%	\$34,119.49	\$34,119.49	\$0.00	0.00%	\$52,241.43	\$53,982.84	\$1,741.41	3.33%
1,512,000	60%	3,500.0	\$20,442.33	\$22,183.74	\$1,741.41	8.52%	\$56,503.32	\$56,503.32	\$0.00	0.00%	\$76,945.65	\$78,687.06	\$1,741.41	2.26%
1,512,000	50%	3,500.0	\$20,442.33	\$22,183.74 \$22,183.74	\$1,741.41	8.52%	\$50,503.32 \$53,841.28	\$50,503.32 \$53,841.28	\$0.00	0.00%	\$74,283.61	\$76,025.02	\$1,741.41	2.26%
1,512,000	40%	3,500.0	\$20,442.33	\$22,183.74	\$1,741.41	8.52%	\$51.179.24	\$51.179.24	\$0.00	0.00%	\$71.621.57	\$73,362.98	\$1,741.41	2.43%
1,512,000	4070	3,300.0	\$20,442.33	\$22,103.74	\$1,741.41	0.3270	\$31,179.24	331,179.24	\$0.00	0.0076	\$71,021.37	\$73,302.96	\$1,741.41	2.4370
2,016,000	60%	3,500.0	\$22,762.72	\$24,504.13	\$1,741.41	7.65%	\$75,337.75	\$75,337.75	\$0.00	0.00%	\$98,100.47	\$99,841.88	\$1,741.41	1.78%
2,016,000	50%	3,500.0	\$22,762.72	\$24,504.13	\$1,741.41	7.65%	\$71,788.37	\$71,788.37	\$0.00	0.00%	\$94,551.09	\$96,292.50	\$1,741.41	1.84%
2,016,000	40%	3,500.0	\$22,762.72	\$24,504.13	\$1,741.41	7.65%	\$68,238.99	\$68,238.99	\$0.00	0.00%	\$91,001.71	\$92,743.12	\$1,741.41	1.91%
1,152,000	60%	4,000.0	\$20,132.58	\$22,049.75	\$1,917.17	9.52%	\$43,050.14	\$43,050.14	\$0.00	0.00%	\$63,182.72	\$65,099.89	\$1,917.17	3.03%
1,152,000	50%	4,000.0	\$20,132.58	\$22,049.75	\$1,917.17	9.52%	\$41,021.93	\$41,021.93	\$0.00	0.00%	\$61,154.51	\$63,071.68	\$1,917.17	3.13%
1,152,000	40%	4,000.0	\$20,132.58	\$22,049.75	\$1,917.17	9.52%	\$38,993.71	\$38,993.71	\$0.00	0.00%	\$59,126.29	\$61,043.46	\$1,917.17	3.24%
1,728,000	60%	4,000.0	\$22,784.45	\$24,701.62	\$1,917.17	8.41%	\$64,575.22	\$64,575.22	\$0.00	0.00%	\$87,359.67	\$89,276.84	\$1,917.17	2.19%
1,728,000	50%	4,000.0	\$22,784.45	\$24,701.62	\$1,917.17	8.41%	\$61,532.89	\$61,532.89	\$0.00	0.00%	\$84,317.34	\$86,234.51	\$1,917.17	2.27%
1,728,000	40%	4,000.0	\$22,784.45	\$24,701.62	\$1,917.17	8.41%	\$58,490.56	\$58,490.56	\$0.00	0.00%	\$81,275.01	\$83,192.18	\$1,917.17	2.36%
2.304.000	60%	4.000.0	\$25,436,33	\$27.353.50	\$1.917.17	7.54%	\$86.100.29	\$86,100,29	\$0.00	0.00%	\$111.536.62	\$113.453.79	\$1.917.17	1.72%
2,304,000	50%	4,000.0	\$25,436.33	\$27,353.50	\$1,917.17	7.54%	\$82.043.85	\$82.043.85	\$0.00	0.00%	\$107,480.18	\$109,397.35	\$1,917.17	1.78%
2,304,000	40%	4,000.0	\$25,436.33	\$27,353.50	\$1,917.17	7.54%	\$77,987.42	\$77,987.42	\$0.00	0.00%	\$103,423.75	\$105,340.92	\$1,917.17	1.85%
2 000 000		44.500.0	0.50.044.00	0.55 405 55	0	0.500/		011500101	40.00	0.000/	0100 000 00	0000 501 50	0.4.550.54	2 200/
3,888,000	60%	11,500.0	\$52,944.02	\$57,497.55	\$4,553.54	8.60%	\$145,294.24	\$145,294.24	\$0.00	0.00%	\$198,238.26	\$202,791.79	\$4,553.54	2.30%
3,888,000	50% 40%	11,500.0 11,500.0	\$52,944.02	\$57,497.55	\$4,553.54 \$4,553.54	8.60%	\$138,449.00	\$138,449.00	\$0.00 \$0.00	0.00%	\$191,393.02	\$195,946.55 \$189,101.32	\$4,553.54 \$4,553.54	2.38% 2.47%
3,888,000	40%	11,500.0	\$52,944.02	\$57,497.55	\$4,333.34	8.60%	\$131,603.77	\$131,603.77	\$0.00	0.00%	\$184,547.79	\$189,101.32	\$4,333.34	2.47%
6,300,000	60%	12,000.0	\$65,396.41	\$70,125.70	\$4,729.29	7.23%	\$235,430.48	\$235,430.48	\$0.00	0.00%	\$300,826.89	\$305,556.18	\$4,729.29	1.57%
6,300,000	50%	12,000.0	\$65,396.41	\$70,125.70	\$4,729.29	7.23%	\$224,338.66	\$224,338.66	\$0.00	0.00%	\$289,735.07	\$294,464.36	\$4,729.29	1.63%
6,300,000	40%	12,000.0	\$65,396.41	\$70,125.70	\$4,729.29	7.23%	\$213,246.84	\$213,246.84	\$0.00	0.00%	\$278,643.25	\$283,372.54	\$4,729.29	1.70%
7,776,000	60%	13,500.0	\$76,234.85	\$81,491.41	\$5,256.57	6.90%	\$290,588.48	\$290,588.48	\$0.00	0.00%	\$366,823.33	\$372,079.89	\$5,256.57	1.43%
7,776,000	50%	13,500.0	\$76,234.85	\$81,491.41	\$5,256.57	6.90%	\$276,898.00	\$276,898.00	\$0.00	0.00%	\$353,132.85	\$358,389.41	\$5,256.57	1.49%
7,776,000	40%	13,500.0	\$76,234.85	\$81,491.41	\$5,256.57	6.90%	\$263,207.53	\$263,207.53	\$0.00	0.00%	\$339,442.38	\$344,698.94	\$5,256.57	1.55%

Current			Proposed		
Customer Charge		\$4,007.00	Customer Charge		4,513.00
T&D Demand Charge	kW x	\$2.97	T&D Demand Charge	kW x	\$3.32
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189	Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge On Peal	kWh x	\$0.03970	Commodity Energy Charge On Peal	kWh x	\$0.03970
Commodity Energy Charge Off Peal	kWh x	\$0.02227	Commodity Energy Charge Off Peak	kWh x	\$0.02227
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.003369	Systems Benefits Charge (CEF/EES)	kWh x	\$0.003369
NYPA ETIP Credit	kWx	(\$0.34)	NYPA ETIP Credit	kW x	(\$0.34)
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363	CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00064	Merchant Function Charge	kWh x	0.00064
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.99	Commodity	Bill /	0.99
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Charge and Delivery GF Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC2-SMALL GENERAL SERVICE (METERED DEMAND) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

			Delive				Comm				Tota		
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
1,008	7.0	\$141.42	\$147.79	\$6.37	4.50%	\$41.59	\$41.59	\$0.00	0.00%	\$183.01	\$189.38	\$6.37	3.48%
1,512	7.0	\$144.94	\$151.30	\$6.36	4.39%	\$62.39	\$62.39	\$0.00	0.00%	\$207.33	\$213.69	\$6.36	3.07%
2,016	7.0	\$148.46	\$154.82	\$6.36	4.28%	\$83.19	\$83.19	\$0.00	0.00%	\$231.65	\$238.01	\$6.36	2.75%
2,520	7.0	\$151.98	\$158.34	\$6.36	4.18%	\$103.98	\$103.98	\$0.00	0.00%	\$255.96	\$262.32	\$6.36	2.48%
2,160	15.0	\$242.42	\$256.05	\$13.63	5.62%	\$89.13	\$89.13	\$0.00	0.00%	\$331.55	\$345.18	\$13.63	4.11%
3,240	15.0	\$242.42 \$249.96	\$263.60	\$13.64	5.46%	\$133.69	\$133.69	\$0.00	0.00%	\$383.65	\$397.29	\$13.64	3.56%
4,320	15.0	\$257.50	\$271.14	\$13.64	5.30%	\$178.26	\$178.26	\$0.00	0.00%	\$435.76	\$449.40	\$13.64	3.13%
5,400	15.0	\$265.04	\$271.14	\$13.64	5.15%	\$222.82	\$222.82	\$0.00	0.00%	\$487.86	\$501.50	\$13.64	2.80%
3,400	13.0	3203.04	\$270.00	313.04	3.1370	\$222.02	\$222.02	\$0.00	0.0076	3467.00	\$301.30	\$13.04	2.0070
3,600	25.0	\$368.66	\$391.39	\$22.73	6.17%	\$148.55	\$148.55	\$0.00	0.00%	\$517.21	\$539.94	\$22.73	4.39%
5,400	25.0	\$381.23	\$403.96	\$22.73	5.96%	\$222.82	\$222.82	\$0.00	0.00%	\$604.05	\$626.78	\$22.73	3.76%
7,000	25.0	\$392.40	\$415.13	\$22.73	5.79%	\$288.84	\$288.84	\$0.00	0.00%	\$681.24	\$703.97	\$22.73	3.34%
9,000	25.0	\$406.37	\$429.10	\$22.73	5.59%	\$371.37	\$371.37	\$0.00	0.00%	\$777.74	\$800.47	\$22.73	2.92%
5,760	40.0	\$558.03	\$594.39	\$36.36	6.52%	\$237.68	\$237.68	\$0.00	0.00%	\$795.71	\$832.07	\$36.36	4.57%
8,640	40.0	\$578.14	\$614.50	\$36.36	6.29%	\$356.52	\$356.52	\$0.00	0.00%	\$934.66	\$971.02	\$36.36	3.89%
11,520	40.0	\$598.25	\$634.61	\$36.36	6.08%	\$475.36	\$475.36	\$0.00	0.00%	\$1,073.61	\$1,109.97	\$36.36	3.39%
14,400	40.0	\$618.36	\$654.73	\$36.37	5.88%	\$594.19	\$594.19	\$0.00	0.00%	\$1,212.55	\$1,248.92	\$36.37	3.00%
8.640	60.0	\$810.52	\$865.06	\$54.54	6.73%	\$356.52	\$356.52	\$0.00	0.00%	\$1.167.04	\$1,221.58	\$54.54	4.67%
12,960	60.0	\$840.68	\$895.23	\$54.55 \$54.55	6.49%	\$534.77	\$534.77	\$0.00	0.00%	\$1,107.04	\$1,430.00	\$54.55	3.97%
17,280	60.0	\$870.85	\$895.25 \$925.40	\$54.55 \$54.55	6.26%	\$713.03	\$534.77 \$713.03	\$0.00	0.00%	\$1,575.45	\$1,430.00	\$54.55 \$54.55	3.44%
21,600	60.0	\$901.02	\$955.56	\$54.55 \$54.54	6.05%	\$891.29	\$891.29	\$0.00	0.00%	\$1,792.31	\$1,846.85	\$54.54	3.04%
21,000	0.00	3901.02	\$933.30	334.34	0.0376	\$691.29	3091.29	\$0.00	0.00%	31,792.31	\$1,040.63	334.34	3.0470
11.520	80.0	\$1.063.01	\$1.135.73	\$72.72	6.84%	\$475.36	\$475.36	\$0.00	0.00%	\$1.538.37	\$1.611.09	\$72.72	4.73%
17,280	80.0	\$1,103,23	\$1,175.96	\$72.73	6.59%	\$713.03	\$713.03	\$0.00	0.00%	\$1.816.26	\$1,888.99	\$72.73	4.00%
23,040	80.0	\$1,143,45	\$1,216.18	\$72.73	6.36%	\$950.71	\$950.71	\$0.00	0.00%	\$2,094.16	\$2,166.89	\$72.73	3.47%
28,800	80.0	\$1,183.67	\$1,256.40	\$72.73	6.14%	\$1,188.39	\$1,188.39	\$0.00	0.00%	\$2,372.06	\$2,444.79	\$72.73	3.07%
14,400	100.0	\$1,315.50	\$1,406.40	\$90.90	6.91%	\$594.19	\$594.19	\$0.00	0.00%	\$1,909.69	\$2,000.59	\$90.90	4.76%
21,600	100.0	\$1,365.77	\$1,456.68	\$90.91	6.66%	\$891.29	\$891.29	\$0.00	0.00%	\$2,257.06	\$2,347.97	\$90.91	4.03%
28,800	100.0	\$1,416.05	\$1,506.96	\$90.91	6.42%	\$1,188.39	\$1,188.39	\$0.00	0.00%	\$2,604.44	\$2,695.35	\$90.91	3.49%
36,000	100.0	\$1,466.33	\$1,557.24	\$90.91	6.20%	\$1,485.49	\$1,485.49	\$0.00	0.00%	\$2,951.82	\$3,042.73	\$90.91	3.08%

Current		Proposed		
Customer Charge	\$52.52	Customer Charge		52.52
T&D Demand Charge	kW x \$11.46	T&D Demand Charge	kW x	\$12.36
Revenue Decoupling Mechanisn	kW x \$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x \$0.001212	Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x \$0.03612	Commodity Energy Charge	kWh x	\$0.03612
Transmission Revenue Adjustment Charge	kWh x \$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x \$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
NYPA ETIP Credit	kW x \$0.00	NYPA ETIP Credit		\$0.00
Merchant Function Charge	kWh x \$0.00065	Merchant Function Charge	kWh x	\$0.00065
Incremental State Assessment Surcharge	kW x \$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM Surcharge	kW x \$0.04	DLM Surcharge	kW x	\$0.04
CES Supply Charge	kWh x \$0.00408	CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x \$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		Gross Receipts Tax		
Commodity	Bill / 0.9900	Commodity	Bill /	0.9900
Delivery	Bill / 0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GI Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (SECONDARY) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

			Delivery				Commodity					Total		
kWh Usage	kW		Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
														l.
28,800	100.0		1,670.45	\$1,783.58	\$113.13	6.77%	\$1,174.42	\$1,174.42	\$0.00	0.00%	\$2,844.87	\$2,958.00	\$113.13	3.98%
36,000	100.0		1,720.44	\$1,833.57	\$113.13	6.58%	\$1,468.03	\$1,468.03	\$0.00	0.00%	\$3,188.47	\$3,301.60	\$113.13	3.55%
43,200	100.0		1,770.43	\$1,883.56	\$113.13	6.39%	\$1,761.64	\$1,761.64	\$0.00	0.00%	\$3,532.07	\$3,645.20	\$113.13	3.20%
57,600	100.0	\$	1,870.41	\$1,983.54	\$113.13	6.05%	\$2,348.85	\$2,348.85	\$0.00	0.00%	\$4,219.26	\$4,332.39	\$113.13	2.68%
57,600	200.0	\$	2.946.96	\$3,107.56	\$160.60	5.45%	\$2.348.85	\$2.348.85	\$0.00	0.00%	\$5,295.81	\$5,456.41	\$160.60	3.03%
72,000	200.0		3.046.93	\$3,207.54	\$160.61	5.27%	\$2,936.06	\$2,936.06	\$0.00	0.00%	\$5,982.99	\$6.143.60	\$160.61	2.68%
86,400	200.0	-	3.146.91	\$3,307.52	\$160.61	5.10%	\$3.523.27	\$3.523.27	\$0.00	0.00%	\$6.670.18	\$6.830.79	\$160.61	2.41%
115,200	200.0		3.346.87	\$3,507.48	\$160.61	4.80%	\$4.697.70	\$4.697.70	\$0.00	0.00%	\$8.044.57	\$8,205.18	\$160.61	2.00%
113,200	200.0	9.	3,340.67	\$5,507.46	\$100.01	4.0070	34,097.70	34,097.70	30.00	0.0076	\$6,044.57	36,203.16	\$100.01	2.0070
72,000	250.0	\$:	3,585.21	\$3,769.55	\$184.34	5.14%	\$2,936.06	\$2,936.06	\$0.00	0.00%	\$6,521.27	\$6,705.61	\$184.34	2.83%
90,000	250.0	\$:	3,710.18	\$3,894.53	\$184.35	4.97%	\$3,670.08	\$3,670.08	\$0.00	0.00%	\$7,380.26	\$7,564.61	\$184.35	2.50%
100,000	250.0	\$:	3,779.61	\$3,963.96	\$184.35	4.88%	\$4,077.86	\$4,077.86	\$0.00	0.00%	\$7,857.47	\$8,041.82	\$184.35	2.35%
144,000	250.0	\$4	4,085.10	\$4,269.45	\$184.35	4.51%	\$5,872.12	\$5,872.12	\$0.00	0.00%	\$9,957.22	\$10,141.57	\$184.35	1.85%
144,000	500.0		6.776.48	\$7,079.51	\$303.03	4.47%	\$5.872.12	\$5.872.12	\$0.00	0.00%	\$12.648.60	\$12.951.63	\$303.03	2.40%
180,000	500.0		7,026.43	\$7,329.46	\$303.03	4.31%	\$7,340.15	\$7,340.15	\$0.00	0.00%	\$14.366.58	\$14,669.61	\$303.03	2.11%
216,000	500.0		7,276.37	\$7,579.40	\$303.03	4.16%	\$8,808.19	\$8.808.19	\$0.00	0.00%	\$16,084.56	\$16,387.59	\$303.03	1.88%
288.000	500.0		7.776.27	\$8.079.30	\$303.03	3.90%	\$11.744.25	\$11.744.25	\$0.00	0.00%	\$19,520.52	\$19.823.55	\$303.03	1.55%
288,000	300.0		1,110.21	\$6,079.30	\$303.03	3.90%	311,/44.23	\$11,744.23	30.00	0.0076	\$19,320.32	\$19,023.33	\$303.03	1.3370
216,000	750.0	\$1	9,967.75	\$10,389.47	\$421.72	4.23%	\$8,808.19	\$8,808.19	\$0.00	0.00%	\$18,775.94	\$19,197.66	\$421.72	2.25%
270,000	750.0		0,342.67	\$10,764.39	\$421.72	4.08%	\$11,010.23	\$11,010.23	\$0.00	0.00%	\$21,352.90	\$21,774.62	\$421.72	1.97%
324,000	750.0	\$10	0,717.59	\$11,139.31	\$421.72	3.93%	\$13,212.28	\$13,212.28	\$0.00	0.00%	\$23,929.87	\$24,351.59	\$421.72	1.76%
432,000	750.0	\$1	1,467.43	\$11,889.15	\$421.72	3.68%	\$17,616.37	\$17,616.37	\$0.00	0.00%	\$29,083.80	\$29,505.52	\$421.72	1.45%
432,000	1,500.0	\$10	9.541.56	\$20.319.34	\$777.78	3.98%	\$17.616.37	\$17.616.37	\$0.00	0.00%	\$37.157.93	\$37.935.71	\$777.78	2.09%
540,000	1,500.0		0.291.40	\$21,069.18	\$777.78	3.83%	\$22.020.46	\$22.020.46	\$0.00	0.00%	\$42.311.86	\$43.089.64	\$777.78	1.84%
648,000	1,500.0		1,041.24	\$21,819.02	\$777.78	3.70%	\$26,424.56	\$26,424.56	\$0.00	0.00%	\$47,465.80	\$48,243.58	\$777.78	1.64%
864,000	1,500.0		2,540.93	\$23,318.70	\$777.77	3.45%	\$35,232.74	\$35,232.74	\$0.00	0.00%	\$57,773.67	\$58,551.44	\$777.77	1.35%
576,000	2,000.0		5,924.10	\$26,939.25	\$1,015.15	3.92%	\$23,488.49	\$23,488.49	\$0.00	0.00%	\$49,412.59	\$50,427.74	\$1,015.15	2.05%
720,000	2,000.0		6,923.89	\$27,939.04	\$1,015.15	3.77%	\$29,360.62	\$29,360.62	\$0.00	0.00%	\$56,284.51	\$57,299.66	\$1,015.15	1.80%
864,000	2,000.0		7,923.68	\$28,938.83	\$1,015.15	3.64%	\$35,232.74	\$35,232.74	\$0.00	0.00%	\$63,156.42	\$64,171.57	\$1,015.15	1.61%
1,152,000	2,000.0	\$25	9,923.26	\$30,938.41	\$1,015.15	3.39%	\$46,976.99	\$46,976.99	\$0.00	0.00%	\$76,900.25	\$77,915.40	\$1,015.15	1.32%

Current			<u>Proposed</u>		
Customer Charge		\$390.00	Customer Charge		455.00
T&D Demand Charge	kW x	\$10.62	T&D Demand Charge	kW x	\$11.09
Revenue Decoupling Mechanisn	kW x	\$0.00	Revenue Decoupling Mechanisn	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212	Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03564	Commodity Energy Charge	kWh x	\$0.03564
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005661	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005661
NYPA ETIP Credit	kW x	(0.005)	NYPA ETIP Credit	kW x	(\$0.005)
Merchant Function Charge	kWh x	\$0.00065	Merchant Function Charge	kWh x	\$0.00065
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408	CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GF Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (PRIMARY) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

			Deliver	y			Commodity Total						
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Curre	nt Proposed	Difference	Change
28,800	100.0	\$1,566.48	\$1,625.07	\$58.59	3.74%	\$1,139.22	\$1,139.22	\$0.00	0.00%	\$2,705.7		\$58.59	2.17%
36,000	100.0	\$1,615.00	\$1,673.59	\$58.59	3.63%	\$1,424.03	\$1,424.03	\$0.00	0.00%	\$3,039.0	3 \$3,097.62	\$58.59	1.93%
43,200	100.0	\$1,663.52	\$1,722.11	\$58.59	3.52%	\$1,708.84	\$1,708.84	\$0.00	0.00%	\$3,372.3	6 \$3,430.95	\$58.59	1.74%
57,600	100.0	\$1,760.57	\$1,819.16	\$58.59	3.33%	\$2,278.45	\$2,278.45	\$0.00	0.00%	\$4,039.0	2 \$4,097.61	\$58.59	1.45%
57,600	200.0	\$2,691.85	\$2,809.02	\$117.17	4.35%	\$2,278.45	\$2,278.45	\$0.00	0.00%	\$4,970.3	0 \$5,087.47	\$117.17	2.36%
72,000	200.0	\$2,788.89	\$2,906.07	\$117.18	4.20%	\$2,848.06	\$2,848.06	\$0.00	0.00%	\$5,636.9	5 \$5,754.13	\$117.18	2.08%
86,400	200.0	\$2,885.94	\$3,003.11	\$117.17	4.06%	\$3,417.67	\$3,417.67	\$0.00	0.00%	\$6,303.6	1 \$6,420.78	\$117.17	1.86%
115,200	200.0	\$3,080.03	\$3,197.20	\$117.17	3.80%	\$4,556.90	\$4,556.90	\$0.00	0.00%	\$7,636.9	3 \$7,754.10	\$117.17	1.53%
72,000	250.0	\$3,254.53	\$3,401.00	\$146.47	4.50%	\$2,848.06	\$2,848.06	\$0.00	0.00%	\$6,102.5	9 \$6,249.06	\$146.47	2.40%
90,000	250.0	\$3,375.84	\$3,522.30	\$146.46	4.34%	\$3,560.08	\$3,560.08	\$0.00	0.00%	\$6,935.9	2 \$7,082.38	\$146.46	2.11%
108,000	250.0	\$3,497.15	\$3,643.61	\$146.46	4.19%	\$4,272.09	\$4,272.09	\$0.00	0.00%	\$7,769.2	4 \$7,915.70	\$146.46	1.89%
144,000	250.0	\$3,739.76	\$3,886.22	\$146.46	3.92%	\$5,696.12	\$5,696.12	\$0.00	0.00%	\$9,435.8	8 \$9,582.34	\$146.46	1.55%
144,000	500.0	\$6,067.95	\$6,360.88	\$292.93	4.83%	\$5,696.12	\$5,696.12	\$0.00	0.00%	\$11,764.0		\$292.93	2.49%
180,000	500.0	\$6,310.57	\$6,603.50	\$292.93	4.64%	\$7,120.15	\$7,120.15	\$0.00	0.00%	\$13,430.7		\$292.93	2.18%
225,000	500.0	\$6,613.83	\$6,906.76	\$292.93	4.43%	\$8,900.19	\$8,900.19	\$0.00	0.00%	\$15,514.0	2 \$15,806.95	\$292.93	1.89%
288,000	500.0	\$7,038.41	\$7,331.34	\$292.93	4.16%	\$11,392.25	\$11,392.25	\$0.00	0.00%	\$18,430.6	6 \$18,723.59	\$292.93	1.59%
216,000	750.0	\$8,881.38	\$9,320.77	\$439.39	4.95%	\$8,544.19	\$8,544.19	\$0.00	0.00%	\$17,425.5		\$439.39	2.52%
270,000	750.0	\$9,245.30	\$9,684.69	\$439.39	4.75%	\$10,680.23	\$10,680.23	\$0.00	0.00%	\$19,925.5		\$439.39	2.21%
324,000	750.0	\$9,609.21	\$10,048.61	\$439.40	4.57%	\$12,816.28	\$12,816.28	\$0.00	0.00%	\$22,425.4		\$439.40	1.96%
432,000	750.0	\$10,337.05	\$10,776.45	\$439.40	4.25%	\$17,088.37	\$17,088.37	\$0.00	0.00%	\$27,425.4	2 \$27,864.82	\$439.40	1.60%
432,000	1,500.0	\$17,321.64	\$18,200.43	\$878.79	5.07%	\$17,088.37	\$17,088.37	\$0.00	0.00%	\$34,410.0		\$878.79	2.55%
540,000	1,500.0	\$18,049.48	\$18,928.27	\$878.79	4.87%	\$21,360.46	\$21,360.46	\$0.00	0.00%	\$39,409.9		\$878.79	2.23%
648,000	1,500.0	\$18,777.32	\$19,656.11	\$878.79	4.68%	\$25,632.56	\$25,632.56	\$0.00	0.00%	\$44,409.8		\$878.79	1.98%
864,000	1,500.0	\$20,233.00	\$21,111.79	\$878.79	4.34%	\$34,176.74	\$34,176.74	\$0.00	0.00%	\$54,409.7	4 \$55,288.53	\$878.79	1.62%
576,000	2,000.0	\$22,948.48	\$24,120.20	\$1,171.72	5.11%	\$22,784.49	\$22,784.49	\$0.00	0.00%	\$45,732.9		\$1,171.72	2.56%
720,000	2,000.0	\$23,918.93	\$25,090.65	\$1,171.72	4.90%	\$28,480.62	\$28,480.62	\$0.00	0.00%	\$52,399.5		\$1,171.72	2.24%
864,000	2,000.0	\$24,889.39	\$26,061.11	\$1,171.72	4.71%	\$34,176.74	\$34,176.74	\$0.00	0.00%	\$59,066.1		\$1,171.72	1.98%
1,152,000	2,000.0	\$26,830.29	\$28,002.01	\$1,171.72	4.37%	\$45,568.99	\$45,568.99	\$0.00	0.00%	\$72,399.2	8 \$73,571.00	\$1,171.72	1.62%

Current			Proposed		
Customer Charge		\$436.70	Customer Charge		436.70
T&D Demand Charge	kW x	\$9.21	T&D Demand Charge	kW x	\$9.79
Revenue Decoupling Mechanisn	kW x	\$0.00	Revenue Decoupling Mechanisn	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212	Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03443	Commodity Energy Charge	kWh x	\$0.03443
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005460	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005460
NYPA ETIP Credit	kW x	(\$0.03)	NYPA ETIP Credit	kW x	(\$0.03)
Merchant Function Charge	kWh x	\$0.00065	Merchant Function Charge	kWh x	\$0.00065
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408	CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GI Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charage and Commodity GR

## NIAGARA MOHAWK POWER CORPORATION d'b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

			Deliv	ery			Comm	odity			Tot	al	
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	\$1,160.61	\$1,249.50	\$88.89	7.66%	\$1,115.08	\$1,115.08	\$0.00	0.00%	\$2,275.69	\$2,364.58	\$88.89	3.91%
36,000	100.0	\$1,202.20	\$1,291.09	\$88.89	7.39%	\$1,393.85	\$1,393.85	\$0.00	0.00%	\$2,596.05	\$2,684.94	\$88.89	3.42%
43,200	100.0	\$1,243.80	\$1,332.68	\$88.88	7.15%	\$1,672.62	\$1,672.62	\$0.00	0.00%	\$2,916.42	\$3,005.30	\$88.88	3.05%
57,600	100.0	\$1,326.98	\$1,415.87	\$88.89	6.70%	\$2,230.16	\$2,230.16	\$0.00	0.00%	\$3,557.14	\$3,646.03	\$88.89	2.50%
57,600	200.0	\$1,602.03	\$1,705.06	\$103.03	6.43%	\$2,230.16	\$2,230.16	\$0.00	0.00%	\$3,832.19	\$3,935.22	\$103.03	2.69%
72,000	200.0	\$1,685.21	\$1,788.24	\$103.03	6.11%	\$2,787.70	\$2,787.70	\$0.00	0.00%	\$4,472.91	\$4,575.94	\$103.03	2.30%
86,400	200.0	\$1,768.40	\$1,871.43	\$103.03	5.83%	\$3,345.24	\$3,345.24	\$0.00	0.00%	\$5,113.64	\$5,216.67	\$103.03	2.01%
115,200	200.0	\$1,934.77	\$2,037.80	\$103.03	5.33%	\$4,460.32	\$4,460.32	\$0.00	0.00%	\$6,395.09	\$6,498.12	\$103.03	1.61%
72,000	250.0	\$1,822.73	\$1,932.84	\$110.11	6.04%	\$2,787.70	\$2,787.70	\$0.00	0.00%	\$4,610.43	\$4,720.54	\$110.11	2.39%
90,000	250.0	\$1,926.72	\$2,036.82	\$110.10	5.71%	\$3,484.62	\$3,484.62	\$0.00	0.00%	\$5,411.34	\$5,521.44	\$110.10	2.03%
108,000	250.0	\$2,030.70	\$2,140.80	\$110.10	5.42%	\$4,181.55	\$4,181.55	\$0.00	0.00%	\$6,212.25	\$6,322.35	\$110.10	1.77%
144,000	250.0	\$2,238.66	\$2,348.77	\$110.11	4.92%	\$5,575.40	\$5,575.40	\$0.00	0.00%	\$7,814.06	\$7,924.17	\$110.11	1.41%
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144,000	500.0	\$2,926.28	\$3,071.73	\$145.45	4.97%	\$5,575.40	\$5,575.40	\$0.00	0.00%	\$8,501.68	\$8,647.13	\$145.45	1.71%
180,000	500.0	\$3,134.24	\$3,279.70	\$145.46	4.64%	\$6,969.25	\$6,969.25	\$0.00	0.00%		\$10,248.95	\$145.46	1.44%
216,000	500.0	\$3,342.21	\$3,487.66	\$145.45	4.35%	\$8,363.09	\$8,363.09	\$0.00	0.00%	\$11,705.30	\$11,850.75	\$145.45	1.24%
288,000	500.0	\$3,758.14	\$3,903.59	\$145.45	3.87%	\$11,150.79	\$11,150.79	\$0.00	0.00%	\$14,908.93	\$15,054.38	\$145.45	0.98%
216,000	800.0	\$4,167.34	\$4,355.22	\$187.88	4.51%	\$8,363.09	\$8,363.09	\$0.00	0.00%	\$12,530.43		\$187.88	1.50%
270,000	800.0	\$4,479.29	\$4,667.17	\$187.88	4.19%	\$10,453.87	\$10,453.87	\$0.00	0.00%	\$14,933.16	\$15,121.04	\$187.88	1.26%
320,000	800.0	\$4,768.13	\$4,956.01	\$187.88	3.94%	\$12,389.77	\$12,389.77	\$0.00	0.00%	\$17,157.90	\$17,345.78	\$187.88	1.10%
432,000	800.0	\$5,415.13	\$5,603.01	\$187.88	3.47%	\$16,726.19	\$16,726.19	\$0.00	0.00%	\$22,141.32	\$22,329.20	\$187.88	0.85%
432,000	1,500.0	\$7,340.45	\$7,627.32	\$286.87	3.91%	\$16,726.19	\$16,726.19	\$0.00	0.00%		\$24,353.51	\$286.87	1.19%
540,000	1,500.0	\$7,964.34	\$8,251.21	\$286.87	3.60%	\$20,907.74	\$20,907.74	\$0.00	0.00%		\$29,158.95	\$286.87	0.99%
648,000	1,500.0	\$8,588.24	\$8,875.11	\$286.87	3.34%	\$25,089.28	\$25,089.28	\$0.00	0.00%		\$33,964.39	\$286.87	0.85%
864,000	1,500.0	\$9,836.03	\$10,122.90	\$286.87	2.92%	\$33,452.38	\$33,452.38	\$0.00	0.00%	\$43,288.41	\$43,575.28	\$286.87	0.66%
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576,000	2,000.0	\$9,547.53	\$9,905.11	\$357.58	3.75%	\$22,301.59	\$22,301.59	\$0.00	0.00%		\$32,206.70	\$357.58	1.12%
720,000	2,000.0	\$10,379.39	\$10,736.97	\$357.58	3.45%	\$27,876.98	\$27,876.98	\$0.00	0.00%		\$38,613.95	\$357.58	0.93%
864,000	2,000.0		\$11,568.83	\$357.58	3.19%	\$33,452.38	\$33,452.38	\$0.00	0.00%		\$45,021.21	\$357.58	0.80%
1,152,000	2,000.0	\$12,874.98	\$13,232.55	\$357.57	2.78%	\$44,603.17	\$44,603.17	\$0.00	0.00%	\$57,478.15	\$57,835.72	\$357.57	0.62%

Current		1	Proposed		
Customer Charge	\$7	3712.00	Customer Charge		\$786.00
T&D Demand Charge	kW x	\$2.82	T&D Demand Charge	kW x	\$2.96
Revenue Decoupling Mechanisn	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x \$0.00	01212	Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x \$0.0	03360	Commodity Energy Charge	kWh x	\$0.03360
Transmission Revenue Adjustment Charge	kWh x \$0.0	00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x \$0.00	04507	Systems Benefits Charge (CEF/EES)	kWh x	\$0.004507
NYPA ETIP Credit	kW x (S	(\$0.14)	NYPA ETIP Credit	kW x	(\$0.14)
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x \$0.0	00408	CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x \$0.0	00000	CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x \$0.0	00065	Merchant Function Charge	kWh x	\$0.00065
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge and Delivery GI Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3-LARGE GENERAL SERVICE (TRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

			Delive	ry		Commodity					Total		
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	\$1,143.60	\$1,232.49	\$88.89	7.77%	\$1,128.75	\$1,128.75	\$0.00	0.00%	\$2,272.35	\$2,361.24	\$88.89	3.91%
36,000	100.0	\$1,182.17	\$1,271.06	\$88.89	7.52%	\$1,410.94	\$1,410.94	\$0.00	0.00%	\$2,593.11	\$2,682.00	\$88.89	3.43%
43,200	100.0	\$1,220.74	\$1,309.63	\$88.89	7.28%	\$1,693.13	\$1,693.13	\$0.00	0.00%	\$2,913.87	\$3,002.76	\$88.89	3.05%
57,600	100.0	\$1,297.88	\$1,386.77	\$88.89	6.85%	\$2,257.50	\$2,257.50	\$0.00	0.00%	\$3,555.38	\$3,644.27	\$88.89	2.50%
57,600	200.0	\$1,568.01	\$1,671.04	\$103.03	6.57%	\$2,257.50	\$2,257.50	\$0.00	0.00%	\$3,825.51	\$3,928.54	\$103.03	2.69%
72,000	200.0	\$1,645.15	\$1,748.18	\$103.03	6.26%	\$2,821.88	\$2,821.88	\$0.00	0.00%	\$4,467.03	\$4.570.06	\$103.03	2.31%
86,400	200.0	\$1,722.29	\$1,825.32	\$103.03	5.98%	\$3,386.26	\$3,386.26	\$0.00	0.00%	\$5,108.55	\$5,211.58	\$103.03	2.02%
115,200	200.0	\$1,876.57	\$1,979.61	\$103.04	5.49%	\$4.515.01	\$4,515.01	\$0.00	0.00%	\$6,391.58	\$6,494.62	\$103.04	1.61%
113,200	200.0	\$1,670.57	\$1,979.01	\$105.04	3.4970	\$4,313.01	\$4,515.01	30.00	0.0076	30,391.36	30,494.02	\$105.04	1.0176
72,000	250.0	\$1,780.22	\$1,890.32	\$110.10	6.18%	\$2,821.88	\$2,821.88	\$0.00	0.00%	\$4,602.10	\$4,712.20	\$110.10	2.39%
90,000	250.0	\$1,876.64	\$1,986.75	\$110.11	5.87%	\$3,527.35	\$3,527.35	\$0.00	0.00%	\$5,403.99	\$5,514.10	\$110.11	2.04%
108,000	250.0	\$1,973.07	\$2,083.17	\$110.10	5.58%	\$4,232.82	\$4,232.82	\$0.00	0.00%	\$6,205.89	\$6,315.99	\$110.10	1.77%
144,000	250.0	\$2,165.92	\$2,276.02	\$110.10	5.08%	\$5,643.76	\$5,643.76	\$0.00	0.00%	\$7,809.68	\$7,919.78	\$110.10	1.41%
144,000	500.0	62.041.25	62.006.70	6145 45	5.100/	05 (42 56	65 (42 7)	60.00	0.000/	60 405 01	60 (20 4)	6145.45	1.710/
144,000	500.0	\$2,841.25	\$2,986.70	\$145.45	5.12%	\$5,643.76	\$5,643.76	\$0.00	0.00%	\$8,485.01	\$8,630.46	\$145.45	1.71%
180,000	500.0	\$3,034.10	\$3,179.55	\$145.45	4.79%	\$7,054.70	\$7,054.70	\$0.00	0.00%	\$10,088.80	\$10,234.25	\$145.45	1.44%
216,000	500.0	\$3,226.95	\$3,372.40	\$145.45	4.51%	\$8,465.64	\$8,465.64	\$0.00	0.00%	\$11,692.59	\$11,838.04	\$145.45	1.24%
288,000	500.0	\$3,612.65	\$3,758.10	\$145.45	4.03%	\$11,287.52	\$11,287.52	\$0.00	0.00%	\$14,900.17	\$15,045.62	\$145.45	0.98%
216,000	800.0	\$4,037.34	\$4,225.22	\$187.88	4.65%	\$8,465.64	\$8,465.64	\$0.00	0.00%	\$12,502.98	\$12,690.86	\$187.88	1.50%
270,000	800.0	\$4,326,62	\$4.514.50	\$187.88	4.34%	\$10.582.05	\$10.582.05	\$0.00	0.00%	\$14,908.67	\$15.096.55	\$187.88	1.26%
320,000	800.0	\$4,594,46	\$4,782,34	\$187.88	4.09%	\$12,541.69	\$12,541.69	\$0.00	0.00%	\$17.136.15	\$17.324.03	\$187.88	1.10%
432,000	800.0	\$5,194.44	\$5,382.32	\$187.88	3.62%	\$16,931.28	\$16,931.28	\$0.00	0.00%	\$22,125.72	\$22,313.60	\$187.88	0.85%
422.000	1 500 0	67.005.26	67.272.22	6207.07	4.050/	616 021 20	617 021 20	60.00	0.000/	624.016.64	624 202 51	6207.07	1.100/
432,000	1,500.0	\$7,085.36	\$7,372.23	\$286.87	4.05%	\$16,931.28	\$16,931.28	\$0.00	0.00%	\$24,016.64	\$24,303.51	\$286.87	1.19%
540,000	1,500.0	\$7,663.91	\$7,950.78	\$286.87	3.74%	\$21,164.10	\$21,164.10	\$0.00	0.00%	\$28,828.01	\$29,114.88	\$286.87	1.00%
648,000	1,500.0	\$8,242.46	\$8,529.33	\$286.87	3.48%	\$25,396.92	\$25,396.92	\$0.00	0.00%	\$33,639.38	\$33,926.25	\$286.87	0.85%
864,000	1,500.0	\$9,399.56	\$9,686.43	\$286.87	3.05%	\$33,862.56	\$33,862.56	\$0.00	0.00%	\$43,262.12	\$43,548.99	\$286.87	0.66%
576,000	2,000.0	\$9,207.41	\$9,564.99	\$357.58	3.88%	\$22,575.04	\$22,575.04	\$0.00	0.00%	\$31,782.45	\$32,140.03	\$357.58	1.13%
720,000	2,000.0	\$9,978.82	\$10,336.39	\$357.57	3.58%	\$28,218.80	\$28,218.80	\$0.00	0.00%	\$38,197.62	\$38,555.19	\$357.57	0.94%
864,000	2,000.0	\$10,750.22	\$11.107.79	\$357.57	3.33%	\$33,862.56	\$33.862.56	\$0.00	0.00%	\$44,612.78	\$44,970.35	\$357.57	0.80%
1.152.000	2,000.0	\$12,293.02	\$12,650.60	\$357.58	2.91%	\$45,150.08	\$45,150.08	\$0.00	0.00%	\$57,443.10	\$57.800.68	\$357.58	0.62%

Current			Proposed		
Customer Charge		712.00	Customer Charge	1337	786.00
T&D Demand Charge		\$2.82	T&D Demand Charge	kW x	\$2.96
Revenue Decoupling Mechanism		\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x \$0.00	01212	Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x \$0.0	.03407	Commodity Energy Charge	kWh x	\$0.03407
Transmission Revenue Adjustment Charge	kWh x \$0.0	.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x \$0.00	04091	Systems Benefits Charge (CEF/EES)	kWh x	\$0.004091
NYPA ETIP Credit	kW x	(\$0.19)	NYPA ETIP Credit	kW x	(\$0.19)
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x \$0.00	04080	CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x \$0.00	000000	CES Delivery Charge	kWh x	\$0.000000
Merchant Function Charge	kWh x \$0.0	.00065	Merchant Function Charge	kWh x	0.00065
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Chargeand Delivery GF Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (SECONDARY) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

				Delive	ry			Commo	dity			Total	l	
kWh Usage On-	Peak Pct	kW	Curren	roposed Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	\$32,349.41	\$34,075.00	\$1,725.59	5.33%	\$29,540.98	\$29,540.98	\$0.00	0.00%	\$61,890.39	\$63,615.98	\$1,725.59	2.79%
720,000	50%	2,500.0	\$32,349.41	\$34,075.00	\$1,725.59	5.33%	\$28,066.07	\$28,066.07	\$0.00	0.00%	\$60,415.48	\$62,141.07	\$1,725.59	2.86%
720,000	40%	2,500.0	\$32,349.41	\$34,075.00	\$1,725.59	5.33%	\$26,591.16	\$26,591.16	\$0.00	0.00%	\$58,940.57	\$60,666.16	\$1,725.59	2.93%
1,250,000	60%	2,500.0	\$36,050.40	\$37,775.98	\$1,725.59	4.79%	\$51,286.43	\$51,286.43	\$0.00	0.00%	\$87,336.83	\$89,062.41	\$1,725.59	1.98%
1,250,000	50%	2,500.0	\$36,050.40	\$37,775.98	\$1,725.59	4.79%	\$48,725.82	\$48,725.82	\$0.00	0.00%	\$84,776.22	\$86,501.80	\$1,725.59	2.04%
1,250,000	40%	2,500.0	\$36,050.40	\$37,775.98	\$1,725.59	4.79%	\$46,165.21	\$46,165.21	\$0.00	0.00%	\$82,215.61	\$83,941.19	\$1,725.59	2.10%
1,440,000	60%	2,500.0	\$37,377.17	\$39,102.75	\$1,725.59	4.62%	\$59,081.96	\$59,081.96	\$0.00	0.00%	\$96,459.13	\$98,184.71	\$1,725.59	1.79%
1,440,000	50%	2,500.0	\$37,377.17	\$39,102.75	\$1,725.59	4.62%	\$56,132.14	\$56,132.14	\$0.00	0.00%	\$93,509.31	\$95,234.89	\$1,725.59	1.85%
1,440,000	40%	2,500.0	\$37,377.17	\$39,102.75	\$1,725.59	4.62%	\$53,182.33	\$53,182.33	\$0.00	0.00%	\$90,559.50	\$92,285.08	\$1,725.59	1.91%
1,008,000	60%	3,500.0	\$44,615.77	\$46,896.92	\$2,281.14	5.11%	\$41,357.37	\$41,357.37	\$0.00	0.00%	\$85,973.14	\$88,254.29	\$2,281.14	2.65%
1,008,000	50%	3,500.0	\$44,615.77	\$46,896.92	\$2,281.14	5.11%	\$39,292.50	\$39,292.50	\$0.00	0.00%	\$83,908.27	\$86,189.42	\$2,281.14	2.72%
1,008,000	40%	3,500.0	\$44,615.77	\$46,896.92	\$2,281.14	5.11%	\$37,227.63	\$37,227.63	\$0.00	0.00%	\$81,843.40	\$84,124.55	\$2,281.14	2.79%
1,512,000	60%	3,500.0	\$48,135.20	\$50,416.34	\$2,281.14	4.74%	\$62,036.06	\$62,036.06	\$0.00	0.00%	\$110,171.26	\$112,452.40	\$2,281.14	2.07%
1,512,000	50%	3,500.0	\$48,135.20	\$50,416.34	\$2,281.14	4.74%	\$58,938.75	\$58,938.75	\$0.00	0.00%	\$107,073.95	\$109,355.09	\$2,281.14	2.13%
1,512,000	40%	3,500.0	\$48,135.20	\$50,416.34	\$2,281.14	4.74%	\$55,841.44	\$55,841.44	\$0.00	0.00%	\$103,976.64	\$106,257.78	\$2,281.14	2.19%
1,512,000	40%	3,300.0	\$48,133.20	\$30,416.34	\$2,281.14	4.74%	\$33,841.44	\$33,841.44	\$0.00	0.00%	\$103,976.04	\$106,237.78	\$2,281.14	2.19%
2,016,000	60%	3,500.0	\$51,654.63	\$53,935.77	\$2,281.14	4.42%	\$82,714.75	\$82,714.75	\$0.00	0.00%	\$134,369.38	\$136,650.52	\$2,281.14	1.70%
2,016,000	50%	3,500.0	\$51,654.63	\$53,935.77	\$2,281.14	4.42%	\$78,585.00	\$78,585.00	\$0.00	0.00%	\$130,239.63	\$132,520.77	\$2,281.14	1.75%
2,016,000	40%	3,500.0	\$51,654.63	\$53,935.77	\$2,281.14	4.42%	\$74,455.26	\$74,455.26	\$0.00	0.00%	\$126,109.89	\$128,391.03	\$2,281.14	1.81%
1,152,000	60%	4,000.0	\$50,748.96	\$53,307.88	\$2,558.92	5.04%	\$47,265.57	\$47,265.57	\$0.00	0.00%	\$98,014.53	\$100,573.45	\$2,558.92	2.61%
1,152,000	50%	4,000.0	\$50,748.96	\$53,307.88	\$2,558.92	5.04%	\$44,905.72	\$44,905.72	\$0.00	0.00%	\$95,654.68	\$98,213.60	\$2,558.92	2.68%
1,152,000	40%	4,000.0	\$50,748.96	\$53,307.88	\$2,558.92	5.04%	\$42,545.86	\$42,545.86	\$0.00	0.00%	\$93,294.82	\$95,853.74	\$2,558.92	2.74%
1,728,000	60%	4.000.0	\$54.771.16	\$57.330.08	\$2,558.92	4.67%	\$70.898.36	\$70.898.36	\$0.00	0.00%	\$125,669,52	\$128.228.44	\$2,558.92	2.04%
1,728,000	50%	4,000.0	\$54,771.16	\$57,330.08	\$2,558.92	4.67%	\$67,358.57	\$67.358.57	\$0.00	0.00%	\$122,129,73	\$124,688.65	\$2,558.92	2.10%
1,728,000	40%	4,000.0	\$54,771.16	\$57,330.08	\$2,558.92	4.67%	\$63,818.79	\$63,818.79	\$0.00	0.00%	\$118,589.95	\$121,148.87	\$2,558.92	2.16%
2,304,000	60%	4.000.0	\$58,793.36	\$61,352.28	\$2,558.92	4.35%	\$94,531.14	\$94,531.14	\$0.00	0.00%	\$153,324,50	\$155,883.42	\$2,558.92	1.67%
2,304,000	50%	4,000.0	\$58,793.36	\$61,352.28	\$2,558.92	4.35%	\$89,811.43	\$89,811.43	\$0.00	0.00%	\$148,604.79	\$151,163.71	\$2,558.92	1.72%
2,304,000	40%	4,000.0	\$58,793.36	\$61,352.28	\$2,558.92	4.35%	\$85,091.72	\$85,091.72	\$0.00	0.00%	\$143,885.08	\$146,444.00	\$2,558.92	1.78%
2 000 000	60%	13,500.0	\$167.279.40	\$175 116 10	\$7.926.70	4.68%	\$159.521.30	\$159,521.30	\$0.00	0.00%	\$226 800 70	\$334.637.40	\$7,836.70	2.40%
3,888,000 3,888,000	50%	13,500.0	\$167,279.40		\$7,836.70 \$7,836.70	4.68%	\$159,521.30 \$151,556.79	\$159,521.30 \$151,556.79	\$0.00 \$0.00	0.00%	\$326,800.70 \$318,836.19	\$334,637.40 \$326,672.89	\$7,836.70 \$7,836.70	2.46%
3,888,000	50% 40%	13,500.0		\$175,116.10	\$7,836.70	4.68%	\$151,556.79	\$151,556.79 \$143,592.28	\$0.00 \$0.00	0.00%	\$318,836.19	\$326,672.89	\$7,836.70 \$7,836.70	2.46%
5,832,000	60%	13,500.0	\$180,854.34	\$188,691.04	\$7,836.70	4.33%	\$239,281.95	\$239,281.95	\$0.00	0.00%	\$420,136.29	\$427,972.99	\$7,836.70	1.87%
5,832,000	50%	13,500.0	\$180,854.34	\$188,691.04	\$7,836.70	4.33%	\$227,335.19	\$227,335.19	\$0.00	0.00%	\$408,189.53	\$416,026.23	\$7,836.70	1.92%
5,832,000	40%	13,500.0	\$180,854.34	\$188,691.04	\$7,836.70	4.33%	\$215,388.42	\$215,388.42	\$0.00	0.00%	\$396,242.76	\$404,079.46	\$7,836.70	1.98%
7,776,000	60%	13,500.0	\$194,429.28	\$202,265.98	\$7,836.70	4.03%	\$319,042.60	\$319,042.60	\$0.00	0.00%	\$513,471.88	\$521,308.58	\$7,836.70	1.53%
7,776,000	50%	13,500.0	\$194,429.28	\$202,265.98	\$7,836.70	4.03%	\$303,113.58	\$303,113.58	\$0.00	0.00%	\$497,542.86	\$505,379.56	\$7,836.70	1.58%
7,776,000	40%	13,500.0	\$194,429.28	\$202,265.98	\$7,836.70	4.03%	\$287,184.56	\$287,184.56	\$0.00	0.00%	\$481,613.84	\$489,450.54	\$7,836.70	1.63%

Current			Proposed		
Customer Charge		\$1,666.67	Customer Charge		2,000.00
T&D Demand Charge	kW x	\$10.11	T&D Demand Charge	kW x	\$10.66
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212	Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge On Peal	kWh x	\$0.04400	Commodity Energy Charge On Peal	kWh x	\$0.04400
Commodity Energy Charge Off Peal	kWh x	\$0.02372	Commodity Energy Charge Off Peal	kWh x	\$0.02372
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701	Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
NYPA ETIP Credit	kW x	\$0.00	NYPA ETIP Credit	kW:	x \$0.00
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408	CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00065	Merchant Function Charge	kWh x	0.00065
C. D. L. T.					
Gross Receipts Tax	D.11.4	0.0000	Gross Receipts Tax	D:II /	0.0000
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Deferral Recovery, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery G Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (PRIMARY) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY21 - Rate Year 3 vs. Rate Year 1

				Delive	ery			Commo	dity			Total		
kWh Usage Or	n-Peak Pct	kW	Curr	nt Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	\$30,634.0		\$1,725.59	5.63%	\$28,868.98	\$28,868.98	\$0.00	0.00%	\$59,503.06	\$61,228.64	\$1,725.59	2.90%
720,000	50%	2,500.0	\$30,634.0		\$1,725.59	5.63%	\$27,444.25	\$27,444.25	\$0.00	0.00%	\$58,078.33	\$59,803.91	\$1,725.59	2.97%
720,000	40%	2,500.0	\$30,634.0	8 \$32,359.66	\$1,725.59	5.63%	\$26,019.53	\$26,019.53	\$0.00	0.00%	\$56,653.61	\$58,379.19	\$1,725.59	3.05%
1,250,000	60%	2,500.0	\$33,504.2	7 \$35,229.86	\$1,725.59	5.15%	\$50.119.76	\$50.119.76	\$0.00	0.00%	\$83.624.03	\$85.349.62	\$1,725.59	2.06%
1,250,000	50%	2,500.0	\$33,504.2		\$1,725.59	5.15%	\$47,646.27	\$47,646.27	\$0.00	0.00%	\$81,150.54	\$82,876.13	\$1,725.59	2.13%
1,250,000	40%	2,500.0	\$33,504.2		\$1,725.59	5.15%	\$45,172.79	\$45,172.79	\$0.00	0.00%	\$78,677.06	\$80,402.65	\$1,725.59	2.19%
1,230,000	4070	2,300.0	333,304.2	7 333,229.80	\$1,723.39	3.1370	343,172.79	343,172.79	30.00	0.0070	\$76,077.00	\$80,402.03	\$1,723.39	2.19/0
1,440,000	60%	2,500.0	\$34,533.2		\$1,725.59	5.00%	\$57,737.96	\$57,737.96	\$0.00	0.00%	\$92,271.17	\$93,996.76	\$1,725.59	1.87%
1,440,000	50%	2,500.0	\$34,533.2		\$1,725.59	5.00%	\$54,888.51	\$54,888.51	\$0.00	0.00%	\$89,421.72	\$91,147.31	\$1,725.59	1.93%
1,440,000	40%	2,500.0	\$34,533.2	1 \$36,258.80	\$1,725.59	5.00%	\$52,039.05	\$52,039.05	\$0.00	0.00%	\$86,572.26	\$88,297.85	\$1,725.59	1.99%
1,008,000	60%	3,500.0	\$42,214.3	0 \$44,495.45	\$2,281.14	5.40%	\$40,416.57	\$40,416.57	\$0.00	0.00%	\$82,630.87	\$84,912.02	\$2,281.14	2.76%
1,008,000	50%	3,500.0	\$42,214.3		\$2,281.14	5.40%	\$38,421.96	\$38,421.96	\$0.00	0.00%	\$80,636.26	\$82,917.41	\$2,281.14	2.83%
1,008,000	40%	3,500.0	\$42,214.3		\$2,281.14	5.40%	\$36,427.34	\$36,427.34	\$0.00	0.00%	\$78,641.64	\$80,922.79	\$2,281.14	2.90%
1,000,000	1070	3,500.0	0.2,21	0 011,190.10	02,201.11	5.1070	930,127.31	930,127.31	\$0.00	0.0070	970,011.01	500,722.77	ψ2,201.11	2.7070
1,512,000	60%	3,500.0	\$44,943.7		\$2,281.14	5.08%	\$60,624.86	\$60,624.86	\$0.00	0.00%	\$105,568.56	\$107,849.70	\$2,281.14	2.16%
1,512,000	50%	3,500.0	\$44,943.7	0 \$47,224.84	\$2,281.14	5.08%	\$57,632.93	\$57,632.93	\$0.00	0.00%	\$102,576.63	\$104,857.77	\$2,281.14	2.22%
1,512,000	40%	3,500.0	\$44,943.7	0 \$47,224.84	\$2,281.14	5.08%	\$54,641.01	\$54,641.01	\$0.00	0.00%	\$99,584.71	\$101,865.85	\$2,281.14	2.29%
2,016,000	60%	3,500.0	\$47,673.0	9 \$49,954.23	\$2,281.14	4.78%	\$80,833.15	\$80,833.15	\$0.00	0.00%	\$128,506.24	\$130,787.38	\$2,281.14	1.78%
2,016,000	50%	3,500.0	\$47,673.0		\$2,281.14	4.78%	\$76,843.91	\$76,843.91	\$0.00	0.00%	\$124,517.00	\$126,798.14	\$2,281.14	1.83%
2,016,000	40%	3,500.0	\$47,673.0		\$2,281.14	4.78%	\$72,854.68	\$72,854.68	\$0.00	0.00%	\$120,527.77	\$122,808.91	\$2,281.14	1.89%
2,010,000	4070	3,300.0	\$47,075.0	, 547,754.25	92,201.14	4.7070	\$72,054.00	\$72,034.00	\$0.00	0.0070	\$120,527.77	\$122,000.71	\$2,201.14	1.0770
1,152,000	60%	4,000.0	\$48,004.4	2 \$50,563.34	\$2,558.92	5.33%	\$46,190.37	\$46,190.37	\$0.00	0.00%	\$94,194.79	\$96,753.71	\$2,558.92	2.72%
1,152,000	50%	4,000.0	\$48,004.4	2 \$50,563.34	\$2,558.92	5.33%	\$43,910.81	\$43,910.81	\$0.00	0.00%	\$91,915.23	\$94,474.15	\$2,558.92	2.78%
1,152,000	40%	4,000.0	\$48,004.4	2 \$50,563.34	\$2,558.92	5.33%	\$41,631.24	\$41,631.24	\$0.00	0.00%	\$89,635.66	\$92,194.58	\$2,558.92	2.85%
1,728,000	60%	4,000.0	\$51,123.7	3 \$53,682.65	\$2,558.92	5.01%	\$69,285.56	\$69,285.56	\$0.00	0.00%	\$120,409.29	\$122,968.21	\$2,558.92	2.13%
1,728,000	50%	4,000.0	\$51,123.7		\$2,558.92	5.01%	\$65,866.21	\$65,866.21	\$0.00	0.00%	\$116.989.94	\$119.548.86	\$2,558.92	2.19%
1,728,000	40%	4,000.0	\$51,123.7		\$2,558.92	5.01%	\$62,446.86	\$62,446.86	\$0.00	0.00%	\$113,570.59	\$116,129.51	\$2,558.92	2.19%
1,728,000	4070	4,000.0	\$31,123.7	333,062.03	\$2,336.92	3.0170	\$02,440.60	302,440.80	\$0.00	0.0076	\$113,370.39	\$110,129.31	\$2,336.92	2.2370
2,304,000	60%	4,000.0	\$54,243.0		\$2,558.92	4.72%	\$92,380.74	\$92,380.74	\$0.00	0.00%	\$146,623.77	\$149,182.69	\$2,558.92	1.75%
2,304,000	50%	4,000.0	\$54,243.0		\$2,558.92	4.72%	\$87,821.61	\$87,821.61	\$0.00	0.00%	\$142,064.64	\$144,623.56	\$2,558.92	1.80%
2,304,000	40%	4,000.0	\$54,243.0	3 \$56,801.95	\$2,558.92	4.72%	\$83,262.49	\$83,262.49	\$0.00	0.00%	\$137,505.52	\$140,064.44	\$2,558.92	1.86%
3,888,000	60%	13,500.0	\$158.016.5	9 \$165.853.28	\$7,836.70	4.96%	\$155.892.50	\$155.892.50	\$0.00	0.00%	\$313.909.09	\$321.745.78	\$7.836.70	2.50%
3,888,000	50%	13,500.0	\$158,016.5		\$7,836.70	4.96%	\$148,198.97	\$148,198.97	\$0.00	0.00%	\$306,215.56	\$314,052.25	\$7,836.70	2.56%
3,888,000	40%	13,500.0	\$158,016.5		\$7,836.70	4.96%		\$140,505.45	\$0.00	0.00%	\$298,522.04	\$306,358.73	\$7,836.70	2.63%
3,000,000		.5,500.0	\$120,010.2	. \$100,000.20	-1,000.10		4110,000.40		φυ.υσ	0.0070	\$250,522.04	4500,550.75	-1,030.10	2.0370
5,832,000	60%	13,500.0	\$168,544.2		\$7,836.70	4.65%	\$233,838.75	\$233,838.75	\$0.00	0.00%	\$402,383.00	\$410,219.70	\$7,836.70	1.95%
5,832,000	50%	13,500.0	\$168,544.2	5 \$176,380.95	\$7,836.70	4.65%	\$222,298.46	\$222,298.46	\$0.00	0.00%	\$390,842.71	\$398,679.41	\$7,836.70	2.01%
5,832,000	40%	13,500.0	\$168,544.2	5 \$176,380.95	\$7,836.70	4.65%	\$210,758.17	\$210,758.17	\$0.00	0.00%	\$379,302.42	\$387,139.12	\$7,836.70	2.07%
7,776,000	60%	13,500.0	\$179.071.9	2 \$186,908.61	\$7,836.70	4.38%	\$311.785.00	\$311,785.00	\$0.00	0.00%	\$490.856.92	\$498.693.61	\$7.836.70	1.60%
7,776,000	50%	13,500.0	\$179,071.9		\$7,836.70	4.38%	\$296,397.94	\$296,397.94	\$0.00	0.00%	\$475,469.86	\$483,306.55	\$7,836.70	1.65%
7,776,000	40%	13,500.0	\$179,071.9		\$7,836.70	4.38%	\$281,010.89		\$0.00	0.00%	\$460,082.81	\$467,919.50	\$7,836.70	1.70%
1,110,000	4U /0	13,500.0	\$177,071.3	2 9100,200.01	91,000.10	7.50/0	9401,010.09	9201,010.09	30.00	0.0070	\$400,002.01	φ-107,717.30	Ψ1,050.10	1.7070

Current			<u>Proposed</u>		
Customer Charge		\$1,666.67	Customer Charge		2.000.00
T&D Demand Charge	kW x	\$10.11	T&D Demand Charge	kW x	\$10.66
Revenue Decoupling Mechanisn	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212	Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge On Peal	kWh x	\$0.04280	Commodity Energy Charge On Peal	kWh x	\$0.04280
Commodity Energy Charge Off Peal	kWh x	\$0.02321	Commodity Energy Charge Off Peal	kWh x	\$0.02321
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.004149	Systems Benefits Charge (CEF/EES)	kWh x	\$0.004149
NYPA ETIP Credit	kW x	(\$0.23)	NYPA ETIP Credit	kW x	(\$0.23)
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408	CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
Merchant Function Charge	kWh x	\$0.00065	Merchant Function Charge	kWh x	\$0.00065
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Charge, and Delivery GI Commodity includes the Commodity Energy charge, Merchant Function Charge. CES Supply Charge and Commodity GR

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (SUBTRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

				Deliver	y			Commo	odity			Tota	1	
kWh Usage On-	-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	\$15,802.23	\$16,510.82	\$708.59	4.48%	\$28,367.16	\$28,367.16	\$0.00	0.00%	\$44,169.39	\$44,877.98	\$708.59	1.60%
720,000	50%	2,500.0	\$15,802.23	\$16,510.82	\$708.59	4.48%	\$26,989.71	\$26,989.71	\$0.00	0.00%	\$42,791.94	\$43,500.53	\$708.59	1.66%
720,000	40%	2,500.0	\$15,802.23	\$16,510.82	\$708.59	4.48%	\$25,612.25	\$25,612.25	\$0.00	0.00%	\$41,414.48	\$42,123.07	\$708.59	1.71%
1,080,000	60%	2,500.0	\$18,208.76	\$18,917.35	\$708.59	3.89%	\$42,550.74	\$42,550.74	\$0.00	0.00%	\$60,759.50	\$61,468.09	\$708.59	1.17%
1,080,000	50%	2,500.0	\$18,208.76	\$18,917.35	\$708.59	3.89%	\$40,484.56	\$40,484.56	\$0.00	0.00%	\$58,693.32	\$59,401.91	\$708.59	1.21%
1,080,000	40%	2,500.0	\$18,208.76	\$18,917.35	\$708.59	3.89%	\$38,418.38	\$38,418.38	\$0.00	0.00%	\$56,627.14	\$57,335.73	\$708.59	1.25%
1,440,000	60%	2,500.0	\$20,615.29	\$21,323.87	\$708.59	3.44%	\$56,734.33	\$56,734.33	\$0.00	0.00%	\$77,349.62	\$78,058.20	\$708.59	0.92%
1,440,000	50%	2,500.0	\$20,615.29	\$21,323.87	\$708.59	3.44%	\$53,979.42	\$53,979.42	\$0.00	0.00%	\$74,594.71	\$75,303.29	\$708.59	0.95%
1,440,000	40%	2,500.0	\$20,615.29	\$21,323.87	\$708.59	3.44%	\$51,224.51	\$51,224.51	\$0.00	0.00%	\$71,839.80	\$72,548.38	\$708.59	0.99%
1,008,000	60%	3,500.0	\$21,279.49	\$22.132.52	\$853.03	4.01%	\$39.714.03	\$39,714.03	\$0.00	0.00%	\$60,993.52	\$61,846.55	\$853.03	1.40%
1,008,000	50%	3,500.0	\$21,279.49	\$22,132.52	\$853.03	4.01%	\$37,785.59	\$37,785.59	\$0.00	0.00%	\$59,065.08	\$59,918.11	\$853.03	1.44%
1,008,000	40%	3,500.0	\$21,279.49	\$22,132.52	\$853.03	4.01%	\$35,857.16	\$35,857.16	\$0.00	0.00%	\$57,136.65	\$57,989.68	\$853.03	1.49%
1,512,000	60%	3,500.0	\$24,648.63	\$25,501.66	\$853.03	3.46%	\$59,571.04	\$59,571.04	\$0.00	0.00%	\$84,219.67	\$85,072.70	\$853.03	1.01%
1,512,000	50%	3,500.0	\$24,648.63	\$25,501.66	\$853.03	3.46%	\$56,678.39	\$56,678.39	\$0.00	0.00%	\$81,327.02	\$82,180.05	\$853.03	1.01%
1,512,000	40%	3,500.0	\$24,648.63	\$25,501.66	\$853.03	3.46%	\$53,785.73	\$53,785.73	\$0.00	0.00%	\$78,434.36	\$79,287.39	\$853.03	1.05%
1,312,000		<i>'</i>	\$24,048.03	\$25,501.00	\$633.03	3.40%	\$33,763.73	\$33,763.73	\$0.00	0.0076	\$76,434.30	\$19,261.39	3633.03	1.0970
2,016,000	60%	3,500.0	\$28,017.76	\$28,870.79	\$853.03	3.04%	\$79,428.06	\$79,428.06	\$0.00	0.00%	\$107,445.82	\$108,298.85	\$853.03	0.79%
2,016,000	50%	3,500.0	\$28,017.76	\$28,870.79	\$853.03	3.04%	\$75,571.18	\$75,571.18	\$0.00	0.00%	\$103,588.94	\$104,441.97	\$853.03	0.82%
2,016,000	40%	3,500.0	\$28,017.76	\$28,870.79	\$853.03	3.04%	\$71,714.31	\$71,714.31	\$0.00	0.00%	\$99,732.07	\$100,585.10	\$853.03	0.86%
1,152,000	60%	4,000.0	\$24,018.12	\$24,943.37	\$925.25	3.85%	\$45,387.46	\$45,387.46	\$0.00	0.00%	\$69,405.58	\$70,330.83	\$925.25	1.33%
1,152,000	50%	4,000.0	\$24,018.12	\$24,943.37	\$925.25	3.85%	\$43,183.53	\$43,183.53	\$0.00	0.00%	\$67,201.65	\$68,126.90	\$925.25	1.38%
1,152,000	40%	4,000.0	\$24,018.12	\$24,943.37	\$925.25	3.85%	\$40,979.61	\$40,979.61	\$0.00	0.00%	\$64,997.73	\$65,922.98	\$925.25	1.42%
2,000,000	60%	4,000.0	\$29,686.83	\$30,612.08	\$925.25	3.12%	\$78,797.68	\$78,797.68	\$0.00	0.00%	\$108,484.51	\$109,409.76	\$925.25	0.85%
2,000,000	50%	4,000.0	\$29,686.83	\$30,612.08	\$925.25	3.12%	\$74,971.41	\$74,971.41	\$0.00	0.00%	\$104,658.24	\$105,583.49	\$925.25	0.88%
2,000,000	40%	4,000.0	\$29,686.83	\$30,612.08	\$925.25	3.12%	\$71,145.15	\$71,145.15	\$0.00	0.00%	\$100,831.98	\$101,757.23	\$925.25	0.92%
2.304.000	60%	4.000.0	\$31.719.00	\$32.644.26	\$925.25	2.92%	\$90,774,92	\$90,774.92	\$0.00	0.00%	\$122,493,92	\$123,419,18	\$925.25	0.76%
2,304,000	50%	4,000.0	\$31,719.00	\$32,644.26	\$925.25	2.92%	\$86,367.07	\$86,367.07	\$0.00	0.00%	\$118,086.07	\$119,011.33	\$925.25	0.78%
2,304,000	40%	4,000.0	\$31,719.00	\$32,644.26	\$925.25	2.92%	\$81,959.21	\$81,959.21	\$0.00	0.00%	\$113,678.21	\$114,603.47	\$925.25	0.81%
3,888,000	60%	13,500.0	\$76.052.07	\$78.349.54	\$2.297.47	3.02%	\$153.182.68	\$153.182.68	\$0.00	0.00%	\$229.234.75	\$231.532.22	\$2,297,47	1.00%
3,888,000	50%	13,500.0	\$76,052.07	\$78,349.54	\$2,297.47	3.02%	\$145.744.43	\$145,744.43	\$0.00	0.00%	\$221,796.50	\$224.093.97	\$2,297.47	1.04%
3,888,000	40%	13,500.0	\$76,052.07	\$78,349.54	\$2,297.47	3.02%	\$138,306.17		\$0.00	0.00%	\$214,358.24	\$216,655.71	\$2,297.47	1.07%
5,832,000	60%	13,500.0	\$89,047.30	\$91.344.78	\$2,297.47	2.58%	\$229,774.02	\$229,774.02	\$0.00	0.00%	\$318,821.32	\$321,118.80	\$2,297.47	0.72%
5,832,000	50%	13,500.0	\$89,047.30	\$91,344.78 \$91.344.78	\$2,297.47	2.58%	\$218,616.64	\$218,616.64	\$0.00	0.00%	\$307,663.94	\$309,961.42	\$2,297.47	0.72%
5,832,000	40%	13,500.0	\$89,047.30	\$91,344.78	\$2,297.47	2.58%	\$207,459.26	\$207,459.26	\$0.00	0.00%	\$296,506.56	\$298,804.04	\$2,297.47	0.77%
7.776.000	6007	12 500 0	#102.042.51	#104.240.02	62 207 47	2.250	6206.265.25	#20C 2C# 2C	60.00	0.000/	6400 407 00	6410 705 36	62 207 47	0.500
7,776,000	60%	13,500.0 13,500.0	\$102,042.54	\$104,340.02	\$2,297.47 \$2,297.47	2.25%	\$306,365.36	\$306,365.36	\$0.00 \$0.00	0.00%	\$408,407.90	\$410,705.38	\$2,297.47	0.56%
7,776,000	50%		\$102,042.54	\$104,340.02		2.25%	\$291,488.85	\$291,488.85		0.00%	\$393,531.39	\$395,828.87	\$2,297.47	0.58%
7,776,000	40%	13,500.0	\$102,042.54	\$104,340.02	\$2,297.47	2.25%	\$276,612.34	\$2/6,612.34	\$0.00	0.00%	\$378,654.88	\$380,952.36	\$2,297.47	0.61%

Current			Proposed		
Customer Charge		\$2.088.00	Customer Charge		2,432.00
T&D Demand Charge	kW x	\$3.52	T&D Demand Charge	kW x	\$3.66
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212	Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge On Peal	kWh x	\$0.04185	Commodity Energy Charge On Peal	kWh x	\$0.04185
Commodity Energy Charge Off Peak	kWh x	\$0.02291	Commodity Energy Charge Off Peal	kWh x	\$0.02291
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CES/EES)	kWh x	\$0.005406	Systems Benefits Charge (CES/EES)	kWh x	\$0.005406
NYPA ETIP Credit	kW x	(\$0.05)	NYPA ETIP Credit	kW	x (\$0.05)
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408	CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00065	Merchant Function Charge	kWh x	0.00065
G . B . : 4 T					
Gross Receipts Tax	D:II /	0.0000	Gross Receipts Tax	D:II /	0.0000
Commodity	Bill /	0.9900	Commodity	Bill /	0.9900
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, ISAS, DLM, CES Delivery Surcharge, and Delivery GI Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge, and Commodity GR

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID TYPICAL BILL IMPACTS SC3A-LARGE GENERAL SERVICE (TRANSMISSION) Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

				Delivery	/			Commo	dity			Tota	1	
kWh Usage On	n-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
				-				-						
720,000	60%	2,500.0	\$15,512.56	\$16,115.59	\$603.03	3.89%	\$27,476.98	\$27,476.98	\$0.00	0.00%	\$42,989.54	\$43,592.57	\$603.03	1.40%
720,000	50%	2,500.0	\$15,512.56	\$16,115.59	\$603.03	3.89%	\$26,178.80	\$26,178.80	\$0.00	0.00%	\$41,691.36	\$42,294.39	\$603.03	1.45%
720,000	40%	2,500.0	\$15,512.56	\$16,115.59	\$603.03	3.89%	\$24,880.62	\$24,880.62	\$0.00	0.00%	\$40,393.18	\$40,996.21	\$603.03	1.49%
1,080,000	60%	2,500.0	\$17,178.45	\$17,781.48	\$603.03	3.51%	\$41,215.47	\$41,215.47	\$0.00	0.00%	\$58,393.92	\$58,996.95	\$603.03	1.03%
1,080,000	50%	2,500.0	\$17,178.45	\$17,781.48	\$603.03	3.51%	\$39,268.20	\$39,268.20	\$0.00	0.00%	\$56,446.65	\$57,049.68	\$603.03	1.07%
1,080,000	40%	2,500.0	\$17,178.45	\$17,781.48	\$603.03	3.51%	\$37,320.93	\$37,320.93	\$0.00	0.00%	\$54,499.38	\$55,102.41	\$603.03	1.11%
1,440,000	60%	2,500.0	\$18,844.35	\$19,447.38	\$603.03	3.20%	\$54,953.96	\$54,953.96	\$0.00	0.00%	\$73,798.31	\$74,401.34	\$603.03	0.82%
1,440,000	50%	2,500.0	\$18,844.35	\$19,447.38	\$603.03	3.20%	\$52,357.60	\$52,357.60	\$0.00	0.00%	\$71,201.95	\$71,804.98	\$603.03	0.85%
1,440,000	40%	2,500.0	\$18,844.35	\$19,447.38	\$603.03	3.20%	\$49,761.24	\$49,761.24	\$0.00	0.00%	\$68,605.59	\$69,208.62	\$603.03	0.88%
1,440,000	4070	2,500.0	\$10,044.55	\$17,447.50	\$005.05	3.2070	\$47,701.24	347,701.24	\$0.00	0.0070	\$00,005.57	307,200.02	\$005.05	0.0070
1,008,000	60%	3,500.0	\$19,894.15	\$20,533.54	\$639.39	3.21%	\$38,467.77	\$38,467.77	\$0.00	0.00%	\$58,361.92	\$59,001.31	\$639.39	1.10%
1,008,000	50%	3,500.0	\$19,894.15	\$20,533.54	\$639.39	3.21%	\$36,650.32	\$36,650.32	\$0.00	0.00%	\$56,544.47	\$57,183.86	\$639.39	1.13%
1,008,000	40%	3,500.0	\$19,894.15	\$20,533.54	\$639.39	3.21%	\$34,832.86	\$34,832.86	\$0.00	0.00%	\$54,727.01	\$55,366.40	\$639.39	1.17%
1 512 000	600/	2 500 0	622 226 40	#22 BC5 BB	6620.20	2.000/	057 701 66	657 701 66	<b>#0.00</b>	0.00%	670.020.06	600 567 46	# C20 20	0.000/
1,512,000	60% 50%	3,500.0 3,500.0	\$22,226.40 \$22,226.40	\$22,865.80 \$22,865.80	\$639.39 \$639.39	2.88% 2.88%	\$57,701.66 \$54,975.48	\$57,701.66 \$54,975.48	\$0.00 \$0.00	0.00%	\$79,928.06 \$77,201.88	\$80,567.46 \$77,841.28	\$639.39 \$639.39	0.80% 0.83%
1,512,000		3,500.0	\$22,226.40											
1,512,000	40%	3,500.0	\$22,226.40	\$22,865.80	\$639.39	2.88%	\$52,249.30	\$52,249.30	\$0.00	0.00%	\$74,475.70	\$75,115.10	\$639.39	0.86%
2,016,000	60%	3,500.0	\$24,558.65	\$25,198.05	\$639.39	2.60%	\$76,935.55	\$76,935.55	\$0.00	0.00%	\$101,494.20	\$102,133.60	\$639.39	0.63%
2,016,000	50%	3,500.0	\$24,558.65	\$25,198.05	\$639.39	2.60%	\$73,300.64	\$73,300.64	\$0.00	0.00%	\$97,859.29	\$98,498.69	\$639.39	0.65%
2,016,000	40%	3,500.0	\$24,558.65	\$25,198.05	\$639.39	2.60%	\$69,665.73	\$69,665.73	\$0.00	0.00%	\$94,224.38	\$94,863.78	\$639.39	0.68%
1 152 000	60%	4.000.0	\$22,084.94	\$22,742.52	6757 50	2.000/	642.062.17	642.062.17	\$0.00	0.00%	666 049 11	866 705 60	0.67.50	1.000/
1,152,000					\$657.58	2.98%	\$43,963.17	\$43,963.17			\$66,048.11	\$66,705.69 \$64,628.60	\$657.58	1.00%
1,152,000	50% 40%	4,000.0 4,000.0	\$22,084.94	\$22,742.52	\$657.58	2.98%	\$41,886.08	\$41,886.08	\$0.00 \$0.00	0.00%	\$63,971.02 \$61,893.93		\$657.58	1.03%
1,152,000	40%	4,000.0	\$22,084.94	\$22,742.52	\$657.58	2.98%	\$39,808.99	\$39,808.99	\$0.00	0.00%	\$61,893.93	\$62,551.51	\$657.58	1.06%
1,728,000	60%	4,000.0	\$24,750.38	\$25,407.95	\$657.58	2.66%	\$65,944.76	\$65,944.76	\$0.00	0.00%	\$90,695.14	\$91,352.71	\$657.58	0.73%
1,728,000	50%	4,000.0	\$24,750.38	\$25,407.95	\$657.58	2.66%	\$62,829.12	\$62,829.12	\$0.00	0.00%	\$87,579.50	\$88,237.07	\$657.58	0.75%
1,728,000	40%	4,000.0	\$24,750.38	\$25,407.95	\$657.58	2.66%	\$59,713.48	\$59,713.48	\$0.00	0.00%	\$84,463.86	\$85,121.43	\$657.58	0.78%
2,304,000	60%	4,000.0	\$27,415.81	\$28,073.38	\$657.58	2.40%	\$87,926.34	\$87,926.34	\$0.00	0.00%	\$115,342.15	\$115,999.72	\$657.58	0.57%
2,304,000	50%	4,000.0	\$27,415.81	\$28,073.38	\$657.58	2.40%	\$83,772.16	\$83,772.16	\$0.00	0.00%	\$111,187.97	\$111,845.54	\$657.58	0.59%
2,304,000	40%	4,000.0	\$27,415.81	\$28,073.38	\$657.58	2.40%	\$79,617.98	\$79,617.98	\$0.00	0.00%	\$107,033.79	\$107,691.36	\$657.58	0.61%
3,888,000	60%	11,500.0	\$57.612.30	\$58.542.60	\$930.30	1.61%	\$148,375,70	\$148.375.70	\$0.00	0.00%	\$205.988.00	\$206,918.30	\$930.30	0.45%
3,888,000	50%	11,500.0	\$57,612.30	\$58,542.60	\$930.30	1.61%		\$141,365.52	\$0.00	0.00%	\$198,977.82	\$199,908.12	\$930.30	0.47%
3,888,000	40%	11,500.0	\$57,612.30	\$58,542.60	\$930.30	1.61%	\$134,355.34		\$0.00	0.00%	\$191,967.64	\$192,897.94	\$930.30	0.48%
6,300,000	60%	12,000.0	\$70,298.23	\$71,246.71	\$948.48	1.35%	\$240,423.59	\$240,423.59	\$0.00	0.00%	\$310,721.82	\$311,670.30	\$948.48	0.31%
6,300,000	50%	12,000.0	\$70,298.23	\$71,246.71	\$948.48	1.35%	\$229,064.50	\$229,064.50	\$0.00	0.00%	\$299,362.73	\$300,311.21	\$948.48	0.32%
6,300,000	40%	12,000.0	\$70,298.23	\$71,246.71	\$948.48	1.35%	\$217,705.41	\$217,705.41	\$0.00	0.00%	\$288,003.64	\$288,952.12	\$948.48	0.33%
7,776,000	60%	13,500.0	\$81.701.71	\$82,704,74	\$1.003.03	1.23%	\$296,751,40	\$296,751.40	\$0.00	0.00%	\$378.453.11	\$379.456.14	\$1.003.03	0.27%
7,776,000	50%	13,500.0	\$81,701.71	\$82,704.74	\$1,003.03	1.23%	\$282,731.04	\$282,731.04	\$0.00	0.00%	\$364,432.75	\$365,435.78	\$1,003.03	0.28%
7,776,000	40%	13,500.0	\$81,701.71	\$82,704.74	\$1,003.03	1.23%	\$268,710.67	\$268,710.67	\$0.00	0.00%	\$350,412.38	\$351,415.41	\$1,003.03	0.29%
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	70/0	10,000.0	ψ01,/01./1	ψ02,/07./f	\$1,00J.0J	1.20/0	\$200,710.07	\$200,710.07	Ψ0.00	0.0070	\$350,T12.30	ψυυ1, <del>71</del> υ.71	91,005.05	0.2770

Current			Proposed		
Customer Charge		\$4,513.00	Customer Charge		5,020.00
T&D Demand Charge	kW x	\$3.32	T&D Demand Charge	kW x	\$3.36
Revenue Decoupling Mechanism	kW x	\$0.00	Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212	Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge On Peak	kWh x	\$0.04019	Commodity Energy Charge On Peal	kWh x	\$0.04019
Commodity Energy Charge Off Peal	kWh x	\$0.02234	Commodity Energy Charge Off Peak	kWh x	\$0.02234
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.003369	Systems Benefits Charge (CEF/EES)	kWh x	\$0.003369
NYPA ETIP Credit	kW x	(\$0.34)	NYPA ETIP Credit	kW x	(\$0.34)
Incremental State Assessment Surcharge	kW x	\$0.00	Incremental State Assessment Surchargo	kW x	\$0.00
DLM	kW x	\$0.04	DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408	CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000	CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00065	Merchant Function Charge	kWh x	0.00065
Gross Receipts Tax			Gross Receipts Tax		
Commodity	Bill /	0.99	Commodity	Bill /	0.99
Delivery	Bill /	0.9900	Delivery	Bill /	0.9900

Delivery includes Customer Charge, T&D, Revenue Decoupling Mechanism, Legacy Transition Charge, TRA, SBC, DLM, CES Delivery Charge and Delivery GF Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge and Commodity GR

NIAGARA MOHWK POWER CORPORATION db/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7 Shared and Local Facilities Rate Class Revenue Requirements Rate Year 1

Case 17-E-0238
Appendix 2
Schedule 5.1
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<u>B</u> **(**Y

(A)		(B)	(C)	(D)	(E)	(F)	(D)	(H)	(1)	(f)	
		Residential Svc	Small General Service	Service	Ι	Large General Service SC-3			Large General Service SC-3A		
		SC-1	SC-2ND	SC-2D	Secondary	Primary	Sub/Transmission	Sec/Primary	Subtransmission	Transmission	TOTAL
1. Total Transmission-Distribution Revenue Requirement	8	874,618,810 \$	63,003,583 \$	183,328,641 \$	132,352,600 \$	43,789,648 \$	6,482,980	25,548,839 \$	13,347,862 \$	46,653,906 \$	1,389,126,869
2. less: Customer Charge Revenues		303,293,422	28,782,392	31,125,903	15,366,717	4,122,035	1,428,623	1,302,466	1,416,151	4,512,921	391,350,629
<ol><li>Reactive Demand Charge Revenues</li></ol>					538,181	629,008	326,953	393,121	731,011	2,080,013	4,698,287
<ol> <li>Transformer Ownership Credits</li> </ol>				(276,921)							(276,921)
5. Balance of Trans-Dist Revenue Requirement	S	571,325,388 \$	34,221,191 \$	152,479,659 \$	116,447,703 \$	39,038,605 \$	4,727,404 \$	23,853,252 \$	11,200,700 \$	40,060,972 \$	993,354,874
6. Wholesale Transmission Rate				S	0.01115 \$	0.01115 \$	0.01115	0.01115 \$	0.01115 \$	0.01115	
7. times: Wholesale Transmission Energy Sales					4,789,392,866	2,086,745,838	702,166,654	1,300,866,726	1,687,475,057	7,240,691,896	
8. Transmission Revenue Requirement	S	\$ -	\$ -	\$ -	\$ 998,366.85	23,265,097 \$	7,828,445 \$	14,503,343 \$	18,813,633 \$	80,726,361	
9. ACOS Shared Revenue Requirement Allocator		0.35406759	0.29430516	0.56617142	0.69381181	0.84577013	0.75313992	0.83205607	0.84116188	0.86936030	
<ol> <li>times: Total Trans-Dist Revenue Requirement</li> </ol>	S	874,618,810 \$	63,003,583 \$	183,328,641 \$	132,352,600 \$	43,789,648 \$	6,482,980 \$	25,548,839 \$	13,347,862 \$	46,653,906	1,389,126,869
11. As-Used Charge Revenue Requirement	8	309,674,174 \$	18,542,280 \$	103,795,437 \$	91,827,797 \$	37,035,976 \$	4,727,404	21,258,067 \$	11,200,700 \$	40,060,972 \$	638,122,807
12. Contract Charge Revenue Requirement	S	261,651,213 \$	261,651,213 \$ 15,678,911 \$	48,684,222 \$	24,619,906 \$	2,002,629 \$	\$	2,595,185 \$	- 8	\$	355,232,067
13. Shared Facilities Revenue Requirement		35.4%	29.4%	%9:95	69.4%	84.6%	72.9%	83.2%	83.9%	%6'58	45.9%
14. Local Facilities Revenue Requirement		64.6%	70.6%	43.4%	30.6%	15.4%	27.1%	16.8%	16.1%	14.1%	54.1%

<sup>1.</sup> Per Joint Proposal Appendix 2, Schedule 5.4
2. Per Joint Proposal Appendix 2, Schedule 5.4
3. Per Joint Proposal Appendix 2, Schedule 5.4
4. Per Joint Proposal Appendix 2, Schedule 5.4
5. Line 1- Sum of Lines 2 through 4
6. From Niagara Mohawk Power Corporation Wholesale TSC Calculation Information, 07/01/2016, Attachment 1, Schedule 4, excluding Col C (amual true-up)
7. Per Joint Proposal Appendix 2, Schedule 5.10
8. Line 6\* Line 7
9. Per Joint Proposal Appendix 2, Schedule 5.13

<sup>10.</sup> Line 1 11. Line 9 \* Line 10 12. Line 5 - Line 11 13. Line 11 / Line 1 14. 100% - Line 13

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Appendix 2
Schedule 5.2
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NIAGARA MOHWK POWER CORPORATION db/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7 Shared and Local Facilities Rate Class Revenue Requirements Rate Year 2

(A)		(B)	(C)	(D)	(E)	(F)	(D)	(H)	(1)	9	
		Residential Svc	Small General Service	1 Service	T	Large General Service SC-3			Large General Service SC-3A		
		SC-1	SC-2ND	SC-2D	Secondary	Primary	Sub/Transmission	Sec/Primary	Subtransmission	Transmission	TOTAL
1. Total Transmission-Distribution Revenue Requirement	S	928,562,889 \$	65,452,208 \$	194,806,055 \$	140,374,166 \$	46,599,603 \$	6,891,032 \$	26,867,215 \$	13,661,611 \$	51,423,022 \$	1,474,637,801
2. less: Customer Charge Revenues		304,108,716	28,894,045	31,212,495	18,374,016	4,138,616	1,590,015	1,589,885	1,650,121	5,000,998	396,558,907
<ol><li>Reactive Demand Charge Revenues</li></ol>		•	•		540,014	631,259	327,948	388,794	722,027	2,062,888	4,672,930
<ol> <li>Transformer Ownership Credits</li> </ol>		•	•	(276,921)	•	•					(276,921)
5. Balance of Trans-Dist Revenue Requirement	S	624,454,173 \$	36,558,164 \$	163,870,481 \$	121,460,136 \$	41,829,727 \$	4,973,070 \$	24,888,535 \$	11,289,464 \$	44,359,136 \$	1,073,682,885
6. Wholesale Transmission Rate				S	0.01115 \$	0.01115 \$	0.01115 \$	0.01115 \$	0.01115 \$	0.01115	
7. times: Wholesale Transmission Energy Sales					4,804,867,075	2,092,278,801	703,122,997	1,287,184,269	1,668,666,184	7,171,709,620	
8. Transmission Revenue Requirement	S	-	\$ -	-	53,569,388 \$	23,326,784 \$	7,839,107 \$	14,350,797 \$	18,603,933 \$	79,957,278	
9. ACOS Shared Revenue Requirement Allocator		0.35406759	0.29430516	0.56617142	0.69381181	0.84577013	0.75313992	0.83205607	0.84116188	0.86936030	
10. times: Total Trans-Dist Revenue Requirement	89	928,562,889 \$	65,452,208 \$	194,806,055 \$	140,374,166 \$	46,599,603 \$	6,891,032 \$	26,867,215 \$	13,661,611 \$	51,423,022	1,474,637,801
11. As-Used Charge Revenue Requirement	8	328,774,025 \$	19,262,923 \$	110,293,621 \$	97,393,254 \$	39,412,552 \$	4,973,070 \$	22,355,029 \$	11,289,464 \$	44,359,136 \$	678,113,072
12. Contract Charge Revenue Requirement	S	295,680,148 \$	17,295,241 \$	53,576,860 \$	24,066,882 \$	2,417,175 \$	\$	2,533,506 \$	\$	\$	395,569,813
13. Shared Facilities Revenue Requirement		35.4%	29.4%	26.6%	69.4%	84.6%	72.2%	83.2%	82.6%	86.3%	46.0%
<ol> <li>Local Facilities Revenue Requirement</li> </ol>		64.6%	/0.6%	43.4%	30.6%	15.4%	27.8%	16.8%	17.4%	13.7%	54.0%

<sup>1.</sup> Per Joint Proposal Appendix 2, Schedule 5.5
2. Per Joint Proposal Appendix 2, Schedule 5.5
3. Per Joint Proposal Appendix 2, Schedule 5.5
4. Per Joint Proposal Appendix 2, Schedule 5.5
5. Line L-Sum of Lines 2 through 6.5
5. Line L-Sum of Lines 2 through 7.
6. From Niagara Mohawk Power Corporation Wholesale TSC Calculation Information, 07/01/2016, Attachment 1, Schedule 4, excluding Col C (annual true-up)
7. Per Joint Proposal Appendix 2, Schedule 5.11
8. Line 6 \* Line 7
9. Per Joint Proposal Appendix 2, Schedule 5.13

<sup>10.</sup> Line 1 11. Line 9 \* Line 10 12. Line 5 - Line 11 13. Line 11 / Line 1 14. 100% - Line 13

NIAGARA MOHWK POWER CORPORATION db/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7 Shared and Local Facilities Rate Class Revenue Requirements Rate Year 3

Case 17-E-0238
Appendix 2
Schedule 5.3
Page 1 of 1

(A)		(B)	(C)	(D)	(E)	(F)	(D)	(H)	9	9	
		Residential Svc	Small General Service	Service	Ľ	Large General Service SC-3			Large General Service SC-3A		
		SC-1	SC-2ND	SC-2D	Secondary	Primary	Sub/Transmission	Sec/Primary	Subtransmission	Transmission	TOTAL
1. Total Transmission-Distribution Revenue Requirement	S	984.960.778	8 681.189 \$	205,455,094 \$	148.324.945 \$	49,116,723 \$	7.271.583 \$	28.131.761 \$	14.164.458 \$	51.818.847	1.557.895.377
2. less: Customer Charge Revenues		304,932,403	29,014,522	31,308,397	21,411,554	4,156,159	1,755,150	1,863,633	1,870,976	5,474,930	401,787,724
Reactive Demand Charge Revenues				. •	538,226	629,342	326,802	382,884	710,102	2,037,948	4,625,303
Transformer Ownership Credits			•	(276,921)			. •	. •			(276,921)
5. Balance of Trans-Dist Revenue Requirement	S	680,028,375 \$	39,636,667 \$	174,423,617 \$	126,375,165 \$	44,331,223 \$	5,189,631 \$	25,885,244 \$	11,583,380 \$	44,305,969 \$	1,151,759,271
Wholesale Transmission Rate				S	0.01115 \$	0.01115 \$	0.01115 \$	0.01115 \$	0.01115 \$	0.01115	
7. times: Wholesale Transmission Energy Sales					4,788,772,114	2,084,739,762	700,023,175	1,268,706,784	1,643,446,790	7,080,316,389	
8. Transmission Revenue Requirement	S	\$ -	\$	\$ -	53,389,945 \$	23,242,731 \$	7,804,547 \$	14,144,792 \$	18,322,763 \$	78,938,337	
9. ACOS Shared Revenue Requirement Allocator		0.35406759	0.29430516	0.56617142	0.69381181	0.84577013	0.75313992	0.83205607	0.84116188	0.86936030	
<ol> <li>times: Total Trans-Dist Revenue Requirement</li> </ol>	S	984,960,778 \$	8,651,189 \$	205,455,094 \$	148,324,945 \$	49,116,723 \$	7,271,583 \$	28,131,761 \$	14,164,458 \$	51,818,847	1,557,895,377
11. As-Used Charge Revenue Requirement	S	348,742,689 \$	20,204,399 \$	116,322,802 \$	102,909,598 \$	41,541,457 \$	5,189,631 \$	23,407,202 \$	11,583,380 \$	44,305,969 \$	714,207,128
12. Contract Charge Revenue Requirement	S	331,285,685 \$	19,432,268 \$	58,100,815 \$	23,465,567 \$	2,789,766 \$	\$	2,478,042 \$	\$	- 8	437,552,143
		707 30	707 700	/00/03	707 02	707 FO	/07	700 00	/00 10	/02 20	76 807
<ol> <li>Joral Facilities Revenue Requirement</li> </ol>		64.6%	70.6%	36.6% 43.4%	30.6%	044.6%	28.6%	05.2%	01.670	05.3%	43.8% 54.2%

<sup>1.</sup> Per Joint Proposal Appendix 2, Schedule 5.6
2. Per Joint Proposal Appendix 2, Schedule 5.6
3. Per Joint Proposal Appendix 2, Schedule 5.6
4. Per Joint Proposal Appendix 2, Schedule 5.6
5. Line I - Sum of Lines 2 through 4
6. From Niagara Mohawk Power Corporation Wholesale TSC Calculation Information, 07/01/2016, Attachment 1, Schedule 4, excluding Col C (annual true-up)
7. Per Joint Proposal Appendix 2, Schedule 5.12
8. Per Joint Proposal Appendix 2, Schedule 5.13
9. Per Joint Proposal Appendix 2, Schedule 5.13
10. Line 1
11. Line 9\* Line 10
11. Line 9\* Line 11
12. Line 5 - Line 11
13. Line 11 / Line 11
14. 100% - Line 13

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7 FY 2019 Standby Rate Design for Service Classification No. 1

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)	Billing Units (D)	Proposed T&D Standby Rate (E)	Proposed T&D Standby Revenues (F)
Revenue Calculation						
1. Customer Charge Revenues	17,840,790 \$	17.00 \$	303,293,422 Customer Charge Revenues	17,840,790 \$	17.00 \$	303,293,422
2. Base Distribution Energy Charge	11,326,831,638 \$	0.05044 \$	571,325,388 Contract Customer Chg Revenues	17,840,790 \$	14.67 \$	261,651,213
3. Total Base Distribution Delivery Revenue		S	874,618,810 As-Used Daily Energy Charge	11,326,831,638	0.02734 \$	309,674,174
4.			Total Base Transmission-Distribution Revenue	snue	S	874,618,810
5.			Revenue Target		↔	874,618,810
.6			Over/(Under) Collection (Line 4 - Line 5)		S	ı

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7

SC NO. 220 Electricity Service Classification No. 7
FY 2019 Standby Rate Design for
Service Classification No. 2 (Non-Demand)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)	Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation						
1. Customer Charge Revenues	1,369,286 \$	21.02 \$	28,782,392 Customer Charge Revenues	1,369,286 \$	21.02 \$	28,782,392
2. Base Distribution Energy Charge	614,715,129 \$	0.05567 \$	34,221,191 Contract Customer Chg Revenues	1,369,286 \$	11.45 \$	15,678,911
3. Total Base Distribution Delivery Revenue		\$	63,003,583 As-Used Daily Energy Charge	614,715,129	0.03016 \$	18,542,280
4.			Total Base Transmission-Distribution Revenue	nue	\$	63,003,583
5.			Revenue Target		<del>\$</del>	63,003,583
.9			Over/(Under) Collection (Line 4 - Line 5)		<b>⇔</b>	•

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7

FY 2019 Standby Rate Design for Service Classification No. 2 (Demand) for Interval Metered Customers

		Requirements	Requirements		T&D	T&D
	Billing	Service	Service	Billing	Standby	Standby
	Units	Rate	Revenues	Units	Rate	Revenues
	( <del>y</del> )	(B)	(C)	(D)	(E)	(F)
Revenue Calculation						
1. Customer Charge Revenues	592,649 \$	52.52 \$	31,125,903 Customer Charge Revenues	592,649 \$	52.52 \$	31,125,903
2. Base Distribution Demand Charge	14,373,270 \$	10.61 \$	152,479,659 Contract Demand Charge	22,755,779 \$	2.14 \$	48,684,222
3. Transformer Ownership Credit	307,690 \$	\$ (0.90)	(276,921) Transformer Ownrshp Credit Revenues	307,690 \$	\$ (0.90)	(276,921)
4. Total Base Distribution Delivery Revenue		€9	183,328,641 As-Used Daily Demand Charge	210,135,341	0.4939 \$	103,795,437
5.			Total Base Transmission-Distribution Revenue		€9	183,328,641
6.			Revenue Target		€9	183,328,641
7.			Over/(Under) Collection (Line 5 - Line 6)		\$	•

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7

FY 2019 Standby Rate Design for Service Classification No. 3 (Secondary)

	Re	Requirements	Requirements		T&D	T&D
	Billing	Service	Service	Billing	Standby	Standby
	Units	Rate	Revenues	Units	Rate	Revenues
	(A)	(B)	(C)	(D)	(E)	(F)
Revenue Calculation						
Customer Charge     Special L Customer Charge	28,943 \$ 16,176 \$	325.00 \$ 368.46 \$	9,406,508 Customer Charge Revenues 5,960,209 Incremental Special L Customer Charge	45,119 \$ 16,176 \$	325.00 \$ 43.46 \$	14,663,708 703,009
3. Base Dist Demand Chg Revenues	11,400,129 \$	10.21 \$	116,447,703 Contract Demand Charge	14,824,153 \$	1.66 \$	24,619,906
4. Reactive Demand Charge Revenues	633,154 \$	8 58.0	538,181 Reactive Demand Charge Revenues	633,154 \$	0.85 \$	538,181
5. Total Base Distribution Delivery Revenue		↔	132,352,600 As-Used Daily Demand Charge	179,086,950	0.5128 \$	91,827,797
.9			Total Base Transmission-Distribution Revenue		€	132,352,600
7.			Revenue Target		€9	132,352,600
∞			Over/(Under) Collection (Line 6 - Line 7)		<del>\$</del>	

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7

FY 2019 Standby Rate Design for Service Classification No. 3 (Primary)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)	Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation						
<ol> <li>Customer Charge</li> <li>Special L Customer Charge</li> </ol>	3119 \$ 5,748 \$	436.70 \$ 480.16 \$	1,362,075 Customer Charge Revenues 2,759,960 Incremental Special L Customer Charge	8,867 \$ 5,748 \$	436.70 \$ 43.46 \$	3,872,227 249,808
3. Base Dist Demand Chg Revenues	4,531,812 \$	8.61 \$	39,038,605 Contract Demand Charge	7,284,710 \$	0.27 \$	2,002,629
4. Reactive Demand Charge Revenues	740,009 \$	0.85 \$	629,008 Reactive Demand Charge Revenues	740,009 \$	0.85 \$	629,008
5. Total Base Distribution Delivery Revenue		<del>\$</del>	43,789,648 As-Used Daily Demand Charge	77,068,621 \$	0.4806 \$	37,035,976
.9			Total Base Transmission-Distribution Revenue		S	43,789,648
7.			Revenue Target		<del>\$</del>	43,789,648
∞ <b>ʻ</b>			Over/(Under) Collection (Line 6 - Line 7)		€\$	•

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Appendix 2
Schedule 5.4
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## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7 FY 2019 Standby Rate Design for Service Classification No. 3 (Subtransmission) Transmission)

		Requirements	Requirements		T&D	T&D
	Billing	Service	Service	Billing	Standby	Standby
	Units	Rate	Revenues	Units	Rate	Revenues
	(A)	(B)	(C)	(D)	(E)	(F)
Revenue Calculation						
1. Customer Charge	544 \$	639.00 \$	347,607 Customer Charge Revenues	2,128 \$	639.00 \$	1,359,783
2. Special L Customer Charge	1,584 \$	682.46 \$	1,081,017 Incremental Special L Customer Charge	1,584 \$	43.46 \$	68,841
3. Base Dist Demand Chg Revenues	1,762,316 \$	2.68 \$	4,727,404 Contract Demand Charge	2,284,848 \$	<del>\$</del>	ı
4. Reactive Demand Charge Revenues	384,651 \$	0.85 \$	326,953 Reactive Demand Charge Revenues	384,651 \$	0.85 \$	326,953
5. Total Base Distribution Delivery Revenue		\$	6,482,980 As-Used Daily Demand Charge	27,209,102	0.1737 \$	4,727,404
.9			Total Base Transmission-Distribution Revenue		<del>\$</del>	6,482,980
7.			Revenue Target		<del>\$\$</del>	6,482,980
8.			Over/(Under) Collection (Line 6 - Line 7)		<del>\$\$</del>	ı

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7

FY 2019 Standby Rate Design for Service Classification No. 3-A (Secondary/Primary)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)	Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation						
1. Customer Charge	\$ 226	1,333.33 \$	1,302,466 Customer Charge Revenues	\$ 226	977 \$ 1,333.33 \$	1,302,466
2. Base Dist Demand Chg Revenues	2,489,126 \$	8 85.6	23,853,252 Contract Demand Charge	3,052,682 \$	0.85 \$	2,595,185
3. Reactive Demand Charge Revenues	385,413 \$	1.02 \$	393,121 Reactive Demand Charge Revenues	385,413 \$	1.02 \$	393,121
4. Total Base Distribution Delivery Revenue		\$	25,548,839 As-Used Daily Demand Charge	41,322,334 \$	0.5144 \$	21,258,067
5.			Total Base Transmission-Distribution Revenue		\$	25,548,839
			Revenue Target		\$	25,548,839
.7.			Over/(Under) Collection (Line 5 - Line 6)		S	,

# NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7

FY 2019 Standby Rate Design for Service Classification No. 3-A (Subtransmission)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)	Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation						
1. Customer Charge	812 \$	1,744.00 \$	1,416,151 Customer Charge Revenues	812 \$	1,744.00 \$	1,416,151
2. Base Dist Demand Chg Revenues	3,247,109 \$	3.45 \$	11,200,700 Contract Demand Charge	3,986,273 \$	<del>\$</del>	1
3. Reactive Demand Charge Revenues	716,677 \$	1.02 \$	731,011 Reactive Demand Charge Revenues	716,677 \$	1.02 \$	731,011
4. Total Base Distribution Delivery Revenue		\$	13,347,862 As-Used Daily Demand Charge	54,486,077 \$	0.2056 \$	11,200,700
5.			Total Base Transmission-Distribution Revenue		\$	13,347,862
6.			Revenue Target		<del>\$</del>	13,347,862
7.			Over/(Under) Collection (Line 5 - Line 6)		€	

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7

FY 2019 Standby Rate Design for Service Classification No. 3-A (Transmission)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)	Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation						
1. Customer Charge	1126 \$	4,007.00 \$	4,512,921 Customer Charge Revenues	1,126 \$	4,007.00 \$	4,512,921
2. Base Dist Demand Chg Revenues	13,493,431 \$	2.97 \$	40,060,972 Contract Demand Charge	16,171,255 \$	<i>S</i>	1
3. Reactive Demand Charge Revenues	2,039,228 \$	1.02 \$	2,080,013 Reactive Demand Charge Revenues	2,039,228 \$	1.02 \$	2,080,013
4. Total Base Distribution Delivery Revenue		\$	46,653,906 As-Used Daily Demand Charge	231,807,987 \$	0.1728 \$	40,060,972
5.			Total Base Transmission-Distribution Revenue		€9	46,653,906
.6			Revenue Target based on minimum Transmission Rev Req	v Req	<del>\$</del>	46,653,906
7.			Over/(Under) Collection (Line 5 - Line 6)		S	

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7 FY 2020 Standby Rate Design for Service Classification No. 1

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)	Billing Units (D)	Proposed T&D Standby Rate (E)	Proposed T&D Standby Revenues (F)
Revenue Calculation						
1. Customer Charge Revenues	17,888,748 \$	17.00 \$	304,108,716 Customer Charge Revenues	17,888,748 \$	17.00 \$	304,108,716
2. Base Distribution Energy Charge	11,285,996,258 \$	0.05533 \$	624,454,173 Contract Customer Chg Revenues	17,888,748 \$	16.53 \$	295,680,148
3. Total Base Distribution Delivery Revenue		S	928,562,889 As-Used Daily Energy Charge	11,285,996,258	0.02913 \$	328,774,025
4.			Total Base Transmission-Distribution Revenue	enue	S	928,562,889
5.			Revenue Target		S	928,562,889
9			Over/(Under) Collection (Line 4 - Line 5)		S	•

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7

FY 2020 Standby Rate Design for Service Classification No. 2 (Non-Demand)

		Requirements	Requirements		T&D	T&D
	Billing	Service	Service	Billing	Standby	Standby
	Units	Rate	Revenues	Units	Rate	Revenues
	(A)	(B)	(C)	(D)	(E)	(F)
Revenue Calculation						
1. Customer Charge Revenues	1,374,598 \$	21.02 \$	28,894,045 Customer Charge Revenues	1,374,598 \$	21.02 \$	28,894,045
2. Base Distribution Energy Charge	608,592,702 \$	\$ 200900	36,558,164 Contract Customer Chg Revenues	1,374,598 \$	12.58 \$	17,295,241
3. Total Base Distribution Delivery Revenue		€9	65,452,208 As-Used Daily Energy Charge	608,592,702	0.03165 \$	19,262,923
4.			Total Base Transmission-Distribution Revenue	nue	<b>⇔</b>	65,452,208
ر.			Revenue Target		€9	65,452,208
.6			Over/(Under) Collection (Line 4 - Line 5)		\$	•

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7

FY 2020 Standby Rate Design for Service Classification No. 2 (Demand) for Interval Metered Customers

		Requirements	Requirements		T&D	T&D
	Billing	Service	Service	Billing	Standby	Standby
	Units	Rate	Revenues	Units	Rate	Revenues
	(A)	(B)	(C)	(D)	(E)	(F)
Revenue Calculation						
1. Customer Charge Revenues	594,297 \$	52.52 \$	31,212,495 Customer Charge Revenues	594,297 \$	52.52 \$	31,212,495
2. Base Distribution Demand Charge	14,294,355 \$	11.46 \$	163,870,481 Contract Demand Charge	22,630,840 \$	2.37 \$	53,576,860
3. Transformer Ownership Credit	307,690 \$	\$ (0.90)	(276,921) Transformer Ownrshp Credit Revenues	307,690 \$	\$ (06.0)	(276,921)
4. Total Base Distribution Delivery Revenue		\$	194,806,055 As-Used Daily Demand Charge	208,981,607	0.5278 \$	110,293,621
5.			Total Base Transmission-Distribution Revenue		\$	194,806,055
.6			Revenue Target		\$	194,806,055
7.			Over/(Under) Collection (Line 5 - Line 6)		€9	•

# NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7

FY 2020 Standby Rate Design for Service Classification No. 3 (Secondary)

	Rec	Requirements	Requirements		T&D	T&D
	Billing	Service	Service	Billing	Standby	Standby
	Units	Rate	Revenues	Units	Rate	Revenues
	(A)	(B)	(C)	(D)	(E)	(F)
Revenue Calculation						
1. Customer Charge	29,134 \$	390.00 \$	11,362,367 Customer Charge Revenues		\$ 390.00 \$	17,671,007
2. Special L Customer Charge	16,176 \$	433.46 \$	/,011,649 Incremental Special L Customer Charge	16,176 \$	43.46 \$	703,009
3. Base Dist Demand Chg Revenues	11,436,924 \$	10.62 \$	121,460,136 Contract Demand Charge	14,872,000 \$	1.62 \$	24,066,882
4. Reactive Demand Charge Revenues	635,311 \$	0.85 \$	540,014 Reactive Demand Charge Revenues	635,311 \$	0.85 \$	540,014
5. Total Base Distribution Delivery Revenue		€9	140,374,166 As-Used Daily Demand Charge	179,664,976	0.5421 \$	97,393,254
9.			Total Base Transmission-Distribution Revenue		€	140,374,166
7.			Revenue Target		\$	140,374,166
%			Over/(Under) Collection (Line 6 - Line 7)		S	ı

FY 2020 Standby Rate Design for Service Classification No. 3 (Primary)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)	Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation						
<ol> <li>Customer Charge</li> <li>Special L Customer Charge</li> </ol>	3157 \$ 5,748 \$	436.70 \$ 480.16 \$	1,378,657 Customer Charge Revenues 2,759,960 Incremental Special L Customer Charge	8,905 \$ 5,748 \$	436.70 <b>\$</b> 43.46 <b>\$</b>	3,888,808 249,808
3. Base Dist Demand Chg Revenues	4,544,240 \$	9.21 \$	41,829,727 Contract Demand Charge	7,304,687 \$	0.33 \$	2,417,175
4. Reactive Demand Charge Revenues	742,658 \$	0.85 \$	631,259 Reactive Demand Charge Revenues	742,658 \$	0.85 \$	631,259
5. Total Base Distribution Delivery Revenue		€	46,599,603 As-Used Daily Demand Charge	77,279,965 \$	0.5100 \$	39,412,552
.9			Total Base Transmission-Distribution Revenue		\$	46,599,603
7.			Revenue Target		↔	46,599,603
∞.			Over/(Under) Collection (Line 6 - Line 7)		\$	1

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7 FY 2020 Standby Rate Design for Service Classification No. 3 (Subtransmission)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)	Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation						
<ol> <li>Customer Charge</li> <li>Special L Customer Charge</li> </ol>	552 \$ 1,584 \$	712.00 \$ 755.46 \$	393,366 Customer Charge Revenues 1,196,649 Incremental Special L Customer Charge	2,136 \$ 1,584 \$	712.00 <b>\$</b> 43.46 <b>\$</b>	1,521,174 68,841
3. Base Dist Demand Chg Revenues	1,764,125 \$	2.82 \$	4,973,070 Contract Demand Charge	2,287,194 \$	<del>\$</del>	ı
4. Reactive Demand Charge Revenues	385,821 \$	0.85 \$	327,948 Reactive Demand Charge Revenues	385,821 \$	0.85 \$	327,948
5. Total Base Distribution Delivery Revenue		\$	6,891,032 As-Used Daily Demand Charge	27,237,041	0.1826 \$	4,973,070
6.			Total Base Transmission-Distribution Revenue		\$	6,891,032
7.			Revenue Target		<del>\$</del>	6,891,032
8.			Over/(Under) Collection (Line 6 - Line 7)		<del>\$</del>	

FY 2020 Standby Rate Design for Service Classification No. 3-A (Secondary/Primary)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)	Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation						
1. Customer Charge	954 \$	1,666.67 \$	1,589,885 Customer Charge Revenues	954 \$	954 \$ 1,666.67 \$	1,589,885
2. Base Dist Demand Chg Revenues	2,462,992 \$	10.11 \$	24,888,535 Contract Demand Charge	3,020,631 \$	0.84 \$	2,533,506
3. Reactive Demand Charge Revenues	381,171 \$	1.02 \$	388,794 Reactive Demand Charge Revenues	381,171 \$	1.02 \$	388,794
4. Total Base Distribution Delivery Revenue		\$	26,867,215 As-Used Daily Demand Charge	40,888,480 \$	0.5467 \$	22,355,029
.5			Total Base Transmission-Distribution Revenue		\$	26,867,215
.9			Revenue Target		\$	26,867,215
7.			Over/(Under) Collection (Line 5 - Line 6)		\$	1

FY 2020 Standby Rate Design for Service Classification No. 3-A (Subtransmission)

		Requirements		Requirements			T&D	T&D
	Billing	Service	ice	Service		Billing	Standby	Standby
	Units	R	Rate	Revenues		Units	Rate	Revenues
	(A)	<u> </u>	(B)	(C)		(D)	(E)	(F)
Revenue Calculation								
1. Customer Charge	\$ 062	3,088.00 \$	\$ 00	1,650,121	1,650,121 Customer Charge Revenues	\$ 062	2,088.00 \$	1,650,121
2. Base Dist Demand Chg Revenues	3,210,883 \$		3.52 \$	11,289,464	11,289,464 Contract Demand Charge	3,941,801 \$	· ·	
3. Reactive Demand Charge Revenues	\$ 698,101		1.02 \$	722,027	722,027 Reactive Demand Charge Revenues	\$ 698,707	1.02 \$	722,027
4. Total Base Distribution Delivery Revenue			€	13,661,611	13,661,611 As-Used Daily Demand Charge	53,878,206 \$	0.2095 \$	11,289,464
5.					Total Base Transmission-Distribution Revenue		€9	13,661,611
9					Revenue Target		€9	13,661,611
7.					Over/(Under) Collection (Line 5 - Line 6)		\$	

Service Classification No. 3-A (Transmission)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)	Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation						
1. Customer Charge	1108 \$	4,513.00 \$	5,000,998 Customer Charge Revenues	1,108 \$	4,513.00 \$	5,000,998
2. Base Dist Demand Chg Revenues	13,369,239 \$	3.32 \$	44,359,136 Contract Demand Charge	16,022,416 \$	·	ı
3. Reactive Demand Charge Revenues	2,022,439 \$	1.02 \$	2,062,888 Reactive Demand Charge Revenues	2,022,439 \$	1.02 \$	2,062,888
4. Total Base Distribution Delivery Revenue		\$	51,423,022 As-Used Daily Demand Charge	229,674,452 \$	0.1931 \$	44,359,136
5.			Total Base Transmission-Distribution Revenue		S	51,423,022
.9			Revenue Target based on minimum Transmission Rev Req	v Req	S	51,423,022
7.			Over/(Under) Collection (Line 5 - Line 6)		S	

# NIAGARA MOHAWK POWER CORPORATION \( \psi \beta \beta \beta \) NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7 FY 2021 Standby Rate Design for

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Proposed

Proposed

		Requirements	Requirements		T&D	T&D
	Billing	Service	Service	Billing	Standby	Standby
	Units	Rate	Revenues	Units	Rate	Revenues
	(A)	(B)	(C)	(D)	(E)	(F)
Revenue Calculation						
1. Customer Charge Revenues	17,937,200 \$	17.00 \$	304,932,403 Customer Charge Revenues	17,937,200 \$	17.00 \$	304,932,403
2. Base Distribution Energy Charge	11,225,295,058 \$	0.06058 \$	680,028,375 Contract Customer Chg Revenues	17,937,200 \$	18.47 \$	331,285,685
3. Total Base Distribution Delivery Revenue		8	984,960,778 As-Used Daily Energy Charge	11,225,295,058	0.03107 \$	348,742,689
4.			Total Base Transmission-Distribution Revenue	/enue	89	984,960,778
5.			Revenue Target		89	984,960,778
			Over/(Under) Collection (Line 4 - Line 5)		89	

# NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7 FY 2021 Standby Rate Design for Service Classification No. 2 (Non-Demand)

		Requirements	Requirements		T&D	T&D
	Billing	Service	Service	Billing	Standby	Standby
	Units	Rate	Revenues	Units	Rate	Revenues
	(A)	(B)	(C)	(D)	(E)	(F)
Revenue Calculation						
1. Customer Charge Revenues	1,380,329 \$	21.02 \$	29,014,522 Customer Charge Revenues	1,380,329 \$	21.02 \$	29,014,522
2. Base Distribution Energy Charge	\$ 98,108,759 \$	0.06627 \$	39,636,667 Contract Customer Chg Revenues	1,380,329 \$	14.08 \$	19,432,268
3. Total Base Distribution Delivery Revenue		€9	68,651,189 As-Used Daily Energy Charge	598,108,759	0.03378 \$	20,204,399
4.			Total Base Transmission-Distribution Revenue	me	€9	68,651,189
5.			Revenue Target		S	68,651,189
.6			Over/(Under) Collection (Line 4 - Line 5)		S	ı

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7

FY 2021 Standby Rate Design for Service Classification No. 2 (Demand) for Interval Metered Customers

		Requirements	Requirements		T&D	T&D
	Billing	Service	Service	Billing	Standby	Standby
	Units	Rate	Revenues	Units	Rate	Revenues
	(A)	(B)	(C)	(D)	(E)	(F)
Revenue Calculation						
1. Customer Charge Revenues	\$96,123 \$	52.52 \$	31,308,397 Customer Charge Revenues	596,123 \$	52.52 \$	31,308,397
2. Base Distribution Demand Charge	14,108,519 \$	12.36 \$	174,423,617 Contract Demand Charge	22,336,625 \$	2.60 \$	58,100,815
3. Transformer Ownership Credit	307,690 \$	\$ (0.90)	(276,921) Transformer Ownrshp Credit Revenues	307,690 \$	\$ (0.90)	(276,921)
4. Total Base Distribution Delivery Revenue		€9	205,455,094 As-Used Daily Demand Charge	206,264,712	0.5639 \$	116,322,802
5.			Total Base Transmission-Distribution Revenue		↔	205,455,094
.9			Revenue Target		↔	205,455,094
.7.			Over/(Under) Collection (Line 5 - Line 6)		<del>\$</del>	

FY 2021 Standby Rate Design for Service Classification No. 3 (Secondary)

	Re	Requirements	Requirements		T&D	T&D
	Billing	Service	Service	Billing	Standby	Standby
	Units	Rate	Revenues	Units	Rate	Revenues
	(A)	(B)	(C)	(D)	(E)	(F)
Revenue Calculation						
<ol> <li>Customer Charge</li> <li>Special L Customer Charge</li> </ol>	29,337 \$ 16,176 \$	455.00 \$ 498.46 \$	13,348,465 Customer Charge Revenues 8,063,089 Incremental Special L Customer Charge	45,513 \$ 16,176 \$	\$ 455.00 \$ \$ 43.46 \$	20,708,545 703,009
3. Base Dist Demand Chg Revenues	11,398,500 \$	11.09 \$	126,375,165 Contract Demand Charge	14,822,034 \$	1.58 \$	23,465,567
4. Reactive Demand Charge Revenues	633,207 \$	0.85 \$	538,226 Reactive Demand Charge Revenues	633,207 \$	0.85 \$	538,226
5. Total Base Distribution Delivery Revenue		€9	148,324,945 As-Used Daily Demand Charge	179,061,355	0.5747 \$	102,909,598
.9			Total Base Transmission-Distribution Revenue		↔	148,324,945
7.			Revenue Target		↔	148,324,945
∞ ∞			Over/(Under) Collection (Line 6 - Line 7)		\$	1

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7 FY 2021 Standby Rate Design for Service Classification No. 3 (Primary)

	Billing	Requirements Service	Requirements Service	Billing	T&D Standby	T&D Standby
	Units	Rate	Revenues	Units	Rate	Revenues
	(A)	(B)	(C)	(D)	(E)	(F)
Revenue Calculation						
1. Customer Charge	3197 \$	\$ 436.70 \$	1,396,199 Customer Charge Revenues	8,945 \$	436.70 \$	3,906,351
2. Special L Customer Charge	5,748	\$ 480.16 \$	2,759,960 Incremental Special L Customer Charge	5,748 \$	43.46 \$	249,808
3. Base Dist Demand Chg Revenues	4,528,215 \$	\$ 62.6	44,331,223 Contract Demand Charge	7,278,927 \$	0.38 \$	2,789,766
4. Reactive Demand Charge Revenues	740,402 \$	8 0.85 \$	629,342 Reactive Demand Charge Revenues	740,402 \$	0.85 \$	629,342
5. Total Base Distribution Delivery Revenue		<del>\$</del>	49,116,723 As-Used Daily Demand Charge	77,007,442 \$	0.5394 \$	41,541,457
.9			Total Base Transmission-Distribution Revenue		<del>\$</del>	49,116,723
7.			Revenue Target		\$	49,116,723
∞i.			Over/(Under) Collection (Line 6 - Line 7)		S	1

Case 17-E-0238
Appendix 2
Schedule 5.6
Page 6 of 9

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7 FY 2021 Standby Rate Design for Service Classification No. 3 (Subtransmission) Transmission)

		Requirements	Requirements		T&D	T&D
	Billing	Service	Service	Billing	Standby	Standby
	Units	Rate	Revenues	Units	Rate	Revenues
	(A)	(B)	(C)	(D)	(E)	(F)
Revenue Calculation						
1. Customer Charge	561 \$	\$ 00.987	441,285 Customer Charge Revenues	2,145 \$	\$ 00.982	1,686,309
2. Special L Customer Charge	1,584 \$	829.46 \$	1,313,865 Incremental Special L Customer Charge	1,584 \$	43.46 \$	68,841
3. Base Dist Demand Chg Revenues	1,755,626 \$	2.96 \$	5,189,631 Contract Demand Charge	2,276,174 \$	<i>S</i>	1
4. Reactive Demand Charge Revenues	384,473 \$	0.85 \$	326,802 Reactive Demand Charge Revenues	384,473 \$	0.85 \$	326,802
5. Total Base Distribution Delivery Revenue		\$	7,271,583 As-Used Daily Demand Charge	27,105,819	0.1915 \$	5,189,631
			Total Base Transmission-Distribution Revenue		<del>\$</del>	7,271,583
7.			Revenue Target		€9	7,271,583
∞i			Over/(Under) Collection (Line 6 - Line 7)		€	•

FY 2021 Standby Rate Design for Service Classification No. 3-A (Secondary/Primary)

		Requirements	Requirements		T&D	T&D
	Billing	Service	Service	Billing	Standby	Standby
	Units	Rate	Revenues	Units	Rate	Revenues
	(A)	(B)	(C)	(D)	(E)	(F)
Revenue Calculation						
1. Customer Charge	932 \$	2,000.00 \$	1,863,633 Customer Charge Revenues	932 \$	\$ 2,000.00 \$	1,863,633
2. Base Dist Demand Chg Revenues	2,427,576 \$	10.66 \$	25,885,244 Contract Demand Charge	2,977,197 \$	0.83 \$	2,478,042
3. Reactive Demand Charge Revenues	375,376 \$	1.02 \$	382,884 Reactive Demand Charge Revenues	375,376 \$	1.02 \$	382,884
4. Total Base Distribution Delivery Revenue		\$	28,131,761 As-Used Daily Demand Charge	40,300,535 \$	0.5808 \$	23,407,202
5.			Total Base Transmission-Distribution Revenue	Revenue	€9	28,131,761
			Revenue Target		\$	28,131,761
7.			Over/(Under) Collection (Line 5 - Line 6)	e 6)	\$	ı

FY 2021 Standby Rate Design for Service Classification No. 3-A (Subtransmission)

		Requirements	Requirements		T&D	T&D
	Billing	Service	Service	Billing	Standby	Standby
	Units	Rate	Revenues	Units	Rate	Revenues
	(A)	(B)	(C)	(D)	(E)	(F)
Revenue Calculation						
1. Customer Charge	\$ 692	2,432.00 \$	1,870,976 Customer Charge Revenues	\$ 692	2,432.00 \$	1,870,976
2. Base Dist Demand Chg Revenues	3,162,266 \$	3.66 \$	11,583,380 Contract Demand Charge	3,882,117 \$	<del>\$</del>	•
3. Reactive Demand Charge Revenues	\$ 696,178 \$	1.02 \$	710,102 Reactive Demand Charge Revenues	696,178 \$	1.02 \$	710,102
4. Total Base Distribution Delivery Revenue		\$	14,164,458 As-Used Daily Demand Charge	53,062,422 \$	0.2183 \$	11,583,380
5.			Total Base Transmission-Distribution Revenue		\$	14,164,458
.9			Revenue Target		\$	14,164,458
7.			Over/(Under) Collection (Line 5 - Line 6)		€	1

FY 2021 Standby Rate Design for Service Classification No. 3-A (Transmission)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)	Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
Revenue Calculation						
1. Customer Charge	1001 \$	5,020.00 \$	5,474,930 Customer Charge Revenues	1,091 \$	5,020.00 \$	5,474,930
2. Base Dist Demand Chg Revenues	13,202,017 \$	3.36 \$	44,305,969 Contract Demand Charge	15,822,008 \$		
3. Reactive Demand Charge Revenues	1,997,989 \$	1.02 \$	2,037,948 Reactive Demand Charge Revenues	\$ 686,766,1	1.02 \$	2,037,948
4. Total Base Distribution Delivery Revenue		€	51,818,847 As-Used Daily Demand Charge	226,801,683 \$	0.1954 \$	44,305,969
5.			Total Base Transmission-Distribution Revenue		€9	51,818,847
6.			Revenue Target based on minimum Transmission Rev Req	Req	€9	51,818,847
7.			Over/(Under) Collection (Line 5 - Line 6)		\$	1

### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7 FY 2019 Standby Rate Design for Wholesale Generator Customer Charges

		Wh	lse Generator	Wl	hlse Generator
	Parent Class		T&D		Proposed
	T&D		Standby		Delivery
	Standby		Rate		Standby
	Rate		Credit		Rate
	(A)		(B)		(C)
Service Classification No. 3 (Subtransmission/Transm  1. Customer Charge  Service Classification No. 3-A (Subtransmission)	\$ 639.00	\$	(389.32)		249.68 780.07
2. Customer Charge  Service Classification No. 3-A (Transmission)	\$ 1,744.00		(963.93)		
3. Customer Charge	\$ 4,007.00	\$	(2,184.00)	\$	1,823.00

### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7 FY 2020 Standby Rate Design for Wholesale Generator Customer Charges

			Wh	lse Generator	Whlse Generator
	I	Parent Class		T&D	Proposed
		T&D		Standby	Delivery
		Standby		Rate	Standby
		Rate		Credit	Rate
		(A)		(B)	(C)
Service Classification No. 3 (Subtransmission/Transn 1. Customer Charge	nission) \$	712.00	\$	(389.32)	\$ 322.68
1. Customer Charge	Ф	/12.00	Ф	(389.32)	\$ 322.08
Service Classification No. 3-A (Subtransmission) 2. Customer Charge	\$	2,088.00	\$	(963.93)	\$ 1,124.07
Service Classification No. 3-A (Transmission) 3. Customer Charge	\$	4,513.00	\$	(2,184.00)	\$ 2,329.00

### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7 FY 2021 Standby Rate Design for Wholesale Generator Customer Charges

				Wh	lse Generator	W	hlse Generator
		P	arent Class		T&D		Proposed
			T&D		Standby		Delivery
			Standby		Rate		Standby
			Rate		Credit		Rate
			(A)		(B)		(C)
	Service Classification No. 3 (Subtransmission/Transmi	ssion)					
1	. Customer Charge	\$	786.00	\$	(389.32)	\$	396.68
2	Service Classification No. 3-A (Subtransmission) . Customer Charge	\$	2,432.00	\$	(963.93)	\$	1,468.07
3	Service Classification No. 3-A (Transmission) . Customer Charge	\$	5,020.00	\$	(2,184.00)	\$	2,836.00

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7

Contract Demand Multiplier, As-Used On-Peak Daily Demand/Energy, and Wholesale Energy Billing Determinants

FY 2019

				FY 2019					
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(5)
				I	arge General Service		La	Large General Service	
	Residential Svc	Small General Service	al Service		SC-3			SC-3A	
	SC-1	SC-2ND	SC-2D	Secondary	Primary	SubT/Transmission	Sec/Primary	Subtransmission	Transmission
1. Total Wholesale Energy Sales (kWh)	12,278,285,495	666,351,200	4,586,919,475	4,789,392,866	2,086,745,838	702,166,654	1,300,866,726	1,687,475,057	7,240,691,896
2. Sum of Customer Maximum Demands	•	1	18,265,136.7	14,647,981.5	6,736,964.3	2,087,418.5	3,187,228.8	4,160,833.1	15,513,528.8
3. Sum of Customer Demands			11,536,838.1	11,264,649.1	4,191,060.0	1,610,037.7	2,598,834.3	3,389,300.6	12,944,619.3
4. Contract Demand Multiplier	%00000000	%00000000	158.320127%	130.034957%	160.746070%	129.650285%	122.640710%	122.763768%	119.845384%
5. As Used Billing Determinants*	11,326,831,638 614,715,129	614,715,129	210,135,341.1	179,086,949.5	77,068,621.3	27,209,102.1	41,322,333.8	54,486,077.4	231,807,986.8

\* As Used Billing Determinants are On-Peak Daily kW for SC-2D (Interval Metered), SC-3, and SC-3A and are Monthly kWh for SC-1 and SC-2ND

NIAGARA MOHAWK POWER CORPORATION 4/b/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7

Contract Demand Multiplier, As-Used On-Peak Daily Demand/Energy, and Wholesale Energy Billing Determinants

FY 2020

(y)	(B)	(0)	(D)	(E)	(F)	(g)	(H)	(1)	(J)
	Residential Svc	Small General Service	ll Service	I	Large General Service SC-3		La	Large General Service SC-3A	
	SC-1	SC-2ND	SC-2D	Secondary	Primary	SubT/Transmission	Sec/Primary	Subtransmission	Transmission
1. Total Wholesale Energy Sales (kWh)	12,234,019,944	659,714,489	4,561,738,411	4,804,867,075	2,092,278,801	703,122,997	1,287,184,269	1,668,666,184	7,171,709,620
2. Sum of Customer Maximum Demands 3. Sum of Customer Demands			18,265,136.7	14,647,981.5	6,736,964.3	2,087,418.5	3,187,228.8	4,160,833.1	15,513,528.8
4. Contract Demand Multiplier	%00000000	0.000000%	158.320127%	130.034957%	160.746070%	129.650285%	122.640710%	122.763768%	119.845384%
5. As Used Billing Determinants*	11,285,996,258 608,592,702	608,592,702	208,981,607.2	179,664,976.4	77,279,965.3	27,237,041.5	40,888,480.4	53,878,206.1	229,674,451.6

\* As Used Billing Determinants are On-Peak Daily kW for SC-2D (Interval Metered), SC-3, and SC-3A and are Monthly kWh for SC-1 and SC-2ND

NIAGARA MOHAWK POWER CORPORATION db/a NATIONAL GRID PSC No. 220 Electricity Service Classification No. 7

Contract Demand Multiplier, As-Used On-Peak Daily Demand/Energy, and Wholesale Energy Billing Determinants

FY 2021

				17071					
(A)	(B)	(C)	(D)	(E)	(F)	(g)	(H)	(1)	6
				Ī	Large General Service		Lai	Large General Service	
	Residential Svc	Small General Service	ıl Service		SC-3			SC-3A	
	SC-1	SC-2ND	SC-2D	Secondary	Primary	SubT/Transmission	Sec/Primary	Subtransmission	Transmission
1. Total Wholesale Energy Sales (kWh)	12,168,219,843	648,349,894	4,502,438,628	4,788,772,114	2,084,739,762	700,023,175	1,268,706,784	1,643,446,790	7,080,316,389
2. Sum of Customer Maximum Demands	•	ı	18,265,136.7	14,647,981.5	6,736,964.3	2,087,418.5	3,187,228.8	4,160,833.1	15,513,528.8
<ol><li>Sum of Customer Demands</li></ol>			11,536,838.1	11,264,649.1	4,191,060.0	1,610,037.7	2,598,834.3	3,389,300.6	12,944,619.3
4. Contract Demand Multiplier	%00000000	0.000000.0	158.320127%	130.034957%	160.746070%	129.650285%	122.640710%	122.763768%	119.845384%
5. As Used Billing Determinants*	11,225,295,058 598,108,759	598,108,759	206,264,711.8	179,061,355.1	77,007,442.1	27,105,818.8	40,300,535.2	53,062,422.1	226,801,683.0

\* As Used Billing Determinants are On-Peak Daily kW for SC-2D (Interval Metered), SC-3, and SC-3A and are Monthly kWh for SC-1 and SC-2ND

Standby Allocated Cost of Service - Summary (5000s)

Account	Bai	Balance	Residential	Resid. TOU	Small Gen No Dem		Small Gen Demand	Large Gen-Sec	Large Ge	ı-Pri La	ırge Gen-Tran	Large Gen-Sec Large Gen-Pri Large Gen-Tran Lge Gen TOU-S/P Lge Gen TOU- Lge Gen TOU- Tran Tran	P Lge Gen TC SubT	OU- Lge G		Lighting
Description	Allocated Dollars		Nonheat&Heat SC1-NHHT	Time of Use SC1-TOU	Non Demand SC2-ND	General SC2-D	<i>S S</i>	Secondary SC3-SEC	Primary SC3-PRI	Tra	nsmission 3-SUB/TRAN?	Transmission Secondary/Primary Subtransmission SC3-SUB/TRAN? SC3A-SEC/PRI SC3A-SUB	y Subtransmiss SC3A-SUB	sion Transmission SC3A-TRA	ission TRA	
1 Total Revenue Requirement Shared	S	\$ 065,798	399,206	\$ 8,033	S	24,267 \$	135,468	\$ 128,061 \$		49,154 \$	7,565	\$ 28,662	S	17,258 \$	\$ 808,59	4,106
2 Total Revenue Requirement Local	S	1,045,571 \$	737,875	\$ 5,060	S	58,189 \$	103,802 \$	\$ 56,515 \$	89	8,963 \$	2,480	\$ 5,785	S	3,259 \$	\$ 688,6	53,753
3 Total Revenue Requirement	~	1,913,161 \$	1,137,081	\$ 13,093	S	82,457 \$	239,270 \$	\$ 184,576 \$		58,117 \$	10,044	\$ 34,448	s	20,517 \$	75,697 \$	57,859
4 Percent Shared		45%	35%	61%		29%	57%	%69		85%	75%	83%	, o	84%	87%	7%
Weighting of Shared Allocator for SC1-NHHT and SC1-TOU	TOU-															
5 Total Revenue Requirement Shared (SC-1 and SC1-TOU)	6	89	407,239													

742,935	1,150,174
<>>	S
6 Total Revenue Requirement Local (SCI and SCI-TOU)	7 Total Revenue Requirement (SC-1 and SC1-TOU)

35%

8 Percent Shared (SC-1 and SC1-TOU)

4 Line 1 / Line 3

<sup>1</sup> Sum of Line 1 from Pages 2-7

<sup>2</sup> Sum of Line 2 from Pages 2-7

<sup>3</sup> Sum of Lines 1-2.

<sup>5</sup> Sum of Line 1 for Residential and Residential TOU Service Classes

<sup>6</sup> Sum of Line 2 for Residential and Residential TOU Service Classes

<sup>7</sup> Sum of Line 3 for Residential and Residential TOU Service Classes 8 Line 5 / Line 7

Standby Allocated Cost of Service - Transmission Demand

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Account	Balance	Residential	Resid. TOU	Small Gen No Dem	Small Gen Demand	Large Gen- Sec	Large Gen- Pri	Large Gen- Tran	Lge Gen TOU-S/P	Lge Gen TOU-SubT	Lge Gen TOU-Tran	Lighting
1 Total Revenue Requirement Shared	\$459,912	\$188,515	\$3,726	\$11,700	\$66,493	\$61,370	\$23,680	\$7,565	\$13,714	\$17,258	\$65,808	\$84
2 Total Revenue Requirement Local	80	80	80	80	80	80	80	80	80	80	80	80
3 Total Revenue Requirement	\$459,912	\$188,515	\$3,726	\$11,700	\$66,493	\$61,370	\$23,680	\$7,565	\$13,714	\$17,258	\$65,808	\$84
4 Percent Shared	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Revenue Requirement after applying Shared Alloctators to Exhibit (E-RDP-3CU), Schedule 7A.
 Revenue Requirement after applying Local Allociators to Exhibit (E-RDP-3CU), Schedule 7A.
 Sum of Lines I and 2.
 Line 1 / Line 3.

Standby Allocated Cost of Service - Primary Demand

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Account	Balance	Residential	Resid. TOU	Small Gen No Dem	Small Gen Demand	Large Gen- Sec	Large Gen- Pri	Large Gen- Tran	Lge Gen TOU-S/P	Lge Gen TOU-SubT	Lge Gen TOU-Tran	Lighting
l Total Revenue Requirement Shared	\$407,677	\$210,691	\$4,307	\$12,568	868,976	\$66,691	\$25,474	80	\$14,948	80	80	\$4,022
2 Total Revenue Requirement Local	850,509	\$32,956	8369	\$1,898	\$6,209	\$5,157	\$1,859	\$2	\$1,094	S1	\$3	\$962
3 Total Revenue Requirement	\$458,186	\$243,647	\$4,676	\$14,465	\$75,185	\$71,848	\$27,333	\$2	\$16,042	\$1	\$3	\$4,984
4 Percent Shared	%68	%98	92%	87%	92%	93%	93%	%0	93%	%0	%0	81%

1 Revenue Requirement after applying Shared Alloctators to Exhibit (E-RDP-3CU), Schedule 7B. 2 Revenue Requirement after applying Local Alloctators to Exhibit (E-RDP-3CU), Schedule 7B. 3 Sum of Lines 1 and 2. 4 Line 1 / Line 3

Standby Allocated Cost of Service - Primary Customer (\$000s)

(6000)		
9		

'
,299.85 \$ 219,612.64 \$ 873.98 \$ 16,653.83 \$ 10,008.78 \$ 2,925.63 \$
\$252,300 \$219,613
%0 %0

Revenue Requirement after applying Shared Alloctators to Exhibit (E-RDP-3CU), Schedule 7C.
 Revenue Requirement after applying Local Alloctators to Exhibit (E-RDP-3CU), Schedule 7C.
 Sum of Lines 1 and 2.
 Line 1 / Line 3

Standby Allocated Cost of Service - Secondary Demand

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Account	Balance	Residential	Resid. TOU Small Gen No S	Small Gen No Dem	Small Gen Demand	Large Gen-Sec	Large Gen- Large Gen- Lge Gen Pri Tran TOU-S/P	- Large (	jen-	Lge Gen TOU-S/P	Lge Gen TOU-SubT		Lge Gen TOU-Tran	Lighting	
1 Total Revenue Requirement Shared	· · · · · · · · · · · · · · · · · · ·	•	· ·	· ·	· ·	· ·	· ·	s			· ·	S	1		
2 Total Revenue Requirement Local	\$ 194,848.10 \$	117,848.44	\$ 1,162.73	\$ 7,027.86	117,848.44 \$ 1,162.73 \$ 7,027.86 \$ 37,347.04 \$		28,346.50 \$ 11.67 \$	2 &	1.13	1.13 \$ 935.72 \$		0.54 \$ 1.48 \$ 2,164.99	1.48	2,164.9	6
3 Total Revenue Requirement	\$194,848	\$117,848	\$1,163	\$7,028	\$37,347	\$28,346		\$12	\$1	8936		\$1	\$1	\$2,165	99
4 Percent Shared	%0	%0	%0	%0	%0	%0 :		%0	%0	%0		%0	%0	0	%0

Revenue Requirement after applying Shared Alloctators to Exhibit (E-RDP-3CU), Schedule 7D.
 Revenue Requirement after applying Local Alloctators to Exhibit (E-RDP-3CU), Schedule 7D.
 Sum of Lines 1 and 2.
 Line 1 / Line 3

Standby Allocated Cost of Service - Secondary Customer

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ng		25.27	\$45,725	%0
Lighting		4.63 \$ 45,725.27	2	
-	S	.s	\$5	%0
Lge Gen TOU-Tran	•			0
	S	2.84 \$	\$3	%0
Lge Gen TOU-SubT	•			Ü
	S	2 2	\$163	%0
Lge Gen TOU-S/P	•	7.16 \$ 162.57 \$	SI	Ü
	S	s 9	2.2	%0
Large Gen- Tran	1	7.1	•	0
<u>ت</u>	S	8	9	%0
Sec Large Gen- L Pri	1	36.46	\$36	ő
ي ت	S	ee	9	%0
Large Gen-Sec	•	1,999.68	\$2,000	Õ
Lar	S	8		<b>\0</b>
Small Gen Demand	•	6,933.49 \$ 1,999.68 \$ 36.46 \$	\$6,933	%0
$^{ m S}_{ m I}$	S	S		
OU Small Gen No Dem		88.16	\$11,588	%0
nall G Der		11,5	8	
. <u>7</u>	∽	∞	2	. 0
5		6	8	€.
ssid. TOU	•	502.19	\$502	%0
Resid. TOU	· ·	8 \$ 502.19		
Resid. To	S	123,548.58 \$ 502.19	\$123,549 \$50	%0 %0
Residential Resid. TOU	. ss	\$ 123,548.58 \$ 502.19 \$ 11,588.16 \$		
Residential Resid. T	· · · · · · · · · · · · · · · · · · ·		1 \$123,549	
Residential Resid. T	· · · · · · · · · · · · · · · · · · ·			%0
Resid. To		\$ 190,511.03 \$ 123,548.58 \$ 502.19	1 \$123,549	%0
Residential Resid. T	s		1 \$123,549	%0
Residential Resid. T	s - s - s	\$ 190,511.03	1 \$123,549	%0
Residential Resid. T	s - s - s	\$ 190,511.03	\$190,511 \$123,549	%0
Residential Resid. T	s - s - s	\$ 190,511.03	\$190,511 \$123,549	%0
Residential Resid. T	s - s - s	\$ 190,511.03	\$190,511 \$123,549	%0 %0
Residential Resid. T	s - s - s	\$ 190,511.03	\$190,511 \$123,549	%0 %0
Balance Residential Resid. T	s - s - s	\$ 190,511.03	\$190,511 \$123,549	%0 %0
Residential Resid. T	Total Revenue Requirement Shared		1 \$123,549	%0

1 Revenue Requirement after applying Shared Alloctators to Exhibit (E-RDP-3CU), Schedule 7E. 2 Revenue Requirement after applying Local Alloctators to Exhibit (E-RDP-3CU), Schedule 7E. 3 Sum of Lines 1 and 2. 4 Line 1 / Line 3

Standby Allocated Cost of Service - On-site Customer

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in g		4,035	4,035	%0
Lighting				
	S	8 628'6	8 628'6	%0
Gen TO Tran	'			ŏ
-Lge	S	S	S	
ien TOU	•	3,254 \$	3,254 \$	%0
Lge	S	S	S	
e Gen U-S/P	•	3,119	3,119	%0
Lg	S	S	S	
Large Gen-Sec Large Gen-Pri Large Gen- Lge Gen TOU-Lge Gen TOU. Tran TOU-S/P SubT Tran TOU-S/P	•	2,468 \$	2,468 \$	%0
Lar	S	S	S	
e Gen-Pri	•	6,175 \$	6,175 \$	%0
Larg	S	S	S	
-Sec		18,087 \$	18,087 \$	%0
ge Ger				
Larg	S	S	S	
Small Gen Demand	•	43,304 \$	43,304 \$	%0
Sr	S	S	S	
U Small Gen No S	•	21,022 \$	21,022 \$	%0
Smal ]	∞	S	S	
Resid. TOU	•	2,152	2,152 \$	%0
Re	∞	S	S	
esidential	1	243,909	243,909	%0
Re	∞	S	S	
Balance	•	357,403	357,403	%0
В	∞	S	S	
	ned	Teg.		
Account	1 Total Revenue Requirement Shared	2 Total Revenue Requirement Local	3 Total Revenue Requirement	4 Percent Shared
Aç	1 To	2 To	3 To	4 Pei

1 Revenue Requirement after applying Shared Alloctators to Exhibit (E-RDP-3CU), Schedules 7E, 7F, 7G, 7H, 7I, 7K, 7L, and 7M. 2 Revenue Requirement after applying Local Alloctators to Exhibit (E-RDP-3CU), Schedules 7E, 7F, 7G, 7H, 7I, 7K, 7L, and 7M. 3 Sum of Lines 1 and 2. 4 Line 1 / Line 3

GG1 DEGIDENTIAL	Current	Proposed	Increase/	Percent
SC1-RESIDENTIAL	Rates	Rates	Decrease	Change
Distribution Delivery Rates and Charges All zones				
Customer Charge - Standard	\$17.00	\$17.00	\$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Customer Charge	\$22.60	\$14.67	-\$7.93	-35.1%
As-Used Daily Energy Charge per kWh	\$0.01190	\$0.02734	\$0.01544	129.8%
	Current	Proposed	Increase/	Percent
SC2ND-SMALL GENERAL SERVICE	Rates	Rates	Decrease	Change
Distribution Delivery Rates and Charges All zones				
Customer Charge	\$21.02	\$21.02	\$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Customer Charge	\$19.85	\$11.45	-\$8.40	-42.3%
As-Used Daily Energy Charge per kWh	\$0.01600	\$0.03016	\$0.01416	88.5%
	Current	Proposed	Increase/	Percent
SC2D-SMALL GENERAL SERVICE	Rates	Rates	Decrease	Change
Distribution Delivery Rates and Charges All zones				
Customer Charge	\$52.52	\$52.52	\$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Demand Charge per kW	\$4.72	\$2.14	-\$2.58	-54.7%
Transformer Credit per kW	-\$0.90	-\$0.90	\$0.00	0.0%
As-Used Daily Demand Charge per kW	\$0.2897	\$0.4939	\$0.2042	70.5%

SC3-LARGE GENERAL SERVICE SECONDARY METERED (UP TO 2.2 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges All zones				
Customer Charge	\$260.15	\$325.00	\$64.85	24.9%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Demand Charge per kW	\$4.94	\$1.66	-\$3.28	-66.4%
Reactive Demand Charge per kvar	\$0.85	\$0.85	\$0.00	0.0%
As-Used Daily Demand Charge per kW	\$0.2379	\$0.5128	\$0.2749	115.5%
SC3-LARGE GENERAL SERVICE PRIMARY METERED (2.2 TO 15 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges All zones				
Customer Charge	\$436.70	\$436.70	\$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Demand Charge per kW	\$4.07	\$0.27	-\$3.80	-93.3%
Reactive Demand Charge per kvar	\$0.85	\$0.85	\$0.00	0.0%
As-Used Daily Demand Charge per kW	\$0.1920	\$0.4806	\$0.2886	150.3%

SC3-LARGE GENERAL SERVICE SUBTRANSMISSION METERED (22 TO 50 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges All zones				
Customer Charge for Non-Wholesale Generators	\$565.23	\$639.00	\$73.77	13.1%
Customer Charge for Wholesale Generators	\$175.91	\$249.68	\$73.77	41.9%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Demand Charge per kW	\$1.20	\$0.00	-\$1.20	-100.0%
Reactive Demand Charge per kvar	\$0.85	\$0.85	\$0.00	0.0%
As-Used Daily Demand Charge per kW	\$0.0777	\$0.1737	\$0.0960	123.6%
SC3-LARGE GENERAL SERVICE TRANSMISSION METERED (OVER 60 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges All zones				
Customer Charge for Non-Wholesale Generators	\$565.23	\$639.00	\$73.77	13.1%
Customer Charge for Wholesale Generators	\$175.91	\$249.68	\$73.77	41.9%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Demand Charge per kW	\$1.20	\$0.00	-\$1.20	-100.0%
Reactive Demand Charge per kvar	\$0.85	\$0.85	\$0.00	0.0%
As-Used Daily Demand Charge per kW	\$0.0777	\$0.1737	\$0.0960	123.6%

SC3A-LARGE GENERAL SERVICE T.O.U. SECONDARY METERED (UP TO 2.2 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges All zones				
Customer Charge for Non-Wholesale Generators	\$1,000.00	\$1,333.33	\$333.33	33.3%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Demand Charge per kW Reactive Demand Charge per kvar	\$3.71 \$1.02	\$0.85 \$1.02	-\$2.86 \$0.00	-77.1% 0.0%
As-Used Daily Demand Charge per kW	\$0.2691	\$0.5144	\$0.2453	91.2%
SC3A-LARGE GENERAL SERVICE T.O.U. PRIMARY METERED (2.2 TO 15 KV) Distribution Delivery Rates and Charges	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
All zones Customer Charge	\$1,000.00	\$1,333.33	\$333.33	33.3%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Demand Charge per kW	\$3.71	\$0.85	-\$2.86	-77.1%
Reactive Demand Charge per kvar	\$1.02	\$1.02	\$0.00	0.0%
As-Used Daily Demand Charge per kW	\$0.2691	\$0.5144	\$0.2453	91.2%

SC3A-LARGE GENERAL SERVICE T.O.U. SUBTRANSMISSION METERED (22 TO 50 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges All zones				
Customer Charge for Non-Wholesale Generators Customer Charge for Wholesale Generators Standby Incremental Customer Charge	\$1,400.00 \$436.07 See Tariff	\$1,744.00 \$780.07 See Tariff	\$344.00 \$344.00 \$0.00	24.6% 78.9% N/A
Contract Demand Charge per kW Reactive Demand Charge per kvar	\$0.65 \$1.02	\$0.00 \$1.02	-\$0.65 \$0.00	-100.0% 0.0%
As-Used Daily Demand Charge per kW	\$0.1591	\$0.2056	\$0.0465	29.2%
SC3A-LARGE GENERAL SERVICE T.O.U. TRANSMISSION METERED (OVER 60 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges All zones				
Customer Charge for Non-Wholesale Generators	\$3,500.00	\$4,007.00	\$507.00	14.5%
Customer Charge for Wholesale Generators Standby Incremental Customer Charge	\$988.00 See Tariff	\$1,823.00 See Tariff	\$835.00 \$0.00	84.5% N/A
Contract Demand Charge per kW	\$0.64	\$0.00	-\$0.64	-100.0%
Reactive Demand Charge per kvar	\$1.02	\$1.02	\$0.00	0.0%
As-Used Daily Demand Charge per kW	\$0.1235	\$0.1728	\$0.0493	39.9%

SC1-RESIDENTIAL	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
				8
Distribution Delivery Rates and Charges All zones				
Customer Charge - Standard	\$17.00	\$17.00	\$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Customer Charge	\$22.60	\$16.53	-\$6.07	-26.9%
As-Used Daily Energy Charge per kWh	\$0.01190	\$0.02913	\$0.01723	144.8%
	Current	Proposed	Increase/	Percent
SC2ND-SMALL GENERAL SERVICE	Rates	Rates	Decrease	Change
Distribution Delivery Rates and Charges All zones				
Customer Charge	\$21.02	\$21.02	\$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Customer Charge	\$19.85	\$12.58	-\$7.27	-36.6%
As-Used Daily Energy Charge per kWh	\$0.01600	\$0.03165	\$0.01565	97.8%
		D 1		<b>D</b>
GCAD GMALL GENERAL GERMAGE	Current	Proposed	Increase/	Percent
SC2D-SMALL GENERAL SERVICE	Rates	Rates	Decrease	Change
Distribution Delivery Rates and Charges All zones				
Customer Charge	\$52.52	\$52.52	\$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Demand Charge per kW	\$4.72	\$2.37	-\$2.35	-49.8%
Transformer Credit per kW	-\$0.90	-\$0.90	\$0.00	0.0%
As-Used Daily Demand Charge per kW	\$0.2897	\$0.5278	\$0.2381	82.2%

SC3-LARGE GENERAL SERVICE SECONDARY METERED (UP TO 2.2 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges All zones				
Customer Charge	\$260.15	\$390.00	\$129.85	49.9%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Demand Charge per kW	\$4.94	\$1.62	-\$3.32	-67.2%
Reactive Demand Charge per kvar	\$0.85	\$0.85	\$0.00	0.0%
As-Used Daily Demand Charge per kW	\$0.2379	\$0.5421	\$0.3042	127.9%
SC3-LARGE GENERAL SERVICE PRIMARY METERED (2.2 TO 15 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges All zones				
Customer Charge	\$436.70	\$436.70	\$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Demand Charge per kW	\$4.07	\$0.33	-\$3.74	-91.9%
Reactive Demand Charge per kvar	\$0.85	\$0.85	\$0.00	0.0%
As-Used Daily Demand Charge per kW	\$0.1920	\$0.5100	\$0.3180	165.6%

SC3-LARGE GENERAL SERVICE SUBTRANSMISSION METERED (22 TO 50 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges All zones				
Customer Charge for Non-Wholesale Generators Customer Charge for Wholesale Generators Standby Incremental Customer Charge	\$565.23 \$175.91 See Tariff	\$712.00 \$322.68 See Tariff	\$146.77 \$146.77 \$0.00	26.0% 83.4% N/A
Contract Demand Charge per kW Reactive Demand Charge per kvar	\$1.20 \$0.85	\$0.00 \$0.85	-\$1.20 \$0.00	-100.0% 0.0%
As-Used Daily Demand Charge per kW	\$0.0777	\$0.1826	\$0.1049	135.0%
SC3-LARGE GENERAL SERVICE TRANSMISSION METERED (OVER 60 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges All zones				
Customer Charge for Non-Wholesale Generators	\$565.23	\$712.00	\$146.77	26.0%
Customer Charge for Wholesale Generators Standby Incremental Customer Charge	\$175.91 See Tariff	\$322.68 See Tariff	\$146.77 \$0.00	83.4% N/A
Contract Demand Charge per kW	\$1.20	\$0.00	-\$1.20	-100.0%
Reactive Demand Charge per kvar	\$0.85	\$0.85	\$0.00	0.0%
As-Used Daily Demand Charge per kW	\$0.0777	\$0.1826	\$0.1049	135.0%

SC3A-LARGE GENERAL SERVICE T.O.U. SECONDARY METERED (UP TO 2.2 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges All zones				
Customer Charge for Non-Wholesale Generators	\$1,000.00	\$1,666.67	\$666.67	66.7%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Demand Charge per kW Reactive Demand Charge per kvar	\$3.71 \$1.02	\$0.84 \$1.02	-\$2.87 \$0.00	-77.4% 0.0%
As-Used Daily Demand Charge per kW	\$0.2691	\$0.5467	\$0.2776	103.2%
SC3A-LARGE GENERAL SERVICE T.O.U. PRIMARY METERED (2.2 TO 15 KV)  Distribution Delivery Rates and Charges	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
All zones Customer Charge	\$1,000.00	\$1,666.67	\$666.67	66.7%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Demand Charge per kW	\$3.71	\$0.84	-\$2.87	-77.4%
Reactive Demand Charge per kvar	\$1.02	\$1.02	\$0.00	0.0%
As-Used Daily Demand Charge per kW	\$0.2691	\$0.5467	\$0.2776	103.2%

SC3A-LARGE GENERAL SERVICE T.O.U. SUBTRANSMISSION METERED (22 TO 50 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges All zones				
Customer Charge for Non-Wholesale Generators Customer Charge for Wholesale Generators Standby Incremental Customer Charge	\$1,400.00 \$436.07 See Tariff	\$2,088.00 \$1,124.07 See Tariff	\$688.00 \$688.00 \$0.00	49.1% 157.8% N/A
Contract Demand Charge per kW Reactive Demand Charge per kvar	\$0.65 \$1.02	\$0.00 \$1.02	-\$0.65 \$0.00	-100.0% 0.0%
As-Used Daily Demand Charge per kW	\$0.1591	\$0.2095	\$0.0504	31.7%
SC3A-LARGE GENERAL SERVICE T.O.U. TRANSMISSION METERED (OVER 60 KV) Distribution Delivery Rates and Charges	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
All zones Customer Charge for Non-Wholesale Generators Customer Charge for Wholesale Generators Standby Incremental Customer Charge	\$3,500.00 \$988.00 See Tariff	\$4,513.00 \$2,329.00 See Tariff	\$1,013.00 \$1,341.00 \$0.00	28.9% 135.7% N/A
Contract Demand Charge per kW	\$0.64	\$0.00	-\$0.64	-100.0%
Reactive Demand Charge per kvar	\$1.02	\$1.02	\$0.00	0.0%
As-Used Daily Demand Charge per kW	\$0.1235	\$0.1931	\$0.0696	56.4%

SC1-RESIDENTIAL	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
	14000	114405	20010000	ommige.
Distribution Delivery Rates and Charges All zones				
Customer Charge - Standard	\$17.00	\$17.00	\$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Customer Charge	\$22.60	\$18.47	-\$4.13	-18.3%
As-Used Daily Energy Charge per kWh	\$0.01190	\$0.03107	\$0.01917	161.1%
	Current	Proposed	Increase/	Percent
SC2ND-SMALL GENERAL SERVICE	Rates	Rates	Decrease	Change
Distribution Delivery Rates and Charges All zones				
Customer Charge	\$21.02	\$21.02	\$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Customer Charge	\$19.85	\$14.08	-\$5.77	-29.1%
As-Used Daily Energy Charge per kWh	\$0.01600	\$0.03378	\$0.01778	111.1%
		D. I	<b>T</b>	<b>D</b>
COAD CMALL CENERAL CERUICE	Current	Proposed	Increase/	Percent
SC2D-SMALL GENERAL SERVICE	Rates	Rates	Decrease	Change
Distribution Delivery Rates and Charges All zones				
Customer Charge	\$52.52	\$52.52	\$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Demand Charge per kW	\$4.72	\$2.60	-\$2.12	-44.9%
Transformer Credit per kW	-\$0.90	-\$0.90	\$0.00	0.0%
As-Used Daily Demand Charge per kW	\$0.2897	\$0.5639	\$0.2742	94.7%

SC3-LARGE GENERAL SERVICE SECONDARY METERED (UP TO 2.2 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges All zones				
Customer Charge	\$260.15	\$455.00	\$194.85	74.9%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Demand Charge per kW	\$4.94	\$1.58	-\$3.36	-68.0%
Reactive Demand Charge per kvar	\$0.85	\$0.85	\$0.00	0.0%
As-Used Daily Demand Charge per kW	\$0.2379	\$0.5747	\$0.3368	141.6%
SC3-LARGE GENERAL SERVICE	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
PRIMARY METERED (2.2 TO 15 KV)				
Distribution Delivery Rates and Charges All zones				
Customer Charge	\$436.70	\$436.70	\$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Demand Charge per kW	\$4.07	\$0.38	-\$3.69	-90.6%
Reactive Demand Charge per kvar	\$0.85	\$0.85	\$0.00	0.0%
As-Used Daily Demand Charge per kW	\$0.1920	\$0.5394	\$0.3474	181.0%

SC3-LARGE GENERAL SERVICE SUBTRANSMISSION METERED (22 TO 50 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges All zones				
Customer Charge for Non-Wholesale Generators Customer Charge for Wholesale Generators Standby Incremental Customer Charge	\$565.23 \$175.91 See Tariff	\$786.00 \$396.68 See Tariff	\$220.77 \$220.77 \$0.00	39.1% 125.5% N/A
Contract Demand Charge per kW Reactive Demand Charge per kvar	\$1.20 \$0.85	\$0.00 \$0.85	-\$1.20 \$0.00	-100.0% 0.0%
As-Used Daily Demand Charge per kW	\$0.0777	\$0.1915	\$0.1138	146.4%
SC3-LARGE GENERAL SERVICE TRANSMISSION METERED (OVER 60 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges All zones				
Customer Charge for Non-Wholesale Generators Customer Charge for Wholesale Generators Standby Incremental Customer Charge	\$565.23 \$175.91 See Tariff	\$786.00 \$396.68 See Tariff	\$220.77 \$220.77 \$0.00	39.1% 125.5% N/A
Contract Demand Charge per kW	\$1.20	\$0.00	-\$1.20	-100.0%
Reactive Demand Charge per kvar	\$0.85	\$0.85	\$0.00	0.0%
As-Used Daily Demand Charge per kW	\$0.0777	\$0.1915	\$0.1138	146.4%

SC3A-LARGE GENERAL SERVICE T.O.U. SECONDARY METERED (UP TO 2.2 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges All zones				
Customer Charge for Non-Wholesale Generators	\$1,000.00	\$2,000.00	\$1,000.00	100.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Demand Charge per kW Reactive Demand Charge per kvar	\$3.71 \$1.02	\$0.83 \$1.02	-\$2.88 \$0.00	-77.6% 0.0%
As-Used Daily Demand Charge per kW	\$0.2691	\$0.5808	\$0.3117	115.8%
SC3A-LARGE GENERAL SERVICE T.O.U. PRIMARY METERED (2.2 TO 15 KV) Distribution Delivery Rates and Charges	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
All zones Customer Charge	\$1,000.00	\$2,000.00	\$1,000.00	100.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Demand Charge per kW	\$3.71	\$0.83	-\$2.88	-77.6%
Reactive Demand Charge per kvar	\$1.02	\$1.02	\$0.00	0.0%
As-Used Daily Demand Charge per kW	\$0.2691	\$0.5808	\$0.3117	115.8%

SC3A-LARGE GENERAL SERVICE T.O.U. SUBTRANSMISSION METERED (22 TO 50 KV)	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges All zones				
Customer Charge for Non-Wholesale Generators Customer Charge for Wholesale Generators Standby Incremental Customer Charge	\$1,400.00 \$436.07 See Tariff	\$2,432.00 \$1,468.07 See Tariff	\$1,032.00 \$1,032.00 \$0.00	73.7% 236.7% N/A
Contract Demand Charge per kW Reactive Demand Charge per kvar	\$0.65 \$1.02	\$0.00 \$1.02	-\$0.65 \$0.00	-100.0% 0.0%
As-Used Daily Demand Charge per kW	\$0.1591	\$0.2183	\$0.0592	37.2%
SC3A-LARGE GENERAL SERVICE T.O.U. TRANSMISSION METERED (OVER 60 KV) Distribution Delivery Rates and Charges	Current Rates	Proposed Rates	Increase/ Decrease	Percent Change
All zones Customer Charge for Non-Wholesale Generators Customer Charge for Wholesale Generators Standby Incremental Customer Charge	\$3,500.00 \$988.00 See Tariff	\$5,020.00 \$2,836.00 See Tariff	\$1,520.00 \$1,848.00 \$0.00	43.4% 187.0% N/A
Contract Demand Charge per kW	\$0.64	\$0.00	-\$0.64	-100.0%
Reactive Demand Charge per kvar	\$1.02	\$1.02	\$0.00	0.0%
As-Used Daily Demand Charge per kW	\$0.1235	\$0.1954	\$0.0719	58.2%

	Fiscal Year 2019 RDM Annual Ro	evenue Targets
		RDM Annual
Lines		Target Revenue
1	SC1	\$859,248,259
2	SC1C	\$10,475,930
3	SC2ND	\$62,998,060
4	SC2D	\$183,586,394
5	SC3 Sec	\$131,381,790
6	SC3 Pri	\$43,230,696
7	SC3 Sub/Tran	\$6,228,159
8	SC3A Sec/Pri	\$25,099,257
9	SC3A Sub	\$12,910,966
10	SC3A Tran	\$41,084,688
11	PSC 214 (all classes)	\$53,661,530
12	Totals	\$1,429,905,730
	Fiscal Year 2020 RDM Annual R	evenue Targets  RDM Annual
		Target Revenue
13	SC1	\$912,579,494
13	SC1C	\$10,459,673
15	SC2ND	
		\$65,451,889
16	SC2D	\$195,081,280
17	SC3 Sec	\$139,407,139
18	SC3 Pri	\$46,039,004
19	SC3 Sub/Tran	\$6,629,440
20	SC3A Sec/Pri	\$26,421,151
21 22	SC3A Sub	\$13,227,359
23	SC3A Tran	\$45,910,585
23 24	PSC 214 (all classes)	\$53,802,627
24	Totals	\$1,515,009,640
	Fiscal Year 2021 RDM Annual Ro	evenue Targets
		RDM Annual
		<u>Target Revenue</u>
25	SC1	\$968,230,669
26	SC1C	\$10,609,982
27	SC2ND	\$68,650,905
28	SC2D	\$205,722,764
29	SC3 Sec	\$147,376,007
30	SC3 Pri	\$48,559,727
31	SC3 Sub/Tran	\$7,009,921
32	SC3A Sec/Pri	\$27,689,589
33	SC3A Sub	\$13,732,187
34	SC3A Tran	\$46,381,895
35	PSC 214 (all classes)	\$54,304,938
36	Totals	\$1,598,268,585

Lines 1-12, Total Base Delivery Revenue on Appendix 2, Schedule 2 per applicable service classification Lines 13-24, Total Base Delivery Revenue on Appendix 2, Schedule 2 per applicable service classification Lines 25-36, Total Base Delivery Revenue on Appendix 2, Schedule 2 per applicable service classification

Fiscal Year 2022 F	RDM Annual Revenue Targets
	RDM Annual
	Target Revenue
SC1	\$977,507,598
SC1C	\$10,730,256
SC2ND	\$69,348,600
SC2D	\$206,816,161
SC3 Sec	\$148,819,590
SC3 Pri	\$48,998,238
SC3 Sub/Tran	\$7,075,861
SC3A Sec/Pri	\$27,956,538
SC3A Sub	\$14,035,076
SC3A Tran	\$46,822,389
PSC 214 (all classes)	\$54,844,938
Totals	\$1,612,955,244
Fiscal Year 2023 F	RDM Annual Revenue Targets
Fiscal Year 2023 F	RDM Annual Revenue Targets  RDM Annual
Fiscal Year 2023 F	•
	RDM Annual
SC1	RDM Annual <u>Target Revenue</u> \$979,206,685
Fiscal Year 2023 F SC1 SC1C SC2ND	RDM Annual <u>Target Revenue</u> \$979,206,685
SC1 SC1C	RDM Annual <u>Target Revenue</u> \$979,206,685 \$10,809,901 \$70,048,741
SC1 SC1C SC2ND SC2D	RDM Annual <u>Target Revenue</u> \$979,206,685 \$10,809,901 \$70,048,741 \$207,316,236
SC1 SC1C SC2ND SC2D SC3 Sec	RDM Annual <u>Target Revenue</u> \$979,206,685 \$10,809,901 \$70,048,741 \$207,316,236 \$149,419,188
SC1 SC1C SC2ND SC2D SC3 Sec SC3 Pri	RDM Annual <u>Target Revenue</u> \$979,206,685 \$10,809,901 \$70,048,741 \$207,316,236 \$149,419,188 \$49,212,592
SC1 SC1C SC2ND	RDM Annual <u>Target Revenue</u> \$979,206,685 \$10,809,901 \$70,048,741 \$207,316,236 \$149,419,188 \$49,212,592 \$7,110,527
SC1 SC1C SC2ND SC2D SC3 Sec SC3 Pri SC3 Sub/Tran	RDM Annual <u>Target Revenue</u> \$979,206,685 \$10,809,901 \$70,048,741 \$207,316,236 \$149,419,188 \$49,212,592 \$7,110,527 \$27,964,897
SC1 SC1C SC2ND SC2D SC3 Sec SC3 Pri SC3 Sub/Tran SC3A Sec/Pri	RDM Annual <u>Target Revenue</u> \$979,206,685 \$10,809,901 \$70,048,741 \$207,316,236 \$149,419,188 \$49,212,592 \$7,110,527 \$27,964,897
SC1 SC1C SC2ND SC2D SC3 Sec SC3 Pri SC3 Sub/Tran SC3A Sec/Pri SC3A Sub	RDM Annual <u>Target Revenue</u> \$979,206,685 \$10,809,901 \$70,048,741 \$207,316,236 \$149,419,188 \$49,212,592 \$7,110,527 \$27,964,897 \$14,092,718

Lines 37-48, Total Base Delivery Revenue on Appendix 2, Schedule 2 per applicable service classification Lines 49-60, Total Base Delivery Revenue on Appendix 2, Schedule 2 YR4 revenues per applicable service classification without the surcredit

# 21					
1 Total Rev Requirement	<b>∽</b>	4,043,606			
2					
3					
4		Non-Demand	Demand	Streetlighting	Total
5 Total Revenue Requirement (Allocated by Commodity)	\$	3,938,178	3,938,178 \$ 104,267 \$	\$ 1,161 \$	
6 FY2019 Forecast of Full Service & POR kWh sales (excluding SC12 contracts)		11,180,418,956	11,180,418,956 4,982,309,549 94,469,307 16,257,197,813	94,469,307	16,257,197,813
\$/kWh	ઝ	0.00035	\$ 0.00002	\$ 0.00001	

Credit & Collections - Rate Year 1

1 Source: NiMo-Electric Rev\_Rates (Settle\_11-05)(Links Valued), MFC, Line 3

			g Total	1 \$ 4,043,606	10,856,536,170 4,909,781,344 92,000,361 15,858,317,875	-1
			Streetlighting	\$ 1,161	92,000,361	\$ 0.00001
			Demand	3,938,178 \$ 104,267 \$ 1,161 \$	4,909,781,344	\$ 0.00002
4,043,606			Non-Demand	3,938,178	10,856,536,170	0.00036
\$				S		€
ne # 1 Total Rev Requirement	2	3	4	5 Total Revenue Requirement (Allocated by Commodity)	6 FY2020 Forecast of Full Service & POR kWh sales (excluding SC12 contracts)	\$/kWh

Credit & Collections - Rate Year 2

1 Source: NiMo-Electric Rev\_Rates (Settle\_11-05)(Links Valued), MFC, Line 3

	4				
1 Total Rev Requirement	S	4,043,606			
2					
3					
4		Non-Demand	Demand Streetlighting	Streetlighting	Total
5 Total Revenue Requirement (Allocated by Commodity)	S	3,938,178	$\leftarrow$	104,267 \$ 1,161	\$ 4,043,606
6 FY2021 Forecast of Full Service & POR kWh sales (excluding SC12 contracts)		10,500,114,043		89,531,414	15,404,806,781
\$/kWh	↔	0.00038	\$ 0.00002	\$ 0.00001	

Credit & Collections - Rate Year 3

1 Source: NiMo-Electric Rev\_Rates (Settle\_11-05)(Links Valued), MFC, Line 3

# Uncollectibles - Rate Year 1 Merchant Function Charge

	Ž	Non-Demand		Demand	S	Streetlighting		Total	
1 Revenue for Historic Year Ended 12/31/16 \$ 5,478,542,831 2 Net Writeoffs (Historic Test Year Ended 12/31/ \$ 126,208,387 3 Uncollectible factor 2.30%	& & \( \sigma \)	,478,542,831 126,208,387 <b>2.30%</b>	<del>⊗</del>	\$ 5,478,542,831 \$ 2,509,268,157 \$ 172,349,549 \$ 8,160,160,537 \$ 126,208,387 \$ 4,922,917 \$ 267,298 \$ 131,398,603 \$ 2.30% 0.20%	<b>↔ ↔</b>	172,349,549 267,298 <b>0.16%</b>	<del>⊗</del> ⊗	349,549 \$ 8,160,160,537 267,298 \$ 131,398,603 <b>0.16%</b>	
4 FY2019 Forecast Pure Commodity Revenue	<b>↔</b>	419,326,721	<b>↔</b>	419,326,721 \$ 146,357,612 \$	<b>∽</b>	2,199,248	↔	2,199,248 \$ 567,883,581	
5 Forecast Uncollectible MFC collected \$ 9,659,968 6 FY2019 Forecast Full Service Customer kWh S 8,787,213,221	<b>∞</b>	9,659,968 \$,787,213,221		287,138 <b>\$</b> 3,371,583,200	<b>↔</b>	3,411 64,473,645	\$ 7	3,411 \$ 9,950,517 73,645 12,223,270,066	
7 \$/kWh \$	<del>∽</del>	0.00110 \$	<del>∽</del>		<del>∽</del>	0.00009 \$ 0.00005			

1 Includes LPC and POR Revenue for Historic year ended 12/31/16

2 Net Writeoffs per Paul Leo's analysis of Historic Test Year (12 months ended 12/31/16)

4 FY2019 Forecast Pure Commodity Revenue (excludes SC12 contracts)

3 Line 2 / Line 1

6 FY2019 Forecast Full Customer kWh sales (excludes SC12 contracts)

7 Line 12 / Line 13

5 Line 3 \* Line 4

Uncollectibles - Rate Year 2 Merchant Function Charge

	Non	Non-Demand		Demand	St	Streetlighting		Total	
1 Revenue for Historic Year Ended 12/31/16 \$ 5,478,542,831 2 Net Writeoffs (Historic Test Year Ended 12/31/ \$ 126,208,387 3 Uncollectible factor 2.30%	\$ 5,4 1	78,542,831 26,208,387 <b>2.30%</b>	<b>⇔ ↔</b>	\$ 5,478,542,831 \$ 2,509,268,157 \$ 172,349,549 \$ 8,160,160,537 \$ 126,208,387 \$ 4,922,917 \$ 267,298 \$ 131,398,603 \$ 2.30% 0.20%	<b>↔ ↔</b>	172,349,549 267,298 <b>0.16%</b>	<b>⇔ ↔</b>	349,549 \$ 8,160,160,537 267,298 \$ 131,398,603 <b>0.16%</b>	
4 FY2020 Forecast Pure Commodity Revenue	&	92,578,555	<b>∽</b>	392,578,555 \$ 141,777,115 \$ 2,076,138 \$ 536,431,807	<b>↔</b>	2,076,138	↔	536,431,807	
5 Forecast Uncollectible MFC collected \$ 9,043,775 6 FY2019 Forecast Full Service Customer kWh S 8,463,330,435	\$ 4,8	9,043,775 \$ 8,463,330,435		278,152 \$ 3,299,054,995	<b>↔</b>	3,220 62,004,698	\$	3,220 \$ 9,325,146 04,698 11,824,390,129	
7 <b>\$/kWh</b>	<del>∽</del>	\$/kWh \$ 0.00107 \$	<del>⊗</del>		€	0.00008 \$ 0.00005			

1 Includes LPC and POR Revenue for Historic year ended 12/31/16

2 Net Writeoffs per Paul Leo's analysis of Historic Test Year (12 months ended 12/31/16)

3 Line 2 / Line 1

4 FY2020 Forecast Pure Commodity Revenue (excludes SC12 contracts)

6 FY2020 Forecast Full Customer kWh sales (excludes SC12 contracts) 5 Line 3 \* Line 4

7 Line 12 / Line 13

# Uncollectibles - Rate Year 3 Merchant Function Charge

	Ž	Non-Demand		Demand	S	Streetlighting		Total	
1 Revenue for Historic Year Ended 12/31/16 \$ 5,478,542,831 2 Net Writeoffs (Historic Test Year Ended 12/31/ \$ 126,208,387 3 Uncollectible factor 2.30%	<i>S S</i>	,478,542,831 126,208,387 <b>2.30%</b>	<b>↔ ↔</b>	\$ 5,478,542,831 \$ 2,509,268,157 \$ 172,349,549 \$ 8,160,160,537 \$ 126,208,387 \$ 4,922,917 \$ 267,298 \$ 131,398,603 \$ 2.30% 0.20%	<b>↔ ↔</b>	172,349,549 267,298 <b>0.16%</b>	<b>↔ ↔</b>	349,549 \$ 8,160,160,537 267,298 \$ 131,398,603 <b>0.16%</b>	
4 FY2020 Forecast Pure Commodity Revenue	<b>⇔</b>	372,446,620	<b>∽</b>	372,446,620 \$ 140,009,641 \$ 1,989,426 \$ 514,445,687	<b>↔</b>	1,989,426	<b>↔</b>	514,445,687	
5 Forecast Uncollectible MFC collected \$ 8,579,998 6 FY2019 Forecast Full Service Customer kWh S 8,106,908,308	<b>∞</b> ` <b>∞</b> `	8,579,998 \$ 8,106,908,308		274,684 \$ 3,204,434,975	<b>↔</b>	3,085 59,535,752	\$	3,085 \$ 8,857,768 35,752 11,370,879,035	
7 <b>\$/kWh</b>	<b>∽</b>	0.00106	<b>∽</b>	\$/kWh \$ 0.00106 \$ 0.00009 \$ 0.00005	<del>∽</del>	0.00005			

1 Includes LPC and POR Revenue for Historic year ended 12/31/16

2 Net Writeoffs per Paul Leo's analysis of Historic Test Year (12 months ended 12/31/16)

4 FY2021 Forecast Pure Commodity Revenue (excludes SC12 contracts)

3 Line 2 / Line 1

6 FY2021 Forecast Full Customer kWh sales (excludes SC12 contracts) 5 Line 3 \* Line 4

7 Line 12 / Line 13

# **Supply Procurement- Rate Year 1**Merchant Function Charge

	Competitive Supply Procurement
2 Total Rev Requirement	\$ 3,069,684
2 FY 2019 forecast of Full service kWh sales	12,516,678,679
33	
4 <b>\$/kWh</b>	\$ 0.00025

2 Source: NiMo-Electric Rev\_Rates (Settle\_11-05)(Links Valued), MFC, Line 2

# Supply Procurement- Rate Year 2 Merchant Function Charge

1	Competitive Supply Procurement
2 Total Rev Requirement	\$ 3,069,684
2 FY 2020 forecast of Full service kWh sales	12,109,688,639
3	
4 \$/kWh	\$ 0.00025

2 Source: NiMo-Electric Rev\_Rates (Settle\_11-05)(Links Valued), MFC, Line 2

# Supply Procurement- Rate Year 3 Merchant Function Charge

1	Competitive Supply Procurement
2 Total Rev Requirement	\$ 3,069,684
2 FY 2021 forecast of Full service kWh sales	11,654,335,732
3	
4 <b>%/kWh</b>	\$ 0.00026

2 Source: NiMo-Electric Rev\_Rates (Settle\_11-05)(Links Valued), MFC, Line 2

### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY

Development of Target Rate Year 1 Revenue Per Lighting Service Class

Forecast Rate Year 1 Revenue at Present Rates

						Pct. of Service Class	Pct. of
Service Class	Proposed Usage	Present T&D Rate	T&D Revenue	Facility Revenue	Total Revenue	Revenue from T&D <sup>3</sup>	Total Revenue
SC-1	21,736,230	0.08787	\$1,909,963	\$1,591,691	\$3,501,654	54.5%	6.6%
SC-2	140,352,171	0.08575	\$12,035,199	\$36,287,451	\$48,322,650	24.9%	90.5%
Contract	141,564	0.08575	\$12,139	\$59,020	\$71,159	17.1%	0.1%
-	140,493,735		\$12,047,338	\$36,346,471	\$48,393,808	24.9%	90.6%
<sup>1</sup> SC-3	9,032,444	0.05906	\$533,456	\$7,371	\$540,827	98.6%	1.0%
SC-6	296,136	0.05906	\$17,490	\$4,025	\$21,515	81.3%	0.0%
-	9,328,580		\$550,946	\$11,396	\$562,342	98.0%	1.1%
<sup>2</sup> SC-4	8,970,329	0.01075	\$96,431	\$841,377	\$937,808	10.3%	1.8%
Total	180.528.874		\$14,604,677	\$38,790,935	\$53,395,612	27.4%	100.0%

- (1) The SC-3 facility revenue is from a single SC-3 contract customer.
- (2) The SC-4 basic service charges are included in "facility revenue" above and elsewhere, for convenience of presentation.
- (3) The total current revenue reflects the proper T&D contract rates, as compared to Appendix 2, Schedule 1.

Revenue Requirement Allocation <sup>1</sup> \$53,661,530

Target Revenue Dollar Increase % Increase \$53,661,530 \$265,919 0.5%

**Target Rate Year Revenues** 

			I ai get Kav	e i cai Kevenu	cs					
						Pct. of			Revenue	Revenue
						Service Class	Pct. of	Facility	Neutral	Neutral
Service	Proposed	Target		Facility		Revenue	Total	Price	SC1/SC2/Cnt	SC1/SC2/Cnt
Class	Usage	T&D Rate <sup>2</sup>	T&D Revenue	Revenue	Total Revenue	from T&D	Revenue	Increase %	T&D Revenue	T&D Rate
SC-1	21,736,230	0.08646	\$1,879,369	\$1,639,723	\$3,519,092	53.4%	6.6%	3.0%	\$ 1,919,474	
SC-2	140,352,171	0.08646	\$12,135,201	\$36,428,103	\$48,563,304	25.0%	90.9%	0.4%	\$ 12,095,136	
Contract	141,564	0.08646	\$12,240	\$59,273	\$71,513	17.1%	0.1%	0.4%	\$ 12,200	
·-	140,493,735		\$12,147,441	\$36,487,376	\$48,634,817	25.0%	91.1%		\$ 14,026,810	0.08646
SC-3	9,032,444	0.05935	\$536,113	\$7,408	\$543,521	98.6%	1.0%	0.5%		
SC-6	296,136	0.05935	\$17,577	\$4,045	\$21,622	81.3%	0.0%	0.5%		
_	9,328,580		\$553,690	\$11,453	\$565,143	98.0%	1.1%		•	
SC-4	8,970,329	0.01080	\$96,911	\$845,567	\$942,478	10.3%	1.8%	0.5%		
Total	180,528,874		\$14,677,411	\$38,984,120	\$53,661,530	27.4%	100.0%			
	Dol	lar Increase:	\$72,734	\$193,185	\$265,919					
	Perc	ent Increase:	0.5%	0.5%	0.5%					

- (1) Source: Appendix 2, Schedule 2. Target Delivery Revenue Year 1 plus Tax Change plus Surcredit
- (2) Target T&D rates are not rounded. Proposed T&D rates below are rounded to five decimal places.

Rate Year 1 Revenue at Proposed Rates

			Kate Year I Keve	nue at Propose	ea Kates				
						Pct. of Service Class	Pct. of		
Service	Proposed	Proposed		Facility		Revenue	Total	T&D Rate	Facility Price
Class	Usage	T&D Rate	T&D Revenue	Revenue	Total Revenue	from T&D	Revenue	Increase %	Increase %
SC-1	21,736,230	0.08646	\$1,879,314	\$1,639,878	\$3,519,192	53.4%	6.6%	-1.6%	3.0%
SC-2	140,352,171	0.08646	\$12,134,849	\$36,432,317	\$48,567,166	25.0%	90.5%	0.8%	0.4%
Contract	141,564	0.08646	\$12,240	\$59,222	\$71,462	17.1%	0.1%	0.8%	0.3%
_	140,493,735		\$12,147,088	\$36,491,540	\$48,638,628	25.0%	90.6%	0.8%	0.4%
SC-3	9,032,444	0.05935	\$536,076	\$8,650	\$544,726	98.4%	1.0%	0.5%	17.4%
SC-6	296,136	0.05935	\$17,576	\$4,047	\$21,622	81.3%	0.0%	0.5%	0.5%
_	9,328,580		\$553,651	\$12,697	\$566,348	97.8%	1.1%	0.5%	11.4%
SC-4	8,970,329	0.01080	\$96,880	\$845,422	\$942,301	10.3%	1.8%	0.5%	0.5%
Total	180,528,874		\$14,676,934	\$38,989,536	\$53,666,470	27.3%	100.0%	0.5%	0.5%
	Doll	lar Increase:	\$72,256	\$198,602	\$270,858				
	Perce	ent Increase:	0.5%	0.5%	0.5%				

### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY

Summary of Rate Year 1 Revenue at Present and Proposed Rates

#### Service Classification No. 1 - Private Lighting (Company Owned and Maintained)

_	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Present	21,736,230	0.08787	\$1,909,963	\$1,591,691	\$3,501,654
Target		0.08646	\$1,879,369	\$1,639,723	\$3,519,092
Proposed	21,736,230	0.08646	\$1,879,314	\$1,639,878	\$3,519,192
Present to Proposed (%)	0.0%	-1.6%	-1.6%	3.0%	0.5%
Present to Proposed (\$)	n/a	-0.00141	-\$30,648	\$48,187	\$17,538
Proposed minus Target	n/a	0.00000	-\$55	\$154	\$100
			0.00%	0.01%	0.00%

#### Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Present	140,352,171	0.08575	\$12,035,199	\$36,287,451	\$48,322,650
Target		0.08646	\$12,135,201	\$36,428,103	\$48,563,304
Proposed	140,352,171	0.08646	\$12,134,849	\$36,432,317	\$48,567,166
Present to Proposed (%)	0.0%	0.8%	0.8%	0.4%	0.5%
Present to Proposed (\$)	n/a	0.00071	\$99,650	\$144,866	\$244,516
Proposed minus Target	n/a	0.00000	-\$352	\$4,214	\$3,862
			0.00%	0.01%	0.01%

#### Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Present	9,032,444	0.05906	\$533,456	\$7,371	\$540,827
Target		0.05935	\$536,113	\$7,408	\$543,521
Proposed	9,032,444	0.05935	\$536,076	\$8,650	\$544,726
Present to Proposed (%)	0.0%	0.5%	0.5%	17.4%	0.7%
Present to Proposed (\$)	n/a	0.00029	\$2,619	\$1,279	\$3,899
Proposed minus Target	n/a	0.00000	-\$37	\$1,243	\$1,206
			-0.01%	14.37%	0.22%

#### Service Classification No. 4 - Traffic Control (Customer Owned and Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Present	8,970,329	0.01075	\$96,431	\$841,377	\$937,808
Target		0.01080	\$96,911	\$845,567	\$942,478
Proposed	8,970,329	0.01080	\$96,880	\$845,422	\$942,301
Present to Proposed (%)	0.0%	0.5%	0.5%	0.5%	0.5%
Present to Proposed (\$)	n/a	0.00005	\$449	\$4,045	\$4,494
Proposed minus Target	n/a	0.00000	-\$32	-\$145	-\$177
			-0.03%	-0.02%	-0.02%

### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY

#### Summary of Rate Year 1 Revenue at Present and Proposed Rates

#### Contract Street Lighting (Customer Contributory Provisions)

_	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Present	141,564	0.08575	\$12,139	\$59,020	\$71,159
Target		0.08646	\$12,240	\$59,273	\$71,513
Proposed	141,564	0.08646	\$12,240	\$59,222	\$71,462
Present to Proposed (%)	0.0%	0.8%	0.8%	0.3%	0.4%
Present to Proposed (\$)	n/a	0.00071	\$101	\$203	\$303
Proposed minus Target	n/a	0.00000	\$0	-\$51	-\$51
			0.00%	-0.09%	-0.07%

#### Service Classification No. 6 - Street Lighting (Customer Owned, Company Maintained)

_	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Present	296,136	0.05906	\$17,490	\$4,025	\$21,515
Target		0.05935	\$17,577	\$4,045	\$21,622
Proposed	296,136	0.05935	\$17,576	\$4,047	\$21,622
Present to Proposed (%)	0.0%	0.5%	0.5%	0.5%	0.5%
Present to Proposed (\$)	n/a	0.00029	\$86	\$21	\$107
Proposed minus Target	n/a	0.00000	-\$1	\$1	\$0
			-0.01%	0.03%	0.00%

#### Total P.S.C. No. 214 Electricity

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Present	180,528,874	n/a	\$14,604,677	\$38,790,935	\$53,395,612
Target			\$14,677,411	\$38,984,120	\$53,661,530
Proposed	180,528,874	n/a	\$14,676,934	\$38,989,536	\$53,666,470
Present to Proposed (%)	0.0%		0.5%	0.5%	0.5%
Present to Proposed (\$)	n/a	n/a	\$72,256	\$198,602	\$270,858
Proposed minus Target	n/a	n/a	-\$477	\$5,417	\$4,939
			0.00%	0.01%	0.01%

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NIAGARA MOHAWK POWER CORPORATION db/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY
Rate Year I Revenue at Present and Proposed Rates
Service Classification No. 1 - Private Lighting (Company Owned and Maintained)

3.0%	Proposed	Annual	Total	Revenue (p)		\$1,773	\$159	\$3,037	\$3,559	\$14,412	\$213 984	\$409,224	\$46,836	\$212,512	\$234,600	\$230,027	80	80	\$203	\$2,107	\$611	\$2,008	\$250	\$95.548		\$223,847	\$8,250	80	80	\$7,470	80	6	\$18,8/5	\$41,769	\$256.518	\$113,230		\$319,175			\$3,764	\$8,254 \$0		\$0 \$8,294
	Proposed	Annual	Facility	Revenue (o)		\$1,400	\$116	\$1,979	\$2,781	\$10,584	780 783	\$127,802	\$30,689	\$123,727	\$114,787	\$117.385	80	80	\$93	\$755	\$409	\$1,199	\$120	\$23,781		\$78,630	\$3,037	80	80	\$2,624	80	6	\$5,915	\$8,301	\$74,099	\$29,395		\$319,175			\$3,764	\$8,254		\$8,294
	Proposed	Annual	T&D	Revenue (n)		\$374	\$43	\$1,058	8778	\$3,828	\$125 997	\$281,423	\$16,146	\$88,785	\$119,813	\$290.738	80	80	\$110	\$1,353	\$202	8808	\$125	\$71,767		\$145,217	\$5,213	80	80	\$4,846	80	6	\$12,960	\$33,468	\$182.418	\$83,836		8			\$0	08 OS		80
		Proposed	Annual	Usage (m)		4,320	492	12,240	000'6	44,280	1 457 288	3,254,947	186,750	1,026,886	1,385,760	3.362.690	. '		1,272	15,648	2,340	9,348	1,440	830.060		1.679.586	60,288			56,049		000	149,898	387,096	2.109.860	969,645								1 1
	FY'18			Units		12	-	17	25	8 9	1145 67	1664.08	518.75	2087.17	1924.67	1719.17	0	0	-	∞	6.5	19	791.190	179.667		891.5	32	0	0	29.75	0	i i	57.25	84.666/	1059.17	212.083		3963.92			17	<u> </u>		0 108
	Present	Annual Non	_	Revenue Burns (k)		\$1,739	\$156	\$2,997	\$3,491	\$14,162	\$213.427	\$410,020	\$46,227	\$210,453	\$233,089	\$409.357	0\$	80	\$202	\$2,107	\$603	\$1,986	\$249	\$96.028		\$223,862	\$8,247	80	80	\$7,470	80	6	\$18,915	\$42,071	\$257.332	\$113,732		\$309,661			\$3,654	\$8,011 \$0		\$0 \$8,048
,	Present	Annual		Revenue (j)	i	\$1,359	\$113	\$1,922	\$2,700	\$10,271	\$85.375	\$124,007	\$29,818	\$120,221	\$111,323	\$113.878	80	80	890	\$732	\$397	\$1,165	27.0 903	\$28,047		\$76,277	\$2,949	80	80	\$2,545	80		\$5,743	\$8,057	\$71.939	\$28,529		\$309,661			\$3,654	\$8,011 \$0		\$0 \$8,048
, j	Present	Annual	T&D	Revenue (i)		\$380	\$43	\$1,076	\$791	\$3,891	\$128.052	\$286,012	\$16,410	\$90,232	\$121,767	\$295.480	80	80	\$112	\$1,375	\$206	\$821	\$12/	\$72.937		\$147.585	\$5,298	80	80	\$4,925	80		\$13,172	\$34,014	\$185.393	\$85,203		0\$			80	8 8 8		80
		Present	Annual	Usage (h)		4,320	492	12,240	000'6	44,280	1 457 288	3,254,947	186,750	1,026,886	1,385,760	3.362.690	. '		1,272	15,648	2,340	9,348	1 208 900	830.060	î	1.679.586	60,288			56,049	1		149,898	387,096	2.109.860	969,645		,						1 1
ariff Prices		2016 Avg	Units	Billed (g)		12.0	1.0	17.0	25.0	0.06	1145.7	1664.1	518.8	2087.2	1924.7	1719.2	0.0	0.0	1.0	8.0	6.5	19.0	2.0	179.7		891.5	32.0	0.0	0	29.8	0	c t	75.3	7.48	1059.2	212.1		3963.9			17.0	0.0		0.0
1 Use Group Tariff Prices	Tariff	Wgtd	Combined	Price (f)		\$116.28	\$116.28	\$116.28	\$116.28	\$116.28	\$76.80	\$76.80	\$63.00	\$63.00	\$63.00	\$63.00	\$94.20	\$94.20	\$94.20	\$94.20	\$63.00	\$63.00	\$05.00	\$132.36		\$88.44	\$88.44	\$88.44	\$88.44	\$88.44	\$88.44	•	\$64.44	\$98.04	26.2	\$138.60								
	Percent	Change	Facility	Price (e)		3.0%	3.0%	3.0%	3.0%	3.0%	3.1%	3.1%	2.9%	2.9%	3.1%	3.1%	3.1%	3.1%	3.1%	3.0%	2.9%	2.9%	2.9%	3.0%		3.1%	3.0%	3.1%	3.1%	3.1%	3.1%	ě	3.0%	3.0%	3.0%	3.0%		3.1%			3.0%	3.0%		3.0%
	Proposed	Annual	Facility	Price (d)		\$116.64	\$116.40	\$116.40	\$111.24	\$117.60	\$76.80	\$76.80	\$59.16	\$59.28	\$59.64	\$68.28	\$92.76	\$92.76	\$92.76	\$94.32	\$62.88	\$63.12	\$02.88	\$132.36		\$88.20	\$94.92	\$92.76	\$88.20	\$88.20	\$88.20	c I	\$78.60	\$98.04	869.96	\$138.60		\$80.52			\$221.40	\$485.52		\$296.64
	Present	Annual	Facility	Price (c)		\$113.28	\$113.04	\$113.04	\$108.00	\$114.12	\$74.52	\$74.52	\$57.48	\$57.60	\$57.84	\$66.24	\$90.00	\$90.00	\$90.00	\$91.56	\$61.08	\$61.32	\$01.08	\$128.52		\$85.56	\$92.16	\$90.00	\$85.56	\$85.56	\$85.56	6	\$76.32	\$95.16	\$67.92	\$134.52		\$78.12			\$214.92	\$471.24		\$288.00
	Billed	Annual	kWh	per Lamp (a)		360	492	720	360	492	1 272	1,956	360	492	720	1.956	492	720	1,272	1,956	360	492	07/	4,620.0		1.884	1,884	4,500	1,236	1,884	4,500	•	1,992	4,5/2	1.992	4,572								
0.08787		Present	Facility	Class		Closed	Closed	Closed	Closed	Closed	Standard	Standard	Standard	Standard	Standard	Standard	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Obsolete		Standard	Closed	Closed	Standard	Standard	Standard		Obsolete	Obsolete	Obsolete	Obsolete		Standard			Closed	Closed		Closed
Present T&D rate Proposed T&D rate				Description	LAMP & LUMINAIRE High Pressure Sodium	Coach, 70W	Coach, 100W	Coach, 150W	Edison, 70W	Edison, 100W					Roadway, 150W			Shoebox, 150W	Shoebox, 250W	Shoebox, 400W	Traditional, 70W	Traditional, 100W	L'aditional, 150 W			Metal Halide Floodlight, 400W			LL Flood MH 250		LL Flood MH 1000			Floodight, 1000 W			POLES/STANDARDS	Overhead Service Additional Wood Pole	Underground Service	Standards > 16 ft.	Aluminum - AB - w/davit)	Aluminum - AB - square) Fiberglass - AB - w/pendant arm)	Standard <= 16 ft	Aluminum - AB - square Fiberglass, AB

\$3,519,092

\$1,879,369 **\$1,639,723** \$3,519.0 -\$55 \$154 \$1 Error due to Tariff Rate rounding

TARGET PROPOSED MINUS TARGET

\$83.88 \$88.68 \$110.28 \$0.00 \$119.28

\$0.00 \$83.83 \$88.52 \$110.09 \$0.00 \$119.16

New Facility additions (no billed quantities)
LL Roadway LED-A Standard
LL Roadway LED-B Standard
LL Roadway LED-D Standard
LL Roadway LED-D Standard
LL Roadway LED-E Standard
LL Roadway LED-E Standard
LL Roadway LED-E Standard

3.03%

Case 17-E-0238
Appendix 2
Schedule 8.3a
Page 2 of 2

NIAGARA MOHAWK POWER CORPORATION db/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY
Rate Year I Revenue at Present and Proposed Rates
Service Classification No. 1 - Private Lighting (Company Owned and Maintained)

3.0%	P			63		\$6 428	\$0			\$2,322	80			\$1,080		\$14,606		\$179,235		4,553	\$278	6,639	,192
	Proposed	Annual	Total	Revenue	(b)	€.	٠			59				€9		\$1		\$17		6 <del>4)</del>		€9	3,519,192
	Proposed	Annual	Facility	Revenue	(0)	\$6.428	80			\$2,322	80			\$1,080		\$14,606		\$179,235		\$4,553	\$278	\$9,639	1,639,878
	Proposed	Annual	T&D	Revenue	(n)	9	\$0			80	80			80		80		80		80	80	80	1,879,314
		Proposed	Annual	Usage	(m)						•												21,736,230
	FY18	Avg	Fest	Units	(1)	5 09	0			6	0			7		126		4787.25		1997	772	80.4699	
		Non	Leap Yr	Burns																			
	Present	Annual	Total	Revenue	(k)	\$6.240	80			\$2,254	80	80		\$1,048	9	\$14,183		\$174,064		\$4,314	\$278	\$9,639	3,501,654
	Present	Annual	Facility	Revenue	(j)	\$6.240	80			\$2,254	80			\$1,048		\$14,183		\$174,064		\$4,314	\$278	\$9,639	1,591,691
	Present	Annual	T&D	Revenue	(i)	9	\$0			80	80			80		80		0\$		80	80	80	1,909,963
		Present	Annual	Usage	(h)																	•	21,736,230
ariff Prices		2016 Avg	Units	Billed	(g)	5.09	0.0			0.6	0.0			7.0		126.0		4787.3		1997.0	772.0	6694.1	
1 Use Group Tariff Prices	Tariff	Wgtd	Combined	Price	(t)																		
	Percent	Change	Facility	Price	(e)	3.0%	3.0%			3.0%	3.0%			3.0%		3.0%		3.0%		2.6%	%0.0	%0.0	Annual Total
	Proposed	Annual	Facility	Price	(p)	\$102.84	\$296.64			\$258.00	\$187.32			\$154.32		\$115.92		\$37.44		\$2.28	\$0.36	\$1.44	Ā
	Present	Annual	Facility	Price	(c)	\$99.84	\$288.00			\$250.44	\$181.80			\$149.76		\$112.56		\$36.36		\$2.16	\$0.36	\$1.44	
	Billed	Annual	kWh	per Lamp	(a)																		
0.08787		Present	Facility	Class		Closed	Standard			Closed	Closed			Closed		Obsolete		Standard		Closed	Closed	Closed	
Present T&D rate 0.08787 Proposed T&D rate 0.08646				Description		Fiberolass direct embedded (DE) Closed	SD Alum =<16' AB SQ	FOUNDATIONS	Concrete - Cast-In-Place (CIP)	For AB standard > 16 ft.	For AB standard <= 16 ft.		Concrete - Pre-Cast (PC)	for AB standards	Mechanical - Screw Type	for AB standards Obsolete	CIRCUITRY	Overhead Service - one span	Underground Service	Cable and conduit, per foot	Cable only, per foot	Direct buried cable, per foot	

Case 17-E-0238 Appendix 2 Schedule 8.4a Page 1 of 4

NIAGARA MOHAWK POWER CORPORATION dubia NATIONAL GRID P.S.C. No. 214 ELECTRICITY
Rate Year I Revene at Present and Proposed Rate Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   The part   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Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part	Present T&D rate 0.0 Proposed T&D rate 0.0	0.08575	Leap	Leap Yr=1, NonLeapYr=0		Use	Service Classifi  1 Use Group Tariff Prices Tariff	lassification No	n No. 2 - Street Lighti LED Conversion On	ng (Company O	Service Classification No. 2 - Street Lighting (Company Owned and Maintained)  1 1	ained)		LED	LED Conversion On	%4.	LED Facility % All Other Facility % Proposed	0.1% 0.4%
This part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   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 Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Par			Watts	Annual				.016 Avg	Present	Annual T&D	Annual	Annual	Non Lean Vr	Avg Fest	Proposed		Annual	Annual
State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   Stat	State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   Stat		. ~		Lamp (a)	Price (c)				Billed (g)	Usage (h)	Revenue (i)	Revenue (j)	Revenue (k)	Burns	Units (m)	Usage (n)	Revenue (0)	Revenue (p)	Revenue
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Standard   11   11   11   11   11   11   11	No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.	No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No. 10.   No.		andard	9 <u>~</u>	\$15.98	\$15.96	-0.1%	\$16.08	- 28	- 40 760 703	\$3.405.105	08	\$0	347.50	- 83	- 40.760.203	\$3 524 135	08	\$0 80
Summet         11         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         S	Standard         17.5         Standard         17.5         Standard         17.5         Standard         17.5         Standard         17.5         Standard         17.5         Standard         Standard         17.5         Standard         Standard         17.5         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         S	18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.   18.		mdard	118	\$15.98	\$15.96	-0.1%	\$16.08	38	38,920	\$3,337	\$602	\$3,939	730.00	38	38,920	\$3,365	\$601	\$3,966
State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   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March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   March   Marc		undard	173	87.99	\$8.04	%9.0	\$8.04	32,467	23,421,848	\$2,008,423	\$259,409	\$2,267,833	347.50	32,467	23,421,848	\$2,025,053	\$261,033	\$2,286,086
State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   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State   State   State   State   State   Stat	Standard   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   Color   C	Standard         Total         Standard         Total         Standard         Standard         Total         Standard         Standard         Total         Standard         Standard         Total         Standard         Standard         Total         Standard         Standard         Total         Standard         Standard         Total         Standard         Standard         Total         Standard         Standard         Total         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard         Standard <th< td=""><td></td><td>andard</td><td>5.73</td><td>\$15.98</td><td>\$15.96</td><td>%1.0</td><td>\$16.08</td><td>104</td><td>158,170</td><td>\$13,563</td><td>\$1,668</td><td>\$15,231</td><td>730.00</td><td>104</td><td>158,170</td><td>\$13,675</td><td>\$1,666</td><td>\$15,341</td></th<>		andard	5.73	\$15.98	\$15.96	%1.0	\$16.08	104	158,170	\$13,563	\$1,668	\$15,231	730.00	104	158,170	\$13,675	\$1,666	\$15,341
State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   Column   State   State   State   State   Column   State   State   Column   State   State   Column   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   Stat	Standard         75         55         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         15         <	Simple         71         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill         Sill <th< td=""><td></td><td>mdard</td><td>30 4</td><td>\$8.17</td><td>\$8.16</td><td>%1.9 9 -1%</td><td>\$16.08</td><td>9/7'57</td><td>32,041,541 235 348</td><td>\$2,747,362</td><td>\$206,503</td><td>\$2,954,065</td><td>730.00</td><td>9/7,67</td><td>22,041,541</td><td>\$2,770,312</td><td>\$206,250</td><td>\$2,976,562</td></th<>		mdard	30 4	\$8.17	\$8.16	%1.9 9 -1%	\$16.08	9/7'57	32,041,541 235 348	\$2,747,362	\$206,503	\$2,954,065	730.00	9/7,67	22,041,541	\$2,770,312	\$206,250	\$2,976,562
State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155   State   155	Standard         100         Stick of the standard         400         51         51         400         51         400         51         400         51         400         51         400         51         400         51         400         51         400         51         400         51         400         51         400         51         400         51         400         51         400         51         400         51         400         51         51         400         51         400         51         51         400         51         51         51         400         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51         51	Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment   Charment		mdard	470	\$8.17	\$8.16	-0.1%	\$8.04	6,153	12,059,009	\$1,034,060	\$50,269	\$1,084,329	347.50	6,153	12,059,009	\$1,042,622	\$50,207	\$1,092,829
Name	Chiese   185   S14.5   S14.6   U.S.   S14.6   U.S.   S14.6   U.S.   S12.6   U.S.   S12.6   U.S.   S12.6   U.S.   S12.6   U.S.   S12.6   U.S.   S12.6   U.S.   S12.6   U.S.   S12.6   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U.S.   U	Change   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   State   110,   Sta		ındard	470	\$16.34	\$16.32	-0.1%	\$16.08		'	80	80	80	730.00		-	80	80	80
State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   Stat	State of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the	Stand         St. St. St. St. St. St. St. St. St. St.		losed	1106	\$16.43	\$16.44	0.1%	\$16.44	313	1,442,177	\$123,667	\$5,138	\$128,804	347.50	313	1,442,177	\$124,691	\$5,141	\$129,831
State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   Stat	Name	Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marche   Marcha   Marche   Marche   Marche   Marche   Marche   Marche   M																		
Condete         21         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14         SS-14	State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   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Change   1775   State   State   Change   Change   1775   State   Change   1775   State   State   Change   1775   State   State   Change   Change   1775   State   State   Change   Change   State   State   Change   State   State   Change   State   State   Change   State   State   Change   State   State   State   Change   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   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State   State   State   State   State   Sta	Change   177   State   State   Change   State   Change   State   State   State   Change   State   State   State   State   Change   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   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State   State   State   State   State   State   State   State   State   State   State   S	Chartee   175   State   Chartee   175   State   Chartee   175   State   Chartee   175   State   Chartee   175   State   Chartee   175   State   Chartee   175   State   Chartee   175   State   Chartee   175   State   Chartee   175   State   Chartee   175   State   Chartee   175   State   Chartee   175   State   Chartee   175   State   Chartee   175   State   Chartee   175   State   Chartee   175   State   Chartee   175   State   Chartee   175   State   Chartee   175   State   Chartee   175   State   Chartee   175   State   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   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Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Chartee   Charte		mdard	295 451	\$50.82	\$56.40	0.1%	855.44	2/2	1 070.093	\$29,008	\$15,485	\$120,677	347.50	695	1.070.093	\$29,248	\$15,510	\$44,757
Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part	13.         58.84         58.64         0.04         6.64         52.73         54.08         51.136         54.09         51.23         52.30         51.24         4.08         51.24         4.00         51.24         4.00         51.24         4.00         51.24         4.00         51.24         4.00         51.24         4.00         51.24         4.00         51.24         4.00         51.24         4.00         51.24         4.00         51.24         4.00         51.24         4.00         51.24         4.00         51.24         4.00         51.24         4.00         51.24         4.00         51.24         4.00         51.24         4.00         51.24         4.00         51.24         4.00         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.24         51.22         51.24         51.24	13.         58.81         56.44         0.06         6.08         12.75         54.08         54.08         51.16         51.16         55.20         51.10         58.81         56.44         0.00         52.20         51.10         54.00         51.10         51.10         55.00         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.10         51.1		losed	1078	\$54.36	\$54.48	0.2%	\$55.44	7	7,321	\$628	888	\$716	347.50	2	7,321	\$633	888	\$722
Obsolite S         51         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         SSE41         <	Omegate         111         SSEA         SSEA         Offset         155         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN         STATAN	13.         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.41         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         55.42         5						1	Ĩ		. '						. '			
Checker   21   21   22   22   23   24   24   24   24   24		Changer   11   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81   25 81		solete	130	\$6.84	\$6.84	0.0%	6.84	298	323,973	\$27,781	\$4,088	\$31,868	347.50	598	323,973	\$28,011	\$4,088	\$32,098
Chapter   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.   Fr.	Checker   175   571   572   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573   573	Chance   157   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   151   1		solete	211	\$6.84	\$6.84	%0:0	\$6.84	1,462	1,286,769	\$110,340	\$10,003	\$120,344	347.50	1,462	1,286,769	\$111,254	\$10,003	\$121,257
Obsolute         135         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles         Styles </td <td>Obsolition         151         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510</td> <td>Obsolute         135         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         S</td> <td></td> <td>solete</td> <td>477</td> <td>\$7.21</td> <td>\$7.20</td> <td>-0.1%</td> <td>\$6.84</td> <td>372</td> <td>739,447</td> <td>\$63,408</td> <td>\$2,680</td> <td>\$66,088</td> <td>347.50</td> <td>372</td> <td>739,447</td> <td>\$63,933</td> <td>\$2,677</td> <td>\$66,609</td>	Obsolition         151         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 51         510 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        Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         Styl 25         S		solete	477	\$7.21	\$7.20	-0.1%	\$6.84	372	739,447	\$63,408	\$2,680	\$66,088	347.50	372	739,447	\$63,933	\$2,677	\$66,609
Cholede         150         SST38         SST500         Oble SST38         SST500         Oble SST38         SST500         Oble SST38         SST500         Oble SST38         SST500         Oble SST38         SST500         Oble SST38         SST500         Oble SST38         SST500         Oble SST30         SST500         Oble SST30         SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500         Oble SST500<	Chander         130         SF73.8         SF73.8         SF7.00         4         21,352         S2,046         S5,346         S5,346         S5,346         S5,346         S5,346         S5,346         S5,346         S5,346         S5,346         S5,346         S5,346         S5,347         S5,147         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144         S5,144	Chouse         110         \$17.13         \$17.13         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00 <t< td=""><td></td><td>solete</td><td>1535</td><td>\$13.08</td><td>\$191.28</td><td>0.2%</td><td>\$13.08</td><td>,</td><td>16,292</td><td>\$60,18 \$0</td><td>800</td><td>\$1,04) S0</td><td>347.50</td><td>,</td><td>26C,01</td><td>\$1,000</td><td>80</td><td>\$1,001</td></t<>		solete	1535	\$13.08	\$191.28	0.2%	\$13.08	,	16,292	\$60,18 \$0	800	\$1,04) S0	347.50	,	26C,01	\$1,000	80	\$1,001
Obsolede         200         ST5100         OPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST5200         CPA, ST52	Obsolete         275         SS 760         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T.         SS 700         O.T. <t< td=""><td>Obsolete         212         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         <t< td=""><td></td><td></td><td>130</td><td></td><td>\$87.60</td><td></td><td>887.60</td><td>4 ∝</td><td>23,852</td><td>\$2,045</td><td>\$3,845</td><td>\$5,890</td><td>347.50</td><td>4 «</td><td>23,852</td><td>\$2,062</td><td>\$3,854 \$8 135</td><td>\$5,917 \$72,708</td></t<></td></t<>	Obsolete         212         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa         Systa <t< td=""><td></td><td></td><td>130</td><td></td><td>\$87.60</td><td></td><td>887.60</td><td>4 ∝</td><td>23,852</td><td>\$2,045</td><td>\$3,845</td><td>\$5,890</td><td>347.50</td><td>4 «</td><td>23,852</td><td>\$2,062</td><td>\$3,854 \$8 135</td><td>\$5,917 \$72,708</td></t<>			130		\$87.60		887.60	4 ∝	23,852	\$2,045	\$3,845	\$5,890	347.50	4 «	23,852	\$2,062	\$3,854 \$8 135	\$5,917 \$72,708
Obsolete         202, 8, 88         Syr 108         0.2%         Syr 108         1         842         Syr 2         Syr 0         317.50         17.50         317.50         17.50         317.50         17.50         30.70         Obsolete         20.70         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0         Syr 0.0 <t< td=""><td>Obsolder         200. Sie, 68         SW 70.8         O.70.4         SW 70.8         O.70.4         SW 70.8         SW 70.8         O.70.4         SW 70.8         SW 70.8         O.70.4         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0</td><td>Obsidiety 202</td><td></td><td></td><td>202</td><td></td><td>\$75.00</td><td></td><td>\$75.00</td><td>1</td><td></td><td>08</td><td>0\$</td><td>80</td><td>347.50</td><td></td><td></td><td>08</td><td>08</td><td>08</td></t<>	Obsolder         200. Sie, 68         SW 70.8         O.70.4         SW 70.8         O.70.4         SW 70.8         SW 70.8         O.70.4         SW 70.8         SW 70.8         O.70.4         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0         SW 70.0	Obsidiety 202			202		\$75.00		\$75.00	1		08	0\$	80	347.50			08	08	08
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Obsolute         377         Styl 1         578         Styl 1         577         Styl 2         Styl 1         544         Styl 3         Styl 3         547         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3         Styl 3	Obsolede         371         5899         College         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT         STIT	Obsided         37.7         9899.7         5800.0         3.1         54.1         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13         54.13 <th< td=""><td></td><td>solete</td><td>327</td><td>\$90.00</td><td>\$86.28</td><td>0.2%</td><td>\$97.06</td><td>- ,</td><td>740</td><td>3/5 S0</td><td>) S</td><td>\$169</td><td></td><td></td><td>24.</td><td>s/s 80</td><td>980</td><td>971¢</td></th<>		solete	327	\$90.00	\$86.28	0.2%	\$97.06	- ,	740	3/5 S0	) S	\$169			24.	s/s 80	980	971¢
Summand         S101 70         S101 30         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6         CPA, S 99 9, 6	Summand         S101.70         S101.30         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80         C078, S 100.80	Obsolete 48         599,76         599,66         51,51         89,66         0.245         899,67         -         99         99         39         347,50         -         99         99         99         347,50         -         99         99         99         347,50         -         99         99         99         347,50         -         99         890,473         890,439         -         -         90         890,439         890,439         -         -         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90         90 <td></td> <td>solete</td> <td>327</td> <td>\$99.92</td> <td>\$100.08</td> <td>0.2%</td> <td>\$100.08</td> <td>4</td> <td>5,113</td> <td>\$438</td> <td>\$375</td> <td>\$813</td> <td></td> <td>4</td> <td>5,113</td> <td>\$442</td> <td>\$375</td> <td>\$817</td>		solete	327	\$99.92	\$100.08	0.2%	\$100.08	4	5,113	\$438	\$375	\$813		4	5,113	\$442	\$375	\$817
Sumadurd         S103.70         S103.20         O.256/S   100.80         S09         S094.539         S694.539         6.698         S         S09.03           Sumadurd         S81 67         S81 84         O.256/S   100.80         LORG         S0         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234         S170.234	Sundard         Sti157         Sti0392         Cobal         Sti0302         Cobal         Sti0302         Cobal         Sti0302         Cobal         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302         Sti0302	Sumbard         Stil 57         Stil 100         2.064         SP         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S604,539         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,348         S772,3		solete	690 690	\$99.76	\$99.96	0.2%	\$99.96 \$151.68			S S	S S	0S S0	347.50 347.50			80 S	80 80	88
Sundard         S103.70         S103.70         S103.70         S103.70         S103.70         S103.70         S103.70         S103.70         S103.70         S00.84         S00.84         S00.84         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         S00.85         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S772,236         S772,236         S772,236         S772,236         S772,236         S772,236         S772,236         S772,236         S772,236         S772,236         S772,237         S772,237         S772,237         S772,237         S772,237         S772,237         S772,237         S772,237         S772,237         S772,237         S772,237         S772,237         S772,237         S772,237         S772,237         S772,237         S772,237         S772,237         S772,237         S772,237         S772,237         S772,237         S772,237         S772,237         S772,237 <td>Sundard         Stil 57         Stil 67         Stil 67         Stil 67         Stil 67         Stil 67         Stil 67         Stil 67         Stil 67         Stil 67         Stil 67         Stil 67         Stil 67         Stil 67         Stil 67         Stil 67         Stil 67         Stil 67         Stil 67         Stil 67         Stil 67         Stil 67         Stil 67         Stil 67         Stil 67   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Sumadrid         Still 37         Still 32         0.2% § 100,80         2.0% § 100,80         Stol 45.39         \$6048         -         \$504,539         \$6048         -         \$504,539         \$6048         -         \$504,539         \$6048         -         \$504,539         \$604,539         \$604,539         \$604,539         \$604,539         \$604,539         \$604,539         \$604,539         \$604,539         \$604,539         \$604,539         \$604,539         \$604,539         \$604,539         \$604,539         \$604,539         \$604,539         \$604,539         \$604,539         \$604,539         \$604,639         \$604,539         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         \$604,639         <	Standard         Stitt 30         Stit 30         Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Colored Co	Stundard         S103-70         S103-80         G6/88         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S10         S60-84         S60-84         S60-84         S60-84         S60-84         S60-84         S60-84         S60-84         S60-84         S60-84 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>ļ</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>						ļ												
Sindential         Sist of Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy         Strategy <td>Sinding         Sil 67         Sil 84         Cardia         1008         Sandam         Sil 67         Sil 84         Cardia         1008         Annual         Sil 67         Sil 84         Cardia         1008         Annual         Sil 67         Sil 84         Cardia         Sil 68         Sil 84         Cardia         Sil 68         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64    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<td>6,698</td> <td></td> <td>88</td> <td>\$694,539</td> <td>\$694,539</td> <td></td> <td>6,698</td> <td></td> <td>80</td> <td>\$696,013</td> <td>\$696,013</td>	Sinding         Sil 67         Sil 84         Cardia         1008         Sandam         Sil 67         Sil 84         Cardia         1008         Annual         Sil 67         Sil 84         Cardia         1008         Annual         Sil 67         Sil 84         Cardia         Sil 68         Sil 84         Cardia         Sil 68         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64         Sil 64	Sinding         Sill 1         Sill 2         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3         Sill 3	100 Stz	andard		\$103.70	\$103.92	0.2%	100.80	6,698		88	\$694,539	\$694,539		6,698		80	\$696,013	\$696,013
Simulard         St03.70         St03.92         O.2%, S. 100.80         7.448         St0.238         S772.358         7.748         St0.71         St0.71           Obsolate         St03.18         St04.12         O.2%, S. 123.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12         S. 564.12	Simulated         \$103.90         \$103.90         \$103.40         \$103.40         \$103.80         \$14.80         \$103.23         \$173.238         \$173.238         \$173.48         \$173.96         \$173.96           Obsolete         \$150.44         \$150.42         \$150.44         \$150.42         \$150.44         \$150.44         \$150.44         \$150.44         \$150.44         \$150.44         \$100.44         \$150.44         \$100.44         \$150.44         \$100.44         \$150.44         \$100.44         \$150.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44         \$100.44	Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet         Singlet <t< td=""><td>175 Sta</td><td>mdard</td><td></td><td>\$81.67</td><td>\$81.84</td><td>0.2%</td><td>100.80</td><td>278</td><td></td><td>8 8</td><td>\$22,704</td><td>\$22,704</td><td></td><td>278</td><td></td><td>80</td><td>\$22,752</td><td>\$22,752</td></t<>	175 Sta	mdard		\$81.67	\$81.84	0.2%	100.80	278		8 8	\$22,704	\$22,704		278		80	\$22,752	\$22,752
Obsolete         SSO 3.18         SSO 4.12         0.2%         S 1.34         S 0         S 171,227         S 171,227         S 171,227         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279         S 171,279	Obsolete         SSO 11         SSO 41         C 20%         S 7141         C 20%         S 7141         C 20%         S 7141         C 20%         S 7141         C 20%         S 7141         C 20%         S 7141         C 20%         S 7141         C 20%         S 7141         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20%         S 7144         C 20% <th< td=""><td>Obsolete         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         &lt;</td><td></td><td>andard</td><td></td><td>\$103.70</td><td>\$103.92</td><td>0.2%</td><td>100.80</td><td>7,448</td><td></td><td>08</td><td>\$772,358</td><td>\$772,358</td><td></td><td>7,448</td><td></td><td>80</td><td>\$773,996</td><td>\$773,996</td></th<>	Obsolete         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         \$500,18         <		andard		\$103.70	\$103.92	0.2%	100.80	7,448		08	\$772,358	\$772,358		7,448		80	\$773,996	\$773,996
Summered         \$12646         \$12672         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,229         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227         \$171,227 <th< td=""><td>Summdard         S17.64         S12.67         O.D.         S 1.25.7         1.55.4         S 17.127         1.55.4         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.12</td><td>Summered         S17.64         S12.67         O.D.         S 1.21.21         1.354         S 17.127         1.354         S 17.137         S 17.138         S 17.127         S 17.127         S 17.127         S 17.127         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124</td><td></td><td>solete</td><td></td><td>\$503.18</td><td>\$504.12</td><td>0 5%</td><td>\$504.12</td><td></td><td></td><td>9</td><td>S</td><td>08</td><td></td><td></td><td></td><td>08</td><td>08</td><td>9</td></th<>	Summdard         S17.64         S12.67         O.D.         S 1.25.7         1.55.4         S 17.127         1.55.4         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.127         S 17.12	Summered         S17.64         S12.67         O.D.         S 1.21.21         1.354         S 17.127         1.354         S 17.137         S 17.138         S 17.127         S 17.127         S 17.127         S 17.127         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124         S 17.124		solete		\$503.18	\$504.12	0 5%	\$504.12			9	S	08				08	08	9
Summdard         S117.25         S117.48         O.26, S. 123.12         8.64         9.0         S101.294         S101.294         S 101.294         S 101.394         S 101.394         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.493         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299         S 101.299<	Simedard         S117.25         S117.48         0.2%         S 1.23.12         864         90         9101.294         S101.294         864         9         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         S101.394         <	Sumadrid         S117.25         S117.48         0.2%         S 12.31         864         90         9101.294         801.294         80.01.294         80.01.294         80.01.294         80.01.294         80.01.294         90         S101.249         80.01.294         90         S101.249         90         S101.249         90         S101.249         90         S101.249         90         S101.249         90         S101.249         90         S101.249         90         S101.249         90         S101.249         90         S101.249         90         S101.249         90         S101.249         90         S101.249         90         S101.249         90         S101.249         90         S101.249         90         S11.248         S101.249         90         S11.249         90         S11.249         90         S11.249         90         S11.249         90         S11.249         90         S11.249         90         S11.249         90         S11.249         90         S11.249         90         S11.249         90         S11.249         90         S11.249         90         S11.249         90         S11.240         90         S11.240         90         S11.240         90         S11.240         90         S11.240<		mdard		\$126.46	\$126.72	0.2%	123.12	1,354		80	\$171,227	\$171,227		1,354	,	80	\$171,579	\$171,579
Symather         SS744         0.2%         5.344         1.299         SW6.483         1.299         S. 05.88           Summer         SS744         SS744         0.2%         7.344         1.299         SW6.463         1.299         S. 05.88           Summer         SS744         SS748         0.1%         7.344         2.0         SW6.463         SW6.43         1.299         SW6.83         SW6.83           Symather         SS744         SS748         0.1%         7.344         1.294         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43         SW6.43	Summerical         S7744         0.2%         7.344         1.299         No. 96,463         1.299         -         S0. 6868           Summerical         S7744         0.2%         7.344         1.79         No. 7         No. 7         No. 7         No. 7         No. 7         No. 86,463         No. 64,64         No. 64,64         No. 64,64         No. 64,64         No. 64,64         No. 64,64         No. 64,64         No. 64,64         No. 64,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64         No. 86,64	Simundard         SS7440         0.2%         5.3.44         1.299         80         966-463         1299         -         80         86.688           Simundard         SS744         0.2%         7.344         1.79         1.29         9.0         510.276         1.79         -         9.0         86.688           Simundard         SS744         0.2%         7.344         1.79         1.89         9.0         511.48         2.0         -         50         511.50           Simundard         S7742         S7446         0.2%         7.744         0.2%         7.744         0.2%         7.744         0.2%         7.744         0.2%         7.744         0.2%         7.744         0.2%         7.744         0.2%         7.744         0.2%         7.744         0.2%         7.744         0.2%         7.744         0.2%         7.744         0.2%         7.744         0.2%         7.744         0.2%         7.744         0.2%         7.744         0.2%         7.744         0.2%         7.744         0.2%         7.744         0.2%         7.744         0.2%         7.744         0.2%         7.744         0.2%         7.744         0.2%         7.744         0.2%         7.		ındard		\$117.25	\$117.48	0.2%	123.12	864		80	\$101,294	\$101,294		864	,	80	\$101,493	\$101,493
Simundard         SS741         S744         O.In/S         7.344         179         80         \$10,276         \$10,276         179         -         50         \$10,239           Summdard         SS741         S744         O.In/S         7.344         179         20         90         \$11,48         179         -         50         \$10,239           Summdard         S744         O.In/S         7.744         O.In/S         7.744         182         80         \$11,48         \$11,48         1.897         80         \$11,372           Obsolde         S7927         S7944         O.Zn/S         7.744         192         80         \$11,522         \$1934         \$19,234         \$19,234         \$19,234         \$11,372           Obsolde         S64.66         S64.80         O.Zn/S         7.744         2.4         80         \$11,522         \$19,334         \$10,535         90         \$11,372           Obsolde         S64.66         S64.80         O.Zn/S         7.744         2.4         80         \$15,522         \$19,534         \$10,535         \$10,535           Obsolde         S80.00         S84.80         S24.80         S24.80         \$24         \$2         \$3	Symatherid         SS741         S774         O. Ils. S. 734         7344         179         S0         S10,276         179         -         S0         S10,289           Symatherid         SS744         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344         O. Ils. S. 7344	Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systatic Systati		ındard		\$74.25	\$74.40	0.2%	73.44	1,299		80	\$96,463	\$96,463		1,299		80	859,968	836,658
Simedard         SS741         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74         ST74	Symandred         SS741         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         O.D.         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344         ST344 <th< td=""><td>Simedard         SS741         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744</td><td></td><td>ındard</td><td></td><td>\$57.41</td><td>\$57.48</td><td>0.1%</td><td>73.44</td><td>179</td><td></td><td>80</td><td>\$10,276</td><td>\$10,276</td><td></td><td>179</td><td></td><td>80</td><td>\$10,289</td><td>\$10,289</td></th<>	Simedard         SS741         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744         ST744		ındard		\$57.41	\$57.48	0.1%	73.44	179		80	\$10,276	\$10,276		179		80	\$10,289	\$10,289
VA 5.2         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0         V. 5.4 4.0<	7.7.2.2.         5.7.4.2.         5.7.4.4.0.         2.7.4.2.         5.7.4.4.0.         1.897         5.0         5.14.1.3.7           Obsolder         57.9.2.4.         0.2.8.6.         7.7.4.4.         1.897         1.897         5.0         5.14.1.3.7           Obsolder         57.9.2.4.         57.9.4.         0.2.8.6.         7.7.4.4.         1.897         5.0         5.15.2.         5.15.2.         1.897         5.0         5.15.2.           Obsolder         57.9.2.4.         57.9.4.         0.2.8.6.         57.7.4.         2.4.         2.4.         5.0         5.15.5.           Obsolder         58.0.0.         58.0.10.         0.2.8.6.         7.7.4.         2.4.         5.0         5.15.5.         2.4.         5.0         5.15.5.           Obsolder         58.0.0.         58.0.1.         5.0.8.         5.0.4.         5.0.4.         5.0.4.         5.0.5.         5.0.5.         5.0.5.         5.0.5.         5.0.5.         5.0.5.         5.0.5.         5.0.5.         5.0.5.         5.0.5.         5.0.5.         5.0.5.         5.0.5.         5.0.5.         5.0.5.         5.0.5.         5.0.5.         5.0.5.         5.0.5.         5.0.5.         5.0.5.         5.0.5.         5.0.5.         5.0.5. <th< td=""><td>7.7.2.2.         7.7.4.2.         7.7.4.4.         1.897         8.0         514,23.2.         1.897         9.0         514,13.7.           Obsolder         57.9.2.4.         7.7.4.4.         0.2.6.8.         7.7.4.4.         1.897         9.0         514,23.2.         1.897         9.0         514,13.7.           Obsolder         57.9.2.4.         5.7.4.4.         0.2.6.8.         7.7.6.4.         1.6.2.         80         51,29.3.         51,29.3.         1.897         9.0         51,29.2.           Obsolder         564.6.         564.80         0.2.6.8.         7.7.6.4.         2.4         2.4         2.0         51,29.2.           Obsolder         580.00         580.16         0.2.6.8.         7.7.6.4.         2.4         2.4         2.0         51,29.2.           Obsolder         580.00         580.16         0.2.6.8.         7.7.6.4.         2.4         80         51,52.2.         51,52.2.         2.4         9.0         51,53.2.           Obsolder         580.00         580.16         0.2.6.8.         1.90.68         2.4         8.0         8.1,53.2.         8.1,53.2.         8.1,53.2.         8.1,53.2.         8.1,53.2.         8.1,53.2.         8.1,53.2.         8.1,53.2.         8.1,53.2.</td><td></td><td>ındard</td><td></td><td>\$57.41</td><td>\$57.48</td><td>0.1%</td><td>£ :</td><td>20</td><td></td><td>S 3</td><td>\$1,148</td><td>\$1,148</td><td></td><td>20</td><td></td><td>80</td><td>\$1,150</td><td>\$1,150</td></th<>	7.7.2.2.         7.7.4.2.         7.7.4.4.         1.897         8.0         514,23.2.         1.897         9.0         514,13.7.           Obsolder         57.9.2.4.         7.7.4.4.         0.2.6.8.         7.7.4.4.         1.897         9.0         514,23.2.         1.897         9.0         514,13.7.           Obsolder         57.9.2.4.         5.7.4.4.         0.2.6.8.         7.7.6.4.         1.6.2.         80         51,29.3.         51,29.3.         1.897         9.0         51,29.2.           Obsolder         564.6.         564.80         0.2.6.8.         7.7.6.4.         2.4         2.4         2.0         51,29.2.           Obsolder         580.00         580.16         0.2.6.8.         7.7.6.4.         2.4         2.4         2.0         51,29.2.           Obsolder         580.00         580.16         0.2.6.8.         7.7.6.4.         2.4         80         51,52.2.         51,52.2.         2.4         9.0         51,53.2.           Obsolder         580.00         580.16         0.2.6.8.         1.90.68         2.4         8.0         8.1,53.2.         8.1,53.2.         8.1,53.2.         8.1,53.2.         8.1,53.2.         8.1,53.2.         8.1,53.2.         8.1,53.2.         8.1,53.2.		ındard		\$57.41	\$57.48	0.1%	£ :	20		S 3	\$1,148	\$1,148		20		80	\$1,150	\$1,150
Volumente         579 24         579 24         779 44         0.2% 8         775 24         152 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20         155 20  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15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220</td><td></td><td>andard</td><td></td><td>\$74.25</td><td>\$74.40</td><td>0.2%</td><td>73.44</td><td>1,897</td><td></td><td>S 3</td><td>\$140,852</td><td>\$140,852</td><td></td><td>1,897</td><td></td><td>80</td><td>\$141,137</td><td>\$141,137</td></th<>	Obsolete         579 27         579 44         0.2%         5 77 54         192         5 80         515,220           Obsolete         579 27         579 44         0.2%         5 77 64         192         5 80         515,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220         5 15,220		andard		\$74.25	\$74.40	0.2%	73.44	1,897		S 3	\$140,852	\$140,852		1,897		80	\$141,137	\$141,137
Syly 21         Syly 22         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 24         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23         Syly 23 <t< td=""><td>Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         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S</td><td>\$15,220</td><td>\$15,220</td><td></td><td>192</td><td></td><td>80</td><td>\$15,252</td><td>\$15,252</td></th<></td></th<></td></t<>	Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         Systy         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Value         Value         Value         Value         Value         Value         Value         Value <th< td=""><td></td><td>solete</td><td></td><td>\$79.27</td><td>\$79.44</td><td>0.2%</td><td>77.64</td><td>192</td><td></td><td>98 S</td><td>\$15,220</td><td>\$15,220</td><td></td><td>192</td><td></td><td>80</td><td>\$15,252</td><td>\$15,252</td></th<>		solete		\$79.27	\$79.44	0.2%	77.64	192		98 S	\$15,220	\$15,220		192		80	\$15,252	\$15,252
System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System<	System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System         System<	Obsolete         SAGA (N. 1974)         SAGA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA (N. 1974)         A MARIA		solete		\$19.27	\$79.44	0.2%	\$ . E	163		28.8	\$12,934	\$12,934		163		08	\$12,962	\$12,962
Obsolde         \$90,09         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00         \$77,00	Obsolute         SSO 00         SSO 10         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 00         SSO 0	Obsolete         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,00         \$50,0		Solete		\$64.66	\$64.80	0.700	1.5	† c		Q6 9	51,552	51,552		t 7		30	555 13	\$1,555
Obsolide         \$79,59         \$79,98         \$79,89         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,99         \$79,9	Obsolide         \$79,59         \$79,98         \$79,89         \$79,89         \$79,89         \$79,89         \$79,89         \$79,89         \$79,89         \$79,89         \$79,89         \$79,89         \$79,89         \$79,89         \$79,89         \$79,89         \$79,89         \$79,89         \$79,89         \$79,89         \$79,89         \$79,89         \$79,89         \$79,89         \$79,89         \$79,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,89         \$70,8	Obsolute         \$79.99         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.90         \$79.9		solete		880.00	880.16	\$ %00	1 2	١,		8 9	9	S				8 9	OS.	08
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Summer S24607 \$23466 0.2% \$ 2466	Summer         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         \$2.46.07         <	Summering         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL46 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF         SL40 OF		mdard		\$246.07	\$246.60	\$ %00		1056		8 8	6250 050	5259 950		1056		8 9	\$260,020	\$26,026
Standard S169.49 S16980 0.2% S 168.96 91 S0 S15,424 519.924 S199.88 0.2% S 168.96 13 S0 S2.591 S2.591 13 S0 \$2.596	Standard         \$169.49         \$169.80         \$1.56.96         91         \$0         \$15,424         \$15,424         \$15,424         \$15,424         \$15,424         \$15,422         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22         \$1.56.22	Summdred         \$169.49         \$169.80         \$0.28         \$168.96         91         \$0         \$15,424         \$15,424         \$15,424         \$15,424         \$15,424         \$15,424         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422         \$15,422 </td <td></td> <td>ındard</td> <td></td> <td>\$246.07</td> <td>\$246.60</td> <td>0.2%</td> <td></td> <td>850</td> <td></td> <td>0S</td> <td>\$209.036</td> <td>\$209.036</td> <td></td> <td>850</td> <td>,</td> <td>08</td> <td>\$209,487</td> <td>\$209.487</td>		ındard		\$246.07	\$246.60	0.2%		850		0S	\$209.036	\$209.036		850	,	08	\$209,487	\$209.487
Samuel S199.34 S199.68 0.2% S 168.96 13 S0 \$2.591 13 S0 \$2.596	Samuelud S199.34 S196.66 D.2% S 168.96 13 S0 S2.591 S2.99 13 S0 S2.591 S199.04 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94 S199.94	Summaried         Styles         13         50         \$2.591         13         .         \$0         \$2.596           Standard         \$166.94         \$166.92         \$2.06         \$1.88.96         \$240         \$2.591         \$2.591         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.596         \$2.		mdard		\$240.0)	\$169.80	\$ %00		9 6		98 98	\$15,424	\$15.424		6		8 9	\$15.457	\$15,457
	Standard \$16664 \$16692 0.2% \$ 168.96 240 \$0 \$39.994 \$39.994 \$39.994 240 - \$0 \$40,061	Standard         \$166.64         \$166.64         \$168.96         240         \$0         \$239.994         \$399.94         \$240         .         \$0         \$40,061           Standard         \$85.26         \$85.54         \$2.86         \$125         .         \$10,688         \$10,689         \$10,689         \$10,680         \$10,680         \$10,680		ındard		\$199.34	\$199.68	0.2%	168.96	13		80	\$2,591	\$2,591		13		80	\$2,596	\$2,596

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NIAGARA MOHAWK POWER CORPORATION db/a NATIONAL GRID P.C. No. 214 ELECTRICITY
REAF Year I Revenue at Present and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

0.1%	Proposed	Annual	Revenue (q)	2107 177	\$54,749	\$99,723	\$/3,0/5	\$16,441	\$30,626	\$226	08	\$15,458	\$787	80	80	\$22,641 \$12,267	\$1,708,271	\$3,302,816	\$59,127	\$1,514,918	\$351,807	\$37,784	08	80	\$257	\$21,114	\$10,915	\$2,421	\$274,964	\$12,364	\$90,821	\$70,052	80	\$3,894	08	\$23,003	\$46,718	\$105,235 \$10,135			\$195.280	\$37,601	\$8,219	90		\$1,340,378	\$16,181	\$52,431	\$2,595	62 300
LED Facility % All Other Facility %	Proposed	Annual	Revenue (p)	2107 177	\$54,749	\$99,723	\$/3,0/5	\$16,441	\$30,626	\$226	80	\$15,458	\$787	0S	80	\$22,641 \$12,267	\$1,708,271	\$5,502,816	\$59,127	\$1,514,918	\$351,807	\$37,784	80	80	\$257	\$21,114	\$10,915	\$2,421	\$274,964	\$6,011	\$90,821	\$70,052	80	\$3,894	0S	\$22,003	\$46,718	\$105,235			\$195.280	\$37,601	\$8,219	90		\$1,340,378	\$16,181	\$52,431	\$2,595	
33.7%	Proposed	Annual	Revenue (o)		80	80	0s 9	80	80	80	80	08	08	80	80	\$0 80	80	90 8	80	80	80	S S	80	80	80	S S	80	80	08	30 S	80	0S 9	80	80	80	08	80	8 80 80			05	80	08 9	30		80	0S OS	80	80	
LED Conversion On		Proposed	Usage (n)		,				,		,			,	,					,	,													,			,					,								
LED	FY18	Avg	Units (m)	1 254	808	756	138	281	498	4	, ;	113	9	,	,	179 79	31,776	27.018	1,076	24,001	5,574	299	, ,		4 5	425	126	16	5,508	152	1,819	810	-	64	. 101	182	392	882 102			1 097	206	30	66/		5,294	54 546	303	œ	
		Non	Burns																																															
ained)	Present	Annual	Revenue (k)	\$106.957	\$54,611	\$99,519	\$72,948	\$15,00	\$30,591	\$225	OS !	\$15,427	\$785	S	0S	\$22,596 \$12,243	\$1,704,775	\$3,493,049 \$1,480,846	858,966	\$1,512,278	\$351,194	\$37,703	SO SO	80	\$256	\$21,050	\$10,891	\$2,417	\$274,578	\$12,346	\$90,694	\$69,923	S S	\$3,883	80	\$23,011	\$46,644	\$105,067			\$194 940	\$37,524	\$8,202	06		\$1,337,995	\$16,147	\$52,325	\$2,590	
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)  1 1 1ED Conversion On	Present	Annual	Revenue (j)	6106952	\$54,611	899,519	\$/2,948	\$15,90)	\$30,591	\$225	08	\$15,427	\$785	OS	80	\$22,596 \$12,243	\$1,704,775	\$3,493,649	\$58,966	\$1,512,278	\$351,194	\$37,703	08	80	\$256	\$21,050	\$10,891	\$2,417	\$274,578	\$6,003	\$90,694	\$69,923	80	\$3,883	08	\$18.021	\$46,644	\$105,067			\$194.940	\$37,524	\$8,202	90		\$1,337,995	\$16,147	\$52,325	\$2,590	
ting (Company C	Present	Annual	Revenue (i)	9	80	80	0s 95	80	80	80	80	000	08 80	SO S	80	80 80	80	08 08	80	80	08	S S	80	80	80	8 8	8 8	80	88	8 8	80	000	80	80	08	08 08	80	8 80 80			S	80	os 5	90		So	0S 0S	80	80	
on No. 2 - Street Ligh LED Conversion On		Present	Usage (h)																																															
Jassification No		2016 Avg	Billed (g)	1254	808	756	138	281	498	4	. :	113	9	,	, !	179 67	31,776	27.018	1,076	24,001	5,574	299	,	,	4 5	425 237	126	16	5,508	152	1,819	810	-	2	. 5	182	392	882 102			1 097	206	30	66/		5,294	545	303	∞	
Service Classifi  1 Use Group Tariff Prices	Tariff	Wgtd		9	S	S	5 134.64	9 69	· 60	S	s	8 136.80	n 69	S	S	\$ 126.72 \$ 155.28	\$ 55.80	2 60	8	S	s s	n 4	\$ 110.76	S	s c	09.99	, s	S	\$ 49.32	9 69	S	85.08	· ~	S	\$ 85.08	9 69	S	\$ 115.68 \$ 115.68				\$ 178.68				\$ 256.20	S			
	Percent	Change	Price (e)													3 0.2%												2 0.2%										3 0.2%				5 0.2% \$					0.2%			
ıLeapYr =6	Proposed	Annual	Price (d)	\$85.44	\$67.80	\$131.88	\$137.64	\$58.56	\$61.56	\$61.56	\$129.12	\$136.80	\$136.80	\$103.20	\$79.20	\$126.72 \$155.28	\$53.76	\$55.7	\$54.90	\$63.12	\$63.12	\$126.48	\$104.52	\$60.60	\$64.20	\$49.68	\$86.40	\$151.32	\$49.92	\$39.48	\$49.92	\$86.52	\$82.56	\$61.08	\$84.84	\$134.04	\$119.28	\$119.28			\$178.08	\$182.16	\$270.96	\$0.0		\$253.20	\$300.12	\$173.04	\$324.36	
Leap Yr=1, NonLeapYr=0	Present	Annual	Price (c)	96 583	\$67.63	\$131.61	\$137.40	\$58.42	\$61.49	\$61.49	\$128.89	\$136.52	\$136.52	\$102.97	878.99	\$126.47 \$154.97	\$53.65	\$55.65	\$54.81	\$63.01	\$63.01	\$126.21	\$104.35	\$60.52	\$64.10	\$49.53	\$86.21	\$151.05	\$49.85	\$39.43	\$49.85	\$86.36	\$82.36	\$60.91	\$84.62	\$155.73	\$119.09	\$119.09			77 77 18	\$181.79	\$270.38	30.00		\$252.75	\$299.48	\$172.69	\$323.69	
I	Billed	Watts	Lamp (a)																																															
0.08575		Present	Class	Standard	Standard	Standard	Standard	Standard	Standard	Obsolete	Closed	Closed	Closed	Closed	Closed	Closed	Standard	Standard	Standard	Standard	Standard	Closed	Standard	Standard	Standard	Standard	Standard	Closed	Standard	Standard	Standard	Standard	Standard	Closed	Standard	Standard	Standard	Standard Standard			Closed	Closed	Standard			Standard	Standard	Standard	Closed	
Present T&D rate Proposed T&D rate	0.83% increase		Description	Edison 100	Edison 150	Edgewater 100	Edgewater 150 Edgewater 175	Floodlight 250	Floodlight 400	Floodlight 1000	Franklin Square, 250	Franklin Square, 100	Franklin Square, 175	Globe, 150	Globe, 175	Little Falls - Post Top, 70 Little Falls - Teardrop, 70	Roadway 70	Roadway 150	Roadway 175	Roadway 250	Roadway 400	Roadway, 1000 Sorback 250	Setback 400	Shoebox 70	Shoebox 100	Shoebox 150 Shoebox 250	Shoebox 400	Shoebox, 1000	Traditional 100	Traditional 175	Traditional 70	Underpass 100	Underpass 175	Underpass 250	Underpass 70	washington (Athrioty Aquate) 100 Williamsville 100	Williamsville 150	Williamsville 175 Williamsville 70	DOLEGICHANDADEC	FOLES/STANDARDS	Standard/Pole > 16 ft - OH Service	aluminum, anchor base	Concrete, DE - Metropolitan	w oodroje	Standard > 16 ft for UG or URD Service	Aluminum, anchor base	Aluminum, anchor base, heavy duty Aluminum, anchor base, square	Fiberglass, anchor base	steel, anchor base (50 ft round)	

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NIAGARA MOHAWK POWER CORPORATION daba NATIONAL GRID P.S.C. No. 214 ELECTRICITY
REAF Ver It became a Present and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

The color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of 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Annual   Annual   Annual   Annual   Annual   Annual   Annual   Annual   Annual   Annual	The color of this Annual Regions   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling   Feeling  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11166    2518   519   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   5180,713   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5180,713   5180,713   5180,713   5180,713	11566   985   985   986   785   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   987   98	11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    11106    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1188	1168   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218   218  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  218   218   218   218   218   218   218   218	1186   1779   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784   1784	1156    1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,248   1,24
11100    9,146   59   5844024   9,146     -   -   -   -   -   -   -   -	111.06   47.09   584.6424   584.6424   9.146   9.0   584.6139   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.11.04   1.	11.06   \$1.06   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.05   \$1.0	1146   2740   284,042   284,042   2740
1749   1749   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   184   18	1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,000   1,00	1.96	1.56   2.17   2.17   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15   2.15
77         50         \$10,786         \$10,786         77         80         \$10,7243         \$10,781           196         80         \$10,7088         \$10,7088         \$10,7088         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043         \$10,7043	77         50         \$10,786         \$10,786         77         80         \$10,731         \$10,781         77         80         \$10,731         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10,781         \$10	106   20   217,048   217,088   107,089   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107,098   107	77         50         \$10,786         \$10,786         77         8         \$10,811           196         2,443         \$12,698         \$12,698         \$12,698         \$12,698         \$12,698         \$12,634         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,524         \$12,52
820         \$126,088         \$126,088         \$126,088         \$126,088         \$126,088         \$126,088         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431         \$127,431	196         S126,918         \$126,918         \$126,918         \$126,918         \$126,918         \$127,923         \$26,94         \$6         \$127,243         \$6         \$127,243         \$6         \$127,243         \$6         \$127,243         \$6         \$127,243         \$6         \$127,243         \$6         \$127,243         \$6         \$127,243         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6         \$6	196   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197	196   S12,049   S12,098   S12,098   S12,098   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049   S12,049
8:00         80         \$274,937         \$274,937         \$870,293         \$80         \$787,5478         \$9         \$878,5478         \$9         \$878,441         \$9         \$275,478         \$9         \$878,441         \$9         \$287,414         \$9         \$878,441         \$9         \$888,441         \$9         \$888,441         \$9         \$888,441         \$9         \$888,441         \$9         \$888,441         \$9         \$888,441         \$9         \$888,441         \$9         \$888,441         \$9         \$888,441         \$9         \$888,441         \$9         \$888,441         \$9         \$888,442         \$9         \$888,443         \$9         \$888,443         \$9         \$888,443         \$9         \$888,443         \$9         \$888,443         \$9         \$888,443         \$9         \$888,443         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9 </td <td>8.20         SST 4937         SST 4937         SST 4937         SST 4937         SST 4937         SST 4937         SST 4937         SST 4937         SST 4937         SST 4937         SST 4937         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69</td> <td>8.30         9.0         \$274,437         \$574,937         \$820         8.0         \$535,41         \$5         \$535,41         \$5         \$535,41         \$5         \$5         \$535,41         \$5         \$5         \$535,41         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5</td> <td>830         50         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,9</td>	8.20         SST 4937         SST 4937         SST 4937         SST 4937         SST 4937         SST 4937         SST 4937         SST 4937         SST 4937         SST 4937         SST 4937         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69         SST 69	8.30         9.0         \$274,437         \$574,937         \$820         8.0         \$535,41         \$5         \$535,41         \$5         \$535,41         \$5         \$5         \$535,41         \$5         \$5         \$535,41         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5         \$5	830         50         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,937         5274,9
2424         90         \$579,293         \$579,293         \$2,424         9         \$539,414         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1         \$1	2424         80         \$579,294         \$579,294         \$2,24         \$6         \$530,141         \$7           109         50         \$21,506         \$109         -         \$9         \$55,144         \$9         \$55,144         \$9         \$55,144         \$9         \$55,144         \$9         \$55,144         \$9         \$55,144         \$9         \$55,144         \$9         \$55,144         \$9         \$55,144         \$9         \$55,144         \$9         \$55,144         \$9         \$55,144         \$9         \$55,144         \$9         \$55,144         \$9         \$55,144         \$9         \$55,144         \$9         \$55,144         \$9         \$55,144         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9         \$9 </td <td>2,434         90         \$1579293         2,434         9         \$1589293         2,434         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         \$158141         9         \$158141         \$158141         9         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$1581411         \$1581411         \$1581411         \$1581411</td> <td>2,034         90         \$579,939         \$1,034         9         \$589,444         9         \$589,444         9         \$589,444         9         \$589,444         9         \$589,444         9         \$589,444         9         \$589,444         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         \$589,134         9         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134</td>	2,434         90         \$1579293         2,434         9         \$1589293         2,434         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         9         \$158141         \$158141         9         \$158141         \$158141         9         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$158141         \$1581411         \$1581411         \$1581411         \$1581411	2,034         90         \$579,939         \$1,034         9         \$589,444         9         \$589,444         9         \$589,444         9         \$589,444         9         \$589,444         9         \$589,444         9         \$589,444         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         9         \$589,134         \$589,134         9         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134         \$589,134
109   \$10   \$25,006   \$15,006   \$15,006   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,00   \$10,	109   80   825,006   109     80   825,114   140   -   80   821,023   140   -   80   821,023   140   -   80   821,023   140   -   80   821,023   140   -   80   821,023   140   -   80   821,023   140   -   80   821,023   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,024   140   -   80   821,02	199   \$81,571   \$15,716   \$25,906   \$199	100   50   515.04   515.04   515.04   100
160   \$10   \$11,571   \$11,571   \$160     \$90   \$81,633   \$10,642   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18,643   \$18	160   80   81,571   81,571   160   - 80   81,633   81,643   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,644   81,6	160   S1   S1   S1   S1   S1   S1   S1   S	164   81,0   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   81,5   8
5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         6         5         5         6         5         5         6         5         5         6         5         5         6         5         5         6         5         5         6         5         5         6         5         5         6         5         5         5         5         5         5         5         5         5         5         5	- 5 50 518,678  36	5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5	5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0         5.0
36         80         \$1,555         \$1,555         36         S 1,560         \$1,560            80         \$10,393         \$10,393         \$5\$         -         \$0         \$10,415            80         \$10,393         \$10,393         \$5\$         -         \$0         \$10,415            80         \$0         \$0         \$0         -         -         \$0         \$0         \$0            \$0         \$19,126         \$20         -         -         \$0         \$0         \$0            \$0         \$79,38         \$7,958         77,28         72         -         \$0         \$0         \$0            \$0         \$79,38         \$7,958         77,28         72         -         \$0         \$1,975         \$0         \$1,975         \$0         \$1,975         \$0         \$1,975         \$0         \$1,975         \$0         \$1,975         \$0         \$1,975         \$0         \$1,975         \$0         \$1,975         \$0         \$1,975         \$0         \$1,975         \$0         \$1,975         \$0         \$1,975         \$0         \$1,975         \$1,975         \$1,975	36         80         \$1555         \$1555         36         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560         \$1560 <td>  36   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555   S1,555  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55 S10,415 S10,393 S10,393 S5 - S S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 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S10,415 S10,415 S10,415 S10,415 S10,415 S10,415 S10,	55         50         \$10,393         \$10,393         \$5         .         \$0         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,415         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416         \$10,416 <td< td=""><td>55         50         \$10,393         \$10,393         \$510,393         \$510,415         \$5         \$500,415          </td><td>55         50         \$10,395         \$10,395         \$510,395         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415&lt;</td></td<>	55         50         \$10,393         \$10,393         \$510,393         \$510,415         \$5         \$500,415	55         50         \$10,395         \$10,395         \$510,395         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         \$510,415         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-         50         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80 </td <td>-         50         80         50         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80<!--</td--><td>-         50         80         50         -         -         90         80           -         50         80         50         -         -         90         80           -         50         80         839,126         89,126         -         -         90         890,222           -         50         81,958         87,938         -         -         80         833,968           -         80         833,894         833,894         322         -         80         833,968           -         80         80         83,894         832,894         322         -         80         833,968           -         80         80         816,723         80         80         833,968         80         833,968         80         833,968         80         833,968         80         833,968         80         833,968         80         833,968         80         833,968         80         833,968         80         833,968         80         833,968         833,968         833,968         833,968         833,968         833,968         833,968         833,968         833,968         833,968         833,968         833,968</td><td>-         50         80         50         -         -         90         80           -         50         80         539,126         589,126         -         -         90         839,222           72         50         57,938         57,938         772         -         50         833,968           322         50         533,894         533,894         332,2         -         50         833,968           -         50         50         533,894         533,894         322         -         50         833,968           -         50         50         50         50         50         533,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,5763         166         -         50         831,40,938         51         834,40,938         51         834,40,938         51         834,40,938         51         834,40,938         51         834,40,938         51         8</td></td>	-         50         80         50         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80         80 </td <td>-         50         80         50         -         -         90         80           -         50         80         50         -         -         90         80           -         50         80         839,126         89,126         -         -         90         890,222           -         50         81,958         87,938         -         -         80         833,968           -         80         833,894         833,894         322         -         80         833,968           -         80         80         83,894         832,894         322         -         80         833,968           -         80         80         816,723         80         80         833,968         80         833,968         80         833,968         80         833,968         80         833,968         80         833,968         80         833,968         80         833,968         80         833,968         80         833,968         80         833,968         833,968         833,968         833,968         833,968         833,968         833,968         833,968         833,968         833,968         833,968         833,968</td> <td>-         50         80         50         -         -         90         80           -         50         80         539,126         589,126         -         -         90         839,222           72         50         57,938         57,938         772         -         50         833,968           322         50         533,894         533,894         332,2         -         50         833,968           -         50         50         533,894         533,894         322         -         50         833,968           -         50         50         50         50         50         533,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,5763         166         -         50         831,40,938         51         834,40,938         51         834,40,938         51         834,40,938         51         834,40,938         51         834,40,938         51         8</td>	-         50         80         50         -         -         90         80           -         50         80         50         -         -         90         80           -         50         80         839,126         89,126         -         -         90         890,222           -         50         81,958         87,938         -         -         80         833,968           -         80         833,894         833,894         322         -         80         833,968           -         80         80         83,894         832,894         322         -         80         833,968           -         80         80         816,723         80         80         833,968         80         833,968         80         833,968         80         833,968         80         833,968         80         833,968         80         833,968         80         833,968         80         833,968         80         833,968         80         833,968         833,968         833,968         833,968         833,968         833,968         833,968         833,968         833,968         833,968         833,968         833,968	-         50         80         50         -         -         90         80           -         50         80         539,126         589,126         -         -         90         839,222           72         50         57,938         57,938         772         -         50         833,968           322         50         533,894         533,894         332,2         -         50         833,968           -         50         50         533,894         533,894         322         -         50         833,968           -         50         50         50         50         50         533,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,968         50         833,5763         166         -         50         831,40,938         51         834,40,938         51         834,40,938         51         834,40,938         51         834,40,938         51         834,40,938         51         8
32         50         \$59,126         \$-         \$-         \$0         \$59,22           72         \$0         \$53,894         \$53,894         \$53,894         \$53,894         \$57,975         \$0         \$59,222           322         \$0         \$53,894         \$53,894         \$53,894         \$57,975         \$0         \$57,975           -         \$0         \$0         \$53,894         \$53,894         \$32,270,722         \$0         \$57,975           -         \$0         \$0         \$0         \$0         \$0         \$0         \$0           -         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0	32         50         539,126         3.0         50,925           72         50         \$539,126         3.2         50         \$59,222           72         50         \$53,894         \$53,894         \$73,894         \$73,938         \$7,975           73         50         \$53,894         \$53,894         \$73,797         50         \$53,998           73         50         \$53,894         \$53,894         \$73,894         \$73,998         \$79,797           74         50         \$50         \$53,998         \$50         \$50         \$50         \$50           75         50         \$50         \$50,773         \$50         \$50         \$50         \$50           75         50         \$50         \$50,777         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50         \$50 <t< td=""><td></td><td>322         50         539,126         3.5         50         509,222           72         50         539,126         3.2         -         50         57,975           322         50         53,384         53,384         322         -         50         533,968           -         50         50         53,384         33,22         -         50         533,968           -         50         50         53,884         322         -         50         533,968           -         50         50         50         50         50         533,968         50         533,968           -         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50</td></t<>		322         50         539,126         3.5         50         509,222           72         50         539,126         3.2         -         50         57,975           322         50         53,384         53,384         322         -         50         533,968           -         50         50         53,384         33,22         -         50         533,968           -         50         50         53,884         322         -         50         533,968           -         50         50         50         50         50         533,968         50         533,968           -         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50         50
322	322         \$0         \$33894         \$53894         \$33894         \$322         -         \$0         \$333968           -         \$0         \$0         \$16723         \$16723         \$16723         \$16723         \$166723         \$166723         \$1408002         \$1408002         \$1408002         \$1408002         \$1408002         \$1408002         \$1408002         \$1408002         \$156723         \$166         -         \$0         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$2571322         \$25713	322	322         \$0         \$33,894         \$53,894         \$53,894         \$53,968         \$50         \$53,968           -         \$0         \$0         \$1,80         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0
- S0 S0 S0 S0 S0 S0	-         80         80         50         -         -         50         50           12,66         50         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,723         516,	- 80 80 516,723 516,723 58 - 58 50 516,723 58 - 58 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516,723 516	- 80 816,723 816,723
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\$ \$0   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252   \$2.713.252	12.568
166   S0   \$35,763   \$15,763   166   -   \$0   \$55,836   36,536   -   \$0   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938 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\$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,	166   \$0   \$35,763   \$15,763   \$166   .   \$0   \$55,836   .   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   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\$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,938   \$1,410,	166   \$0   \$135,763   \$135,763   166   .   \$10   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135,836   \$135	166   S0   \$35,763   \$35,763   166   .
6,536	6,536	6,536	6,536
50 514 514 514 514 514 514 514 514 514 514	50   5144   1 - 50   5144   1 - 50   5144   1   1   1   1   1   1   1   1   1	1   50   5144   5144   1   5   50   5144   1   5   5   5   5   5   5   5   5   5	1   50   5144   5144   1   -   50   5144     15   50   53,222   53,232   15   -   50   53,328     -
		5   50   53,232   53,222   15 - 50   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238   53,238	5   5   5   5   5   5   5   5   5   5

Case 17-E-0238 Appendix 2 Schedule 8.4a Page 4 of 4

NIAGARA MOHAWK POWER CORPORATION db/a NATIONAL GRID PS.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

							Service C	Jassification No	. 2 - Street Light	ing (Company O	Service Classification No. 2 - Street Lighting (Company Owned and Maintained)	ined)						
	Present T&D rate 0.08575	0.08575	Le	Leap Yr=1, NonLeapYr=0	eapYr=0		-									33.7%	LED Facility %	0.1%
	Proposed T&D rate	0.08646				Ust	Use Group Tariff Prices		LED Conversion On					LED	LED Conversion On	٩	All Other Facility %	0.4%
	0.83% increase		Billed	Present	Proposed	Percent	Tariff			Present	Present	Present		FY'18		Proposed	Proposed	Proposed
		Present	Watts	Annual				2016 Avg	Present	Annual	Annual	Annual	Non	Avg	Proposed	Annual	Annual	Annual
		Facility	ber	Facility	Facility	-	Combined	Units	Annual	T&D	Facility	Total	Leap Yr	Fcst	Annual	T&D	Facility	Total
Description	noite	Class	Lamp	Price	Price	Price	Price	Billed	Usage	Revenue	Revenue	Revenue	Burns	Units	Usage	Revenue	Revenue	Revenue
			(a)	(c)	(p)	(e)	(t)	(g)	(h)	(i)	(i)	(k)	0	(m)	(u)	(0)	(d)	(b)
UG Service																		
	cable and conduit Standard	Standard		\$118.26	\$118.44	0.2%		19,310		80	\$2,283,591	\$2,283,591		19,310	,	80	\$2,287,067	\$2,287,067
	cable only	Standard		\$118.26	\$118.44	0.2%		17,103		80	\$2,022,650	\$2,022,650		17,103		80	\$2,025,729	\$2,025,729
	direct buried cable	Standard		\$118.26	\$118.44	0.5%		7,756		80	\$917,244	\$917,244		7,756		80	\$918,640	\$918,640
	CR UG Circuit sect	Standard		\$118.26	\$118.44	0.2%				80	80	80				80	80	80
IIRD Service																		
	direct buried cable Standard	Standard		887.98	\$88.20	0.3%		13,179		80	\$1,159,525	\$1,159,525		13,179		80	\$1,162,425	\$1,162,425
9	CR URD Circuit sect Standard	Standard		887.98	\$88.20	0.3%				80	80	80				80	80	80
SES IELIO SONSENIENCE	SEE SEE																	
On New M	On New Metal/Composite Stud Standard	Standard		\$47.71	\$47.76	0.1% \$	53.52	1,707		80	\$81,429	\$81,429		1,707		80	\$81,514	\$81,514
On Existing M	On Existing Metal/Composite Stnd	Standard		\$65.99	\$66.12	0.2%	53.52	361		80	\$23,850	\$23,850		361	,	80	\$23,897	\$23,897
	On Any Wood Pole	Standard		\$59.86	\$60.00	0.2%	53.52	809		80	\$48,442	\$48,442		809	,	80	\$48,555	\$48,555
	Festoon Outlet - Old	Obsolete		\$5.55	\$5.52	-0.5%		09		80	\$333	\$333		09		80	\$331	\$331
SURV CAMERA ATTACH	ACH							3		80	80	80		3		80	80	80
LED																		
LL Roadway LED-A	y LED-A	Standard	0	80.00	80.00	#DIA/0i	80.00			80	80	80	347.50	,		80	80	80
LL Roadway LED-B	y LED-B	Standard	25	\$83.83	\$83.88	0.1%	\$83.88	16,086	1,676,937	\$143,797	\$1,348,466	\$1,492,264	347.50	16,086	1,676,937	\$144,988	\$1,349,271	\$1,494,259
LL Roadway LED-C	y LED-C	Standard	48	\$88.52	888.68	0.2%	\$88.68	15,137	3,029,841	\$259,809	\$1,339,936	\$1,599,745	347.50	15,137	3,029,841	\$261,960	\$1,342,358	\$1,604,318
LL Roadway LED-D	y LED-D	Standard	96	\$110.09	\$110.28	0.2%	\$110.28	5,963	2,387,018	\$204,687	\$656,442	\$861,129	347.50	5,963	2,387,018	\$206,382	\$657,575	\$863,957
LL Roadway LED-E	y LED-E	Standard	0	80.00	80.00	#DIA/0i	80.00			80	80	80	347.50	,		80	80	08
LL Roadway LED-F	ıy LED-F	Standard	210	\$119.16	\$119.28	0.1%	\$119.28	1,454	1,273,618	\$109,213	\$173,306	\$282,519	347.50	1,454	1,273,618	\$110,117	\$173,481	\$283,598
				A.	Annual S.C. 2 Non Price Exception Usage and Revenue	on Price Exce	ption Usage a	nd Revenue	140,280,560	\$12,029,058	\$35,636,709	\$47,665,767			140,280,560	\$12,128,657	\$35,708,616	\$47,837,273
			•		* Annual S.C	z Price Exce	* Annual S.C. 2 Price Exception Usage and Revenue	nd Kevenue	140 252 171	\$0,141	\$650,742	\$000,882			140.252.011	30,191	\$725,702	\$129,893
							Allilla	Anmai S.C. 2 10tal	1/1/700,041	\$17,000,197	104/107/000	0.00,22C,046			140,556,1/1	\$12,134,042	110,404,004	\$40,000,100

24 UD 11 Deadward ED D Stondord	Ctondord	6	17631
24 HN - LL NORUW AY LED-D	Stalldald	2	170.71
24 HR - LL Roadway LED-C	Standard	S	186.29
24 HR - LL Roadway LED-D	Standard	S	231.67
24 HR - LL Roadway LED-F Standard	Standard	S	250.57

PROPOSED MINUS TARGET REVENUE \$12,135,201 \$36,428,103 \$48,563,304 \$83.502 MINUS TARGET \$321 \$414 \$53.802 \$12,135,201 \$414 \$13.802 \$12,135,201 \$12,14 \$13.802 \$12,14 \$13.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$12.802 \$1

36,294,822

12,205,500

Case 17-E-0238
Appendix 2
Schedule 8.5a
Page 1 of 3

NIAGARA MOHAWK POWER CORPORATION db/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained) - FACILITIES WITH PRICE EXCEPTIONS

Present T&D rate Proposed T&D rate	0.08575	ia,	vice Clas	Service Classification NG	o. 2 - Stree	t Lighting	Company	Owned and	(Jaintained)	- Street Lighting (Company Owned and Maintained) - FACIL/THES WITH PRICE EXCEPTIONS	S WITH PRIC	E EXCEPTIO	S					
Customer	Billcode Description	Price Exception	Billed Watts per Lamp (a)	Rate Year Retail Facility Price (b)	Present Annual Facility Price (c)	Proposed Amual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Present Annual Usage (g)	Present Annual T&D Revenue (h)	Present Annual Facility Revenue	Present Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY18 Fest Units	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (0)	Proposed Annual Total Revenue (p)
AMHERST CENTRAL SCHOOL DI AMHERST CENTRAL SCHOOL DI	FD Concrete > 16' CR UG Cable & Cndt	5,243,017,740 4,356,054,170		215.88	\$62.11 \$97.57	\$69.08	11.2%	4 4 Subtotal:		\$0 80 80	\$248 \$390 \$639	\$248 \$390 \$639		4 4 Subtotal:		\$0 80 80	\$276 \$434 \$710	\$276 \$434 \$710
CHAUTAUQUA UTILITY DIST CHAUTAUQUA UTILITY DIST	LL Open IN 1000 PL Wood OH	8,975,335,963 6,131,161,511	103	73.83508	\$73.55 \$25.97	\$81.80	11.2%	62.2 77.5 Subtotal:	26,702	\$2,290 \$0 \$2,290	\$4,572 \$2,013 \$6,585	\$6,862 \$2,013 \$8,875	347.50	62 78 Subtotal:	26,702	\$2,309 \$0 \$2,309	\$5,085 \$2,238 \$7,323	\$7,394 \$2,238 \$9,632
CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO	FD Concrete =<16 FD Concrete =<16 FD Concrete =<16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete ><16 FD Concrete 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CITY OF SCHENECTADY CITY OF SCHENECTADY CITY OF SCHENECTADY CITY OF SCHENECTADY	LL Enclosed IN <2500 SD Steel =<16' AB PT FD Concrete =<16' CR UG Cable & Cndt	2,514,003,640 9,057,251,892 119,391,034 923,523,835	202	97.08 111.96 215.88 118.44	\$38.55 \$21.25 \$30.32 \$81.20	\$42.87 \$23.63 \$33.72 \$90.31	11.2% 11.2% 11.2% 11.2%	24 24 24 24 Subtotal:	20,217	\$1,734 \$0 \$0 \$0 \$0 \$1,734	\$925 \$510 \$728 \$1,949 \$4,112	\$2,659 \$510 \$728 \$1,949 \$5,845	347.50	24 24 24 24 Subtotal:	20,217	\$1,748 \$0 \$0 \$0 \$0 \$1,748	\$1,029 \$567 \$809 \$2,167 \$4,573	\$2,777 \$567 \$809 \$2,167 \$6,321
CITY OF SYRACUSE DPW CITY OF SYRACUSE DPW CITY OF SYRACUSE DPW CITY OF SYRACUSE DPW CITY OF SYRACUSE DPW CITY OF SYRACUSE DPW CITY OF SYRACUSE DPW CITY OF SYRACUSE DPW	SD Steel =< [6' AB PT SD Steel > 16' AB SD Alum Armony 36 AB FD Concrete =< 16' FD Concrete > 16' FD Concrete > 16' CR UG Cable & Cndt CR UG Cable & Cndt	3,793,634,146 7,967,450,484 6,396,732,077 3,332,548,425 9,725,348,455 2,434,895,538 752,702,727 8,032,131,921		260.88 260.88 336.12 215.88 215.88 118.44	\$13.60 \$54.02 \$13.60 \$19.46 \$19.96 \$83.64 \$55.94 \$53.16	\$15.13 \$60.08 \$15.13 \$21.64 \$22.20 \$93.02 \$62.21 \$59.12	11.3% 11.2% 11.2% 11.2% 11.2% 11.2%	495.0 11.0 1.0 503.0 51.0 11.0 510.3 48.6 Subtotal:		8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	\$6,732 \$594 \$14 \$9,788 \$1,018 \$20 \$28,543 \$2,583 \$50,192	\$6,732 \$594 \$14 \$9,788 \$1,018 \$20 \$220 \$28,543 \$2,583	<u>'</u>	495 11 12 503 51 51 11 510 49		8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	\$7,489 \$661 \$15 \$10,885 \$1,132 \$1,132 \$1,743 \$2,872 \$55,821	\$7,489 \$661 \$15 \$10,885 \$1,132 \$1,023 \$31,743 \$2,872 \$5,872
CITY OF UTICA DPW CITY OF UTICA DPW CITY OF UTICA DPW CITY OF UTICA DPW CITY OF UTICA DPW MUSUEM OF SCIENCE & TEC MUSUEM OF SCIENCE & TEC	LL Enclosed IN 4000 SD Steel >16' AB FD Concrete >16' CR UG Cable & Cndt FD Concrete =<16' CR UG Cable & Cndt	805,054,350 8,996,557,075 2,978,195,981 8,212,261,222 9,761,380,833 6,113,511,345	327	260.88 215.88 118.44 215.88 118.44	\$35.95 \$34.50 \$53.41 \$83.95 \$33.87 \$129.79	\$39.98 \$38.37 \$59.40 \$93.37 \$37.67	11.2% 11.2% 11.2% 11.2% 11.2%	Subtotal:	10,909	\$935 80 80 80 80 8935 80 80 80	\$288 \$276 \$427 \$427 \$672 \$1,662 \$135 \$219 \$665	\$1,223 \$276 \$427 \$672 \$2,598 \$135 \$519	347.50	8 8 8 8 8 Subtotal: 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	10,909	\$943 \$0 \$0 \$0 \$0 \$943 \$0 \$0 \$0 \$0	\$320 \$307 \$475 \$747 \$1,849 \$151 \$277	\$1,263 \$307 \$475 \$772 \$2,792 \$151 \$577
TOWN OF AMHERST TOWN OF AMHERST TOWN OF AMHERST TOWN OF AMHERST TOWN OF AMHERST TOWN OF AMHERST TOWN OF AMHERST TOWN OF AMHERST TOWN OF AMHERST TOWN OF AMHERST TOWN OF AMHERST TOWN OF AMHERST TOWN OF AMHERST TOWN OF AMHERST TOWN OF AMHERST	CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt	1,198,891,209 40,907,619 8,598,118,892 1,259,621,13,002 159,731,002 159,734,008 158,535,201,449 8,553,201,449 8,553,201,449 8,593,201,480 8,593,603,603,503 8,593,603,603 8,593,603,603 8,593,603,603 8,593,603,603 8,593,603,603 8,593,603,603 8,593,603,603 8,593,603,603 8,593,603,603 8,593,603,603 8,593,603,603 8,593,603,603 8,593,603,603 8,593,603,603 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11.2% 11.2% 11.2% 11.2% 11.2%	37 239 4 4 4 4 4 74 74 78 78 78 78 78 78 78 78 78 78 78 78 78		8 8 8 8 8 8 8 8 8 8 8 8 8	\$2,380 \$1,672 \$1,672 \$1,672 \$1,572 \$109 \$291 \$1,801 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 \$1,351 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208 S. 208 S. 208 S. 1,144 S. 1,44 S. 208 S. 1,44 S. 208 S. 1,44 S. 208 S. 1,43 S. 1,43

Case 17-E-0238 Appendix 2 Schedule 8.5a Page 2 of 3

NIAGARA MOHAWK POWER CORPORATION d'bia NATIONAL GRID P.S.C. No. 214 ELECTRICITY Rate Year I Revenue at Present and Proposed Rates

ill and Proposed Nates	d Maintained) - FACILITIES WITH PRICE EXCEPTIONS
Nate real revenue at Fleschi and F	. 2 - Street Lighting (Company Owned and Maint
	Service Classification No.

Present T&D rate	0.08575	ries.	Service Classifica	япсацов М	o. 2 - Street	Lighting (4	ompany O	wned and iv	lamtamed)	- FACILLI IE	ed) - FACILLILES WITH PRICE EACEP	E EACEF 1101	ş					
Proposed T&D rate	0.08646	ı				-										-	-	-
				Kate Year Retail	Present	Proposed	Percent	2016 Avg	Present	Present	Present	Present	Non	FY18	Proposed	Proposed	Proposed	Proposed
Customer	Billcode Description	Price Exception	per Lamp (a)	Facility Price (b)	Facility Price (c)	Facility Price (d)		Units Billed (f)	Annual Usage (g)	T&D Revenue (h)	Facility Revenue (i)	Total Revenue (j)	Leap Yr Burns (k)	Fest Units	Annual Usage (m)	T&D Revenue (n)	Facility Revenue (0)	Total Revenue (p)
TOWN OF AMHERST	CR UG Cable & Cndt	9,684,811,658		118.44	\$64.32	\$71.53	11.2%	17		80	\$1,093	\$1,093		17		0\$	\$1,216	\$1,216
TOWN OF AMHERST TOWN OF AMHERST	CR UG Cable & Cndt	9,054,181,941		118.44	\$64.32	\$71.53	11.2%	21		S S	\$1,351	\$1,351		21		9 S	\$1,502	\$1,502
TOWN OF AMHERST	CR UG Cable & Cndt	4,122,982,749		118.44	\$64.32	\$71.53	11.2%	8 8	,	80	\$1,865	\$1,865		8 8	,	80	\$2,074	\$2,074
TOWN OF AMHERSI TOWN OF AMHERST	CR UG Cable & Cndt	1.819.291.823		118.44	\$64.32	\$71.53	11.2%	3 ~		08 08 08	\$1,415	\$1,415		7 7		08 08 08	\$1,5/4	\$1,574
TOWN OF AMHERST	FD Concrete >16'	3,598,117,791		215.88	\$27.32	\$30.38	11.2%	20 5	,	80	\$546	\$546		20.5	,	\$00	8098	8098
TOWN OF AMHERST TOWN OF AMHERST	CR UG Cable & Cndt FD Concrete > 16'	959,770,108		118.44	\$72.75	\$80.91	11.2%	20		0s 0s	\$1,455	\$1,455		20 21		9 S	\$1,618	\$1,618
TOWN OF AMHERST	CR UG Cable & Cndt	4,969,406,205		118.44	\$72.75	\$80.91	11.2%	2 2		80	\$946	\$946		2 2		80	\$1,052	\$1,052
TOWN OF AMHERST	FD Concrete >16'	5,321,916,719		215.88	\$27.32	\$30.38	11.2%	37		80	\$1,011	\$1,011		37		80	\$1,124	\$1,124
TOWN OF AMHERST	CR UG Cable & Chdt	3,863,774,947		118.44	\$64.32	\$71.53	11.2%	22 3		0s 80	\$2,692	\$2,692		5 2		80	\$2,994	\$2,934 \$1,574
TOWN OF AMHERST	CR UG Cable & Cndt	1,001,976,419		118.44	\$64.32	\$71.53	11.2%	23		80	\$1,479	\$1,479		23		80	\$1,645	\$1,645
TOWN OF AMHERST TOWN OF AMHERST	CR UG Cable & Cndt	3,870,870,318		118.44	\$72.75	\$50.58	11.2%	2 01		08 80	\$273 \$728	\$728		01		80	\$304	\$304
TOWN OF AMHERST	FD Concrete >16'	5,423,709,947		215.88	\$27.32	\$30.38	11.2%	15		80	\$410	\$410		15		80	\$456	\$456
TOWN OF AMHERST TOWN OF AMHERST	CR UG Cable & Cndt FD Concrete >16'	9,396,458,974		118.44 215.88	\$72.75	\$80.91	11.2%	5 5		0s 0s	\$1,091	\$1,091		5 5		9 S	\$1,214	\$1,214
TOWN OF AMHERST	CR UG Cable & Cndt	5,616,411,684		118.44	\$72.75	\$80.91	11.2%	5	,	80	\$364	\$364		5		80	\$405	\$405
TOWN OF AMHERST TOWN OF AMHERST	FD Concrete >16' CR UG Cable & Cndt	8,626,110,861		215.88	\$27.32	\$30.38	11.2%	v v		0s 0s	\$137	\$137		v v		9 S	\$152	\$152 \$405
TOWN OF AMHERST	FD Concrete =<16'	9,002,641,036		215.88	\$27.32	\$30.38	11.2%	32		80	\$874	\$874		32		80	\$972	\$972
TOWN OF AMHERST	CR UG Cable & Cndt	7,120,076,700		118.44	\$72.75	\$80.91	11.2%	32		80	\$2,328	\$2,328		32		80	\$2,589	\$2,589
TOWN OF AMHERST	CR UG Cable & Cndt	240,138,221		118.44	\$64.32	\$71.53	11.2%	81		08 80	\$3,216	\$3,216		S 81		80 s	\$1,288	\$1,288
TOWN OF AMHERST	CR UG Cable & Cndt	4,847,415,974		118.44	\$64.32	\$71.53	11.2%	61		\$0	\$1,222	\$1,222		61		80	\$1,359	\$1,359
TOWN OF AMHERST TOWN OF AMHERST	FD Concrete > 16' CR UG Cable & Cndt	2,449,189,902		215.88	\$27.32	\$30.38	11.2%	17		08 OS	\$464	\$464		17		S S	\$516	\$516
TOWN OF AMHERST	CR UG Cable Only	5,055,312,853		118.44	\$15.84	\$17.62	11.2%	36		80	\$570	\$570		36		80	\$634	\$634
TOWN OF AMHERST	FD Concrete >16'	681,267,422		215.88	\$27.32	\$30.38	11.2%	01 9		80	\$273	\$273		0 0		80	\$304	\$304
TOWN OF AMHERST	CR UG Cable & Chdt	5,036,500,765		118.44	\$64.32	\$71.53	11.2%	13		08 80	\$7.28	\$728		13		80 80	\$930	\$930
TOWN OF AMHERST	FD Concrete =<16'	4,344,224,942		215.88	\$27.32	\$30.38	11.2%	= :		\$0	\$301	\$301		= :		80	\$334	\$334
TOWN OF AMHERST TOWN OF AMHERST	CR UG Cable & Cndt FD Concrete >16'	8,306,448,664 9,864,202,652		715.88	\$72.75	\$80.91	11.2%	Π ′		08 08	\$800	\$800		11		9 S	\$213	\$213
TOWN OF AMHERST	CR UG Cable & Cndt	5,977,593,395		118.44	\$72.75	\$80.91	11.2%	7		80	8209	8209		7		80	\$566	\$566
TOWN OF AMHERST TOWN OF AMHERST	FD Concrete > 16'	2,270,561,615		215.88	\$27.32	\$30.38	11.2%	6 0		08 9	\$246	\$246		6 0		80	\$273	\$273
TOWN OF AMHERST	FD Concrete >16'	7,381,334,533		215.88	\$27.32	\$30.38	11.2%	v v		808	\$137	\$137		. 5		80	\$152	\$152
TOWN OF AMHERST TOWN OF AMHERST	CR UG Cable & Cndt FD Concrete > 16'	1,791,555,525		118.44	\$72.75	\$80.91	11.2%	v »		0\$ \$	\$364	\$364		v, o		80	\$405	\$405
TOWN OF AMHERST	CR UG Cable & Cndt	9,938,501,756		118.44	\$72.75	\$80.91	11.2%	o oo		80	\$582	\$582		∞ ∞		80	\$647	\$647
TOWN OF AMHERST TOWN OF AMHERST	FD Concrete >16' HD CR UG Cable & Cndt	9,519,818,398 6.263,416,544		215.88	\$27.32	\$30.38	11.2%	¥ ¥		80 80	\$656	\$656		¥ ¥		08 S0	\$729	\$729
TOWN OF AMHERST	FD Concrete >16'	7,972,790,067		215.88	\$27.32	\$30.38	11.2%	Ξ	,	80	\$301	\$301		Ξ		80	\$334	\$334
TOWN OF AMHERST TOWN OF AMHERST	CR UG Cable & Cndt FD Concrete >16' HD	858,637,796		118.44	\$72.75	\$80.91	11.2%	Ξ ς		0S S	\$800	\$800		II 5		S S	\$890	\$890
TOWN OF AMHERST	CR UG Cable & Cndt	9,442,246,922		118.44	\$72.75	\$80.91	11.2%	'n		80	\$364	\$364		2		80	\$405	\$405
TOWN OF AMHERST TOWN OF AMHERST	FD Concrete >16' HD CR UG Cable & Cndt	9,372,436,534		215.88	\$27.32	\$30.38	11.2%	2 2		0\$ \$0	\$574	\$574		21 22		S S	\$638	\$638
TOWN OF AMHERST	FD Concrete >16'	7,006,920,700		215.88	\$27.32	\$30.38	11.2%	10		80	\$273	\$273		10		80	\$304	\$304
TOWN OF AMHERST	CR UG Cable & Cndt	2,146,282,972		118.44	\$72.75	\$80.91	11.2%	10		80	\$728	\$728		0 5		80	8809	\$809
TOWN OF AMHERST	CR UG Cable & Cndt	5,258,665,596		118.44	\$27.32 \$72.75	\$80.91	11.2%	3 2		80	\$1,091	\$1,091		3 2		30 80	\$1,214	\$1,214
TOWN OF AMHERST	FD Concrete >16'	7,841,872,428		215.88	\$27.32	\$30.38	11.2%	r 1	,	80	\$191	\$191		r 1		80	\$213	\$213
TOWN OF AMHERST	FD Concrete >16'	7,059,792,008		215.88	\$27.32	\$30.38	11.2%	. 4		0\$ 8	\$382	\$382		. 41		80	\$425	\$425
TOWN OF AMHERST	CR UG Cable & Cndt	6,082,963,339		118.44	\$72.75	\$80.91	11.2%	4 4		80	\$1,019	\$1,019		4 4		80	\$1,133	\$1,133
TOWN OF AMHERST	CR UG Cable & Cndt	8,376,415,574		118.44	\$72.75	\$80.91	11.2%	o vo		80	\$364	\$364		0.00		80	\$405	\$405
TOWN OF AMHERST	FD Concrete >16'	8,235,648,956		215.88	\$27.32	\$30.38	11.2%	9 9		80	\$164	\$164		9 9		80	\$182	\$182
TOWN OF AMHERST	FD Concrete >16' HD	4,202,773,657		215.88	\$27.32	\$30.38	11.2%	· ∞		80	\$219	\$219		) oc		\$0	\$243	\$243

Case 17-E-0238
Appendix 2
Schedule 8.5a
Page 3 of 3

NIAGARA MOHAWK POWER CORPORATION db/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained) - FACILITIES WITH PRICE EXCEPTIONS

0.08575

Present T&D rate

This continue	Proposed T&D rate	0.08040	,	П															
Proceeding					Rate Year	Present	Proposed	Percent			Present	Present	Present	;			Proposed	Proposed	Proposed
Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Controlled Charges   Control					Retail	Annual	Annual	Change	2016 Avg	Present	Annual	Annual	Annual	Non	FY18	Proposed	Annual	Annual	Annual
Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controller Controlle		Dillands December	Price		Facility	Facility	Facility	Facility	Units	Annual	I&D	Facility	Total	Leap Yr	Fest	Annual	I&D	Facility	Total
Controlle & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Control & Co		Directe Describani	Exception	(a)	(b)	(c)	(p)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(E)	(m)	(n)	(o)	(b)
CHOCCANA CASA SASANASSA TITAS AND STATE SASA SASA SASA SASA SASA SASA SAS	OWN OF AMHERST	CR UG Cable & Cndt	7,726,467,374		118.44	\$72.75	\$80.91	11.2%	œ		80	\$582	\$582		00		80	\$647	\$647
CUCCHE Cont. 6         55,53,53,54         CUCCHE Cont. 6         55,53,53,54         11.35         15         15         15         15         15         15         15,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46         25,46 <td>OWN OF AMHERST</td> <td>FD Concrete =&lt;16'</td> <td>1,744,000,650</td> <td></td> <td>215.88</td> <td>\$27.32</td> <td>\$30.38</td> <td>11.2%</td> <td>35</td> <td></td> <td>80</td> <td>8956</td> <td>\$956</td> <td></td> <td>35</td> <td>,</td> <td>80</td> <td>\$1,063</td> <td>\$1,063</td>	OWN OF AMHERST	FD Concrete =<16'	1,744,000,650		215.88	\$27.32	\$30.38	11.2%	35		80	8956	\$956		35	,	80	\$1,063	\$1,063
Concase Color   S. 20, 20, 20, 20, 20, 20, 20, 20, 20, 20,	FOWN OF AMHERST	CR UG Cable & Cndt	5,645,248,952		118.44	\$72.75	\$80.91	11.2%	35		80	\$2,546	\$2,546		35	,	80	\$2,832	\$2,832
CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIONE & Card.  CUCIO	TOWN OF AMHERST	FD Concrete >16'	5,972,606,736		215.88	\$27.32	\$30.38	11.2%	6		80	\$246	\$246		6		80	\$273	\$273
Procues   15,732,644   1,732,644   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64   1,244,64	TOWN OF AMHERST	CR UG Cable & Cndt	7,982,962,549		118.44	\$72.75	\$80.91	11.2%	6		80	\$655	\$655		6		80	\$728	\$728
CR UGGNee Control 16         CR UGGNee Control 16         CR UGGNee Control 16         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404         S 259 34-404	TOWN OF AMHERST	FD Concrete >16'	5,707,647,186		215.88	\$27.32	\$30.38	11.2%	3		80	\$82	\$82		3	,	80	\$91	891
Proceedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Procedings   Pr	TOWN OF AMHERST	CR UG Cable & Cndt	1,733,286,442		118.44	\$72.75	\$80.91	11.2%	3		80	\$218	\$218		3	,	80	\$243	\$243
Cut Clicke Code   453,7402   1844   2715   2819   1124   2715   2819   1124   2715   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819   2819	TOWN OF AMHERST	FD Concrete >16'	5,299,394,404		215.88	\$27.32	\$30.38	11.2%	3		80	\$82	\$82		3	,	80	\$91	891
Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chapter County   Chap	TOWN OF AMHERST	CR UG Cable & Cndt	451,736,027		118.44	\$72.75	\$80.91	11.2%	3		80	\$218	\$218		3	,	80	\$243	\$243
CR UG CARe & Cold. 1, 139.6 (1), 137. 174.4 4 57.2 × 30.9 (1) 11.2h, 6 × 2 × 9 × 515.0 × 20.0 × 11.2h	TOWN OF AMHERST	FD Concrete =<16′	5,185,829,268		215.88	\$27.32	\$30.38	11.2%	∞		80	\$219	\$219		∞		80	\$243	\$243
Procuence > 16   2.58 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.48 (a.1.4)   2.4	TOWN OF AMHERST	CR UG Cable & Cndt	1,259,611,207		118.44	\$72.75	\$80.91	11.2%	∞		80	\$582	\$582		∞	,	80	\$647	\$647
CR UG Chie & Chair         5, 60, 60, 70         118-4         51.7         5 80.9 1         12.8         5 9.5         5 84.7         5 84.7         5 84.7         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2         5 84.2	TOWN OF AMHERST	FD Concrete >16'	3,848,447,984		215.88	\$27.32	\$30.38	11.2%	9		80	\$164	\$164		9		80	\$182	\$182
Procurente = (16 3,996,897 126 88 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.91 127.5 \$10.	OWN OF AMHERST	CR UG Cable & Cndt	9,356,102,071		118.44	\$72.75	\$80.91	11.2%	9		80	\$437	\$437		9		80	\$485	\$485
CR UG Cable & Cond.         6, 0.44, 53, 96, 83         2 1, 12, 9         1 1, 9         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10         5 1, 10	TOWN OF AMHERST	FD Concrete =<16'	3,498,700,697		215.88	\$27.32	\$30.38	11.2%	14		80	\$382	\$382		14		80	\$425	\$425
PUCCheckee Cled 2,244,525,454 5 16 5 8 1272 5 810.9   11.2%	DWN OF AMHERST	CR UG Cable & Cndt	8,033,986,839		118.44	\$72.75	\$80.91	11.2%	17		80	\$1,019	\$1,019		14	,	80	\$1,133	\$1,133
CR UG Cable & Cottal 6, 210,884, 88.         118.4         57.25         58.03         11.2%         6         -         50         5445         51.9         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.05         54.0	OWN OF AMHERST	FD Concrete >16'	2,544,525,945		215.88	\$27.32	\$30.38	11.2%	9		80	\$164	\$164		9	,	80	\$182	\$182
Procuence—16 9, 141, 177, 177, 182, 182, 183, 183, 183, 183, 183, 183, 183, 183	OWN OF AMHERST	CR UG Cable & Cndt	9,330,884,808		118.44	\$72.75	\$80.91	11.2%	9		80	\$437	\$437		9	,	80	\$485	\$485
CR UG Cible & Cond. 1,411,777   118.44   572.75   580.91   11.2%   128.025,999   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%   12.8%	OWN OF AMHERST	FD Concrete >16'	9,310,077,600		215.88	\$27.32	\$30.38	11.2%	13	,	80	\$355	\$355		13	,	80	\$395	\$395
FDC Current = -1/6   128,925,999   216.68   872.73   870.38   11.2%   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9   12.9	OWN OF AMHERST	CR UG Cable & Cndt	1,411,177,711		118.44	\$72.75	\$80.91	11.2%	13		80	\$946	\$946		13	,	80	\$1,052	\$1,052
SD Sucie = 16 AB PT 8.446.22277 411.06 \$1.275 \$10.07 11.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$1.2% \$	OWN OF AMHERST	FD Concrete >16'	128,925,989		215.88	\$27.32	\$30.38	11.2%	12		80	\$328	\$328		15		80	\$365	\$365
Subrocal: -   AB   FT   State 222.72   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State 22.52   State	OWN OF AMHERST	CR UG Cable & Cndt	3,924,127,941		118.44	\$72.75	\$80.91	11.2%	12		80	\$873	\$873	ļ	12	,	80	\$971	\$97
P. Comercie = -16									Subtotal:		80	\$92,627	\$92,627		Subtotal:		80	\$103,011	\$103,011
FD Councide & Coldi	OWN OF OUEENSBURY	SD Steel =<16' AB PT	8.546.322.273		111.96	\$28.21	\$31.37	11.2%	79		80	\$733	\$733		56		80	\$816	\$816
CR UG Cable & Charle   1,344,984,129   11844   5107.71   119.79   11.2%   Subtorali   .	WN OF OUEENSBURY	FD Concrete =<16′	7,441,083,920		215.88	\$40.36	\$44.89	11.2%	50		80	\$1,049	\$1,049		56	,	80	\$1,167	\$1,167
CR UG Cuble & Chart 1,344,984,299 148 46,857 57137 11.2% 249 - 80 517,288 517,288 517,288 517,288 517,288 517,288 517,288 517,289 52,100 505,11.2% 249 - 80 517,288 517,288 517,288 517,288 517,289 52,100 505,11.2% 249 - 80 517,289 52,100 505,100 505,11.2% 216,885,390 517,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291 51,291	OWN OF QUEENSBURY	CR UG Cable & Cndt	2,587,220,482		118.44	\$107.71	\$119.79	11.2%	26		80	\$2,800	\$2,800		26	,	80	\$3,115	\$3,115
CR UG Cable & Codd									Subtotal:		80	\$4,583	\$4,583		Subtotal:		80	\$5,097	\$5,097
CR UG Cable & Coult																			
FOCKERIGE & Chair 1, 1484, 300, 155 G. 112%	OWN OF TONAWANDA	CR UG Cable & Cndt	1,344,984,259		118.44	\$69.57	\$77.37	11.2%	249		80	\$17,288	\$17,288		249		80	\$19,226	\$19,226
FDConcrete <16 7,461,048,530 215.88 \$25.57 \$28.65 11,2% 970 - 80 \$23,362 \$23,362 970 - 80 \$25,983 \$25 \$35 \$25 \$4 \$28.67 11,2% 970 - 80 \$13,562 970 - 80 \$25,983 \$25 \$35 \$25.24 \$28.07 11,2% \$24,000 \$245,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$24,000 \$	OWN OF TONAWANDA	CR UG Cable & Cndt	7,484,500,155		118.44	\$68.60	\$76.29	11.2%	905		80	\$62,100	\$62,100		905		80	\$69,062	\$69,062
CR EF CM & Chadrifl 9,165.366,699 0,100388 \$0.10 \$0.01 1.20% 149 - 5 \$0 \$15 \$15 \$149 - 5 \$50 \$15 \$16 \$16 \$16 \$16 \$16 \$16 \$16 \$16 \$16 \$16	DWN OF TONAWANDA	FD Concrete =<16'	7,461,048,530		215.88	\$25.76	\$28.65	11.2%	200		80	\$23,362	\$23,362		200	,	80	\$25,983	\$25,983
FD Concrete > 16 2,916,5553,65 215.88 \$25.24 \$28.07 11.2% Subtroal: - 80 \$102,765 \$102,765 \$104.041: - 80 \$114,288 \$111,288 \$111.2% Subtroal: - 80 \$102,765 \$102,765 \$104.041: - 80 \$114,288 \$111.2% Subtroal: - 80 \$10,2765 \$102,765 \$104.041: - 80 \$111.2% Subtroal: - 80 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2765 \$10,2	DWN OF TONAWANDA	CR EF Cbl & Cndt/ft	9,165,906,069		0.100388	\$0.10	\$0.11	10.0%	149		80	\$15	\$15		149	•	80	\$16	\$16
CR UG Cable & Cndt 9,602,462,524 11844 \$43.00 \$47782 11.2% 1048 - 80 \$45,071 \$45,071 \$45,071 \$45,072 1 1.048 - 80 \$45,071 \$45,072 1 1.2% 1048 - 80 \$45,071 \$45,072 1 1.2% 28.67 1 1.2% 2 80 \$7,145 634	OWN OF TONAWANDA	FD Concrete >16'	2,916,555,365		215.88	\$25.24	\$28.07	11.2%	Subtotal:		08 9	618	818	1	Subtotal:		08	\$21	\$21
CR UG Cable & Cndt 9,602,462,524 118,44 \$43.00 \$45782 11.2% 1048 - 80 \$45,071 \$45,071 \$1004 \$6.254,715,657 103 \$28.941 \$81.05 \$80.15 11.2% 2 860 \$74 \$88 \$131 \$47.50 \$2,439 \$83,47 \$47.50 \$2 860 \$74 \$84 \$24.39 \$83,47 \$47.50 \$2 860 \$74 \$84 \$27.12 \$81.05 \$81.05 \$81.05 \$81.12% \$81.12% \$11.2% \$2.439 \$83,47 \$47.50 \$2 860 \$74 \$86 \$74 \$86 \$74 \$86 \$74 \$86 \$131 \$47.50 \$2 860 \$74 \$86 \$131 \$47.50 \$2 860 \$74 \$86 \$131 \$47.50 \$2 860 \$74 \$86 \$131 \$47.50 \$2 860 \$74 \$86 \$131 \$47.50 \$2 860 \$74 \$86 \$131 \$47.50 \$2 860 \$74 \$86 \$131 \$47.50 \$2 860 \$74 \$86 \$131 \$47.50 \$2 860 \$74 \$86 \$131 \$47.50 \$81.12% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2% \$11.2%																			
LL Open IN 1000 455,062,850 103 81,37419 \$81.05 \$90,15 11.2% 30 12,922 \$1,108 \$2,439 \$83,547 347.50 30 12,922 \$1,117 \$2,712 \$\$ LL Open IN 1000 6,524,715,657 103 28,984 \$50,77 11.2% 2 860 \$74 \$58 \$131 347.50 2 860 \$74 \$58 \$131 \$47.50 2 860 \$74 \$58 \$131 \$47.50 2 860 \$74 \$58 \$131 \$47.50 2 860 \$74 \$58 \$131 \$47.50 \$132 \$132 \$132 \$132 \$132 \$132 \$132 \$132	VILLAGE OF KENMORE	CR UG Cable & Cndt	9,602,462,524		118.44	\$43.00	\$47.82	11.2%	1048	,	80	\$45,071	\$45,071		1,048		80	\$50,123	\$50,123
LL Open IN 1000 6,524,715,637 103 28,9819 532,07 11,2% 2 860 574 584 5813 347.50 2 860 574 564 584 584 58207 11,2% 2 860 571 12,782 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11,2% 2 11	ILLAGE OF KINDERHOOK	LL Open IN 1000	455,062,850		81.37419	\$81.06	\$90.15	11.2%	30	12,922	\$1,108	\$2,439	\$3,547	347.50	30	12,922	\$1,117	\$2,712	\$3,829
CR UG Cable & Cndt 2,720,445,634 118.44 \$60.71 \$67.52 11.2% 2 - 80 \$121 \$121 \$121 \$121 \$135 \$2.911 \$8 \$135 \$121 \$13.782 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$1.192 \$	ILLAGE OF KINDERHOOK	LL Open IN 1000	6.254.715.057		28.95179	\$28.84	\$32.07	11.2%	2	860	\$74	828	\$131	347.50	2	860	\$74	\$64	\$138
Subtoral: 13.782 \$1,182 \$2,518 \$3,799 Subtoral: 13,782 \$1,192 \$2,911 \$ \$ CR UG Cable & Cndt 5,308,523,706 118.44 \$73.76 \$82.03 11.2% 103 - \$0 \$7,579 \$7,579 103 - \$0 \$8,429 \$ \$ ** Annual Total From Above 71,610 \$6,141 \$650,742 \$656,882 71,610 \$6,191 \$723,702 \$772	VILLAGE OF KINDERHOOK	CR UG Cable & Cndt	2,720,445,634		118.44	\$60.71	\$67.52	11.2%	2		80	\$121	\$121		2		80	\$135	\$135
CR UG Cable & Cndt 5,308,523,706 118.44 \$73.76 \$82.03 11.2% 103 - 80 \$7,579 \$7,579 103 - 80 \$8,429 \$8,429 \$1.00									Subtotal:	13,782	\$1,182	\$2,618	\$3,799		Subtotal:	13,782	\$1,192	\$2,911	\$4,103
71,610 \$6,141 \$650,742 \$656,882 71,610 \$6,191 \$723,702	LLAGE OF WILLIAMSVILLE	CR UG Cable & Cndt	5,308,523,706		118.44	\$73.76	\$82.03	11.2%	103		80	87,579	87,579		103		80	\$8,429	\$8,429
71,610 \$6,141 \$650,742 \$656,882 71,610 \$6,191 \$723,702																			
							* An	nual Total l	From Above	71,610	\$6,141	\$650,742	\$656,882		1	71,610	\$6,191	\$723,702	\$729,893

Case 17-E-0238 Appendix 2 Schedule 8.6a Page 1 of 2

NIAGARA MOHAWK POWER CORPORATION db'a NATIONAL GRID P.S.C. No. 214 ELECTRICITY
Rate Year I Verenue at Present and Proposed Rates
Service Classification No. 3. Service 1 i.astic...

Present T&D rate Proposed T&D rate	0.05906			Se	rvice Clas	sification No	. 3 - Street Lig	ghting (Custo	mer Owned ar	Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)	6					Increase	0.5%
0.49% increase		•	Billed			Percent	2016 Avia	Dracont	Present	Present		Non				Proposed	Proposed
Description	Billcode Description	Price Exception		e de la	e de a	Change Facility Price	Units Units Billed	Annual Usage	Annual T&D Revenue	Annual Facility Revenue	ial la	Leap Yr Bums	s t s	sed e al	Annual T&D Revenue	Annual Facility Revenue	Annual Total Revenue
			(a)	(3)	(P)	(e)	Œ	(g)	(P)	Ξ	9	(K)	€	(m)	(u)	(0)	(d)
Non-contract S.C. 3 Accounts (Customer owned & maintained)	EN Energy Only DTD	n/a	n/a	n/a	n/a	n/a	1,461,537 1,467,763 1,467,763 1,467,763 1,467,634 1,467,634	648,922 559,218 531,330 447,668 403,599 361,038	\$38,325 \$33,027 \$31,380 \$26,439 \$23,837 \$21,523	09 09 09 09 09 09 09 09 09 09 09 09 09 0	\$38,325 \$33,027 \$31,380 \$26,439 \$23,837 \$21,323			648,922 559,218 551,330 447,688 403,599 361,038	\$38,514 \$33,190 \$31,534 \$26,569 \$23,954 \$21,428	0 0 0 0 0 0	\$38,514 \$33,190 \$31,534 \$26,569 \$23,954 \$21,428
							1,469,509 1,474,269 1,475,419 1,475,669 1,475,744	442,322 492,406 579,840 621,257 674,415	\$26,124 \$29,081 \$34,245 \$36,691 \$39,831	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$26,124 \$29,081 \$34,245 \$36,691 \$39,831			442,322 492,406 579,840 621,257 674,415	\$26,252 \$29,224 \$34,413 \$36,872 \$40,027	200000000000000000000000000000000000000	\$26,252 \$29,224 \$34,413 \$36,872 \$40,027
Contract S.C.3 Account (S.C. 3.7&D rate per contract. No facility charge unless a Company-procured new facility - then, S.C.2 price)	cility charge unless a Com	pany-procured ne	w facility - t	then, S.C. 2 <sub>1</sub>	price)												
LAMPS																	
High Pressure Sodium 70W 100W 100W 250W 400W 400W	LP HS 70 LP HS 100 LP HS 150 LP HS 150 LP HS 250 LP HS 400 LP HS 400	0 1866666666 2666666666666666666666666666	86 118 173 304 470	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$8.04	0.00% 0.00% 0.00% 0.00% 13.72%	4 64 731 1756 21 25	1,440 31,488 527,352 2,226,048 41,160 12,300	\$85 \$1,860 \$31,145 \$131,470 \$2,431 \$726	\$0 \$0 \$0 \$0 \$177	\$85 \$1,860 \$31,145 \$131,470 \$2,431 \$903	347.50 347.50 347.50 347.50 347.50	4 64 731 1,756 21 25	1,440 31,488 527,352 2,226,048 41,160 12,300	\$85 \$1,869 \$31,298 \$132,116 \$2,443 \$730	\$0 \$0 \$0 \$0 \$0 \$201	\$85 \$1,869 \$31,298 \$132,116 \$2,443 \$931
175W 400W Mercury Vapor	LP MH 175 LP MH 400	0 8139419394	207 451	\$53.17	\$56.40	6.07% 0.00%	2 11	1,728	\$102 \$1,222	\$106 \$0	\$208 \$1,222	347.50 347.50	2 +	1,728 20,688	\$103 \$1,228	\$113 \$0	\$215 \$1,228
175W	LP MV 175	0866666666	211	\$0.00	\$0.00	%00.0	24	21,336	\$1,260	\$0	\$1,260	347.50	24	21,336	\$1,266	\$0	\$1,266
LUMINAIRES																	
Arch. (style unknown) 150/175 Arch. (style unknown) 70/100 Edgewater 150 Little Falls - Teachrop, 70 Roadway 70 Roadway 250 Roadway 250 Roadway 250	LM Arch 150/175 LM Arch 70/100 LM Edgewater 150 LM Little Fall TD 70 LM Roadway 70 LM Roadway 150 LM Roadway 250 LM Roadway 250	999999975 999999998 999999999 9999999978 99999999		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	%00.0 %00.0 %00.0 %00.0	14 19 730 6 6 4 4 1763		8 8 8 8 8 8	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0		14 19 730 6 6 4 4 2 2 7,1				0 0 0 0 0 0 0
LM Aspen Grove 100	LM Aspen Grove 100 SD Alum Armory Sq AB LM Roadway 175 LM Roadway 175 LM Aspen Grove 100 LM Aspen Grove 100 LM Traditional 100 LM Contemporary 175			\$97.90 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$103.92 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0.00% 0.00% 0.00% 0.00% 0.00%	25 2 1 1 1 1 1 2 2 2 1 1 1 1 1 1 1 1 1 1			\$2,448 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$2,448 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		. 55 18 20 15 15 15			\$2,598 \$2,598 \$0 \$0 \$0 \$0 \$0	\$2,5 98 \$60 \$60 \$60 \$60 \$60 \$60
POLES/STANDARDS Wood Pole, 1 Span	PL Wood OH =< 1SP	69999983		\$0.00	\$0.00	0.00%	ю		0\$	0\$	0\$		ю		0\$	0\$	0\$
Standard > 16 ft for UG or URD Service Aluminum, anchor base steel, anchor base	SD Alum >16' AB SD Steel >16' AB	999999986		\$0.00	\$0.00	0.00% 0.00%	223		0\$	\$00	0\$		223		0\$	0\$	0\$

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NIAGARA MOHAWK POWER CORPORATION debia NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Service Classification No. 3 - Street Lighting (Customer Owned and Maintening

Present T&D rate	0.05906			Sei	rvice Class.	ification No.	. 3 - Street Lig	ghting (Custo	mer Owned aı	Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)	_					Increase	0.5%
Proposed T&D rate	0.05935	٠	Billed	Present P	Pronosed	Percent			Present	Present	Present	i.	FY:18		Pronosed	Pronosed	Proposed
	Billcode	Price	Watts			Change Facility	2016 Avg Units	Present Annual	Annual T&D	Annual Facility				Proposed Annual	Annual T&D	Annual Facility	Annual Total
Description	Description	Exception	Lamp (a)	Price (c)	Price (d)	Price (e)	Billed (f)	Usage (g)	Revenue (h)	Revenue (i)	Revenue (j)	Bums (k)	Units 1	Usage (m)	Revenue (n)	Revenue (o)	Revenue (p)
Standard <= 16 ft for UG or URD Service Aluminum anchor base Villa oer	SD Alum Villa cor AR	5800000000		000\$	00 08	%UO O	7.0		Ģ	Ç	G		22		Ģ	Ç	Ģ
Fiberglass, anchor base		2866666666		\$0.00	\$0.00	0.00%	í		\$0	0\$	0\$		i "		0\$	0\$	0\$
Fiberglass, direct embedded Fiberglass, direct embedded	SD Fbgl =<16' DE PT SD Fbgl =<16' DE PT	0 886666666		\$0.00	\$0.00	0.00%	50 25		\$0 \$0	\$0 \$2,178	\$0 \$2,178		50 25		0\$ \$	\$0 \$2,313	\$0 \$2,313
Decorative Standard <= 16 ft  for UG or URD Service Aluminum, AB, Armony Square SD Alum Armony Sq AB Aluminum, AB, Armony Square SD Alum Armony Sq AB	SD Alum Armory Sq AB SD Alum Armory Sq AB	0 6866666666		\$316.70	\$336.12	0.00%	728		0\$	\$0 \$317	\$0		728		0\$	\$336	\$0 \$336
FOUNDATIONS																	
Concrete - Cast-In-Place for AB standard > 16 ft	FD Concrete >16'	\$6666666666		00 08	00.08	0.00%	253		9	08	09		253		90	08	9
for AB standard > 16 ft	FD Concrete >16'	0		\$203.39	\$215.88	6.14%	2		0\$	\$407	\$407		2		\$0	\$432	\$432
for AB standard <= 16 ft	FD Concrete =<16'	999999994		80.00	80.00	%00.0	092		\$	\$0	\$0		290		\$0	\$0	\$0
for AB standard <= 16 ft	FD Concrete =<16'	0		\$194.89	\$215.88	10.77%	-		\$0	\$195	\$195		-		\$0	\$216	\$216
CIRCUITRY																	
UG Service first 50 ft or less per pole cable and conduit		96666666666		\$0.00	\$0.00	0.00%	992		0\$	0\$	0\$		992		0\$	0\$	0\$
cable and conduit	_	0		\$85.62	\$118.44	38.33%	2		\$0	\$171	\$171		2		\$0	\$237	\$237
cable only	CR UG Cable Only	26666666666		\$0.00	80.00	%00.0	15		\$0	\$0	\$0		15		\$0	\$0	\$0
URD Service first 10 ft or less per pole direct buried cable	CR UG Res DB Cable	8666666666		0008	80.00	00.00	57		09	9	0\$		22		9	9	09
direct buried cable		0		\$54.91	\$88.20	60.63%	25		\$0	\$1,373	\$1,373		25		\$0	\$2,205	\$2,205
										į							
				I	Ann	Annual Total		9,032,444	\$533,456	\$7,371	\$540,827			9,032,444	\$536,076	\$8,650	\$544,726
					\$	Watertown EO		2,883,540 6,148,904	\$170,302 \$363,154 \$380,644	\$7,371 \$0	\$177,673 \$363,154			2,883,540 6,148,904	\$171,138 \$364,937	\$8,650 \$0	\$179,789 \$364,937
												PROPOS	TARGET PROPOSED MINUS TARGET	TARGET	\$536,113	\$7,408	

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NIAGARA MOHAWK POWER CORPORATION db/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY
Rate Year I Revenue at Present and Proposed Rates
Service Classification No. 4 - Traffic Control (Customer Owned and Maintained)

DELYRE CHASSILICATION ING. 4.* THAIRL COILLOT (CUSTOMICE OWING AND MAINTAINED)  Increase 0.5%	Present Present Present Present Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annual Annua	Annual T&D Location Charge Total Fest Annual Usage Revenue Revenue Revenue Units Usage (e) (f) (g) (h) (j)	n/a \$841,377 \$.809 n/a n/a \$845,422	8,970,329 896,431 n/a 896,431 n/a 8,970,329 896,880 n	8,970,329 \$96,431 \$841,377 \$937,808 8,970,329 \$96,880 \$845,422 \$942,301	266.110801 kWh per unit per mo TARGET \$96,911 \$845,567 \$942,478
Classification (10)	i i	Basic Serv. Units Charge Billed (c) (d)	0.50% 2809	n/a n/a	Annual Total	
DOI A IDC	Present Proposed Per Annual Annual Ch	Basic Serv. Basic Serv. Basic Charge Charge Charge (a) (b) (	\$299.52 \$300.96 0.3	n/a	Annua	
0.01075	0.01080 Present Annual	Billcode Basic Ser Description Charge		TC 30 Day kWh n/a		
Present T&D rate	Proposed T&D rate 0.47% increase	Description	Traffic Control Location Charge TC Location Charge	Traffic Control 30 Day kWh		

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NIAGARA MOHAWK POWER CORPORATION dib/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY
Rate Year I Revenue at Present and Proposed Rates
Contract Street Lighting (Customer Contributory Provisions)

	Present T&D rate					3	Contract Street Lighting (Customer Contributory Frovisions)	ac) Sump			(SHORE)					Increase	0.4%
hidden	Proposed T&D rate 0.83% increase	e 0.08646	Billed	Present	Proposed	Percent			Present	Present	Present		FY'18		Proposed	Proposed	Proposed
column used by SC5PRICES tab			Watts		Annual Facility	Change Facility	2016 Avg Units	Present	Annual T&D	Annual Facility	Annual Total	Non Leap Yr	Avg Fest	Proposed Annual	Annual T&D	Annual Facility	Annual
to get RY1 PRICE	Description	Ownership Lamp (a)	Lamp (a)	!	Price (d)	Price (e)	Billed (f)	Usage (g)	Revenue (h)	Revenue (i)	Revenue (j)	Burns (k)	Units	Usage (m)	Revenue (n)	Revenue (o)	Revenue (p)
4474620002	4474200003 CENTED END DIGABILITY CDV.CC	٤															
01 - NMP0000003	CENTER FOR DISABILITIES 150W	150W Company	173	\$7.29	\$7.32	0.4%	4	2,880	\$247	\$29	\$276	347.50	4	2,880	\$249	\$29	\$278
01 - NMP000051P 01 - NMP000084P	Roadway 150 Company Additional Wood Pole Company	Company Company		\$50.84	\$51.00 \$0.00 n/a	ž	4 2		0\$	\$203 \$0	\$203 \$0		4 0		0 0 \$	\$204 \$0	\$20 <del>4</del> \$0
2433882101	2433882101 CITY OF SYRACUSE DPW			ļ	;		:	;		į	!	;	:	;	;		!
01 - NMP0000002	M001			\$7.07	\$7.08	0.1%	4 :	21,648	\$1,856	\$311	\$2,167	347.50	4	21,648	\$1,872	\$312	\$2,183
01 - NMP0000013	175W	V Company	211	\$5.85	\$5.88	0.5%	82	72,444	\$6,212	\$482	\$6,694	347.50	85	72,444	\$6,264	\$484	\$6,748
01 - NMP000105P	Ior anchor base standard <= 16 It Company	t Company		\$194.89	\$195.72	0.4%	5 176		O# 6	\$585	\$585		υ a <sub>C</sub>		0 6	4587	4587
01 - NMP000117P	cable and conduit, per foot	t Company		\$1.71	\$1.68	-1.8%	1243		G G	\$2.126	\$2.126		1.243		0,5	\$2,089	\$2,089
01 - NMP000120P	Festoon Outlet - Old			\$47.67	\$47.88		42		\$	\$2,002	\$2,002		45		\$0	\$2,011	\$2,011
01 - NMP000219P	Williamsville 70			\$99.12	\$99.60		12		\$0	\$1,189	\$1,189		12		\$0	\$1,195	\$1,195
01 - NMP000270P	aluminum, anchor base, Little Falls			\$197.58	\$198.48		43		\$0	\$8,496	\$8,496		43		\$0	\$8,535	\$8,535
01 - NMP000325P	Williamsville 100	_		\$99.12	\$99.60		-		\$0	\$68	\$60		-		\$0	\$100	\$100
01 - NMP000337P	LM Franklin Sq 100			\$128.89	\$129.48	0.5%	31		\$0	\$3,996	\$3,996		હ		\$0	\$4,014	\$4,014
01 - NMP000339P	EM Franklin Sq 175			\$128.89	\$129.48		28 2		Q Q	\$10,612	\$10,612		8 5		80	\$10,661	\$10,661
100 000 ININI - 10	iof afferior base standard <= 10 tt	r company		00000	300.00	0.370	571		O <del>¢</del>	\$6,432	\$6,432		3		00	40,472	40,412
8493879402	TOWN OF HAMILIN																
03 - NMP0000002	M00I		118	\$7.07	\$7.08	0.1%	9	2,952	\$253	\$42	\$296	347.50	9	2,952	\$255	\$42	\$298
03 - NMP000036P	Aren. (style unknown) /0/100			\$29.74	625.33	0.5%	0 4		Q 6	9 1 0	9 1 0		D (1		O 6	9 1/9	9-1-9 C7-1-9
03 - NMP000107P	for AB standards, all applications	s customer		\$41.65	\$41.88	%9.0 0.6%	9		0 <del>\$</del>	\$250	\$250		9		80	\$251	\$251
03 - NMP000116P	direct buried cable	e cuctomer		65 23	86 28	1 0%	4		Ş	<b>8</b> 34	\$31		ď		€	\$30	¢30
03 - NMP000119P	CR EF DB Cable/ft			\$0.49	\$0.48	-2.0%	284		0\$	\$139	\$139		284		\$0	\$136	\$136
1913882104	TOWN OF HAMLIN HILL CREST SUBDIV SC	TSUBDIA	SCS														
03 - NMP0000002	100W	100W customer	118	\$7.07	\$7.08	0.1%	13	6,396	\$548	\$92	\$640	347.50	13	6,396	\$553	\$92	\$645
03 - NMP0000003	150W	v customer	173	\$7.29	\$7.32	0.4%	3	2,160	\$185	\$22	\$207	347.50	က	2,160	\$187	\$22	\$209
03 - NMP000056P	Arch. (style unknown) 70/100			\$29.74	\$29.88	0.5%	10		\$0	\$297	\$297		10		\$0	\$299	\$299
03 - NMP000057P	LM Arch 150/175			\$22.54	\$22.68	%9:0	m ž		\$0	\$68	\$68		ო (		\$0	\$68	\$68
03 - NMP000097P	Fiberglass, anchor base for anchor base	e customer		\$25.20	\$25.52	0.5%	9 2		0\$ G	\$403 \$888	\$403		5 5		0.9	\$405	\$405 \$804
03 - NMP000107P	for AB standards, all applications			\$41.65	\$41.88	%9.0	4		0\$	\$167	\$167		i 4		0\$	\$168	\$168
03 - NMP000116P	direct buried cable	e customer		\$5.23	\$5.28	1.0%	16		\$0	\$84	\$84		16		\$0	\$84	\$84
03 - NMP000119P	CR EF DB Cable/ft	customer		\$0.49	\$0.48	-2.0%	344		\$0	\$169	\$169		344		\$0	\$165	\$165
03 - NMP000313P	Edison 100	) customer		\$29.74	\$29.88	0.5%	3		\$0	\$89	\$89		က		\$0	06\$	\$90
4973879108	VILLAGE OF BROCKPORT																
03 - NMP0000001	W07		98	\$7.03	\$7.08	0.7%	15	5,376	\$461	\$105	\$566	347.50	12	5,376	\$465	\$106	\$571
03 - NMP0000002	100W			\$7.07	\$7.08		5 5	11,808	\$1,013	\$170	\$1,182	347.50	7 7	11,808	\$1,021	\$170	\$1,191
03 - NMP0000003	150 W	v customer	304	\$7.29	\$7.52		C 4	5.076	\$928	\$30	\$1,038	347.50	<u>ဂ</u> 4	5.076	\$936 \$439	\$30	\$1,046
03 - NMP000032P	Floodlight 250			\$22.01	\$22.08	0.3%	4		\$0	\$88	\$88		4		0\$	\$88	\$88
03 - NMP000049P	Roadway 70			\$18.86	\$18.96		10		\$0	\$189	\$189		10		\$0	\$190	\$190
03 - NMP000097P	Fiberglass, anchor base	e customer		\$25.20	\$25.32	0.5%	4		<b>0</b> \$	\$1,109	\$1,109		4		\$0	\$1,114	\$1,114

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NIAGARA MOHAWK POWER CORPORATION db/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY
Rate Year I Revenue at Present and Proposed Rates
Contract Street Lighting (Customer Contributory Provisions)

	0.4%		Proposed	Annual	Total	Revenue	(d)		0,	\$113				\$616			
	Increase		Proposed	Annual	Facility	Revenue	(0)	\$650	\$1,843	\$113	\$78	\$190	\$51	\$616	\$149	\$717	\$367
			Proposed	Annual	T&D	Revenue	(n)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
				Proposed	Annual	Usage	(m)										
			FY'18	Avg			(1)	10	4	15	3	36	425	1,284	5	24	15
				Non	Leap Y	Burns	(k)	_	_		_	_		_	_	_	
(SIIOIS)			Present	Annual	Total	Revenue	(i)	\$648	\$1,833	\$112	32\$	\$18	\$56	\$629	\$146	\$7.12	\$366
march 1101			Present	Annual	Facility	Revenue	(i)	\$648	\$1,833	\$112	\$78	\$188	\$55	\$629	\$149	\$714	\$365
Contract Succe Lighting (Customer Continuetty) 110 (15)			Present	Annual	T&D	Revenue	(h)	0\$	\$0	\$0	\$0	\$	\$0	\$0	\$0	\$0	\$0
				Present	Annual	Usage	(g)										
riact Street				2016 Avg	Units	Billed	Œ	10	4	15	3	36	425	1284	S	24	15
3			Percent	Change	Facility	Price	(e)	0.3%	%9.0	%6.0	0.3%	1.0%	-7.7%	-2.0%	0.5%	0.5%	0.7%
			Proposed Percent	Annual	Facility	Price	(p)	\$65.04	\$41.88	\$7.56	\$26.16	\$5.28	\$0.12	\$0.48	\$29.88	\$29.88	\$24.48
			Present	Annual	Facility	Price	(c)	\$64.82	\$41.65	\$7.49	\$26.09	\$5.23	\$0.13	\$0.49	\$29.74	\$29.74	\$24.32
			Billed	Watts	per	Lamp	(a)										
	0.08575	0.08646				Ownership	(a)	customer	customer	customer	customer	customer	customer	customer	customer	customer	customer
	Present T&D rate 0.08575	Proposed T&D rate 0.08646	0.83% increase			Description		Fiberglass, anchor base customer	for AB standards, all applications	cable only customer	direct buried cable customer	direct buried cable customer	CR EF Cable Only/ft customer	CR EF DB Cable/ft	Traditional 70 customer	Traditional 100 customer	Traditional 150 customer
			hidden	column used by	SC5PRICES tab	to get RY1 PRICE	I	03 - NMP000099P	03 - NMP000107P	03 - NMP000110P	03 - NMP000111P	03 - NMP000116P	03 - NMP000118P	03 - NMP000119P	03 - NMP000309P	03 - NMP000315P	03 - NMP000321P

\$59,273	-\$51
\$12,240	\$0
TARGET	PROPOSED MINUS TARGET

\$59,222

\$12,240

141,564

141,564 \$ 12,139 \$ 59,020 \$

Annual Total

\$4,045

\$17,577 -\$1

TARGET PROPOSED MINUS TARGET

\$11,396

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C., No. 214 ELECTRICITY
Rate Year I Revenue at Present and Proposed Rates
Service Classification No. 6 - Street Lighting (Customer Owned, Company Maintained)

Proposition   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambor   Lambo	Present T&D rate 0.	0.05906			-		Service Classification (v.b. 0) succe Digiting (Customer Owner), Company Maintained)	···· C L O S E D ····	E D	dunca comb		ì				Increase	0.5%
Prepart   Missa			Dillod	Descent	December	Domocant			Duccount	Ducasant	Descent		EVITO		December	December	December
Figure   Part   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Figure   Fig			Watts	Annual	Annual	Change	2016 Avo	Present	Annual	Annual	Annual	Non	Avo	Pronosed	Annual	Annual	rioposeu Annual
Class   Lamp   Price   Price   Price   Billed   Usage   Revenue   Revenue   Barra   Usage   Revenue   Revenue   Revenue   Barra   Usage   Revenue   Revenue   Revenue   Revenue   Barra   Usage   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue   Revenue	Ξ	>	ber	Facility	Facility	Facility	Units	Annual	T&D	Facility	Total	Leap Yr	Fest	Annual	T&D	Facility	Total
Closed   S6   S791   S792   O.1%   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1   O.1	_		Lamp	Price	Price	Price	Billed	Usage	Revenue	Revenue	Revenue	Burns	Units	Usage	Revenue	Revenue	Revenue
Closed   18   57.91   57.92   0.1%   4   1.380   58.58   58.68   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.75   57.		I	(a)	(3)	(p)	(e)	(f)	(g)	(h)	(i)	9	(k)	(1)	(m)	(u)	(0)	(d)
Closed 18 8 95.74 95.82 0.9% 4 1.380 882 85.68 81.760 81.2 347.50 194 95.460 85.68 81.760 87.48																	
Closed   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   St.   S																	
Closed         118         59.12         0.6%         194         95.460         85.668         81,760         87.140         95.400         85.1760         87.170         97.400         85.668         81,760         87.170         95.400         85.1760         87.170         97.400         85.1760         87.170         97.400         85.1760         87.170         97.200         87.170         87.170         87.170         97.200         87.170         87.170         97.170         97.200         87.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170         97.170		losed	98	\$7.91	\$7.92	0.1%	4	1,380	\$82	\$30	\$112	347.50	4	1,380	\$82	\$30	\$112
Closed         173         99.44         99.64         98.6         41.844         \$2.471         \$55.3         \$3.17.50         58.47.6         58.47.6         58.47.6         58.47.6         58.47.6         58.47.6         58.47.6         58.47.6         58.47.6         58.47.6         58.47.6         58.47.6         58.47.6         58.47.6         58.48.6         58.49.6         58.48.7         58.48.7         58.48.6         58.49.6         58.48.7         58.48.7         58.48.6         58.49.6         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7         58.48.7		Tosed	118	89.07	\$9.12	%9.0	194	95,460	\$5,638	\$1,760	\$7,397	347.50	194	95,460	\$5,666	\$1,769	\$7,435
Closed         394         \$9,28         \$9,28         \$9,28         \$9,28         \$9,28         \$9,28         \$1,968         \$1,968         \$1,968         \$1,968         \$1,968         \$1,968         \$1,978         \$1,978         \$1,978         \$1,978         \$1,978         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199         \$2,199		Tosed	173	89.54	89.60	%9:0	58	41,844	\$2,471	\$553	\$3,025	347.50	28	41,844	\$2,483	\$557	\$3,040
Closed         470         \$813         \$8.16         0.4%         17         33,324         \$1,968         \$13.8         \$2,106         347.50         17         33,324         \$1,978         \$13.9         \$21,07         \$13.3         \$21,07         \$13.3         \$21,07         \$13.3         \$21,07         \$13.3         \$21,07         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         \$21.3         <		Tosed	304	\$9.28	89.36	%6:0	65	82,404	\$4,867	8603	\$5,470	347.50	9	82,404	\$4,891	8098	\$5,499
Closed         353 17         \$53.40         0.4%         11         13,536         \$1,384         347.50         11         13,536         \$893         \$587         \$1,33           Closed         130         \$6.84         \$0.0%         \$2         28,188         \$1,665         \$20.20         347.50         \$5,188         \$1,673         \$556         \$20.20           Closed         130         \$14.37         \$5.56         -47%         \$0         -         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0		Hosed	470	\$8.13	\$8.16	0.4%	17	33,324	\$1,968	\$138	\$2,106	347.50	17	33,324	\$1,978	\$139	\$2,116
Closed         130         \$6.84         \$6.84         0.0%         \$2         28,188         \$1,665         \$35.6         \$2,020         347.50         \$2         28,188         \$1,665         \$35.6         \$20.02         347.50         \$2         \$28,188         \$1,673         \$35.6         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.02         \$20.	)W	Josed	295	\$53.17	\$53.40	0.4%	Ξ	13,536	8799	\$585	\$1,384	347.50	=	13,536	\$803	\$587	\$1,391
Closed 130 \$14.37 \$7.56 -47% 0 - 80 80 80 730.00 - 80 80 730.00 - 80 80 80 80 80 80 80 80 80 80 80 80 80	) W	losed	130	\$6.84	\$6.84	0.0%	52	28,188	\$1,665	\$356	\$2,020	347.50	52	28,188	\$1,673	\$356	\$2,029
0W Closed 130 S14.37 S7.56 -47% 0 - S0 S0 S0 730.00 - S0 S0 730.00 - S0 S0 730.00 - S0 S0 S0 S0 730.00 - S0 S0 S0 S0 S0 S0 S0 S0 S0 S0 S0 S0 S0																	
Closed 86 \$16.62 \$8.76 -47% 0 - 80 \$0 \$0 \$730.00 - 80 \$30 \$0 \$30 \$0 \$0 \$0 \$30 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0																	
Closed 86 \$16.62 \$8.76 -47% 0 - 80 \$0 \$0 \$730.00 - 80 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		Nosed	130	\$14.37	\$7.56	-47%	0		80	80	80	730.00	,	,	80	80	80
Closed 118 \$19.05 \$10.08 -47% 0 - \$0 \$0 \$0 730.00 - \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0		Josed	98	\$16.62	88.76	-47%	0	•	80	So	80	730.00	,	,	80	80	80
Closed 173 \$20.04 \$10.56 47% 0 - \$0 \$0 \$0 730.00 - 80 \$0  Annual Total 401 296,136 \$17,490 \$4,025 \$21,515 \$296,136 \$17,576 \$4,047 \$21,68		losed	118	\$19.05	\$10.08	-47%	0	,	80	80	80	730.00	,	•	80	80	80
401 296,136 \$17,490 \$4,025 \$21,515 296,136 \$17,576 \$4,047		Tosed	173	\$20.04	\$10.56	47%	0		80	80	80	730.00			80	80	80
401 296,136 \$17,490 \$4,025 \$21,515 296,136 \$17,576 \$4,047																	
					Ann	nual Total	401	296,136	\$17,490	\$4,025	\$21,515			296,136	\$17,576	\$4,047	\$21,622

**LED Conversion Project Impacts** 

Impact on Sales Forecast

1 LED Conversion On =1

		Billed	Average			Monthly	FY'18		Total Cumul	Total Cumul	Total Cumul	Proposed	Proposed	Proposed	# Roadway
		Watts	Monthly	2016 Avg	Present	Non	Avg	Proposed	Units Billed	Units Billed	Units Billed	Annual	Annual	Annual	Units as a
		per	Burn	Units	Annual	Leap Yr	Fest	Annual	Impacts	Impacts	Impacts	Usage	Usage	Usage	Jo%
Description	Billcode	Lamp	Hours	Billed	Usage	Burns	Units	Usage	2018-2019	2019-2020	2020-2021	2018-2019	2019-2020	2020-2021	Total Units
		(a)	(p)	(c)	(p)	(e)	(t)	(g)	(h)	Θ	(i)	(k)	€	(m)	(n)
Supra I								Turnan Johing amming John	40.00	a) otor longue =	00/ of the	a longer to too iou	aco oldonollo voc	1/000 go acionor	
LAMPS							<i>-</i> 1	umulative annual data:		= annual rate (5	U% of the Con	Project annual r	10.0% = annual rate (50% of the Conv. Project annual max allowable conversion of 20%)	version of 20%)	
High Pressure Sodium								Conversion Request (10 %/yr)			-40%				
70W	NMP0000001	98	347.50	51,765	18,564,054	347.50	51,765	18,564,054	(7,945)	(11,917)	(15,890)	15,714,890	14,290,308	12,865,726	%2'92
24 HR - 70W	NMP0000018	98	730.00			730.00		,	•	•					76.7%
100W	NMP0000002	118	347.50	99,001	48,714,555	347.50	99,001	48,714,555	(16,165)	(24,248)	(32,330)	40,760,293	36,783,162	32,806,032	81.6%
24 HR - 100W	NMP0000148	118	730.00	45	46,516	730.00	45	46,516	(2)	(11)	(15)	38,920	35,123	31,325	81.6%
150W	NMP0000003	173	347.50	39,195	28.275.905	347.50	39,195	28.275.905	(6.729)	(10	(13,457)	23,421,848	20.994.819	18.567,790	85.8%
24 HR - 150W	NMP0000149	173	730.00	126	190,950	730.00	126	190,950	(22)		(43)	158,170	141,780	125,390	85.8%
250W	NMP0000004	304	347.50	31,174	39,519,079	347.50	31,174	39,519,079	(5,899)	8)	(11,797)	32,041,541	28,302,771	24,564,002	94.6%
24 HR - 250W	NMP0000150	304	730.00	109	290,271	730.00	109	290,271	(21)		(41)	235,348	207,887	180,425	94.6%
400W	NMP0000005	470	347.50	7,351	14,408,042	347.50	7,351	14,408,042	(1,199)	Ξ	(2,397)	12,059,009	10,884,492	9,709,976	81.5%
24 HR - 400W	NMP0000151	470	730.00	. '	. •	730.00	. '	. •				. '		. 1	81.5%
1000W	NMP0000006	1106	347.50	384	1,771,016	347.50	384	1,771,016	(71)	(107)	(143)	1,442,177	1,277,758	1,113,339	92.8%
Metal Halide															
175W		207	347.50	2,487	2,147,041	347.50	2,487	2,147,041	(164)	_	(328)	2,005,288	1,934,412	1,863,535	33.0%
250W	NMP0000008	295	347.50	339	417,226	347.50	339	417,226	(64)		(128)	338,281	298,809	259,336	94.6%
400W	NMP0000009	451	347.50	089	1,278,542	347.50	089	1,278,542	(111)	_	_	1,070,093	965,869	861,645	81.
1000W	NMP0000010	1078	347.50	2	8,991	347.50	2	8,991	(0)	E	(1)	7,321	6,487	5,652	92.8%
Mercury Vapor															
100W	NMP0000012	130	347.50	714	387,195	347.50	714	387,195	(117)			323,973	292,361	260,750	81.6%
175W	NMP0000013	211	347.50	1,566	1,377,730	347.50	1,566	1,377,730	(103)			1,286,769	1,241,288	1,195,808	33.0%
400W	NMP0000015	477	347.50	444	883,487	347.50	444	883,487	(72)	(109)	(145)	739,447	667,427	595,407	81.5%
1000W	NMP0000017	1095	347.50	S	22,831	347.50	5	22,831	(1)	(£)	(2)	18,592	16,472	14,352	92.8%
					158,303,431		235,389	Reductions	(38,690)	(58,034)	(77,379)	131,661,961	118,341,226	105,020,491	
L E D LUMINAIRES															
LL Roadway LED-A	NMPLEDRWYA	0	347.50			347.50									
LL Roadway LED-B	NMPLEDRWYB	25	347.50			347.50			16,086	24,129	32,171	1,676,937	2,515,405	3,353,874	70, 50%100
LL Roadway LED-C	NMPLEDRWYC	48	347.50			347.50	•		15,137	22,706	30,274	3,029,841	4,544,762	6,059,682	50%100,175
LL Roadway LED-D	NMPLEDRWYD	96	347.50			347.50			5,963	8,944	11,926	2,387,018	3,580,528	4,774,037	250
LL Roadway LED-E	NMPLEDRWYE	0	347.50			347.50	٠	1							
LL Roadway LED-F	NMPLEDRWYF	210	347.50			347.50			1,454	2,182	2,909	1,273,618	1,910,427	2,547,236	400, 1000
LED 24 Hr Burn LED "C"		48	730.00			730.00			20	74	66	20,857	31,285	41,713	
Pricing Exception Incand Usage	Usage				71,610			71,610				71,610	71,610	71,610	
Incandescent Lamp/Luminaires	naires			ļ	251,185		Į				•	248,775	248775	248775	
TOTALS					158,626,226			158,626,226 Additions	38,690	58,034	77,379	140,370,617	131,244,018	122,117,418	
							l			Cumulative Reduction kWhs	duction kWhs Cumulative %	(18,255,609)	(27,382,208)	(36,508,808)	
										ner vear	-5.8%	0		1	

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NIAGARA MOHAWK POWER CORPORATION db/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY
Rate Year I Revenue at Present and Proposed Rates
Replacement Cost Analysis
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Solve for equal % movement to Repl

HPS Roadway Lamps & Luminaires	s & Luminaires				0.4% Ta	0.4% Target % Increase				Proposed %	Adineted	Adineted	Adjusted Price
	Component	Current Price	Units	Current Revenue	Target Price	Target Revenue	Rep	Replacement Cost	Replacement Revenue	to Replace Cost	Target Price	Target Revenue	to Replace Cost
		;		!		1							
70W	NMP0000001	87.99	7,945	\$63,479	8.02 \$	63,725	se	10.36	\$82,284		8.04 \$	63,882	
100W	NMP0000002	87.99	16,165	\$129,160	8.02 \$	129,661	S	10.36	\$167,422		8.04 \$	129,981	
150W	NMP0000003	87.99	6,729	\$53,761	8.02 \$	53,970	S	10.36	869,687		8.04 \$	54,103	
250W	NMP0000004	\$8.17	5,899	\$48,192	8.20 \$	48,378	S	10.36	\$61,091		8.22 \$	48,498	
400W	NMP0000005	\$8.17	1,199	\$9,792	8.20 \$	9,830	S	10.36	\$12,413		8.22 \$	9,854	
1000W	NMP0000006	\$16.43	71	\$1,171	16.49 \$		S	10.36	\$738		16.53 \$	1,179	
		l	38,007										
										% SdH	%9.0		
Roadway 70	NMP000049P	\$53.65	7,945	\$426,239	53.86 \$	427,891	S	209.36	\$1,663,296		53.99 \$	428,948	
Roadway 100	NMP000050P	\$53.65	16,165	\$867,264	53.86 \$	870,626	S	209.36	\$3,384,296		53.99 \$	872,778	
Roadway 150	NMP000051P	\$54.81	6,729	\$368,793	55.02 \$	370,222	- 8	209.36	\$1,408,670			371,137	
Roadway 250	NMP000052P	\$63.01	5,899	\$371,671	63.25 \$	373,111	S	209.36	\$1,234,911		63.41 \$	374,034	
Roadway 400	NMP000302P	\$63.01	1,199	\$75,520	63.25 \$		S	209.36	\$250,924		63.41 \$	76,001	
Roadway, 1000	NMP000053P	\$126.21	71	88,999	126.70 \$		S	209.36	\$14,927		127.01 \$	9,056	
		İ	38,007										
	Total HPS Lamp & Lumiaire	ηρ & Lumiaire		\$2,424,042		\$2,433,437			\$8,350,660	0.16%	-,	\$2,439,452	0.26%
		% of replacement	ement cost	29%		0.4%						0.64%	
LED													
										CED %	0.21%		
LL Roadway LED-B	NMPLEDRWYB	83.83	12,055	\$1,010,572	84.15 \$		S	160.65	\$1,936,654			1,012,739	
LL Roadway LED-C	NMPLEDRWYC	88.52	18,784	\$1,662,723	\$ 98.88	1,669,168	S	163.04	\$3,062,463		88.71 \$	1,666,289	
LL Roadway LED-D	NMPLEDRWYD	110.09	5,899	\$649,377	110.52 \$	651,894	S	179.04	\$1,056,079		110.33 \$	650,770	
LL Roadway LED-F	NMPLEDRWYF	119.16	1,270	\$151,315	119.62 \$	151,902	S	224.84	\$285,511		119.42 \$	151,640	
			38,007										
		Total LED		\$3,473,987		\$3,487,452			\$6,340,708	0.47%	-,	\$3,481,438	0.26%
		% of replacement	ement cost	25%		0.4%						0.21%	
		GRAND TO	D TOTAL	\$5,898,028	Target Revenue	\$5,920,889			\$14,691,368	Tar	Target Revenue	\$5,920,889	
					Total Increase	0.4%						0.39%	
									R	Ratio LED% to HPS %	33.74%		

### NIAGARA MOHAWK POWER CORPORATION dibé NATIONAL GRID P.S.C. No. 214 ELECTRICITY Development of Proposed Lighting Service Charge Service Classifications No. 2, 3, and 6

<b>\$129.15</b> 19.1%	Present Lighting Service Charge: Proposed Change	sent Lighting 9	Pre					Dept) 6 TPC	<ol> <li>(Paul Jenkins, Transportation Dept)</li> <li>(#24 below) 90% OPC &amp; 10% TPC</li> <li>(44.7%</li> </ol>	(Paul Jenkins, (#24 below) 9	\$ 15.89 \$ 15.10 44.7%	Hourly Aerial Truck rate \$ Prorated Truck Cost \$ Calculated Transp OH %
\$153.82	vice Charge:	Proposed Lighting Service Charge:	Proposed									Transportation OH % Calculation
\$153.82			\$92.67					\$40.93			\$38.76	
\$9.13	25.0%		\$7.30		29.0% 7.878%	29.0%		\$5.25		\$5.00 4.9542%	\$5.00	Miscellaneous material (storeroom)  Material Direct from Vendor
												Primary material (storeroom)
\$144.69	25.0%	%00.06	\$85.37	44.71%			94.50%	\$35.69	5.707%		\$33.76	Company Labor Cost
												Contractor/Consultant Cost
(12)	(11)	(10)	(6)	(8)	(7)	(9)	(5)	(4)	(3)	(2)	(1)	•
Cost:	Admin	Overhead %	Subtotal	Overhead %	Tax %	Handling %	Direct Cost Overhead % Handling %	Direct Cost	Factor 2	Factor 1	Direct Cost	
Installation	r Capital Supervision & Installation	Capital	Rate Year	Equipment	Sales	Stores	Labor	Rate Year	Inflation	Inflation	Test Year	
Grand Total	•			Transportation								
Rate Year												I

Cost before inflation and OH; see below for Test Year Company Labor Cost calculation.
 Source: APM-11.
 Source: Calculated Labor inflation Rate from Contract Years to RY
 Equal to column (1), plus column (1) times the greater of columns (2) and (3)
 Source: Steve Harris
 Source: Steve Harris

(7) Source: Steve Harris

(8) Calculated above
(9) Equal to column (4), plus column (4) times the sum of columns (5) through (8)
(10) Source: Steve Harris
(11) Source: Steve Harris
(12) Equal to column (9), plus column (9) times the sum of columns (10) and (11)

1 est y ear Company Labor Cost Calculation	alculation									
		Hourly Rate	Hourly Rate			Non-		Cost Before	Assumed	Prorated
	Pay Groups	First Pay	Second Pay	Cost per	Wrench	Productive	Total	Design &	Frequency	Company
Possible Crew Type	(first, second)	Group	Group	Hour	Hours	Time Adder	Hours		of Crew Use La	Labor Cost
(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
One person crew, Metro	61	\$37.96		\$37.96	0.50	20%	0.75	\$28.47	58.5%	\$16.65
Two person crew, Metro	19, 21	\$37.96	\$41.79	\$79.75	0.50	20%	0.75	\$59.81	6.5%	\$3.89
One person crew, Districts	ChLMAHS	\$45.98		\$45.98	0.50	20%	0.75	\$34.49	31.5%	\$10.86
Two person crew, Districts	ChLMAHS, 22	\$45.98	\$43.76	\$89.74	0.50	20%	0.75	\$67.31	3.5%	\$2.36
									Sum	\$33.76

Source: Wayne Cole, OH Manager, Western New York.
 Source: Wayne Cole, OH Manager, Western New York.
 Source: Blue Contract Book; Wages effective 4/1/2016
 Source: Blue Contract Book; Wages effective 4/1/2016
 Column (15) plus column (16)
 Assumption: One half hour of wrench time for typical work performed per location.

(20) Column (18) plus the product of column (18) and column (19)
(21) Column (20) times column (17)
(22) Assumptions: 90% of work performed by a one-person crew; 65% performed in metro areas.
(23) Column (21) times column (22)

Factor		1.02500	1.05063	1.07689
te Incease		2.5%	2.5%	2.5%
Contract Year Rate Incease Factor		Apr-2014	Apr-2015	Apr-2016
ages effective 4/1/2013 per page 242 of "Schedule of Revised Group Life Insurance" in the "Blue Contract Book"		38.81		40.64
d Grou		S		s
of Revise	35.25	35.25	42.70	42.70 \$
edule	S	S	S	2
page 242 of "Sch	61	19, 21	ChLMAHS \$	ChLMAHS, 22
Hourly Wages effective 4/1/2013 per	One person crew, Metro	Two person crew, Metro	One person crew, Districts	Two person crew, Districts

365 4,170

Days/Year Burn Hours/Year

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# NIAGARA MOHAWK POWER CORPORATION d'bba NATIONAL GRID P.S.C. No. 214 ELECTRICITY Rate Year 1 Revenue at Present and Proposed Rates Development of Proposed Outage Credit Allowance Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

		(1)	(2)	(3)	(4)	(5)	(9)	(7)	(8)	(6)	(10)	(11)	(12)
	Present	Billed Watts	Annual kWh		Percent of	Proposed Annual	Proposed Annual	Forecast Annual	Forecast	Gross	Total	Average	Prorated Average
	Facility	Per	Per	Forecast	Total	Facility	T&D	Commodity	Delivery	Receipts	Annual	Charge	Charge
Dusk-to-Dawn Lamp	Class	Lamp	Lamp	Units	Units	Charge	Charge	Charge	Adjustments	Tax	Charge	Per Night	Per Night
:- :													
High Pressure Sodium	,			:	;		,	,	:	;		;	
70W	Standard	98	329	43,820	18.6%	\$8.04	\$31.04	\$12.32	\$2.48	\$0.54	\$54.42	\$0.15	\$0.02796
100W	Standard	118	492	82,836	35.2%	\$8.04	\$42.54	\$16.88	\$3.39	\$0.72	\$71.57	\$0.20	\$0.07047
150W	Standard	173	721	32,467	13.8%	\$8.04	\$62.34	\$24.73	\$4.97	\$1.01	\$101.09	\$0.28	\$0.03867
250W	Standard	304	1,268	25,276	10.8%	\$8.16	\$109.63	\$43.50	\$8.74	\$1.72	\$171.75	\$0.47	\$0.05053
400W	Standard	470	1,960	6,153	2.6%	\$8.16	\$169.46	\$67.24	\$13.52	\$2.61	\$260.99	\$0.72	\$0.01884
1000W	Closed	1106	4,612	313	0.1%	\$16.44	\$398.75	\$158.21	\$31.80	\$6.11	\$611.31	\$1.67	\$0.00222
Metal Halide													
175W	Standard	207	863	2,323	1.0%	\$56.40	\$74.61	\$29.61	\$5.95	\$1.68	\$168.25	\$0.46	\$0.00455
250W	Standard	295	1,230	275	0.1%	\$56.40	\$106.35	\$42.20	\$8.48	\$2.16	\$215.59	\$0.59	\$0.00069
400W	Standard	451	1,881	569	0.2%	\$50.88	\$162.63	\$64.53	\$12.97	\$2.94	\$293.95	\$0.81	\$0.00196
1000W	Closed	1078	4,495	2	%0.0	\$54.48	\$388.64	\$154.20	\$31.00	\$6.35	\$634.67	\$1.74	\$0.00001
Mercury Vapor													
100W	Obsolete	130	542	869	0.3%	\$6.84	\$46.86	\$18.59	\$3.74	\$0.77	876.80	\$0.21	\$0.00053
175W	Obsolete	211	880	1,462	%9.0	\$6.84	\$76.08	\$30.19	\$6.07	\$1.20	\$120.38	\$0.33	\$0.00205
400W	Obsolete	477	1,989	372	0.2%	\$7.20	\$171.97	\$68.23	\$13.72	\$2.64	\$263.76	\$0.72	\$0.00114
1000W	Obsolete	1095	4,566	4	%0.0	\$13.08	\$394.78	\$156.64	\$31.49	\$6.02	\$602.01	\$1.65	\$0.00003
LED													
LL Roadway LED-B	Standard	25	104	16,086	%8.9	\$83.88	88.99	\$3.57	\$0.72	86.08	\$98.14	\$0.27	\$0.01847
LL Roadway LED-C	Standard	48	200	15,137	6.4%	\$88.68	\$17.29	\$6.86	\$1.38	\$1.15	\$115.36	\$0.32	\$0.02060
LL Roadway LED-D	Standard	96	400	5,963	2.5%	\$110.28	\$34.58	\$13.72	\$2.76	\$1.63	\$162.97	\$0.45	\$0.01141
LL Roadway LED-F	Standard	210	928	1,454	%9.0	\$119.28	\$75.74	\$30.05	\$6.04	\$2.33	\$233.44	\$0.64	\$0.00396
I			Total	235,109	100.0%			Pro	Proposed SC-2 Outage Credit per Lamp per Night:	Outage Cre	dit per Lam	p per Night:	\$0.27

0.08646
a
rate
T&D
Base
Proposed

	0.03075	0.00026	0.00330	0.034305		1.0101%	
Forecast Commodity Charges (2)	Electricity Supply Cost (Weighted)	Merchant Function Charge	Electricity Supply Reconciliation Mechanism	Sum		Revenue Tax on Delivery and Commodity Bill 1.0101%	
Forecast Volumetric Delivery Adjustments (b)	DLM Surcharge 0.00006	Legacy Transition Charge 0.001162	Renewable Portfolio Surcharge 0.000000	System Benefit Charge 0.005701	Incremental Statement Assessment Surcharge 0.000000	Transmission Revenue Adjustment -0.00002	0.00690 Sum

<sup>(</sup>a) Source: Appendix 2, Schedule 8.2a (b) Source: Appendix 2, Schedule 8.14a

# NIAGARA MOHAWK POWER CORPORATION d'bba NATIONAL GRID P.S.C. No. 214 ELECTRICITY Rate Year 1 Revenue at Present and Proposed Rates Development of Proposed Outage Credit Allowance Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)

		(1) Billad	(2)	(3)	(4)	(5) Drongead	(6)	(7) Forecet	(8)	(6)	(10)	(11)	(12) Prorested
	Present	Watts	kWh		of	Annual	Annual	Annual	Forecast	Gross	Total	Average	Average
Dusk-to-Dawn Lamp	Facility Class	Per Lamp	Per Lamp	Forecast Units	Total Units	Facility Charge	T&D Charge	Commodity Charge	Delivery Adjustments	Receipts Tax	Annual Charge	Charge Per Night	Charge Per Night
High Pressure Sodium	Standard	8	359	see note	22 3%	e/u	\$21.31	\$12.32	\$2.48	98 08	83647	\$0.10	\$0.0230
100W	Standard	118	492	see note	42.2%	n/a	\$29.20	\$16.88	\$3.39	\$0.50	\$49.97	\$0.14	\$0,05903
150W	Standard	173	721	see note	16.5%	n/a	\$42.79	\$24.73	\$4.97	\$0.73	\$73.22	\$0.20	\$0.03305
250W	Standard	304	1,268	see note	12.9%	n/a	\$75.26	\$43.50	\$8.74	\$1.29	\$128.79	\$0.35	\$0.04503
400W	Standard	470	1,960	see note	3.1%	n/a	\$116.33	\$67.24	\$13.52	\$1.99	\$199.08	\$0.55	\$0.01722
1000W	Closed	1,106	4,612	see note	0.2%	n/a	\$273.72	\$158.21	\$31.80	\$4.68	\$468.41	\$1.28	\$0.00204
Metal Halide													
175W	Standard	207	863	see note	1.2%	n/a	\$51.22	\$29.61	\$5.95	\$0.88	887.66	\$0.24	\$0.00284
250W	Standard	295	1,230	see note	0.1%	n/a	\$73.00	\$42.20	\$8.48	\$1.25	\$124.93	\$0.34	\$0.00048
400W	Standard	451	1,881	see note	0.3%	n/a	\$111.64	\$64.53	\$12.97	\$1.91	\$191.05	\$0.52	\$0.00151
1000W	Closed	1078	4,495	see note	%0.0	n/a	\$266.78	\$154.20	\$31.00	\$4.57	\$456.55	\$1.25	\$0.00001
Mercury Vapor													
100W	Obsolete	130	542	see note	0.3%	n/a	\$32.17	\$18.59	\$3.74	\$0.55	\$55.05	\$0.15	\$0.00046
175W	Obsolete	211	880	see note	0.7%	n/a	\$52.23	\$30.19	\$6.07	\$0.89	\$89.38	\$0.24	\$0.00179
400W	Obsolete	477	1,989	see note	0.2%	n/a	\$118.05	\$68.23	\$13.72	\$2.02	\$202.02	\$0.55	\$0.00104
1000W	Obsolete	1095	4,566	see note	%0.0	n/a	\$270.99	\$156.64	\$31.49	\$4.64	\$463.76	\$1.27	\$0.00003
ı			Total		100.0%			Pro	Proposed SC-3 Outage Credit per Lamp per Night:	Outage Cre	dit per Lam	p per Night:	\$0.19
Propo	Proposed Base T&D rate (a)	D rate (a)	0.05935										
Forecast Volumetric Delivery Adjustments (b)	elivery Adius	tments (b)				Forecast	Forecast Commodity Charges (2)	Charges (2)				Days/Y ear	365
	DLM	DLM Surcharge	90000.0	•		Electricity	Supply Cost	Electricity Supply Cost (Weighted)	0.03075		Burn	Burn Hours/Year	4,170
Le	Legacy Transition Charge	on Charge	0.001162		i	Ŭ,	erchant Func	Merchant Function Charge	0.00026				
Renewa	Renewable Portfolio Surcharge	Surcharge	0.00000.0		Electricit	y Supply Re	conciliation	Electricity Supply Reconciliation Mechanism	0.00330				
S Incremental Statement	System Benefit Charge		0.005701					Sum	0.034305				
Transmissi	Transmission Revenue Adjustment				Revenue T	ax on Deliv	ery and Cor	Revenue Tax on Delivery and Commodity Bill	1.0101%				
		Sum	0.00690										

(a) Source: Appendix 2, Schedule 8.2a (b) Source: Appendix 2, Schedule 8.14a

NOTE: Since quantities are unknown in SC3, a weighted % based upon the SC2 data is used.

Rate Year 1 Revenue at Present and Proposed Rates Development of Proposed Outage Credit Allowance

# Service Classification No. 6 - Street Lighting (Customer Owned, Company Maintained)

\$0.23	p per Night:	dit per Lam	utage Cre	Proposed SC-6 Outage Credit per Lamp per Night:	Pro			100.0%	401	Total			
\$0.02205	\$0.17	\$61.96	\$0.62	\$3.74	\$18.59	\$32.17	\$6.84	13.0%	52	542	130	Closed	Mercury Vapor 100W
\$0.01345	\$0.49	\$178.87	\$1.79	\$8.48	\$42.20	\$73.00	\$53.40	2.7%	11	1,230	295	Closed	Metal Halide 250W
\$0.02417	\$0.57	\$207.32	\$2.07	\$13.52	\$67.24	\$116.33	\$8.16	4.2%	17	1,960	470	Closed	400W
\$0.06162	\$0.38	\$138.24	\$1.38	\$8.74	\$43.50	\$75.26	\$9.36	16.2%	92	1,268	304	Closed	250W
\$0.03328	\$0.23	\$82.92	\$0.83	\$4.97	\$24.73	\$42.79	89.60	14.5%	28	721	173	Closed	150W
\$0.07744	\$0.16	\$59.18	\$0.59	\$3.39	\$16.88	\$29.20	\$9.12	48.4%	194	492	118	Closed	100W
\$0.00115	\$0.12	\$44.47	\$0.44	\$2.48	\$12.32	\$21.31	\$7.92	1.0%	4	359	98	Closed	High Pressure Sodium 70W
Per Night	Per Night	Charge	Tax	Adjustments	Charge	Charge	Charge	Units	Units	Lamp	Lamp	Class	Dusk-to-Dawn Lamp
Charge	Charge	Annual	Receipts	Delivery	Commodity Delivery	T&D	Facility	Total	Forecast	Per	Per	Facility	
Average	Average	Total	Gross	Forecast	Annual	Annual	Annual	Jo	Monthly	kWh	Watts	Present	
Prorated					Forecast	Proposed	Proposed	Percent	Avg	Annual	Billed		
(12)	(11)	(10)	(6)	(8)	(7)	(9)	(5)	(4)	(3)	(2)	(1)		

Proposed Base T&D rate (a) 0.05935

0.03075 0.00026 0.00330 0.034305 Revenue Tax on Delivery and Commodity Bill 1.0101% Electricity Supply Cost (Weighted) Merchant Function Charge Electricity Supply Reconciliation Mechanism Forecast Commodity Charges (2) DLM Surcharge 0.00006 Legacy Transition Charge 0.001162 Renewable Portfolio Surcharge 0.000000 System Benefit Charge 0.005701 Incremental Statement Assessment Surcharge 0.000000 Transmission Revenue Adjustment -0.00002 Sum 0.00690 Forecast Volumetric Delivery Adjustments (b)

365 4,170

Burn Hours/Year Days/Year

(a) Source: Appendix 2, Schedule 8.2a (b) Source: Appendix 2, Schedule 8.14a

Case 17-E-0238 Appendix 2 Schedule 8.14a Page 1 of 9

### NIAGARA MOHAWK POWER CORPORATION db/a NATIONAL GRID P.S.C. NO. 214 ELECTRICITY Present and Proposed Volumetric Rates for Customer Impact Analysis RATE YEAR 1

		Rate Year	ear 1 (FY 2019)	1 (FY 2019) at Present Rates	s	Rate Yea	ır 1 (FY 2019) a	Rate Year 1 (FY 2019) at Proposed Rates	SS		Percentage Change in Rate	inge in Rate	
		SC-1 SC	SC-2/Contract	SC-3/SC-6	SC-4	SC-1 Sc	SC-2/Contract	SC-3/SC-6	SC-4	SC-1	SC-2/Contract	SC-3/SC-6	SC-4
ప	COMMODITY RATES												
Note	Electricity Supply Cost - Western	0.02666	0.02666	0.02666	0.03366	0.02666	0.02666	0.02666	0.03366	0.0%	0.0%	0.0%	0.0%
Ξ	Electricity Supply Cost - Central	0.02629	0.02629	0.02629	0.03192	0.02629	0.02629	0.02629	0.03192	0.0%	0.0%	%0.0	%0.0
(1)	Electricity Supply Cost - Eastem	0.03929	0.03929	0.03929	0.04443	0.03929	0.03929	0.03929	0.04443	%0.0	0.0%	%0.0	%0.0
(2)	MFC (Merchant Function Charge)	0.00012	0.00012	0.00012	0.00012	0.00026	0.00026	0.00026	0.00026	114.6%	114.6%	114.6%	114.6%
(3)	MFC (Merchant Function Charge %) ESRM & CESS	0.433%	0.433%	0.433%	0.433%	0.697%	0.697%	0.697%	0.697%	61.0%	61.0%	61.0%	61.0%
	TOTAL COMMODITY (WESTERN)	0.030195	0.030195	0.030195	0.037227	0.030403	0.030403	0.030403	0.037453	0.7%	0.7%	0.7%	%9'0
	TOTAL COMMODITY (CENTRAL)	0.029829	0.029829	0.029829	0.035484	0.030035	0.030035	0.030035	0.035706	0.7%	0.7%	0.7%	%9.0
	TOTAL COMMODITY (EASTERN)	0.042880	0.042880	0.042880	0.048048	0.043121	0.043121	0.043121	0.048303	%9.0	%9.0	0.6%	0.5%
ā	DEI IVERV RATTES												
⊕ ∰	Base T&D Rates	0.08787	0.08575	0.05906	0.01075	0.08646	0.08646	0.05935	0.01080	-1.6%	%8:0	0.5%	0.5%
(5)	ргм	0.000057	0.000057	0.000057	0.000057	0.000057	0.000057	0.000057	0.000057	0.0%	%0.0	%0.0	%0.0
(9)	LTC (Legacy Transition Charge)	0.001162	0.001162	0.001162	0.001162	0.001162	0.001162	0.001162	0.001162	0.0%	%0.0	%0.0	%0.0
(7)	SBC w/ EE (System Benefit Charge)	0.007511	0.007511	0.007511	0.007511	0.005701	0.005701	0.005701	0.005701	-24.1%	-24.1%	-24.1%	-24.1%
8	Clean Energy Supply - Deilvery	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	%0.0	0.0%	%0.0	%0.0
(6)	Transmission Revenue Adjustment (TRA)	-0.000098	-0.000098	-0.000098	-0.000098	-0.000025	-0.000025	-0.000025	-0.000025	0.0%	%0.0	%0.0	%0.0
	DELIVERY SUM	0.096502	0.094382	0.067692	0.019382	0.093356	0.093356	0.066246	0.017696	-3.3%	-1.1%	-2.1%	-8.7%
	TOTAL VOLUMETRIC RATE (WESTERN) TOTAL VOLUMETRIC RATE (CENTRAL) TOTAL VOLUMETRIC RATE (EASTERN)	0.126697 0.126331 0.139382	0.124577 0.124211 0.137262	0.097887 0.097521 0.110572	0.056609 0.054866 0.067430	0.123759 0.123391 0.136477	0.123759 0.123391 0.136477	0.096649 0.096281 0.109367	0.055149 0.053401 0.065998	-2.3% -2.3% -2.1%	-0.7% -0.7% -0.6%	-1.3% -1.3% -1.1%	-2.6% -2.7% -2.1%

<sup>(1)</sup> Company forecast supporting Appendix 2, Schedule 2
(2) Appendix 2, Schedule 7.1
(3) Forecast ESRM is set to zero for reconciliation adjustments, plus CESS.
(4) Appendix 2, Schedule 8.1a
(5) to (9) Forecast rates are from Appendix 2, Schedule 4

Average Total Bill Percent Increases by Service Class RY1

Increase on T&D & Facility Revenue	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
Average II Percent o Total Bill 8 Increase	0.4%	0.4%	0.3%	0.3%	0.5%	0.3%	0.4%
Revenue Requirement Increase	\$17,439	\$240,654	\$2,693	\$4,670	\$354	\$107	265,919
Present R Total Bill	\$4,407,600	\$54,172,405	\$917,291	\$1,360,018	\$77,059	\$33,858	60,968,231 \$
Present Commodity	\$718,320 16%	\$4,638,235 9%	\$298,496 33%	\$344,779 25%	\$4,678 6%	\$9,786 29%	6,014,295 \$
Present T&D Surcharges	\$187,627 4%	\$1,211,520 2%	\$77,968 8%	\$77,432 6%	\$1,222 2%	\$2,556 8%	1,558,326 \$
Present Facility Ta	\$1,591,691 36%	\$36,287,451 67%	\$7,371 1%	\$841,377 62%	\$59,020 77%	\$4,025 12%	38,790,937 \$
Present T&D	\$1,909,963 43%	\$12,035,199 22%	\$533,456 58%	\$96,431 7%	\$12,139 16%	\$17,490 52%	\$ 14,604,679 \$
Present Usage	21,736,230	140,352,171	9,032,444	8,970,329	141,564	296,136	180,528,874 \$
ı	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	

	SC1 Customer Bill Impact Analysis RY1										
			# cust	% of cust		\$ Impact	Ιm	npact/cust			
Decrease of		<-10%	0	0.0%	\$	-					
Decrease of	-10%	-9%	0	0.0%	\$	-					
Decrease of	-9%	-8%	0	0.0%	\$	-					
Decrease of	-8%	-7%	0	0.0%	\$	-					
Decrease of	-7%	-6%	0	0.0%	\$	-					
Decrease of	-6%	-5%	3	0.0%	\$	(55)	\$	(18)			
Decrease of	-5%	-4%	11	0.2%	\$	(367)	\$	(33)			
Decrease of	-4%	-3%	131	2.1%	\$	(1,890)	\$	(14)			
Decrease of	-3%	-2%	679	11.1%	\$	(7,957)	\$	(12)			
Decrease of	-2%	-1%	505	8.3%	\$	(13,177)	\$	(26)			
Decrease of	-1%	0%	911	14.9%	\$	(7,148)	\$	(8)			
Increase of	0%	1%	518	8.5%	\$	2,023	\$	4			
Increase of	1%	2%	308	5.1%	\$	3,768	\$	12			
Increase of	2%	3%	1612	26.4%	\$	13,446	\$	8			
Increase of	3%	4%	1157	19.0%	\$	9,435	\$	8			
Increase of	4%	5%	263	4.3%	\$	1,946	\$	7			
Increase of	5%	6%	0	0.0%	\$	-					
Increase of	6%	7%	0	0.0%	\$	-					
Increase of	7%	8%	0	0.0%	\$	-					
Increase of	8%	9%	0	0.0%	\$	-					
Increase of	9%	10%	0	0.0%	\$	-					
Increase of	10%	11%	0	0.0%	\$	-					
Increase of	11%	12%	0	0.0%	\$	-					
Increase of	12%	13%	0	0.0%	\$	-					
Increase of	13%	14%	0	0.0%	\$	-					
Increase of	14%	15%	0	0.0%	\$	-					
Increase of	15%	16%	0	0.0%	\$	-					
Increase of	16%	17%	0	0.0%	\$	-					
Increase of	17%	18%	0	0.0%	\$	-					
Increase of	18%	19%	0	0.0%	\$	-					
Increase of	19%	20%	0	0.0%	\$	-					
Increase of	20%	23%	0	0.0%	\$	-					
Increase of	23%	26%	0	0.0%	\$	-					
Increase of		>30%	0	0.0%	\$	-					
	,			4000	_						
Totals	(annual i	mpact)	6098	100%	\$	26	\$	0			

	SC2 Customer Bill Impact Analysis RY1										
			# cust	% of cust		\$ Impact	lm	pact/cust			
Decrease of		<-10%	0	0%	\$	-					
Decrease of	-10%	-9%	0	0%	\$	-					
Decrease of	-9%	-8%	0	0%	\$	-					
Decrease of	-8%	-7%	0	0%	\$	-					
Decrease of	-7%	-6%	0	0%	\$	-					
Decrease of	-6%	-5%	0	0%	\$	-					
Decrease of	-5%	-4%	0	0%	\$	-					
Decrease of	-4%	-3%	34	4%	\$	(1,918)	\$	(56)			
Decrease of	-3%	-2%	39	5%	\$	(4,588)	\$	(118)			
Decrease of	-2%	-1%	52	7%	\$	(13,217)	\$	(254)			
Decrease of	-1%	0%	171	22%	\$	(100,687)	\$	(589)			
Increase of	0%	1%	261	34%	\$	61,262	\$	235			
Increase of	1%	2%	203	27%	\$	39,708	\$	196			
Increase of	2%	3%	3	0%	\$	4,802	\$	1,601			
Increase of	3%	4%	1	0%	\$	2,885	\$	2,885			
Increase of	4%	5%	0	0%	\$	-					
Increase of	5%	6%	0	0%	\$	-					
Increase of	6%	7%	0	0%	\$	-					
Increase of	7%	8%	0	0%	\$	-					
Increase of	8%	9%	1	0%	\$	118	\$	118			
Increase of	9%	10%	0	0%	\$	-					
Increase of	10%	11%	0	0%	\$	-					
Increase of	11%	12%	0	0%	\$	-					
Increase of	12%	13%	0	0%	\$	-					
Increase of	13%	14%	0	0%	\$	-					
Increase of	14%	15%	0	0%	\$	-					
Increase of	15%	16%	0	0%	\$	-					
Increase of	16%	17%	0	0%	\$	-					
Increase of	17%	18%	0	0%	\$	-					
Increase of	18%	19%	0	0%	\$	-					
Increase of	19%	20%	0	0%	\$	-					
Increase of	20%	23%	0	0%	\$	-					
Increase of	23%	26%	0	0%	\$	-					
Increase of		>30%	0	0%	\$	-					
Totals	(annual i	mpact)	765	100%	\$	(11,637)	\$	(15)			

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Increase of	20%	23%	0	0.0%	\$	-	
Increase of	23%	26%	0	0.0%	\$	-	
Increase of		>30%	0	0.0%	\$	-	
	(annual i		6	100%	\$ <b>\$</b>	(2,268)	\$ (;

	30	56 Custor		pact Analy	SIS		,
			# cust	% of cust		\$ Impact	Impact/cust
Decrease of	/	<-10%	0	0.0%	\$	-	
Decrease of	-10%	-9%	0	0.0%	\$	-	
Decrease of	-9%	-8%	0	0.0%	\$	_	
Decrease of	-8%	-7%	0	0.0%	\$	_	
Decrease of	-7%	-6%	0	0.0%	\$	-	
Decrease of	-6%	-5%	0	0.0%	\$	-	
Decrease of	-5%	-4%	0	0.0%	\$	-	
Decrease of	-4%	-3%	0	0.0%	\$	-	
Decrease of	-3%	-2%	0	0.0%	\$	-	
Decrease of	-2%	-1%	0	0.0%	\$	-	
Decrease of	-1%	0%	0	0.0%	\$	-	
Increase of	0%	1%	9	100.0%	\$	166	\$ 18
Increase of	1%	2%	0	0.0%	\$	_	
Increase of	2%	3%	0	0.0%	\$	-	
Increase of	3%	4%	0	0.0%	\$	_	
Increase of	4%	5%	0	0.0%	\$	-	
Increase of	5%	6%	0	0.0%	\$	_	
Increase of	6%	7%	0	0.0%	\$	_	
Increase of	7%	8%	0	0.0%	\$	_	
Increase of	8%	9%	0	0.0%	\$	-	
Increase of	9%	10%	0	0.0%	\$	_	
Increase of	10%	11%	0	0.0%	\$	_	
Increase of	11%	12%	0	0.0%	\$	-	
Increase of	12%	13%	0	0.0%	\$	-	
Increase of	13%	14%	0	0.0%	\$	-	
Increase of	14%	15%	0	0.0%	\$	-	
Increase of	15%	16%	0	0.0%	\$	-	
Increase of	16%	17%	0	0.0%	\$	-	
Increase of	17%	18%	0	0.0%	\$	-	
Increase of	18%	19%	0	0.0%	\$	-	
Increase of	19%	20%	0	0.0%	\$	-	
Increase of	20%	23%	0	0.0%	\$	-	
Increase of	23%	26%	0	0.0%	\$	-	
Increase of		>30%	0	0.0%	\$	_	
Totals	(annual i	impact)	9	100%	\$	166	\$ 18

### **Customers with Price Exception's Total Bills Impacts RY1**

Price Exception Customer	Impact %	Impact \$
AMHERST CENTRAL SCHOOL DIST	-0.83%	\$ (119)
CHAUTAUQUA UTILITY DIST	1.47%	\$ 798
CITY OF BUFFALO	0.22%	\$ 21,343
CITY OF SCHENECTADY	0.20%	\$ 1,910
CITY OF SYRACUSE DPW	-0.28%	\$ (12,297)
CITY OF UTICA DPW	-0.67%	\$ (11,654)
MUSEUM OF SCIENCE & TEC	8.86%	\$ 118
TOWN OF AMHERST	-0.32%	\$ (11,069)
TOWN OF QUEENSBURY	-0.36%	\$ (641)
TOWN OF TONAWANDA	-0.07%	\$ (1,614)
VILLAGE OF KENMORE	0.85%	\$ 2,404
VILLAGE OF KINDERHOOK	1.36%	\$ 480
VILLAGE OF WILLIAMSVILLE	3.33%	\$ 2,885
		\$ (7,457)

Development of Target Rate Year 2 Revenue Per Lighting Service Class

Forecast Rate Year 2 Revenue at Rate Year 1 Rates

Service Class	Proposed Usage	Rate Year 1 T&D Rate	T&D Revenue	Facility Revenue	Total Revenue	Pct. of Service Class Revenue from T&D <sup>3</sup>	Pct. of Total Revenue
SC-1	21,736,230	0.08646	\$1,879,369	\$1,639,723	\$3,519,092	53.4%	6.6%
SC-2	140.352.171	0.08646	\$12.135.201	\$36.428.103	\$48.563.304	25.0%	90.5%
Contract	141,564	0.08646	\$12,240	\$59,273	\$71,513	17.1%	0.1%
-	140,493,735	•	\$12,147,441	\$36,487,376	\$48,634,817	25.0%	90.6%
<sup>1</sup> SC-3	9,032,444	0.05935	\$536,113	\$7,408	\$543,521	98.6%	1.0%
SC-6	296,136	0.05935	\$17,577	\$4,045	\$21,622	81.3%	0.0%
-	9,328,580		\$553,690	\$11,453	\$565,143	98.0%	1.1%
<sup>2</sup> SC-4	8,970,329	0.01080	\$96,911	\$845,567	\$942,478	10.3%	1.8%
Total	180.528.874		\$14,677,411	\$38,984,120	\$53,661,530	27.4%	100.0%

- (1) The SC-3 facility revenue is from a single SC-3 contract customer.
- (2) The SC-4 basic service charges are included in "facility revenue" above and elsewhere, for convenience of presentation.
- (3) The total current revenue reflects the proper T&D contract rates, as compared to Appendix 2, Schedule 1.

Revenue Requirement Allocation <sup>1</sup> \$53,802,627

Target Revenue Dollar Increase % Increase \$53,802,627 \$141,096 0.3%

Target Rate Year Revenues

	•	•		•	•	Pct. of Service Class	Pct. of	Facility	Revenue Neutral	Revenue Neutral
Service	Proposed	Target				Revenue	Total	Price	SC1/SC2/Cnt	SC1/SC2/Cnt
Class	Usage	T&D Rate <sup>2</sup>	T&D Revenue	Facility Revenue	Total Revenue	from T&D	Revenue	Increase %		T&D Rate
SC-1	21,736,230	0.08669	\$1,884,311	\$1,644,035	\$3,528,345	53.4%	6.6%	0.3%	\$ 1,884,311	
SC-2	140,352,171	0.08669	\$12,167,109	\$36,523,886	\$48,690,995	25.0%	90.7%	0.3%	\$ 12,167,109	
Contract	141,564	0.08669	\$12,272	\$59,429	\$71,701	17.1%	0.1%	0.3%	\$ 12,272	
•	140,493,735		\$12,179,381	\$36,583,315	\$48,762,696	25.0%	90.9%		\$ 14,063,692	0.08669
SC-3	9,032,444	0.05951	\$537,523	\$7,427	\$544,950	98.6%	1.0%	0.3%		
SC-6	296,136	0.05951	\$17,623	\$4,056	\$21,679	81.3%	0.0%	0.3%		
•	9,328,580		\$555,146	\$11,483	\$566,629	98.0%	1.1%		•	
SC-4	8,970,329	0.01083	\$97,166	\$847,790	\$944,956	10.3%	1.8%	0.3%		
Total	180,528,874	•	\$14,716,003	\$39,086,623	\$53,802,627	27.4%	100.0%	•	•	
	Doi	llar Increase:	\$38,592	\$102,504	\$141,096					
	Perc	ent Increase:	0.3%	0.3%	0.3%					

- (1) Source: Appendix 2, Schedule 2. Target Delivery Revenue Year 2 plus Tax Change plus Surcredit
- (2) Target T&D rates are not rounded. Proposed T&D rates below are rounded to five decimal places.

Rate Year 2 Revenue at Proposed Rates

			Rate Year 2 Re	venue at Proposed	Rates				
Service Class	Proposed Usage	Proposed T&D Rate	T&D Revenue	Facility Revenue	Total Revenue	Pct. of Service Class Revenue from T&D	Pct. of Total Revenue	T&D Rate Increase %	Facility Price Increase %
SC-1	21,736,230	0.08669	\$1,884,314	\$1,643,933	\$3,528,247	53.4%	6.6%	0.3%	0.3%
SC-2	140,352,171	0.08669	\$12,167,130	\$36,518,889	\$48,686,019	25.0%	90.5%	0.3%	0.2%
Contract	141,564	0.08669	\$12,272	\$59,336	\$71,608	17.1%	0.1%	0.3%	0.1%
-	140,493,735		\$12,179,402	\$36,578,225	\$48,757,627	25.0%	90.6%	0.3%	0.2%
SC-3	9,032,444	0.05951	\$537,521	\$8,591	\$546,112	98.4%	1.0%	0.3%	16.0%
SC-6	296,136	0.05951	\$17,623	\$4,048	\$21,671	81.3%	0.0%	0.3%	0.1%
-	9,328,580		\$555,144	\$12,639	\$567,783	97.8%	1.1%	0.3%	10.4%
SC-4	8,970,329	0.01083	\$97,149	\$847,781	\$944,930	10.3%	1.8%	0.2%	0.3%
Total	Dol	lar Increase: ent Increase:	<b>\$14,716,008</b> \$38,597 0.3%	<b>\$39,082,579</b> \$98,459 0.3%	\$53,798,587 \$137,057 0.3%	27.4%	100.0%	0.3%	0.3%

Summary of Rate Year 2 Revenue at Rate Year 1 and Proposed Rates

Service Classification No. 1 - Private Lighting (Company Owned and Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 1	21,736,230	0.08646	\$1,879,369	\$1,639,723	\$3,519,092
Target		0.08669	\$1,884,311	\$1,644,035	\$3,528,345
Proposed	21,736,230	0.08669	\$1,884,314	\$1,643,933	\$3,528,247
(%)	0.0%	0.3%	0.3%	0.3%	0.3%
(\$)	n/a	0.00023	\$4,945	\$4,210	\$9,155
Proposed minus Target	n/a	0.00000	\$3	-\$102	-\$98
			0.00%	-0.01%	0.00%

### Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 1	140,352,171	0.08646	\$12,135,201	\$36,428,103	\$48,563,304
Target		0.08669	\$12,167,109	\$36,523,886	\$48,690,995
Proposed	140,352,171	0.08669	\$12,167,130	\$36,518,889	\$48,686,019
(%)	0.0%	0.3%	0.3%	0.2%	0.3%
(\$)	n/a	0.00023	\$31,929	\$90,786	\$122,715
Proposed minus Target	n/a	0.00000	\$21	-\$4,997	-\$4,976
			0.00%	-0.01%	-0.01%

### Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 1	9,032,444	0.05935	\$536,113	\$7,408	\$543,521
Target		0.05951	\$537,523	\$7,427	\$544,950
Proposed	9,032,444	0.05951	\$537,521	\$8,591	\$546,112
(%)	0.0%	0.3%	0.3%	16.0%	0.5%
(\$)	n/a	0.00016	\$1,408	\$1,184	\$2,592
Proposed minus Target	n/a	0.00000	-\$2	\$1,164	\$1,163
			0.00%	13.55%	0.21%

### Service Classification No. 4 - Traffic Control (Customer Owned and Maintained)

_	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 1	8,970,329	0.01080	\$96,911	\$845,567	\$942,478
Target		0.01083	\$97,166	\$847,790	\$944,956
Proposed_	8,970,329	0.01083	\$97,149	\$847,781	\$944,930
(%)	0.0%	0.2%	0.2%	0.3%	0.3%
(\$)	n/a	0.00003	\$237	\$2,215	\$2,452
Proposed minus Target	n/a	0.00000	-\$17	-\$9	-\$26
			-0.02%	0.00%	0.00%

Summary of Rate Year 2 Revenue at Rate Year 1 and Proposed Rates

Contract Street Lighting (Customer Contributory Provisions)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 1	141,564	0.08646	\$12,240	\$59,273	\$71,513
Target		0.08669	\$12,272	\$59,429	\$71,701
Proposed	141,564	0.08669	\$12,272	\$59,336	\$71,608
(%)	0.0%	0.3%	0.3%	0.1%	0.1%
(\$)	n/a	0.00023	\$32	\$63	\$95
Proposed minus Target	n/a	0.00000	\$0	-\$93	-\$93
			0.00%	-0.16%	-0.13%

Service Classification No. 6 - Street Lighting (Customer Owned, Company Maintained)

_	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 1	296,136	0.05935	\$17,577	\$4,045	\$21,622
Target		0.05951	\$17,623	\$4,056	\$21,679
Proposed	296,136	0.05951	\$17,623	\$4,048	\$21,671
(%)	0.0%	0.3%	0.3%	0.1%	0.2%
(\$)	n/a	0.00016	\$46	\$3	\$49
Proposed minus Target	n/a	0.00000	\$0	-\$8	-\$8
			0.00%	-0.20%	-0.04%

### Total P.S.C. No. 214 Electricity

_	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 1	180,528,874	n/a	\$14,677,411	\$38,984,120	\$53,661,530
Target			\$14,716,003	\$39,086,623	\$53,802,627
Proposed	180,528,874	n/a	\$14,716,008	\$39,082,579	\$53,798,587
Rate Year 1 to Proposed					
(%)	0.0%		0.3%	0.3%	0.3%
Rate Year 1 to Proposed					
(\$)	n/a	n/a	\$38,597	\$98,459	\$137,057
Proposed minus Target	n/a	n/a	\$5	-\$4,044	-\$4,039
			0.00%	-0.01%	-0.01%

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Appendix 2
Schedule 8.3b
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NIAGARA MOHAWK POWER CORPORATION dbia NATIONAL GRID P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Service Classification No. 1 - Private Lighting (Company Owned and Maintained)

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NIAGARA MOHAWK POWER CORPORATION db/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Service Classification No. 1 - Private Lighting (Company Owned and Maintained)

Proposed T&I	Proposed T&D rate 0.08669					Use Group T.	ariff Prices									
	-	Billed	Rate Year 1	Proposed	Percent	Tariff			Rate Year 1	Rate Year 1	Rate Year 1	FY'18		Proposed	Proposed	Proposed
	Rate Year 1	Annual	Amnal	Annual	Change	Wgtd	2016 Avg	Rate Year 1	Annual	Annual	Annual	Avg	Proposed	Annual	Annual	Amnal
	Facility	kWh	Facility	Facility		Combined	Units	Annual	T&D	Facility	Total	Fest	Annual	T&D	Facility	Total
Description	Class	Class per Lamp	Price Price	Price	Price	Price	Billed	Usage	Revenue	Revenue	Revenue	Units	Usage	Revenue	Revenue	Revenue
		(a)	(c)	<b>(</b> g	(e)	(£)	(g)	(p)	Ξ	9	(k)	€	(m)	(n)	0	(d)

Proposed T&D rate 0.08669	0.08669				٦	Use Group Tariff Prices	riff Prices									
	•	Billed	Rate Year 1	Proposed	Percent	Tariff			Rate Year 1	Rate Year 1	Rate Year 1	FY'18		Proposed	Proposed	Proposed
A.	Rate Year 1 Annual	Annual	Annual	Annual	Change	Wgtd 2	2016 Avg	Rate Year 1	Annual	Amnal	Annual	Avg	Proposed	Annual	Annual	Annual
	Facility	kWh	Facility	Facility	Facility (	ъ	Units	Annual	T&D	Facility	Total	Fest	Annual	T&D	Facility	Total
Description	Class	per Lamp	Price	Price	Price	Price	Billed	Usage	Revenue	Revenue	Revenue	Units	Usage	Revenue	Revenue	Revenue
		(a)	(c)	(p)	(e)	(t)	(g)	(h)	(i)	(i)	(k)	(1)	(m)	(n)	(0)	(b)
FOUNDATIONS																
Concrete - Cast-In-Place (CIP)																
For AB standard > 16 ft.	Closed		\$258.00	\$258.72	0.3%		0.6		80	\$2,322	\$2,322	6		80	\$2,328	\$2,328
For AB standard <= 16 ft.	Closed		\$187.32	\$187.80	0.3%		0.0		80	80	80	0		80	80	80
											80					
Concrete - Pre-Cast (PC)																
for AB standards	Closed		\$154.32	\$154.68	0.2%		7.0		80	\$1,080	\$1,080	7		80	\$1,083	\$1,083
											80					
Mechanical - Screw Type																
for AB standards Obsolete	Obsolete		\$115.92	\$116.28	0.3%		126.0	•	80	\$14,606	\$14,606	126		80	\$14,651	\$14,651
CIRCUITRY																
Overhead Service - one span	Standard		\$37.44	\$37.56	0.3%		4787.3	,	80	\$179,235	\$179,235	4787.25	٠	80	\$179,809	\$179,809
Underground Service																
Cable and conduit, per foot	Closed		\$2.28	\$2.28	%0.0		1997.0		80	\$4,553	\$4,553	1997		80	\$4,553	\$4,553
Cable only, per foot	Closed		\$0.36	\$0.36	%0.0		772.0	,	80	\$278	\$278	772		80	\$278	\$278
Direct buried cable, per foot	Closed		\$1.44	\$1.44	%0.0		6694.1		80	89,639	\$9,639	6694.08		80	89,639	\$9,639
				An	Annual Total			21,736,230	\$1,879,369	\$1,639,813	\$3,519,182		21,736,230	\$1,884,314	\$1,643,933	\$3,528,247
															70300	
New Facility additions (no billed quantities)	antities )		000	000											0.75%	

LL Roadway LED-A Standard	Standard	\$0.00	\$0.00
LL Roadway LED-B	Standard	\$83.88	\$84.00
LL Roadway LED-C	Standard	\$88.68	\$88.80
LL Roadway LED-D	Standard	\$110.28	\$110.40
LL Roadway LED-E	Standard	\$0.00	\$0.00
LL Roadway LED-F Standard	Standard	\$119.28	\$119.40

\$3,528,345 -\$98

\$1,884,311 **\$1,644,035** \$3,528,3 -\$102 -\$ Error due to Tariff Rate rounding

TARGET
PROPOSED MINUS TARGET

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NIAGARA MOHAWK POWER CORPORATION deba NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Service Classification No. 2 - Street Liebting (Commany Owned and Maintaine

0.1%	Proposed	Annual	Revenue	Ĥ	\$1,714,640	\$4.199.511	\$3,979	\$2,291,473	\$12,390	\$21,823	\$1,094,865	\$130,163	110 000	\$44,604	\$124,380 \$725	\$32,173	\$121,553	\$1,665 \$0	\$5,933 \$27,345	08	\$170	\$819	08 OS		\$676,724	\$28,089 \$752,546		\$167.029	\$106,573	\$13,167	\$1,152 \$139,543	\$14,930	\$12,088	81,866	80	\$50,140	\$261,146 \$209,996	\$15.408
LED Facility %	Il Other Facility % Proposed	Annual	Revenue	(d)	\$352,316	\$66.002	\$605	\$261,033	\$1,678	\$1,421	\$49,469	\$5,141	6100 0013	\$129,072	\$31,613 \$90	\$4,088	\$10,003	\$53 \$0	\$3,865 \$8,154	80	768	\$376	80 80		\$676,724	\$210,007 \$28,089 \$752,546		\$167.029	\$106,573	\$13,167	\$1,152 \$139,543	\$14,930	\$12,088	\$1,866	80	\$50,140	\$261,146 \$209,996	615 400
33.1%		Annual	Revenue		\$1,362,324	\$3.533.510	\$3,374	\$2,030,440	\$13,712	\$20,402	\$1,045,395	\$125,022	6173 020	\$29,326	\$92,766 \$635	\$28,085	\$111,550 \$64,103	\$1,612 \$0	\$2,068	80	\$73	\$443	8 80 80		08	0 S		800	08	80 80	80 80	S0 3	80	8 8	S S S	80 80	80 80	06
	LED Conversion On	Proposed	Usage	Ī.	15,714,890	40.760.293	38,920	23,421,848	32.041.541	235,348	12,059,009	1,442,177	000 300 0	338,281	1,070,093 7,321	323,973	739,447	18,592	23,852 221,377	•	842	5,113										,			,			
	EV'18	Avg	Units (m)	ĵ.	43,820	82.836	38	32,467	25.276	88	6,153	313	, ,	27.5	2 2	298	1,462 372	4 '	44 8	1	1	4			6,698	278		1.354	864	971	20	192	165 24	24	. 8	293 251	1,056	10
		Non	Burns		347.50	347.50	730.00	347.50	347.50	730.00	347.50	347.50	347.50	347.50	347.50 347.50	347.50	347.50	347.50 347.50	347.50 347.50	347.50	347.50	347.50	347.50 347.50															
tained)	Rate Year 1	Annual	Revenue	()	\$1,711,065	\$4.190.239	\$3,971	\$2,286,145	\$13,334	\$21,770	\$1,092,121	\$129,835	2000	\$44,494	\$124,068 \$723	\$32,099	\$121,260	\$1,661 \$0	\$5,917 \$27,276	80	\$170	\$817	80 80		\$675,116	\$28,022		\$166.704	\$106,365	\$13,146	\$1,150	\$14,907	\$12,008	\$1,863	08	\$50,020	\$260,512 \$209,487	21.6 2.16
Owned and Main	Rate Year 1	Annual	Revenue		\$352,316	\$0 \$666.002	\$605	\$261,033	\$1,678	\$1,421	\$49,469	\$5,141	6170 703	\$15,793	\$31,545 \$90	\$4,088	\$10,003	\$53	\$3,854 \$8,135	80	768	\$3.75	S S0		\$675,116	\$210,109 \$28,022 \$750,758		\$166.704	\$106,365	\$13,146	\$1,150	\$14,907	\$12,008	\$1,863	80	\$50,020	\$260,512 \$209,487	216 216
ting (Company C	Rate Year 1	Annual	Revenue	Ē	\$1,358,749	\$3.524.237	\$3,365	\$2,025,112	\$13,676	\$20,349	\$1,042,652	\$124,694	5173 367	\$29,249	\$92,523 \$633	\$28,011	\$63,934	\$1,607	\$2,062	80	\$73	\$442	8 8		08 9	888		88	S 8	S S	S S	88	8 8	88	80	8 S	80 80	06
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)	LED Conversion On	Rate Year 1	Usage	(n)	15,714,890	40.760.293	38,920	23,421,848	32.041.541	235,348	12,059,009	1,442,177	- 200 C	338,281	1,070,093	323,973	739,447	18,592	23,852 221,377	•	842	5,113																
Classification ]		2016 Avg	Billed	(a)	43,820	82.836	38	32,467	25.276	88	6,153	313	, , , ,	275	569 2	298	1,462 372	4	4 ∞	,	-	4			6,698	278		1354	864	179	20	192	24	25 '		293 251	1,056	5
Service (	Use Group Tariff Prices Tariff	Wgtd				S16.08 S8.04	\$16.08	\$8.04	\$10.08	\$16.08	\$8.04	\$16.44	95 55	\$55.56	\$55.56 \$55.56	6.84	\$6.84 \$6.84	\$13.08	\$87.84	\$75.12	\$97.32	\$100.32	\$100.20 \$152.04			2 5 5 2 6 8	Ī	\$505.32		73.44			77.76			200.16	247.20	160 22
	Us			Ē	\$ %0.0	%0:0 %0:0	%0.0	%0:0	%0:0 0:0%	%0.0	%0:0 0 0%	0.0%	000	0.2%	0.2%	0.0%	0.0% 0.0%	0.0%	0.3%	0.2%	0.2%	0.2%	0.2%		0.2%	0.2%	1	0.2%	0.2%	0.2%	0.2% \$	0.2%	0.2%	0.2% \$	0.2%	0.2%	0.2% S 0.2% S	3 700 0
eapYr=0	Proposed		Price		\$8.04	\$16.08	\$16.08	\$8.04	\$10.08	\$16.08	\$8.04	\$16.44	75 550	\$55.56	\$55.56 \$55.56	\$6.84	\$6.84	\$13.08	\$87.84 \$1,019.28	\$75.12	\$97.32	\$100.32	\$100.20 \$152.04		\$101.04	\$101.04		\$505.32	\$123.36	\$73.56	\$57.60	877.76	S77.76	ST7.76	877.76	\$200.16	\$247.20 \$247.20	616022
Leap Yr=1, NonLeapYr=0	Rate Year 1		Price	Ē	\$8.04	S16.08 S8.04	\$16.08	\$8.04	\$16.08 \$8.04	\$16.08	\$8.04	\$16.08	265 44	\$55.44	\$55.44 \$55.44	86.84	8, 8, 2, 25,	\$13.08	\$87.60	\$75.00	897.08	\$100.08	\$99.96 \$151.68		\$100.80	\$100.80		\$504.12	\$123.12	S73.44 S73.44	\$57.48 \$73.44	\$77.64	\$77.64	S77.64 S77.64	\$77.64	\$199.68	\$246.60 \$246.60	8168 96
1	Billed		Lamp	Ê	98	98	118	571	304	304	470	1106	200	295	451 1078	130	477	1095	130	202	202	327	690 848															
0.08646	0.08669	Rate Year 1	Class		Standard	Standard	Standard	Standard	Standard	Standard	Standard	Closed	Cton dond	Standard	Standard	Obsolete	Obsolete Obsolete	Obsolete Obsolete	Obsolete Closed	Obsolete	Obsolete	Obsolete	Obsolete Obsolete		Standard	Standard		Obsolete	Standard	Standard	Standard Standard	Obsolete	Obsolete	Obsolete		Standard		Standard
Rate Year I T&D rate	Proposed T&D rate		Description	LAMPS High Pressure Sodium	70W	24 HR - 70W 100W	24 HR - 100W	150W	24 HR - 150W 250W	24 HR - 250W	400W	M000M	Metal Halide	250W	400W 1000W	Mercury Vapor 100W	400W	1000W 250W (5 unit)	LAMP & LUMINAIRE MY 100W Open Reflector HPS 1000W High-Mast (6 unit)	<u>Incan descent</u> < 2500 Iumen, Open Reflector	< 2500 lumen, Std Luminaire	4000 lumen, Enclosed	6000 lumen, Enclosed 10000 lumen, Enclosed	LUMINAIRES	Aspen Grove 100	Aspen Grove 175 Aspen Grove 175 Aspen Grove 70	-	Buffalo Globe (5 unit), 250 Central Park 100	Central Park 175	Coach 150	Coach 175 Coach 70	Contemporary 70	Contemporary 100 Contemporary 150	Contemporary 175 Contemporary 250	Contemporary, 400	Delawale Fark 150 Delaware Park 175	Delaware Park 250 Delaware Park 400	Delayers Park Dadgetrian 100

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NIAGARA MOHAWK POWER CORPORATION deba NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Service Classification No. 2 - Street Liebting (Commany Owned and Maintaine

0.1%	0.3%	Proposed Annual	Total	Revenue (q)	\$2.201	\$40,637	89,900	\$99,350	\$65,934	\$71,674	\$18,675	\$17,013	\$30,149	\$222	200	\$15,499	\$52,093	68/8	80	\$22,684	\$12,296	\$1,776,906	\$3,643,554	\$1,510,835	\$60,160	\$1,342,114	\$37,855	\$555	80	80	208 356	\$15,785	\$8,429	\$2,427	\$15,483	\$7,527	\$89,948	\$69,081	\$15,0 <del>4</del> 5	\$3,902	80	\$25,133	\$45,402	\$102,270	\$11,824			\$196,332	\$36,957	80		\$1,359,435 \$13,846
LED Facility%	ality %		Facility		\$2.201	\$40,637	006'68	\$99,350	\$65,954	\$71,674	\$18,675	\$17,013	\$30,149	\$222	215 400	\$15,499	352,093	S S	8	\$22,684	\$12,296	\$1,776,906	\$3,643,554	\$1,510,835	\$60,160	\$311,542,114	\$37,855	\$555	80	80	226 7	\$15,785	\$8,429	\$2,427	\$15,483	\$7,527	\$89,948	\$69,081	313,643	\$3,902	80	\$25,133	\$45,402	\$102,270	\$11,824			\$196,332	\$36,957	SO SO		\$1,359,435
33.1%		Proposed Annual	T&D	Revenue (0)	08	80	80	00 S	0x 0x	80	80	80	80	08	0.00	08	08	8 9	80	80	80	80	80	80	00 S	08 08	80	80	80	08	08 9	80	80	0 S	05 OS	80	80	0S 9	08	80	80	80	08 08	80	80			80	08	80		80 80
	LED Conversion On	Proposed	Annual	Usage (n)																,																				,												
		FY'18 Ave	Fest	Units (m)	2	240	125	1,254	208	531	138	281	498	4	. :	234	457	,		179	6	31,776	65,157	27,018	1,076	5 574	299	5			4 5	237	126	16	313	152	1,819	810	701	64		187	392	882	102			1,097	30	739		5,294
		Non	Leap Yr	Burns (1)																																																
tained)		Rate Year 1	Total	Revenue (k)	\$2.196	\$40,550	\$9,870	\$99,049	\$63,760	\$71,483	\$18,625	\$16,980	\$30,089	\$222	30	\$15,458	552,011	6 8	0S	\$22,641	\$12,267	\$1,773,093	\$3,635,735	\$1,507,593	\$60,031	\$311.008	\$37,784	\$554	80	08	\$260	\$15,756	\$8,414	\$2,421	\$15.445	\$7,509	\$89,730	\$68,886	313,804	\$3,894	80	\$25,065	\$21,015	\$102,059	\$11,799			\$195,938	\$36,883	08		\$1,356,259 \$13,813
wned and Main		Rate Year 1	Facility	Revenue (j)	\$2.196	\$40,550	89,870	\$99,049	\$65,760	\$71,483	\$18,625	\$16,980	\$30,089	\$222	SO 200	\$15,458	\$32,011	5	S S	\$22,641	\$12,267	\$1,773,093	\$3,635,735	\$1,507,593	\$60,031	\$1,559,255	\$37,784	\$554	80	08	\$260	\$15,756	\$8,414	\$2,421	\$15.445	\$7,509	\$89,730	\$68,886	\$13,604	\$3,894	80	\$25,065	\$45.308	\$102,059	\$11,799			\$195,938	\$36,883	80		\$1,356,259
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)		Rate Year 1	T&D	Revenue (i)	08	80	80	08	08 08	80	80	80	80	80	08	08	08	06 S	80	80	0S	80	80	80	08	08	80	80	80	80	08	0S	80	08 8	08	80	80	08	08	808	80	08 3	08 8	80	80			80	8 8	80		8 80
2 - Street Ligh	LED Conversion On	ate Year 1	Annual	Usage (h)																																																
Jassification No			Units		13	240	125	1,254	756	531	138	281	498	4	. :	734	457	,		179	6/	31,776	65,157	27,018	1,076	5.574	299	5		,	4 5	237	126	16	313	152	1,819	810	791	2		187	392	882	102			1,097	30 8	739		5,294 54
Service (	Use Group Tariff Prices	Tariff			169 32		79.20									137.16				126.96		55.92	55.92		55.92		126.72	111.00			27.99			S					83.00					115.92				179.04	0.2% \$ 179.04			\$ 256.80 \$ 256.80
	-1	Percent		Price (e)	0.2%	0.2%	0.3%	0.3%	0.3%	0.3%	0.3%	0.2%	0.2% \$	0.2%	0.5%	0.3%	0.3%	\$ %6.0	0.3% \$	0.2%	0.2%	0.2%	0.2%	0.2% \$	0.2%	0.7%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%	0.2%	0.3%	0.3%	0.2%	0.2%	0.2%			0.2%	0.2%			0.2%
eapYr=0		Proposed	Facility	Price (d)	\$169.32	\$169.32	\$79.20	\$79.20	\$135.00	\$135.00	\$135.00	\$60.60	\$60.60	860.60	\$137.16	\$137.16	\$137.16	\$103.10	\$79.44	\$126.96	\$155.64	\$55.92	\$55.92	\$55.92	\$55.92	\$55.92	\$126.72	\$111.00	\$111.00	\$66.72	200.72	\$66.72	\$66.72	\$151.68	\$49.44	\$49.44	\$49.44	\$85.32	\$65.52	\$61.20	\$85.32	\$134.40	\$115.92	\$115.92	\$115.92			\$179.04	\$179.04	\$0.00		\$256.80
Leap Yr =1, NonLeapYr =0		Rate Year 1	Facility	Price (c)	\$168.96	\$168.96	\$78.96	S78.96	\$134.64	\$134.64	\$134.64	\$60.48	\$60.48	\$60.48	\$136.80	\$136.80	\$136.80	\$103.50	\$79.20	\$126.72	\$155.28	\$55.80	\$55.80	\$55.80	\$55.80	\$55.80	\$126.48	\$110.76	\$110.76	\$66.60	\$66.60	\$66.60	\$66.60	\$151.32	\$49.32	\$49.32	\$49.32	\$85.08	\$85.08	\$61.08	\$85.08	\$134.04	\$115.68	\$115.68	\$115.68			\$178.68	\$178.68	80.00		\$256.20 \$256.20
		Billed 1 Watts		Lamp (a)		_					_	_	_									_														_	_				_									_		
0.08646		Rate Year 1	Facility	Class	Standard				Standard					-		Closed					Closed	) Standard			Standard Standard			) Standard			Standard Standard		٠,	Closed					Standard Standard				Standard Standard		Standard				e Closed			Standard y Standard
Rate Year 1 T&D rate	Proposed T&D rate	0.26% increase		Description	Delaware Park Pedestrian 175	Delaware Park Pedestrian 70	Edison 70	Edison 100	Edison 130 Edgewater 100	Edgewater 150	Edgewater 175	Floodlight 250	Floodlight 400	Floodlight 1000	Franklin Square, 250	Franklin Square, 100 Franklin Square, 150	Franklin Square, 130 Franklin Square 175	Globe 150	Globe, 175	Little Falls - Post Top, 70	Little Falls - Teardrop, 70	Roadway 70	Roadway 100	Roadway 150	Roadway 175	Roadway 250	Roadway, 1000	Setback 250	Setback 400	Shoebox 70	Shoebox 100 Shoebox 150	Shoebox 250	Shoebox 400	Shoebox, 1000	Traditional 150	Traditional 175	Traditional 70	Underpass 100	Underpass 150	Underpass 250	Underpass 70	Washington (Armory Square) 100	Williamsville 100 Williamsville 150	Williamsville 175	Williamsville 70	POLES/STANDARDS	Standard/Pole > 16 ft - OH Service	Steel, anchor base	aluminum, anchor base Concrete DE - Metronolitan	WoodPole	Standard > 16 ft	for UG or URD Service Aluminum, anchor base Aluminum, anchor base, heavy duty

Concrete - Pre-Cast

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NIAGARA MOHAWK POWER CORPORATION db/s NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Service Classification No. 2 - Street Lighting (Commune Ouward and Mathematica)

0.1%	Proposed	Annual Total	Revenue (q)	\$280,488	\$52,540	\$2,396	8709,859	\$3,595	8 8 8			190,093	\$848,414	\$538,485	\$362,655		\$127.549			\$276.068	\$381,014	\$25,166	\$51,/10	\$18,720	\$1,564	\$10,441	Ę	0s 0s	\$39,314	\$34,045 \$0	80	\$10,794	\$2,719,285 \$35,916	\$1,414,075	\$3,245	80
LED Facility %	Proposed	Annual Facility	Revenue (p)	\$280,488	\$52,540	\$2,396	\$709,859	\$3,595	8 S		9	\$99,091	\$848,414	\$538,485	\$362,655		\$127.549			\$276.068	\$381,014	\$25,166	\$31,/10 \$0	\$18,720	\$1,564	\$10,441	6	80 80	\$39,314	\$34,045 \$0	80	\$16,/94	\$2,719,285 \$35,916	\$1,414,075	\$144 \$3,245	80
33.1%	Proposed		Revenue (o)	80	0s 0s	80	80	80	0 S		;	0s 9s	SO SO	80	0S S0		80	}		08	80	08 8	08 os	80	80	80	ŝ	80 80	0S 80	0 S	80	90	0 0s 80 0s	08	0S 80	80
-	LED Collection Oil	Proposed Annual	Usage (n)																		,															
		Avg Fest	Units (m)	546	303	13	2,764	14				2 518	9,146	4,799	2,/40		196	2		820	2,424	109	100	20	36	55			382	322	, 8	80	12,568 166	6,536	15	
		Non Leap Yr	Burns (I)	133	13.1	06	103	187	S S		į	6/3	613	133	113		743	2		178	41	41	S 08	878	09	115	6	0S 80	22 75	89 80 80	80	60	552 536	38	38.4	80
ntained)	Rate Year 1	Annual Total	Revenue (k)	\$279,833	\$52,431	\$2,3	\$708,201	\$3,5			9	\$98,879	\$846,219	\$537,333	\$361,669		\$127.243			\$275.4	\$380,141	\$25,114	0,100	\$18,678	\$1,560	\$10,415			\$39,222	\$33,968 \$0	9	\$10,/33	\$2,713,252 \$35,836			
wned and Mai	Rate Year 1	Annual Facility	Revenue (j)	\$279,833	\$52,431	\$2,390	\$708,201	\$3,587	88		1	\$98,879	\$846,219	\$537,333	\$361,669		\$127.243			\$275.478	\$380,141	\$25,114	80,100	\$18,678	\$1,560	\$10,415	G	08 08 80 08	\$39,222	\$33,968 \$0	80	\$10,/33	\$2,713,252 \$35,836	\$1,410,938	\$3,238	80
ting (Company C	_		Revenue (i)	SO :	8 8	80	80	80	S S		4	S S	80	80	80 80		8	3		95	80	80	00 S	80	80	80	Ğ	80 80	S S	S S	08 8	06	0S 0S	80	80 80	80
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)	LED Collyersion On	Rate Year 1 Annual	Usage (h)																																	
Classification		2016 Avg Units	Billed (g)	546	303	13	2,764	14						4,799	2,/40		196	2		820	2,424	8 3	100	20	36	55			382	322	, 8	80	12,568 166	6,536	15	
Service 1	Tariff	Wgtd Combined	Price (f)				\$ 256.80	S				0.2% \$ 112.20		\$ 112.20																						
	Percent	Change Facility	Price (e)	0.2%	0.2%				0.2%			0.2%	0.3%	0.2%	0.3%		0.2%			0.2%	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%	ò	0.2%	0.2%	0.2%	0.2%	0.7%	0.2%	0.2%	0.2%	0.2%
eapYr=0	Proposed	Annual Facility	Price (d)	\$513.48	\$173.40	\$184.32	\$256.80	\$256.80	\$480.48 \$1,020.96			\$112.20	\$92.76	\$112.20	\$152.56		\$650.76			\$33684	\$157.20	\$230.88	\$196.60	\$374.40	\$43.44	\$189.84	70 6019	\$102.96	\$102.96	\$105.84	\$152.04	\$289.50	\$216.36	\$216.36	\$216.36	\$216.36
Leap Yr=1, NonLeapYr=0	Rate Year 1	Annual Facility	Price (c)	\$512.28	\$173.04	\$183.84	\$256.20	\$256.20	\$479.40 \$1,018.56			\$111.96	\$92.52	\$111.96	\$132.00 \$140.40		\$649.20			\$336.12	\$156.84	\$230.40	\$311.28	\$373.56	\$43.32	\$189.36	6100	\$102.72	\$102.72	\$105.60 \$70.44	\$151.68	\$288.84	\$215.88	\$215.88	\$215.88 \$215.88	\$215.88
1	Billed	Watts	Lamp (a)																																	
0.08646	0.00009	Rate Year 1 Facility	Class	Standard	Standard	Closed	Closed	Closed	Obsolete Obsolete			Standard	Standard	Closed	Closed		Standard			Standard	Standard	Standard	Closed	Closed	Standard	Standard	7	Standard	Standard Closed	Standard Standard	Standard	Standard	Standard Standard	Standard	Closed	Standard
Rate Year 1 T&D rate 0.08646	riopused recording 0.26% increase	-	Description		Fiberglass, anchor base	steel, anchor base (35 ft square)	steel, anchor base		steel, anchor base, traf signal, 1 arm steel, AB, traf signal, >= 10 per unit	Standard <= 16 ft	for UG or URD Service	Aluminum, anchor base, Villager Eiberglass anchor base		steel, anchor base	steet, direct embedded aluminum, anchor base (square)	Decorative Standard	> 16 ft, for UG Service Alum. AB Niagara Rdwy (no base)		Decorative Standard	Aluminum AB Armory Square			aluminum, AB, Little Falls aluminum, AB, Winter Park	cast iron, AB, Armory Square	tenon mounting adaptor	ARMS AND BRACKETS Arm for Standard > 16ft decorative, Ningara Pedestrian, single Standard		Der. erossarm, double, ornamental Der. erossarm, double, contemporary		decorative, Park Ave South, single decor., Metropolitan, all types/sizes		Alum. Niagara base	AB SD > 16 ft AB SD > 16 ft, heavy duty			

| No PE Phase-Out to Retail | No PE Phase-Out to Retail | S12,167,109 | \$36,523,886 | \$48,690,995 | S21 | \$43,977 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 | \$43,975 |

36,437,021

12,306,351

\$ 176.46 \$ 186.54 \$ 231.92 \$ 250.83

New Facility additions (no billed quantities)
24 HR - LI. Roadway LED-B Strandard
24 HR - LI. Roadway LED-C Strandard
24 HR - LI. Roadway LED-F Strandard
24 HR - LI. Roadway LED-F Strandard

Case 17-E-0238
Appendix 2
Schedule 8.4b
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NIAGARA MOHAWK POWER CORPORATION daba NATIONAL GRID PS.C. NO. 214 ELECTRICITY
Rate Year 2 Revente at Rate Year 1 and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Part	Part	Rate Year 1 T&D rate 0.08646	0.08646	I	Leap Yr=1, NonLeapYr=0	LeapYr=0	Ĭ	1 Hea Groun Tariff Prices		TED Conversion On					1	1 FD Conversion On	33.1%	LED Facility %	0.1%
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State   Standard   Deck   Standard   Deck   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State	State   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   Continue   C			(a)	(c)	(p)	(e)	€	(g)	(h)	(i)	(i)	(k)	€	(m)	(u)	(0)	(d)	(b)
Comparison   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   C	Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Compact   Comp	for anchor base standard > 16 ft	Standard		\$215.88	\$216.36	0.2%		453		0\$	897.848	897.848		453	,	80	\$98.065	\$98,065
Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Particular   Par	String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   S	for anchor base standard <= 16 ft	Standard		\$215.88	\$216.36	0.2%		581		80	\$125,354	\$125,354		581		80	\$125,633	\$125,633
ble and conduit Simulard  alternaticable Standard able Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  alternaticable Standard  altern	high and conduit Standard  alternal Standard  standard case and conduit Standard  alternal Standard  standard case and conduit Standard  standard  standard case and conduit Standard  standard case and conduit Standard  standard  standard case and conduit Standard  standard  standard case and conduit Standard  standard  standard case and conduit Standard  standard case and conduit Standard  standard case and conduit Standard  standard case and conduit Standard  standard case and conduit Standard  standard case and conduit Standard  standard case and conduit Standard  standard case and conduit Standard  standard case and conduit Standard  standard case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case and case a	Mechanical - Screw Type for AB standards, all applications	Obsolete		\$110.28	\$110.52	0.2%		10,038		8	\$1,107,037	\$1,107,037		10,038		80	\$1,109,446	\$1,109,446
State   Strington   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike   Strike	the and conduit Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Standard Stand																		
19   19   19   19   19   19   19   19	18   18   18   18   18   18   18   18	CUITRY ervice																	
String	cubic color)         Sill 8.4         Sill 8.6         0.2%         17.103         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .         .	cable and conduit	Standard		\$118.44	\$118.68	0.2%		19,310		80	\$2,287,067	\$2,287,067		19,310	,	80	\$2,291,701	\$2,291,701
Current set   Standard   S118.44   S118.68   0.2%   7.756   5.0   5.018.640   5.7756   5.0   5.008.640   5.7756   5.0   5.008.640   5.7756   5.0   5.008.640   5.7756   5.0   5.008.640   5.7756   5.0   5.008.640   5.7756   5.0   5.008.640   5.7756   5.0   5.008.640   5.7756   5.0   5.008.640   5.7756   5.0   5.008.640   5.7756   5.0   5.008.640   5.7756   5.0   5.008.640   5.7756   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0   5.0	State   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Still   Stil		Standard		\$118.44	\$118.68	0.2%		17,103		80	\$2,025,729	\$2,025,729		17,103		80	\$2,029,833	\$2,029,833
Incomparise to Simularia   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   String   S			Standard		\$118.44	\$118.68	0.2%		7,756		80	\$918,640	\$918,640		7,756		80	\$920,502	\$920,502
Fig. Cropsels Standard   SSS 20   SSS 44   0.2%   13,179   SS 1,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,425   SI,162,	Composite Standard   SSS 20   SSS 44   0.2%   13,179   SS 11,102,425   S1,1162,425   S1,1162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162,425   SS 11,162	CR UG Circuit sect	Standard		\$118.44	\$118.68	0.2%				80	80	80				80	80	80
RD Creatiset  Standard   SSS 25   SSS 44   0.2%   SS 3.64   1.707   SS 0   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45   SS 13.45	RD Creatistics   Similaria   SSS 25   SSS 44   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   0.2%   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544   S. 3544	direct huried cable	Standard		\$88.20	\$88.44	0 3%		13.179		9	\$1 162 425	\$1.162.425		13 179		9	\$1 165 588	\$1165 588
FUND Composite Standard S33.22 S33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 33.64 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S 34.59 0.2% S	Composite Standard   SS3.52   SS3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   S. S3.64   O.2%   O.2%   S. S3.64   O.2%   O.2%   O.2%   O.2%   O.2%   O.2%   O.2%   O.2%   O.2%   O.2%   O.2%   O.2%   O.2%   O.2%   O.2%   O.2%   O.2%   O.2%   O.2%   O.2%   O.2%		Standard		00 888	666.44	0 30%				0.3	S	05				0.5	0.3	0.5
FTS         S33.2         S33.64         0.2% S 33.64         1,707         1,707         0.00         1,707         0.00         1,707         0.00         1,707         0.00         1,707         0.00         1,707         0.00         0.00         0.00         1,707         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.0	FTS         Composite Standard         \$53.52         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64         0.2% standard         \$53.64		Standard		07:000	600.1	0.5.0		•		9	8	8			•	9	9	9
Composite Stud Standard         \$53.52         \$35.64         0.2% s 35.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64         \$36.64 </td <td>  Composite Stand Standard   SS3.22   SS3.64   0.2%   S 35.64   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364</td> <td>posite Stnd</td> <td>Standard</td> <td></td> <td>\$53.52</td> <td>\$53.64</td> <td>0.2%</td> <td>53.64</td> <td>1,707</td> <td></td> <td>80</td> <td>\$91,345</td> <td>\$91,345</td> <td></td> <td>1,707</td> <td></td> <td>80</td> <td>\$91,550</td> <td>\$91,550</td>	Composite Stand Standard   SS3.22   SS3.64   0.2%   S 35.64   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 364   S 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Any Wood Pole Simulard S532 S536 0.2% S 536 0.0% S 69 S 6931 S531 S531 S531 S 69 S 6 S 6931 S 5331 S 5331 S 69 S 6 S 6931 S 5331 S 69 S 6 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 6931 S 69	Any Wood Pole Simulard         \$53.52         \$53.64         0.2% S 35.64         \$6.96         \$8         \$43.311         \$43.311         \$43.311         \$899         .           own Outlet - Old Obsolete         \$5.52         \$5.52         \$6.56         \$6.06         \$8         \$83.31         \$43.31         \$899         .           D-A         Standard - Old Signor         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$1.00         \$		Standard		\$53.52	\$53.64	0.2%	53.64	361		80	\$19,343	\$19,343		361		80	\$19,386	\$19,386
DA         Standard         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S	DA         Standard         0         S0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.	On Any Wood Pole	Standard		\$53.52	\$53.64	0.2%	53.64	809		80	\$43,311	\$43,311		808		80	\$43,408	\$43,408
DA Sumdard 0 S0.00 \$0.00 #DIV/0! \$0.00	DA Standard 0 \$0.00 \$0.00 \$0.00 \$0.00 \$0 \$0 \$3 7.50		Obsolete		\$5.52	\$5.52	0:0%		09		80	\$331	\$331		09		80	\$331	\$331
Li Roadway LED-A   Similard   0   \$80.00   \$50.00   EDIV/01   \$50.00   \$60.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$10.00   \$1	LI Roadway LED-A Sumdard 0 \$80.00 \$50.00 ±DIV/0! \$50.00 16/36\$ 16/76/37 \$144/92 \$11349.27! \$1,494,26\$ 347.50 16/36/37 \$8 \$8 \$8 \$84.00 0.1% \$84.00 16/36 \$1,577 31,029.41 \$2.04,96\$ \$1,342.58 \$1,604.26\$ 347.50 16/36 \$1.37 31,029.41 \$5.04,365 \$1.04.32\$ \$1,604.32\$ 347.50 16/36 \$1.37 31,029.41 \$5.04,385 \$1.04.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$ \$1,604.32\$	CAMERA ATTACH							8		80	80	80		3		80	80	80
Summard 5 588.88 584.00 F1976 584.00 16,686 1676,937 5144,992 51349,271 51,494,263 347,50 16,686 1,676,937 51,44,942 51349,271 51,494,263 347,50 16,686 1,676,937 51,44,942 51,44,463 347,50 16,686 1,676,937 51,44,942 51,44,463 347,50 16,486 1,676,937 51,44,463 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,47,48 1,	Sandard 2		Stondord	c	9	00 03	10/24/07	9			S	Ş	S	3.47.50			S	S	Ş
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Summard 70 \$110.20 \$10.00 0.170 \$10.00 2.257,016 \$2.00,500 \$07,575 \$803,000 3.975 2.257,016 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$	Sumdard 70 \$10.00 \$10.00 \$10.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.00 \$2.0	LL Koadway LED-C	Standard	8 9	\$88.08	\$88.80	0.1%	\$88.80	15,13/	3,029,841	\$261,968	\$1,342,338	\$1,004,323	347.50	5.063	3,029,841	\$262,657	\$1,344,1/4	\$1,606,831
Sundanta 20 S119.28 S119.40 0.1% S119.40 1.454 1.273.618 S110,120 S173.481 \$288.601 3.47.50 1.454 1.273.618  Annual S.C. 2. Non Price Exception Usage and Revenue 140.280.560 \$12,129,009 \$355,708.765 \$47,837.774 140.280.560	Sundanta 20 S119,28 S119,40 1,454 1,273,618 S110,120 S173,481 S283,601 347,50 1,454 1,273,618 S1 Sundanta 210 S119,28 S119,40 0,1% S119,40 1,454 1,273,618 S110,120 S135,708,765 S47,837,774 140,280,560 S12,129,009 S35,708,765 S47,837,774 140,280,560 S12,776 S723,700 S728,992 71,610 71,610	LL Noadway LED-D	Standard	2 <	\$110.28	\$110.40	0.1.0 #DIX/01	\$1.10.40 \$0.00	5,703	010,100,2	3200,388	616,1000	500,5005	347.50	506,5	010,105,2	3200,931	0.67,0000	3003,221
Standard 210 \$119.28 \$119.40 0.1% \$119.40 1,454 1,273.618 \$110,120 \$173.481 \$2.83.601 3-47,50 1,454 1,273.618 Annual S. C. 2. Non Price Exception Usage and Revenue 140,280,560 \$12,129,009 \$35,708,765 \$47,837,774 140,280,560	Standard 210 \$119.28 \$119.40 0.1% \$119.40 1.454 1.273.618 \$110,120 \$173.481 \$2.83.601 \$47.50 1.454 1.275.618 \$1  Amual S.C. 2 Non Price Exception Usage and Revenue 140,280,560 \$12,129,009 \$35,708.765 \$47,837.774 140.280,560 \$12,129,000 \$732,700 \$729,992 77.810 71,610	LL Noauway LED-E	Stalldald	- ;	30.00	30.00	#DIA/0	30.00	. :		000	000	000	047.30	. !		00	30	00
140,280,560 \$12,129,009 \$33,708,765 \$47,837,774 140,280,560	140,280,560 \$12,129,090 \$55,708,706 \$47,837,774 140,280,560 \$12, 71,610 \$6,192 \$723,700 \$729,892 71,610	LL Roadway LED-F	Standard	210	\$119.28	\$119.40	0.1%	\$119.40	1,454	1,273,618	\$110,120	\$173,481	\$283,601	347.50	1,454	1,273,618	\$110,410	\$173,655	\$284,065
	71,610 \$6,192 \$723,700 \$729,892 71,610				<	nnual S.C. 2 N	on Price Exc	eption Usage	and Revenue	140,280,560	\$12,129,009	\$35,708,765	\$47,837,774			140,280,560	\$12,160,922	\$35,781,449	\$47,942,371
71,610 \$6,192 \$723,700 \$729,892 71,610	0.00(					* Annual S.	C.2 Price Exc	reption Usage	and Revenue	71,610	\$6,192	\$723,700	\$729,892		ļ	71,610	\$6,208	\$737,440	\$743,648

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NIAGARA MOHAWK POWER CORPORATION dab'a NATIONAL GRID P.S.C. No. 214 ELECTRICITY Rate Year 2 Revenue at Rate Year 1 and Proposed Rates

e i ear 2 neveliue at nate i ear 1 and r10posed nates	ompany Owned and Maintained) -
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	-Str
	¥0.2
	Classification No.
	Service

Rate Year 1 T&D rate	0.08646	Ser	vice Class	ification INO. 4	- Street Lig	shting (Con	npany Own	ed and Man	ntamed) - F	ACILLITES	WITH PRICE	Service Classification No. 2 - Street Lighting (Company Owned and Maintained) - FACILITIES WITH PRICE EXCEPTIONS	ş					
Proposed T&D rate	69980'0	ı	Rilled		Rate Vear 1		Dercent			Rate Vear 1	Rate Vear 1	Rate Vear 1				Proposed	Proposed	Pronosed
Customer	Billcode Description	Price Exception	Watts per Lamp	Retail Facility Price	Annual Facility Price	Annual Facility Price	Change Facility Price	2016 Avg Rate Year I Units Annual Billed Usage			Annual Facility Revenue	Annual Total Revenue	Non Leap Yr Bums	FY18 Fest Units	Proposed Annual Usage	Annual T&D Revenue	Annual Facility Revenue	Annual Total Revenue
AMHERST CENTRAL SCHOOL D		5,243,017,740	(a)	(b) 216.36	(c) \$69.08		(e)	Ð 4	(g)	(h) \$0	(i)	(j) \$276	(k)	(E) 4	(m)	(u) 80	(o) \$282	(p) \$282
AMHERST CENTRAL SCHOOL D	CR UG Cable & Cndt	4,356,054,170		118.68	\$108.51	\$110.57	1.9%	4 Subtotal:		80	\$434 \$710	\$434	'	4 Subtotal:		\$ 8	\$442 \$724	\$442 \$724
CHAUTAUQUA UTILITY DIST CHAUTAUQUA UTILITY DIST	LL Open IN 1000 PL Wood OH	8,975,335,963 6,131,161,511	103	82.01508271 28.95593629	\$81.80	\$83.35	1.9%	62.2	26,702	\$2,309	\$5,085 \$2,238	\$7,394 \$2,238	347.50	62	26,702	\$2,315 \$0	\$5,182 \$2,281	\$7,496 \$2,281
								Subtotal:	26,702	\$2,309	\$7,323	\$9,632		Subtotal:	26,702	\$2,315	\$7,462	777,68
CITY OF BUFFALO CITY OF BUFFALO	FD Concrete =<16' FD Concrete =<16'	6,046,143,561 8,938,042,980		216.36	\$33.91	\$34.55	1.9%	17.0		\$0 \$0	\$576 \$701	\$576 \$701		71 25		08 08 8	\$587 \$714	\$587 \$714
CITY OF BUFFALO	FD Concrete =<16'	9,147,825,578		216.36	\$13.77	\$14.03	1.9%	14.8		08 9	\$203	\$203		15		8 8	\$207	\$207
CITY OF BUFFALO	FD Concrete > 16'	1,461,426,714		216.36	\$57.58	\$58.67	1.9%	123.8		80	\$7,126	\$7,126		124		8 05	\$7,260	\$7,260
CITY OF BUFFALO CITY OF BUFFALO	FD Concrete > 16' FD Concrete > 16'	1,789,300,004 5,017,348,183		216.36 216.36	\$35.14 \$50.91	\$35.81	1.9%	583.6 1034.7		\$0 \$0	\$20,507 \$52,675	\$20,507		584 1,035		S S	\$20,898 \$53,679	\$20,898 \$53,679
CITY OF BUFFALO	CR UG Cable & Cndt	2,127,072,470		118.68	\$90.45	\$92.17	1.9%	124.3		80	\$11,246	\$11,246		124		80	\$11,460	\$11,460
CITY OF BUFFALO	CR UG Cable & Cndt CR UG Cable & Cndt	4,159,199,691		118.68	\$90.30	\$92.01	1.9%	2274.7		S S	\$1,535	\$1,535		2,275		3 S	\$1,564	\$1,564
CITY OF BUFFALO	CR UG Cable & Cndt	5,953,826,738		118.68	\$55.20	\$56.25	1.9%	575.2		80	\$31,749	\$31,749		575		0S ÷	\$32,353	\$32,353
CITY OF BUFFALO CITY OF BUFFALO	CR UG Cable & Cndt CR UG Cable & Cndt	688,009,980 9,423,276,332		118.68	\$34.61 \$95.86	\$35.27	1.9%	15.5		80 80	\$536 \$112,020	\$536 \$112,020		16 1,169		S S	\$547 \$114,147	\$547 \$114,147
CITY OF BUFFALO PRKS&REC	CR UG Cable & Cndt	9,750,049,700		118.68	\$44.86	\$45.71	1.9%	9.0		80	\$404	\$404		6		80	\$411	\$411
								Subtotal:		80	\$368,838	\$368,838		Subtotal:		\$0	\$375,842	\$375,842
CITY OF SCHENECTADY	LL Enclosed IN <2500	2,514,003,640	202	97.32	\$42.87	\$43.68	1.9%	24	20,217	\$1,748	\$1,029	\$2,777	347.50	24	20,217	\$1,753	\$1,048	\$2,801
CITY OF SCHENECTADY	SD Steel =<16' AB PT	9,057,251,892		112.2	\$23.63	\$24.08	1.9%	24		80	\$567	\$567		77		S 8	\$578	\$578
CITY OF SCHENECTADY CITY OF SCHENECTADY	FD Concrete =<16' CR UG Cable & Cndt	119,391,034		216.36	\$33.72	\$34.36	1.9%	<del>2</del> 24		9 S	\$2 167	\$2 167		\$ \$		S S	\$825	\$825
						<u> </u>		Subtotal:	20,217	\$1,748	\$4,573	\$6,321		Subtotal:	20,217	\$1,753	\$4,659	\$6,412
CITY OF SYRACUSE DPW	SD Steel =<16' AB PT	3,793,634,146		112.2	\$15.13	\$15.42	1.9%	495.0		80	\$7,489	\$7,489		495		80	\$7,633	\$7,633
CITY OF SYRACUSE DPW	SD Steel > 16' AB	7,967,450,484		256.8	80.08	\$61.22	1.9%	11.0	,	80	\$661	\$661		= .	,	0\$	\$673	\$673
CITY OF SYRACUSE DPW	SD Alum Armory Sq AB FD Concrete =<16'	3 332 548 425		336.84	\$15.13	\$15.42	1.9%	503.0		S S	\$10 885	\$15		- 503		3 F	\$15	\$11
CITY OF SYRACUSE DPW	FD Concrete =<16'	9,725,348,453		216.36	\$22.20	\$22.62	1.9%	51.0		80	\$1,132	\$1,132		515		S S	\$1,154	\$1,154
CITY OF SYRACUSE DPW	FD Concrete > 16'	2,434,895,558		216.36	\$93.02	\$94.78	1.9%	11.0		80	\$1,023	\$1,023		= ;		S 8	\$1,043	\$1,043
CITY OF SYRACUSE DPW	CR UG Cable & Cndt	/52,702,727 8,032,131,921		118.68	\$62.21	\$63.39	1.9%	510.3		S S	\$31,743	\$31,743		01V 64		3 S	\$32,345	\$52,345
								Subtotal:		80	\$55,821	\$55,821	,	Subtotal:		80	\$56,880	\$56,880
CITY OF UTICA DPW	LL Enclosed IN 4000	805,054,350	327	100.32	\$39.98	\$40.74	1.9%	∞	10,909	\$943	\$320	\$1,263	347.50	∞	10,909	\$946	\$326	\$1,272
CITY OF UTICA DPW	SD Steel >16' AB	8,996,557,075 2 978 195 981		256.8	\$38.37	\$39.10	1.9%	∞ ∞		S S	\$307	\$307		∞ ∞		S 5	\$313	\$313
CITY OF UTICA DPW	CR UG Cable & Cndt	8,212,261,222		118.68	\$93.37	\$95.14	1.9%	o ∞		80	\$747	\$747		0 00		9 S	\$761	\$761
								Subtotal:	10,909	\$943	\$1,849	\$2,792	,	Subtotal:	10,909	\$946	\$1,884	\$2,830
MUSUEM OF SCIENCE & TEC	FD Concrete =<16'	9,761,380,833		216.36	\$37.67	\$38.38	1.9%	4 -		80	\$151	\$151		4 -	,	08	\$154	\$154
MUSUEM OF SCIENCE & 1EC	CK UG Cable & Chat	0,113,511,545		118.68	3144.33	\$147.09	1.9%	Subtotal:		08 80 80	\$728	\$728	,	Subtotal:		8 8	\$288	\$742
				:	į	1					;						! !	
TOWN OF AMHERST TOWN OF AMHERST	CR UG Cable & Cndt	1,198,891,209		118.68	\$71.53	\$72.89	1.9%	37		9 S	\$2,647	\$2,647		37		S S	\$2,697	\$2,697
TOWN OF AMHERST	CR UG Cable & Cndt	8,598,118,892		118.68	\$71.53	\$72.89	1.9%	17		80	\$1,216	\$1,216		17		80	\$1,239	\$1,239
TOWN OF AMHERST	CR UG Cable & Cndt	1,259,621,896		118.68	\$71.53	\$72.89	1.9%	239		80	\$17,096	\$17,096		239		9S	\$17,421	\$17,421
TOWN OF AMHERST	CR 11G Cable & Cndt	5,059,173,002		216.36	\$30.38	\$30.96	1.9%	4 4		S S	\$122	\$122		4 4		3, 5	\$124	\$124
TOWN OF AMHERST	CR UG Cable & Cndt	4,693,984,849		118.68	\$71.53	\$72.89	1.9%	28		80	\$2,003	\$2,003		78	,	8 8	\$2,041	\$2,041
TOWN OF AMHERST	CR UG Cable & Cndt	5,186,832,478		118.68	\$71.53	\$72.89	1.9%	74 5		80	\$5,293	\$5,293		7 7	,	S S	\$5,394	\$5,394
TOWN OF AMHERSI TOWN OF AMHERST	CR UG Cable & Cndt	6.092,628,736		118.68	\$71.53	\$72.89	1.9%	17 91		2 S	\$1,302 \$1,144	\$1,302 \$1,144		12 79		3 8	\$1,251	166,16 \$1,166
TOWN OF AMHERST	CR UG Cable & Cndt	8,019,098,590		118.68	\$71.53	\$72.89	1.9%	∞		80	\$572	\$572		∞		80	\$583	\$583

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NIAGARA MOHAWK POWER CORPORATION db/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates

Proposed T&D rate	0.08669	I																
			Watts		Kate Year I Annual	Annual	Percent Change	2016 Avg R	Rate Year 1	Kate Year I Annual	Kate Year I Annual	Kate Year I Annual	Non	FY18	Proposed	Annual	Proposed	Proposed
Customer	Billcode Description	Frice Exception	per Lamp (a)	Facility Price (b)	Facility Price (c)	Facility Price (d)	Facility Price (e)		Annual Usage (g)	Revenue	Facility Revenue	Revenue	Leap Yr Burns (k)	rest Units	Annual Usage (m)	Revenue	Facility Revenue	Revenue
TOWN OF AMHERST	the TG Calde	3 826 074 801	ĵ.	118 68	671 53	677.80	1 0%		6	03	6779	6430		2	(-)		\$437	\$437
TOWN OF AMHERST	CR UG Cable & Cndt	5,509,224,592		118.68	\$71.53	\$72.89	1.9%	20.		80	\$1,431	\$1,431		20.0		S S	\$1,458	\$1,458
TOWN OF AMHERST	CR UG Cable & Cndt	9,684,811,658		118.68	\$71.53	\$72.89	1.9%	7 5		80	\$1,216	\$1,216		17		0S	\$1,239	\$1,239
TOWN OF AMHERST	CR UG Cable & Cndt	8.288.911.599		118.68	\$71.53	\$72.89	1.9%	17 7		08 OS	\$1,502	\$1,502		17 17		3 S	\$1,531	\$1,531
TOWN OF AMHERST	CR UG Cable & Cndt	4,122,982,749		118.68	\$71.53	\$72.89	1.9%	29		80	\$2,074	\$2,074		29	٠	80	\$2,114	\$2,114
TOWN OF AMHERST	CR UG Cable & Cndt	2,583,157,341		118.68	\$71.53	\$72.89	1.9%	23 °		80	\$1,574	\$1,574		21 7		9 9 9	\$1,604	\$1,604
TOWN OF AMHERST	FD Concrete > 16'	3 598 117 791		216.36	\$71.55	\$72.89	1.9%	7 8		08	\$143	\$608		7 02		9 9	8619	\$140
TOWN OF AMHERST	CR UG Cable & Cndt	959,770,108		118.68	\$80.91	\$82.44	1.9%	8 2		80	\$1,618	\$1,618		8 8		S S	\$1,649	\$1,649
TOWN OF AMHERST	FD Concrete > 16'	1,186,852,478		216.36	\$30.38	\$30.96	1.9%	13		80	\$395	\$395		13		80	\$402	\$402
TOWN OF AMHERST TOWN OF AMHERST	CR UG Cable & Cndt FD Congrete > 161	4,969,406,205		118.68	\$80.91	\$82.44	1.9%	13		S S	\$1,052	\$1,052		13		S 5	\$1,072	\$1,072
TOWN OF AMHERST	CR UG Cable & Cndt	5,785,461,464		118.68	\$80.91	\$82.44	1.9%	37		80	\$2,994	\$2,994		37		3 S	\$3,050	\$3,050
TOWN OF AMHERST	CR UG Cable & Cndt	3,863,774,947		118.68	\$71.53	\$72.89	1.9%	22		80	\$1,574	\$1,574		23		0\$	\$1,604	\$1,604
TOWN OF AMHERST	CR UG Cable & Cndt	1,001,976,419		118.68	\$71.53	\$72.89	1.9%	23		08	\$1,645	\$1,645		23		S 8	\$1,676	\$1,676
TOWN OF AMHERST	CR UG Cable & Cndt	3,870,870,318		118.68	\$80.91	\$82.44	1.9%	10 10		80	\$809	8809		10		9 S	\$824	\$824
TOWN OF AMHERST	FD Concrete > 16'	5,423,709,947		216.36	\$30.38	\$30.96	1.9%	15		80	\$456	\$456		15	٠	80	\$464	\$464
TOWN OF AMHERST	CR UG Cable & Cndt	9,396,458,974		118.68	\$80.91	\$82.44	1.9%	15		80	\$1,214	\$1,214		15		0\$	\$1,237	\$1,237
TOWN OF AMHERST	CR UG Cable & Cndt	5.616.411.684		118.68	\$50.38	\$30.96	1.9%	n v		08 OS	\$152	\$152		o v		3 S	\$412	\$155
TOWN OF AMHERST	FD Concrete > 16'	8,626,110,861		216.36	\$30.38	\$30.96	1.9%			80	\$152	\$152		S		S S	\$155	\$155
TOWN OF AMHERST	CR UG Cable & Cndt	6,430,560,905		118.68	\$80.91	\$82.44	1.9%	2		80	\$405	\$405		2		OS :	\$412	\$412
TOWN OF AMHERST	FD Concrete =<16'	9,002,641,036		216.36	\$30.38	\$30.96	1.9%	33		80	\$972			32		9, 9	\$991	\$991
TOWN OF AMHERST	CR UG Cable & Cndt	8.401.406.914		118.68	\$71.53	\$72.89	1.9%	20 22		Q 98	\$2,569			2 02		8 8	\$2,036	\$2,036
TOWN OF AMHERST	CR UG Cable & Cndt	240,138,221		118.68	\$71.53	\$72.89	1.9%	18	,	80	\$1,288			18	•	· S	\$1,312	\$1,312
TOWN OF AMHERST	CR UG Cable & Cndt	4,847,415,974		118.68	\$71.53	\$72.89	1.9%	61		80	\$1,359			61		0S	\$1,385	\$1,385
TOWN OF AMHERST	CR UG Cable & Cndt	2,449,189,902		216.36	\$50.38	\$30.96	1.9%	17		0S 0S	\$1.375	\$516		12		3 S	\$526	\$526
TOWN OF AMHERST	CR UG Cable Only	5,055,312,853		118.68	\$17.62	\$17.95	1.9%	36		80	\$634			36	٠	· 9s	\$646	\$646
TOWN OF AMHERST	FD Concrete > 16'	681,267,422		216.36	\$30.38	\$30.96	1.9%	0 5	,	80	\$304			9 9		S 8	\$310	\$310
TOWN OF AMHERSI	CR UG Cable & Cndt	5 036 500 765		118.68	\$80.91	\$82.44	%6.1	9 2		0s 9	\$809			9 2		3 S	\$824	\$824
TOWN OF AMHERST	FD Concrete =<16'	4,344,224,942		216.36	\$30.38	\$30.96	1.9%	3 =		80	\$334			2 =		3 S	\$341	\$341
TOWN OF AMHERST	CR UG Cable & Cndt	8,306,448,664		118.68	\$80.91	\$82.44	1.9%	= '		80	8890			Ξ		0\$	206\$	8907
TOWN OF AMHERST	CR 11G Cable & Cndt	9,864,202,652		216.36	\$30.38	\$30.96	%6.1 1.9%			0S 9S	\$213			- 1		S S	\$217	\$217
TOWN OF AMHERST	FD Concrete > 16'	2,270,561,615		216.36	\$30.38	\$30.96	1.9%	6		80	\$273			6		S S	\$279	\$279
TOWN OF AMHERST	CR UG Cable & Cndt	1,611,213,912		118.68	\$80.91	\$82.44	1.9%	6		80	\$728			6		0S	\$742	\$742
TOWN OF AMHERST	CR 11G Cable & Cndt	1,381,334,533		216.36	\$50.38	\$30.96		o v		08 98	\$152			o 4		8 8	\$412	\$155
TOWN OF AMHERST	FD Concrete > 16'	6,591,623,476		216.36	\$30.38	\$30.96	1.9%	∞		80	\$243			∞	٠	80	\$248	\$248
TOWN OF AMHERST	CR UG Cable & Cndt	9,938,501,756		118.68	\$80.91	\$82.44	1.9%	∞ ;		80	\$647	\$647		∞ ;		0\$	8660	8660
TOWN OF AMHERST	CR UG Cable & Cndt	6.263.416.544		118.68	\$80.91	\$82.44	1.9%	\$ 25		Q 98	\$1.942	\$1.942		4 2		8 8	\$1.979	\$745
TOWN OF AMHERST	FD Concrete > 16'	7,972,790,067		216.36	\$30.38	\$30.96	1.9%	i =		80	\$334	\$334		=	٠	80	\$341	\$341
TOWN OF AMHERST	CR UG Cable & Cndt	858,637,796		118.68	\$80.91	\$82.44	1.9%	Ξ		80	8890	068\$		Ξ		OS :	206\$	8907
TOWN OF AMHERST	FD Concrete >16' HD	6,030,397,413		216.36	\$30.38	\$30.96	1.9%	s s		S S	\$152	\$152		vo v		<b>3</b> , 5	\$155	\$155
TOWN OF AMHERST	FD Concrete >16' HD	9,372,436,534		216.36	\$30.38	\$30.96	1.9%	. 12		90 80	\$638	\$638		21.		0°, 0°,	\$650	\$412
TOWN OF AMHERST	CR UG Cable & Cndt	7,342,014,920		118.68	\$80.91	\$82.44	1.9%	21	,	80	\$1,699	\$1,699		21	•	\$0	\$1,731	\$1,731
TOWN OF AMHERST	FD Concrete > 16'	7,006,920,700		216.36	\$30.38	\$30.96	1.9%	0 9		80	\$304	\$304		9 9		S S	\$310	\$310
TOWN OF AMHERST	FD Concrete > 16'	3,388,225,492		216.36	\$30.38	\$30.96	1.9%	5 51		208	\$456	\$456		15		3 8	\$464	\$3027
TOWN OF AMHERST	CR UG Cable & Cndt	5,258,665,596		118.68	\$80.91	\$82.44	1.9%	15		80	\$1,214	\$1,214		15	•	0\$	\$1,237	\$1,237
TOWN OF AMHERST TOWN OF AMHERST	FD Concrete > 16' CR 11G Cable & Cndt	7,841,872,428		216.36	\$30.38	\$30.96	1.9%	r r		0S S	\$213	\$213		r r		S 5	\$217	\$217
TOWN OF AMHERST	FD Concrete > 16'	7,059,792,008		216.36	\$30.38	\$30.96	1.9%	- 4		80	\$425	\$425		. 41		8 S	\$433	\$433
TOWN OF AMHERST	CR UG Cable & Cndt	6,082,963,339		118.68	\$80.91	\$82.44	1.9%	4.		80	\$1,133	\$1,133		41		98 S	\$1,154	\$1,154
TOWN OF AMERICA	FD Concrete 710 nu	1,484,727,337		210.30	\$30.00	330.70	1.9%	c		30	4016	2010		c		36	CC16	\$100

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NIAGARA MOHAWK POWER CORPORATION d'bia NATIONAL GRID P.S.C. No. 214 ELECTRICITY Rate Year 2 Revenue at Rate Year 1 and Proposed Rates

	FACILITIES WITH PRICE EXCEPTIONS
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Rate Year 1 T&D rate																		
Proposed 1 & D rate	0.08669		Billed	Pata Vaar	Pata Vaar 1		Darcont			Pata Voor 1	Pate Vear 1	Pate Vear 1				Dronoeod	Dronocad	Proposed
			Watts		Annual	Annual	Change	2016 Avg R	Rate Year 1	Annual	Annual	Annual	Non	FV18	Pronosed	Annual	Annual	Annual
		Price	per	Facility	Facility		Facility		Annual	T&D	Facility	Total	Leap Yr	Fest	Annual	T&D	Facility	Total
Customer	Billcode Description	Exception	Lamp	Price	Price	Price	Price	Billed	Usage	Revenue	Revenue	Revenue	Burns	Units	Usage (m)	Revenue	Revenue (o)	Revenue (n)
			(1)	(2)	2	(i)	6	3	9				(i)	0				
TOWN OF AMHERST	CR UG Cable & Cndt	8,376,415,574		118.68	\$80.91	\$82.44	1.9%	S		20	\$405	\$405		S		S 3	\$412	\$412
TOWN OF AMHERST	CR 11G Cable & Cndt	5,233,048,930		118.68	\$6.05	\$50.96	1.9%	ی ه		0, 0,	\$182	\$182		0 9		8 8	2180	\$180
TOWN OF AMHERST	FD Concrete >16' HD	4,202,773,657		216.36	\$30.38	\$30.96	1.9%	o oo		80	\$243	\$243		o oc		8 8	\$248	\$248
TOWN OF AMHERST	CR UG Cable & Cndt	7,726,467,374		118.68	\$80.91	\$82.44	1.9%	∞		80	\$647	\$647		- 00		S S	8660	\$660
TOWN OF AMHERST	FD Concrete =<16'	1,744,000,650		216.36	\$30.38	\$30.96	1.9%	35		80	\$1,063	\$1,063		35		80	\$1,084	\$1,084
TOWN OF AMHERST	CR UG Cable & Cndt	5,645,248,952		118.68	\$80.91	\$82.44	1.9%	35	,	80	\$2,832	\$2,832		35		80	\$2,885	\$2,885
TOWN OF AMHERST	FD Concrete > 16'	5,972,606,736		216.36	\$30.38	\$30.96	1.9%	6	,	80	\$273	\$273		6		80	\$279	\$279
TOWN OF AMHERST	CR UG Cable & Cndt	7,982,962,549		118.68	\$80.91	\$82.44	1.9%	6	,	80	\$728	\$728		6		80	\$742	\$742
TOWN OF AMHERST	FD Concrete > 16'	5,707,647,186		216.36	\$30.38	\$30.96	1.9%	m r		20	\$91	\$91		m c		S 8	\$93	\$93
TOWN OF AMHERSI	CK UG Cable & Chat	5 299 391 404		718.58	\$80.91	\$82.44	1.9%	n "		08 9	\$243	\$243		n (		8 8	\$24/ \$03	\$24\ \$93
TOWN OF AMHERST	CR UG Cable & Cndt	451.736.027		118.68	\$80.91	\$82.44	1.9%	n m		80	\$243	\$243		n		8 8	\$247	\$247
TOWN OF AMHERST	FD Concrete =<16'	5,185,829,268		216.36	\$30.38	\$30.96	1.9%	· ∞		\$0	\$243	\$243		· ∞		8	\$248	\$248
TOWN OF AMHERST	CR UG Cable & Cndt	1,259,611,207		118.68	\$80.91	\$82.44	1.9%	∞		80	\$647	\$647		∞		80	8660	099\$
TOWN OF AMHERST	FD Concrete > 16'	3,848,447,984		216.36	\$30.38	\$30.96	1.9%	9		80	\$182	\$182		9		80	\$186	\$186
TOWN OF AMHERST	CR UG Cable & Cndt	9,356,102,071		118.68	\$80.91	\$82.44	1.9%	9		80	\$485	\$485		9 :		S 3	\$495	\$495
TOWN OF AMHERST	FD Concrete =<16'	3,498,700,697		216.36	\$30.38	\$30.96	1.9%	4 :		80	\$425	\$425		₹ :		S €	\$433	\$433
TOWN OF AMHERST	CR UG Cable & Cndt	8,033,986,839		118.68	\$80.91	\$82.44	1.9%	4 ,		08	\$1,133	\$1,133		4.		9, S	\$1,154	\$1,154
TOWN OF AMHERSI	CP 11G Cable & Cadt	0 330 884 808		216.36	\$50.38	\$50.96	1.9%	ی م		08 9	\$182	\$182		ی ه		3 F	\$186	\$186
TOWN OF AMHERST	FD Concrete > 16'	9 310 077 600		216.36	\$30.38	\$30.96	1.9%	<u> </u>		08	\$395	\$395		° <u>c</u>		8 8	\$402	\$493
TOWN OF AMHERST	CR UG Cable & Cndt	1.411.177.711		118,68	\$80.91	\$82.44	1.9%	2 22		80	\$1.052	\$1.052		2		S S	\$1.072	\$1.072
TOWN OF AMHERST	FD Concrete > 16'	128,925,989		216.36	\$30.38	\$30.96	1.9%	12		80	\$365	\$365		12		8 8	\$372	\$372
TOWN OF AMHERST	CR UG Cable & Cndt	3,924,127,941		118.68	16.08\$	\$82.44	1.9%	12		80	\$971	\$971		12		80	686\$	686\$
								Subtotal:		80	\$103,011	\$103,011	ļ	Subtotal:		80	\$104,967	\$104,967
TOWN OF OUEENSBURY	SD Steel =<16' AB PT	8.546.322.273		112.2	\$31.37	\$31.96	1.9%	56	,	80	\$816	\$816		56	,	S	\$831	\$831
TOWN OF QUEENSBURY	FD Concrete =<16'	7,441,083,920		216.36	\$44.89	\$45.74	1.9%	26		80	\$1,167	\$1,167		56	,	80	\$1,189	\$1,189
TOWN OF QUEENSBURY	CR UG Cable & Cndt	2,587,220,482		118.68	\$119.79	\$122.06	1.9%	26		80	\$3,115	\$3,115		56		80	\$3,174	\$3,174
								Subtotal:		80	\$5,097	\$5,097		Subtotal:		80	\$5,194	\$5,194
TOWN OF TONAWANDA	CR 11G Cable & Cndt	1 344 984 259		118 68	75 773	878.84	1 9%	249		9	900 618	\$19.276		249		ş	\$19.592	\$19.507
TOWN OF TONAWANDA	CR 11G Cable & Cndt	7 484 500 155		118 68	62 928	\$77.74	1 0%	506		0\$	290 698	290 698		506		\$ 5	\$70.374	\$70.374
TOWN OF TONAWANDA	FD Concrete =<16'	7,461,048,530		216.36	\$28.65	\$29.19	1.9%	206		80	\$25,983	\$25,983		206	,	80	\$26,473	\$26,473
TOWN OF TONAWANDA	CR EF Cbl & Cndt/ft	9,165,906,069		0.100262937	\$0.10	\$0.10	%0.0	149	,	80	\$15	\$15		149		80	\$15	\$15
TOWN OF TONAWANDA	FD Concrete > 16'	2,916,555,365		216.36	\$25.24	\$25.72	1.9%	_		80	819	\$19	ļ	-		80	\$19	\$19
								Subtotal:		80	\$114,286	\$114,286		Subtotal:		80	\$116,454	\$116,454
VILLAGE OF KENMORE	CR UG Cable & Cndt	9,602,462,524		118.68	\$47.82	\$48.73	1.9%	1048		80	\$50,123	\$50,123		1,048	,	80	\$51,077	\$51,077
VILLAGE OF KINDERHOOK	LL Open IN 1000	455,062,850	103	90.38703797	\$90.15	\$91.86	1.9%	30	12,922	\$1,117	\$2,712	\$3,829	347.50	30	12,922	\$1,120	\$2,763	\$3,884
VILLAGE OF KINDERHOOK	LL Open IN 1000	6,254,715,057	103	32.15432399	\$32.07	\$32.68	1.9%	2	860	\$74	\$64	\$138	347.50	2	860	\$75	\$65	\$140
VILLAGE OF KINDERHOOK	CR UG Cable & Cndt	2,720,445,634		118.68	\$67.52	\$68.80	1.9%	2		80	\$135	\$135	ļ	2		80	\$138	\$138
								Subtotal:	13,782	\$1,192	\$2,911	\$4,103		Subtotal:	13,782	\$1,195	\$2,966	\$4,161
VILLAGE OF WILLIAMSVILLE	CR UG Cable & Cndt	5,308,523,706		118.68	\$82.03	\$83.59	1.9%	103		80	\$8,429	\$8,429		103	,	80	\$8,589	88,589
						* Ann	ual Total F	Annual Total From Above	71,610	\$6,192	\$723,700	\$729,892			71,610	\$6,208	\$737,440	\$743,648
																Increase	\$13,740	

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Appendix 2
Schedule 8.6b
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NIAGARA MOHAWK POWER CORPORATION db/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY Rate Year 2 Revenue at Rate Year 1 and Proposed Rates

				Serv	R ice Classiff	ate Year 2 Re cation No. 3	Rate Year 2 Revenue at Rate Year 1 and Proposed Rates Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)	Year 1 and Pr ing (Custome	roposed Rates	Maintained)							į
Kate Year I 1&LD rate Proposed T&LD rate	0.05951 0.05951															se	0.3%
0.26% increase			Billed	1					Rate Year 1 F		Rate Year 1	Non			Proposed 1		Proposed
	Billcode	Price	w atts	_ <		Facility	Units Ka	_				Leap Yr		<b>5</b> .			Total
Description	Description	Exception	Lamp (a)	Price (c)	Price (d)	,		Usage (g)	Revenue (h)	Revenue (i)	Revenue (j)	Bums (k)	Units (I)	Usage (m)	Revenue (n)	Revenue (o)	Revenue (p)
Non-contract S.C. 3 Accounts (Customer owned & maintained)	EN Energy Only DTD	n/a	n/a	n/a	n/a	n/a	1,461,537	648,922	\$38,516	\$0	\$38,516			648,922	\$38,617	\$0	\$38,617
							1,467,763	559,218	\$33,192	\$0	\$33,192			559,218	\$33,279	\$0	\$33,279
							1,467,763	447,668	\$26,571	Q <del>\$</del>	\$26,571			447,668	\$26,641	\$0	\$26,641
							1,467,634	403,599	\$23,955	\$0	\$23,955			403,599	\$24,018	\$0	\$24,018
							1,467,634	361,038	\$21,429	\$0	\$21,429			361,038	\$21,485	0\$	\$21,485
							1,469,509	442,322	\$26,254	Q\$ <b>Q</b> \$	\$26,254			442,322	\$26,323	0\$	\$26,323
							1,474,269	492,406	\$29,226	0\$	\$29,226			492,406	\$29,303	9 8	\$29,303
							1,475,669	621,257	\$36,874	0 8	\$36,874			621,257	\$36,971	0,000	\$36,971
							1,4 / 5, / 44	6/4,415	\$40,029	0	\$40,029			6/4,415	\$40,134	0#	\$40,134
Contract S.C.3 Account (S.C. 3 T&D rate per contract. No facility charge unless a Company-procured new facility - then, S.C. 2 price)	cility charge unless a Com	ipany-procured ne	w facility -	then, S.C. 2 price	<u>~</u>												
LAMPS																	
High Pressure Sodium																	
M07	LP HS 70	0666666666	98	\$0.00	\$0.00	%00:0	4	1,440	\$85	\$0	\$85	347.50	4	1,440	\$86	\$0	\$86
100W	LP HS 100	1666666666	118	80.00	\$0.00 \$0.00	%00.0	73.1	31,488	\$1,869	S €		347.50	73.1	31,488	\$1,874	O\$ 0	\$1,874
250W	LP HS 250	999999993	304	\$0.00	\$0.00	%00.0		2,226,048	\$132,125	0\$	0,	347.50	1,756	2,226,048	\$132,472	0\$	\$132,472
400W	LP HS 400 LP HS 100	1866666666	470	\$0.00	\$0.00	0.00%	21	41,160	\$2,443	\$0		347.50	21	41,160	\$2,449	\$0	\$2,449
Metal Halide 175W	LP MH 175	0	207	80.00	\$55.56	%000	- 61	1,728	\$103	0\$		347.50	2	1.728	\$103	\$111	\$214
400W	LP MH 400	8139419394	451	\$0.00	\$0.00	%00.0	11	20,688	\$1,228	\$0	\$1,228	347.50	7	20,688	\$1,231	\$0	\$1,231
Merculy vapol	LP MV 175	0866666666	211	\$0.00	\$0.00	%00.0	24	21,336	\$1,266	\$0	\$1,266	347.50	24	21,336	\$1,270	\$0	\$1,270
LUMINAIRES																	
Arch. (style unknown) 150/175		5266666666		80.00	\$0.00	%00.0	14		\$0	\$0	\$0		4		\$0	\$0	\$0
Arch. (style unknown) 70/100 Edgewater 150	LM Arch 70/100 LM Edgewater 150	9266666666		\$0.00 \$0.00	00.08 80.00	%00.0	730		0\$ \$	0\$ °\$	0 %		730		0\$ G	0 %	0 %
Little Falls - Teardrop, 70	LM Little Fall TD 70	6666666666		\$0.00	\$0.00	%00.0	9		0\$	\$0	0\$		9		\$0	0\$	0\$
Roadway 70	LM Roadway 70 I M Roadway 150	9200000000		80.00	80.00	%00.0	4 c		0\$ \$	O\$	\$ \$		4 0		0¢ 0¢	0\$ \$	0\$ \$
Roadway 250	LM Roadway 250	116666666666666666666666666666666666666		\$0.00	\$0.00	%00.0	1763		\$0	0\$	0\$		1,763		\$0	\$0	\$0\$
Roadway 400	LM Roadway 400	8353362633		\$0.00	\$0.00	0.00%	= %		000	\$0	\$0		£ 5		O\$ G	\$0	\$0
Con Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Colonia Co	SD Alum Armory Sq AB	9043		\$0.00	\$0.00	0.00%	3 -		\$0	\$0	\$0		3 -		0¢	\$0	\$0
	LM Roadway 175	6966666666		\$0.00	\$0.00	%00.0	7 9		\$0	0\$	\$0		21 6		0\$	\$0	\$
	LM Aspen Grove 100	17.66666666		\$0.00	\$0.00	%00.0 0.00%	78 78 78		0\$	0\$	08		78 -		0\$	0\$	Q Q
	LM Traditional 100	9999999972		\$0.00	\$0.00	%000	20		0 8	0\$	0\$		7 50		0,50	0\$	0\$
	Livi Contemporary 173	61 66666666		30.00	90.00	0.00	3		0	0	0		2		0	0	O <del>p</del>
POLES/STANDARDS  Wood Pole, 1 Span	PL Wood OH =< 1SP	999999983		\$0.00	\$0.00	%00:0	ю		0\$	0\$	0\$		ю		0\$	0\$	0\$
Standard > 16 ft for UG or URD Service					;												
Aluminum, anchor base steel, anchor base	SD Alum >16' AB SD Steel >16' AB	9999999986		\$0.00 \$0.00	\$0.00 \$0.00	%00.0 0.00%	223 31		0\$	0 0 9 0 9	0 %		31		0,00	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0\$

\$7,427 \$1,164

\$537,523

TARGET PROPOSED MINUS TARGET

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NIAGARA MOHAWK POWER CORPORATION db/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates

	Maintained)	
	and	
	Owned	
•	Customer	
	Lighting (	
	3 - Street	
	No. 3	
	Classification	
	Service	

				Serv	ice Classific	cation No. 3.	- Street Ligh	ting (Custom	Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)	(Maintained)							
Rate Year 1 T&D rate 0.05	0.05935						D	Ó								Increase	0.3%
	10600	I		_	-	1			-	_	Rate Year 1				Proposed	Proposed	Proposed
			Watts				ag	Rate Year 1	Annual	Annual	_	Non	_	Proposed	Annual	Annual	Annual
			ber .			racinty	Chillis	Annuai	180	Facility		Leap rr		Annuai		raciiity	1 Otal
Description Descri	Description	Exception	(a)	e) (c)	Fuce (d)	(e)	Billed	Osage (a)	Kevenue (h)	Kevenue (j)	Kevenue (i)	Bums (R)	Cunts	Usage (m)	Kevenue (n)	Kevenue (0)	Kevenue (p)
							6)	ĝ			6		0			ĵ.	
Standard <= 16 ft																	
	00 04	2000000000		0000	00	à	ť		ç	é	ě		3		é	é	é
		999999983		\$0.00	30.00	%000	77		00	9 6	00		, ,		00	00	Q 6
		999999998		\$0.00	80.00	0.00%	C 05		Q\$	Q	Q		, E		Q	Q# \$	9 6
		0		\$0.00	\$92.76	0.00%	25		\$0	0\$	0\$		25		0\$	\$2,319	\$2,319
Decorative Standard <= 16 ft																	
for UG or URD Service																	
Aluminum, AB, Armory Square SD Alum Armory Sq AB		686666666		\$0.00	\$0.00	%00:0	728		\$0	\$0	\$0		728		\$0	\$0	\$0
Aluminum, AB, Armory Square SD Alum Armory Sq AB	Armory Sq AB	0		\$0.00	\$336.84	%00.0	-		\$0	\$0	\$0		-		\$0	\$337	\$337
FOUNDATIONS																	
Concrete - Cast-In-Place																	
		366666666		80.00	\$0.00	%00.0	253		\$0	\$0	\$0		253		\$0	\$0	\$0
for AB standard > 16 ft FD Cone	FD Concrete >16'	0		\$0.00	\$216.36	%00.0	2		\$0	\$0	\$0		2		\$0	\$433	\$433
for AB standard <= 16 ft FD Conc	FD Concrete =<16' 99	99999994		\$0.00	\$0.00	%00.0	160		\$0	\$0	\$0		760		\$0	\$0	\$0
for AB standard <= 16 ft FD Conc	FD Concrete =<16'	0		\$195.72	\$216.36	10.55%	-		\$0	\$196	\$196		-		0\$	\$216	\$216
CIRCUITRY																	
UG Service																	
				;													
		966666666		80.00	80.00	%00.0	992		0\$	\$0	\$0		392		\$0	\$0	\$0
	CK UG Cable & Cndt	0		\$86.04	\$118.68	37.94%	7 9		0,9	\$172	\$172		N 1		Q Q	\$237	\$237
cable only CK OG C		166666666		\$0.00	30.00	0.00%	CI		00	O <del>p</del>	04		<u>0</u>		04	00	0
direct buried cable CR UG Re	CR UG Res DB Cable 99	8666666666		\$0.00	\$0.00	%00:0	57		\$0	\$0	\$0		22		\$0	\$0	\$0
direct buried cable CR UG Re	CR UG Res DB Cable	0		\$56.56	\$88.44	56.37%	25		\$0	\$1,414	\$1,414		25		\$0	\$2,211	\$2,211
				ļ	Ann	Annual Total		9,032,444	\$536,113	\$4,557	\$540,670			9,032,444	\$537,521	\$8,591	\$546,112
					*	Watertown		2,883,540	\$171,150	\$4,557	\$175,707			2,883,540	\$171,599	\$8,591	\$180,191
						<u>Q</u>		6,148,904	\$364,963	<b>0\$</b>	\$364,963			6,148,904	\$365,921	<del>\$</del>	\$365,921
									930Z,34U					TARGET	\$537 523	FCA T-2	

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NIAGARA MOHAWK POWER CORPORATION db/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Service Classification No. 4 - Traffic Control (Customer Owned and Maintained)

			3	11000000	- 1017 TOTAL	Times Con	moreno) ion	Der tree emissionation (10: 4 - 11mine control (Castoline) (Three and Himmine)	manual (manual)					
Rate Year 1 T&D rate Proposed T&D rate	0.01080 0.01083												Increase	0.3%
0.24% increase		Rate Year 1 Proposed	١.	Percent			Rate Year 1	Rate Year 1	Rate Year 1	FY'18		Proposed	Proposed	Proposed
		Annual		Change	2016 Avg	Rate Year 1	Annual	Annual	Annual	Avg	Proposed		Annual	Annual
	Billcode	Basic Serv.	>.	Basic Serv.	Units	Annual	T&D	Location Charge	Total	Fest	Annual		Location Charge	Total
Description	Description	Charge		Charge	Billed	Billed Usage	Revenue	Revenue	Revenue	Units	Usage	ne	Revenue	Revenue
		(a)	(p)	(c)	(p)	(e)	(£)	(g)	(h)	(i)	9	(k)	(1)	(m)
Traffic Control Location Charge TC Location Charge	TC Location Charge	\$300.96	\$301.80	0.26%	2809.1	n/a	n/a	\$845,422	\$845,422	2,809	n/a	n/a	\$847,781	\$847,781
Traffic Control 30 Day kWh	TC 30 Day kWh	n/a	n/a	n/a	n/a	8,970,329	\$96,911	n/a	\$96,911	n/a	8,970,329	\$97,149	n/a	\$97,149
			A	Annual Total		8,970,329	\$96,911	\$845,422	\$942,333		8,970,329	\$97,149	\$847,781	\$944,930
						266.110801								
						kWh per unit per mo	oer mo				TARGET	\$97,166	\$847,790	\$944,956
									PROP	OSED MIN	PROPOSED MINUS TARGET	-\$17	6\$-	-\$26

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NIAGARA MOHAWK POWER CORPORATION d/ba NATIONAL GRID P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates

						Kau Contrac	t Street Lig	enue at Kate hting (Custe	Year I and F omer Contrib	Kate Year Z Revenue at Rate Year I and Proposed Rates Contract Street Lighting (Customer Contributory Provisions)	s ions)						
	Rate Year 1 T&D rate Proposed T&D rate	0.08646														Increase	0.3%
hidden column used by	0.26% increase		Billed	Rate Year 1	Proposed	Percent	2016 Avg 1	Rate Year 1	Rate Year 1	Rate Year 1	Rate Year 1	Non	FY'18 Avg 1	Proposed	Proposed	Proposed Annual	Proposed
SC5PRICES tab to get RY1 PRICE	Description	Ownership			Facility Price	Facility Price	Units	Annual	T&D Revenue	Facility Revenue	Total Revenue	Leap Yr Burns		Annual Usage	T&D Revenue	Facility Revenue	Total Revenue
			(a)	(3)	(p)	(e)	Œ)	(g)	(h)	Ξ	Θ	(k)	€	(m)	(n)	0	(b)
117162900 01 - NMP0000003	1171629003 CENTER FOR DISABILITY SRVCS	Commany	173	Ct 13	\$7.32	%0 0	4	2 880	\$249	60 81	8778	347 50	4	2 880	8. 0.50	60 8	6228
01 - NMP000051P		Company	6/1	\$51.00	\$51.12		1 4	7,000	\$000	\$204	\$204	000	1 4	7,000	80	\$204	\$204
01 - NMP000084P	Additional Wood Pole Company	Company		80.00	\$0.00 n/a	ž	2		0\$	\$0	0\$		7		0\$	0\$	\$0
243388210	2433882101 CITY OF SYRACUSE DPW																
01 - NMP0000002	M001	Company	118	\$7.08	\$7.08	%0.0	44	21,648	\$1,872	\$312	\$2,183	347.50	44	21,648	\$1,877	\$312	\$2,188
01 - NMP0000013		Company	211	\$5.88	\$5.88	%0.0	82	72,444	\$6,264	\$484	\$6,748	347.50	85	72,444	\$6,280	\$484	\$6,764
01 - NMP000105P	for anchor base standard <= 16 ft cable and conduit	Company		\$195.72	\$196.20	0.2%	3		S S	\$587	\$587		33		S S	\$589	\$589
01 - NMP000117P		Company		\$1.68	\$1.68		1243		8	\$2,089	\$2,089		1,243		S S	\$2,089	\$2,089
01 - NMP000120P	Festoon Outlet - Old	Company		\$47.88	\$48.00		42		\$0	\$2,011	\$2,011		45		0\$	\$2,016	\$2,016
01 - NMP000219P		Company		\$99.60	\$99.84		12		9	\$1,195	\$1,195		12		9	\$1,198	\$1,198
01 - NMP000270P	aluminum, anchor base, Little Falls Williamsville 100	Company		\$198.48	\$198.96	0.2%	43		S	\$8,535	\$8,535		£4 £		3 F	\$8,555	\$8,555
01 - NMP000337P		Company		\$129.48	\$129.84	0.3%	31		8 8	\$4.014	\$4.014		3.		S S	\$4.025	\$4,025
01 - NMP000339P		Company		\$129.48	\$129.84	0.3%	82		0\$	\$10,661	\$10,661		82		0\$	\$10,690	\$10,690
01 - NMP000105P	for anchor base standard <= 16 ft	Company		\$68.55	\$68.76		123		\$	\$8,432	\$8,432		123		0\$	\$8,457	\$8,457
00.400.000	M HANT GO MHOD																
6193879102 03 - NMP00000002		customer	118	\$7.08	\$7.08		9	2,952	\$255	\$42	\$298	347.50	9	2,952	\$256	\$42	\$298
03 - NMP000056P		customer		\$29.88	\$30.00		9		\$0	\$179	\$179		9		\$0	\$180	\$180
03 - NMP000097P	Fiberglass, anchor base	customer		\$25.32	\$25.44	0.5%	9		G 6	\$152	\$152		ဖ ဖ		S €	\$153	\$153
4 101000 HIMIN - 50	ior AB standards, an applications	customer		341.88	342.00	0.3%	0		Dig.	1 C Z &	1076		٥		Ģ.	7674	707¢
03 - NMP000116P	e	customer		\$5.28	\$5.28	%0.0	9		\$0	\$32	\$32		9		\$0	\$32	\$32
03 - NMP000119P	CR EF DB Cable/ft	customer		\$0.48	\$0.48	%0.0	284		<b>0</b> \$	\$136	\$136		284		80	\$136	\$136
1913882104	TOWN OF HAMIJN HILL CREST SUBBIX SC	SUBDIV	SC 5														
03 - NMP0000002	100W	customer	118	\$7.08	\$7.08	%0.0	13	96£'9	\$553	\$92	\$645	347.50	13	96£'9	\$554	\$92	\$647
03 - NMP0000003	150W	customer	173	\$7.32	\$7.32	0.0%	e 5	2,160	\$187	\$22	\$209	347.50	ω <u>(</u>	2,160	\$187	\$22	\$209
03 - NMP000057P		customer		\$22.68	\$22.68		33		G G	\$68	\$68		<u> </u>		G G	9200 868	988 888
03 - NMP000097P	Fiberglass, anchor base	customer		\$25.32	\$25.44		16		8	\$405	\$405		91		) S	\$407	\$407
03 - NMP000105P	for anchor base standard <= 16 ft	customer		\$74.28	\$74.52	0.3%	12		\$0	\$891	\$891		12		\$0	\$894	\$894
03 - NMP000107P	for AB standards, all applications	customer		\$41.88	\$42.00	0.3%	4		<b>0</b> \$	\$168	\$168		4		80	\$168	\$168
03 - NMP000116P	e	customer		\$5.28	\$5.28	0.0%	16		0\$	\$84	\$84		16		0\$	\$84	\$84
03 - NMP000119P	CR EF DB Cable/ft Edison 100	customer		\$0.48	\$0.48	0.0%	344 3		G G	\$165	\$165		344 3		S S	\$165	\$165 \$90
	OOT HOSING						n		€	9	9		)		2		
4973879108			Š	E	i e	č		i			į	1	!	i d			į
03 - NMP0000001 03 - NMP0000002		customer	86 118	\$7.08	\$7.08	%0.0 0.0%	15 24	5,376	\$465 \$1,021	\$106	\$571 \$1,191	347.50 347.50	15 24	5,3/6	\$466 \$1,024	\$106	\$572 \$1,194
03 - NMP0000003	150W	customer	304	\$7.32	\$7.32	%0:0	15	10,824	\$936	\$110	\$1,046		15	10,824	\$938	\$110	\$1,048
14 IVII 000000			5	ţ		0.0.0	t	2,2,5	1	) )	5		r	,,,	11	3	) 1

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NIAGARA MOHAWK POWER CORPORATION drba NATIONAL GRID P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Contract Street Lighting (Customer Contributory Provisions)

	0.3%	Proposed	Annual	Total	Revenue	(b)	888	\$190	\$1,119	\$652	\$1,848	\$113	819	\$190	\$51	\$616	\$150	\$720	\$369
	Increase	Proposed I		Facility			\$88	\$190	\$1,119	\$652	\$1,848	\$113	\$79	\$190	\$51	\$616	\$150	\$720	\$369
		Proposed	Annual	T&D	Revenue	(n)	<b>%</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
			Proposed	Annual	Usage	(m)													
		FY18	Avg	Fest	Units	(1)	4	10	44	10	44	15	ဂ	36	425	1,284	2	24	15
			Non	Leap Yr	Burns	(k)													
OIIS)		Rate Year 1	Annual	Total	Revenue	(j)	\$88	\$190	\$1,114	\$650	\$1,843	\$113	\$78	\$190	\$51	\$616	\$149	\$717	\$367
atory Frovisi		Rate Year 1	Annual	Facility	Revenue	(i)	\$88	\$190	\$1,114	\$650	\$1,843	\$113	\$78	\$190	\$51	\$616	\$149	\$717	\$367
		Rate Year 1		T&D	Revenue	(h)	0\$	\$0	\$0	\$0	\$0	<b>0</b> \$	\$0	\$0	\$0	\$0	0\$	<b>0</b> \$	\$0
igiring (Cust			Rate Year 1	Annual	Usage	(g)													
Condact Screet Lighting (Customer Continuatory Frontisions)			2016 Avg		Billed	Ð	4	10	4	10	44	15	3	36	425	1284	5	24	15
		Percent	Change	Facility	Price	(e)	%0.0	%0.0	0.5%	0.2%	0.3%	%0.0	0.5%	%0.0	%0.0	%0.0	0.4%	0.4%	0.5%
		Proposed	Annual	Facility	Price	(p)	\$22.08	\$18.96	\$25.44	\$65.16	\$42.00	\$7.56	\$26.28	\$5.28	\$0.12	\$0.48	\$30.00	\$30.00	\$24.60
		Rate Year 1	Annual	Facility	Price	(0)	\$22.08	\$18.96	\$25.32	\$65.04	\$41.88	\$7.56	\$26.16	\$5.28	\$0.12	\$0.48	\$29.88	\$29.88	\$24.48
		Billed	Watts	per	Lamp	(a)													
	0.08646				Ownership Lamp		customer	customer	customer	customer	customer	customer	customer	customer	customer	customer	customer	customer	customer
	Rate Year 1 T&D rate 0.08646 Proposed T&D rate 0.08669	0.26% increase			Description		Floodlight 250 customer	Roadway 70 customer	Fiberglass, anchor base customer	Fiberglass, anchor base customer	for AB standards, all applications customer	cable only	direct buried cable customer	direct buried cable customer	CR EF Cable Only/ft customer	CR EF DB Cable/ft customer	Traditional 70 customer	Traditional 100 customer	Traditional 150 customer
		hidden	column used by	SC5PRICES tab	to get RY1 PRICE		03 - NMP000032P	03 - NMP000049P	03 - NMP000097P	03 - NMP000099P	03 - NMP000107P	03 - NMP000110P	03 - NMP000111P	03 - NMP000116P	03 - NMP000118P	03 - NMP000119P	03 - NMP000309P	03 - NMP000315P	03 - NMP000321P

\$29,429	-\$93	
\$12,272	\$0	
IARGEI	PROPOSED MINUS TARGET	

141,564 \$ 12,240 \$ 59,182 \$

\$21,671

\$4,048

\$17,623

296,136

\$21,624

\$4,047

\$17,577

296,136

401

Annual Total

\$8,603

\$4,056

\$17,623 \$0

TARGET PROPOSED MINUS TARGET

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0.3% Increase NIAGARA MOHAWK POWER CORPORATION d'b/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Service Classification No. 6 - Street Lighting (Customer Owned, Company Maintained) Rate Year 1 T&D rate 0.059354

paso	ınal	Total	Revenue	(6			\$112	\$7,450	\$3,047	\$5,512	\$2,122	\$1,394	\$2,033	Ğ	00	80	80	80
d Proposed				(d)			\$30	692	\$557	809	139	8589	\$356	S	Oe ·	80	80	80
Proposec	Annual	Facility	Revenu	(0)				\$1,	S	S	S	<b>6</b> 9	8					
Proposed	Annual	T&D	Revenue	(u)			\$82	\$5,681	\$2,490	\$4,904	\$1,983	908\$	\$1,677	6	06	80	80	80
	Proposed	Annual	Usage	(m)			1,380	95,460	41,844	82,404	33,324	13,536	28,188					
FY'18	Avg	Fest	Units	(1)			4	194	28	65	17	Ξ	52				,	
	Non	Leap Yr	Burns	(k)			347.50	347.50	347.50	347.50	347.50	347.50	347.50	9	00.067	730.00	730.00	730.00
Rate Year 1	Annual	Total	Revenue	(j)			\$112	\$7,435	\$3,040	\$5,499	\$2,117	\$1,391	\$2,029	Ğ	06	80	80	80
Rate Year 1 F		Facility	Revenue	(i)			\$30	\$1,769	\$557	8098	\$139	\$587	\$356	Ğ	09	80	80	80
Rate Year 1 R							\$82	\$5,666	\$2,484	\$4,891	\$1,978	\$803	\$1,673	Ğ	06	80	80	80
	Rate Year 1	Annual	Usage	(g)			1,380	95,460	41,844	82,404	33,324	13,536	28,188					
	2016 Avg F		Billed	(t)			4	194	58	65	17	Ξ	52	c	>	0	0	0
Percent	Change	Facility	Price	(e)			%0.0	%0.0	%0.0	%0.0	%0.0	0.2%	%0.0	è	0.70	%0	%0	%0
Proposed	Annual	Facility	Price	(p)			\$7.92	\$9.12	89.60	89.36	\$8.16	\$53.52	\$6.84	2 1 1 6	00.76	88.76	\$10.08	\$10.56
Rate Year 1	Annual	Facility	Price	(c)			\$7.92	\$9.12	89.60	\$9.36	\$8.16	\$53.40	\$6.84		00.78	88.76	\$10.08	\$10.56
Billed	Watts	ber	Lamp	(a)			98	118	173	304	470	295	130	90	061	98	118	173
0.0000	Rate Year	Facility	Class	ļ			Closed	Closed	Closed	Closed	Closed	Closed	100W Closed	3		Closed	Closed	Closed
0.26% increase				Description	LAMPS	High Pressure Sodium	70W	100W	150W	250W	400W	Metal Halide 250 W	Mercury Vapor 100 W	Continuous Operation Additional Charge	M 100 M	HPS 70	HPS 100	HPS 150

48.05

12.391%

387.77

107.79

s

49.70

235.26

69

169.05 \$ 169.05

Case 17-E-0238
Appendix 2
Schedule 8.11b
Page 1 of 1

NIAGARA MOHAWK POWER CORPORATION db/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Replacement Cost Analysis
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Solve for equal % movement to Repl

HPS Roadway Lamps & Luminaires	& Luminaires				0	3% Target	0.3% Target % Increase				Proposed %	;	;	Adjusted Price
	Component	Current Price	Units	Current Revenue	Ta	Target Price	Target Revenue	Replacement Cost		Replacement Revenue	Movement to Replace Cost	Adjusted Target Price	Adjusted Target Revenue	% Movement to Replace Cost
70W 100W 150W 250W 400W	NMP0000001 NMP0000002 NMP0000003 NMP0000004 NMP000006	\$8.04 \$8.04 \$8.04 \$8.04 \$6.04	7,945 16,165 6,729 5,899 1,199	\$63,876 \$129,968 \$54,098 \$47,425 \$9,636	~ ~ ~ ~ ~ ~ ~ <u>~</u>	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	64,044 130,310 54,240 47,549 9,662		10.36 10.36 10.36 10.36 10.36	\$82,284 \$167,422 \$69,687 \$61,091 \$12,413		8.07 8 8.07 8 8.07 8 8.07 8 8.07 8	64,153 130,532 54,332 47,630 9,678	
			38,007	1		÷		÷		÷	% SdH			
Roadway 70 Roadway 100 Roadway 150 Roadway 250 Roadway 400 Roadway, 1000	NMP000049P NMP000050P NMP000051P NMP000052P NMP00033P	\$55.80 \$55.80 \$55.80 \$55.80 \$55.80 \$55.80	7,945 16,165 6,729 5,899 1,199	\$443,320 \$902,020 \$375,454 \$329,142 \$66,879 \$9,018	55 55 55 55 55 55 126	55.95 \$ 55.95 \$ 55.95 \$ 55.95 \$ 55.95 \$ 55.95 \$	444,485 904,391 376,441 330,007 67,055 9,042	× × × × × ×	209.36 209.36 209.36 209.36 209.36	\$1,663,296 \$3,384,296 \$1,408,670 \$1,234,911 \$250,924 \$14,927		56.04 \$ 56.04 \$ 56.04 \$ 56.04 \$ 56.04 \$ 56.04 \$ 56.04 \$ 56.04 \$ 56.04 \$ 56.04 \$	445,242 905,930 377,082 330,569 67,169 9,057	
LED	Total HPS Lamp & Lumiaire % of repl	p & Lumiaire % of repla	38,007 Lumiaire % of replacement cost	\$2,432,008 29%		\$6°	\$2,438,403 0.3%			\$8,350,660	0.11%		\$2,442,552 0.43%	0.18%
LL Roadway LED-B LL Roadway LED-C LL Roadway LED-D LL Roadway LED-F	NMPLEDRWYB NMPLEDRWYC NMPLEDRWYD NMPLEDRWYF	83.88 88.68 110.28 119.28	12,055 18,784 5,899 1,270 38,007	\$1,011,175 \$1,665,728 \$650,498 \$151,467	88 88 110 119	84.10 \$ 1 88.91 \$ 1 110.57 \$ 119.59 \$	1,013,833 1,670,108 652,208 151,866	89 89 89 	159.21 161.60 177.59 223.39	\$1,919,245 \$3,035,336 \$1,047,561 \$283,678	LED %	0.14% 84.00 \$ 88.81 \$ 110.44 \$	1,012,627 1,668,121 651,432 151,685	%o1 0
		% of repla	otal LED % of replacement cost GRAND TOTAL	\$5,478,608 55% \$5,910,876	Target Revenue		\$5,488,013 0.3% \$5,926,418 0.3%			\$0,283,819 \$14,636,479	0.55% Ta	Target Revenue	\$5,926,418 0.26%	0.18%
	Storeroom Primary Materials	Storeroom Misc Materials	Rate Year Direct Materials Cost	Rate Year Materials Cost With Tax and Stores Handling	Rate Year Company Labor Cost	·	Rate Year Labor Cost with Fringe & Transportation Overhead	Total Rate Year Installation Cost with Capital Overhead	e Year on Cost h verhead	R Carrying Charge Rate	Ratio LED% to HPS % Replacement Cost Carrying Charge	33.14%		
Lamp Lamp Annual O&M Luminaire Bracket	\$ 11.06 \$ 69.42 \$ 143.05 \$ 212.47	\$ - 8 \$ 166.19 \$ 65.55 \$ 231.74	\$ 11.61 \$ 247.28 \$ 218.94 \$ 466.22	\$ 16.15 \$ 3.23 \$ 344.13 \$ 304.68 \$ 648.81	\$ 1.67 \$ 185.41 \$ 49.70 \$ 235.11	- \$ 1.67 \$ 5.41 \$ 9.70 \$ 55.11 \$	3.62 402.08 107.79 509.86	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	16.15 8.36 913.07 457.20 ,370.27	12.391% 16.724% 12.391%	\$ 2.00 \$ 8.36 \$ 152.70 \$ 56.65			
LED luminaire C (w/Bracket) D	C \$ 103.88 C \$ 114.48 D \$ 185.50 F \$ 388.80		\$ 109.03 \$ 120.15 \$ 194.69 \$ 408.06	\$ 151.72 \$ 167.21 \$ 270.94 \$ 567.87	\$ 185.41 \$ 185.41 \$ 185.41 \$ 185.41	411 S 411 S 411 S	402.08 402.08 402.08 402.08	8 8 8 8 8 E	720.67 736.15 839.88 1,136.82	15.424% 15.424% 15.424% 15.424%	\$ 111.16 \$ \$ \$ 113.55 \$ \$ \$ 129.55 \$ \$ \$ 175.35	159.21 161.60 177.59 223.39		

365 4,170

Days/Year Burn Hours/Year

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY

Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Development of Proposed Outage Credit Allowance
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

	14	(1)	(2)	(3)	(4)	(5)	(9)	(7)	(8)	(6)	(10)	(11)	(12)
		Billed	Annual		Percent	Proposed	Proposed	Forecast					Prorated
ate	Rate Year 1	Watts	kWh		Jo	Annual	Annual	Annual	Forecast	Gross	Total	Average	Average
Fac	Facility	Per	Per	Forecast	Total	Facility	T&D	Commodity	Delivery	Receipts	Annual	Charge	Charge
C	Class	Lamp	Lamp	Units	Units	Charge	Charge	Charge	Adjustments	Tax	Charge	Per Night	Per Night
štai	Standard	98	359	43,820	18.6%	\$8.04	\$31.12	\$12.17	\$2.49	\$0.54	\$54.36	\$0.15	\$0.02796
štai	Standard	118	492	82,836	35.2%	\$8.04	\$42.65	\$16.68	\$3.42	\$0.72	\$71.51	\$0.20	\$0.07047
štai	Standard	173	721	32,467	13.8%	\$8.04	\$62.50	\$24.44	\$5.01	\$1.01	\$101.00	\$0.28	\$0.03867
Şta	Standard	304	1,268	25,276	10.8%	\$8.04	\$109.92	\$42.99	\$8.81	\$1.71	\$171.47	\$0.47	\$0.05053
šta	Standard	470	1,960	6,153	7.6%	\$8.04	\$169.91	\$66.45	\$13.62	\$2.61	\$260.63	\$0.71	\$0.01858
Ü	Closed	1106	4,612	313	0.1%	\$16.44	\$399.81	\$156.36	\$32.04	\$6.11	\$610.76	\$1.67	\$0.00222
Şta	Standard	207	863	2,323	1.0%	\$55.56	\$74.81	\$29.26	\$6.00	\$1.67	\$167.30	\$0.46	\$0.00455
šta	Standard	295	1,230	275	0.1%	\$55.56	\$106.63	\$41.70	\$8.55	\$2.15	\$214.59	\$0.59	\$0.00069
sta	Standard	451	1,881	569	0.2%	\$55.56	\$163.06	\$63.77	\$13.07	\$2.98	\$298.44	\$0.82	\$0.00198
$\Box$	Closed	1078	4,495	7	%0.0	\$55.56	\$389.67	\$152.40	\$31.23	\$6.35	\$635.21	\$1.74	\$0.00001
ě	Obsolete	130	542	298	0.3%	\$6.84	\$46.99	\$18.38	\$3.77	\$0.77	\$76.75	\$0.21	\$0.00053
ě	Obsolete	211	880	1,462	%9.0	\$6.84	\$76.29	\$29.84	\$6.11	\$1.20	\$120.28	\$0.33	\$0.00205
ě	Obsolete	477	1,989	372	0.2%	\$6.84	\$172.43	\$67.43	\$13.82	\$2.63	\$263.15	\$0.72	\$0.00114
9	Obsolete	1095	4,566	4	%0.0	\$13.08	\$395.83	\$154.80	\$31.72	\$6.01	\$601.44	\$1.65	\$0.00003
sta	Standard	25	104	16,086	%8.9	\$84.00	\$9.02	\$3.53	\$0.72	86.08	\$98.25	\$0.27	\$0.01847
Şta	Standard	48	200	15,137	6.4%	\$88.80	\$17.34	\$6.78	\$1.39	\$1.15	\$115.46	\$0.32	\$0.02060
štai	Standard	96	400	5,963	2.5%	\$110.40	\$34.68	\$13.56	\$2.78	\$1.63	\$163.05	\$0.45	\$0.01141
šta	Standard	210	876	1,454	%9.0	\$119.40	\$75.94	\$29.70	86.09	\$2.33	\$233.46	\$0.64	\$0.00396
			Total	235 100	100 00%			Dro	Promocad SC 2 Outoga Gradit nar I omn nar Night	Outoga Cre	mo I war I	nor Night	20 27
			10tai	ZD1,CC7	I VV.V70			01.1	posed ac-2	Outage Civ	tan per nam	ıp pei inigiii.	17.00

Proposed Base T&D rate (a) 0.08669

	0.03001	0.00027	0.00363	0.033904		1.0101%	
Forecast Commodity Charges (2)	Electricity Supply Cost (Weighted)	Merchant Function Charge	Electricity Supply Reconciliation Mechanism	Sum		Revenue Tax on Delivery and Commodity Bill 1.0101%	
	900000	0.001189	0.000000	0.005701	0.000000	0.00000	0.00695
Forecast Volumetric Delivery Adjustments (b)	DLM Surcharge 0.00006	Legacy Transition Charge 0.001189	Renewable Portfolio Surcharge 0.000000	System Benefit Charge 0.005701	Incremental Statement Assessment Surcharge 0.000000	Transmission Revenue Adjustment 0.00000	0 mnS

<sup>(</sup>a) Source: Appendix 2, Schedule 8.2b (b) Source: Appendix 2, Schedule 8.14b

# NIAGARA MOHAWK POWER CORPORATION d'bba NATIONAL GRID P.S.C. No. 214 ELECTRICITY Rate Year 2 Revenue at Rate Year 1 and Proposed Rates Development of Proposed Outage Credit Allowance Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)

Forecast         Forecast         Forecast         Gross         Total         Average           Of         Annual         Annual         Annual         Annual         Annual         Annual         Annual         Charge         Charge         Adjustments         Tax         Charge         Per Night           See note         22.3%         n/a         \$21.36         \$12.17         \$2.49         \$0.36         \$36.38         \$0.10           see note         42.2%         n/a         \$42.91         \$24.44         \$5.01         \$5.03         \$5.98         \$0.14           see note         16.5%         n/a         \$42.91         \$24.44         \$5.01         \$5.03         \$5.98         \$0.14           see note         12.9%         n/a         \$75.46         \$15.63         \$13.62         \$12.85         \$5.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$6.35         \$			(1)	(2)	(3)	(4)	(5)	(9)	(/)	(8)	(6)	(10)	(11)	(12)
Rate Year I         Watts         kWh         of         Annual         Annual         Annual         Annual         Annual         Freeingt         Gross         Total         Average           Class         Lamp         Units         Units         Charge         Charge         Charge         Charge         Adjustments         Tax         Charge         Per Night           V         Standard         186         359         see note         22.3%         n/a         \$22.93         \$16.68         \$3.42         \$0.50         \$49.88         \$0.10           V         Standard         173         721         see note         12.2%         n/a         \$22.93         \$16.68         \$3.42         \$0.50         \$49.88         \$0.10           V         Standard         173         721         see note         12.9%         n/a         \$75.46         \$42.99         \$8.81         \$1.29         \$1.28         \$0.50         \$49.88         \$0.14           V         Standard         470         1,960         see note         12.9%         n/a         \$57.44         \$5.01         \$7.30         \$1.28           V         Standard         207         4,612         see note         12.9			Billed	Annual		Percent	Proposed	Proposed	Forecast					Prorated
Facility   Per   Per   Forecast   Total   Facility   T&D   Commodity   Delivery   Receipts   Annual   Charge   Class   Lamp   Lamp   Units   Units   Charge   Charge   Charge   Adjustments   Tax   Charge   Per Night		Rate Year 1	Watts	kWh		Jo	Annual	Annual	Annual	Forecast	Gross	Total	Average	Average
Class         Lamp         Lamp         Units         Charge         Charge         Charge         Charge         Charge         Adjustments         Tax         Charge         Per Night           7         Standard         86         359         see note         42.2%         n/a         \$29.28         \$16.68         \$3.42         \$0.56         \$49.88         \$0.10           7         Standard         113         492         see note         12.2%         n/a         \$72.94         \$8.61         \$0.50         \$49.88         \$0.10           8         Standard         173         12.28         see note         12.2%         n/a         \$16.64         \$8.44         \$8.05         \$49.88         \$0.10           8         Standard         470         1,960         see note         12.2%         n/a         \$274.46         \$156.36         \$32.04         \$4.68         \$467.54         \$1.28           9         Closed         1,106         4,612         see note         12.2%         n/a         \$573.26         \$5.04         \$4.68         \$467.54         \$1.28           9         1,106         4,612         see note         0.2%         n/a         \$573.26         \$5.04		Facility	Per	Per	Forecast	Total	Facility	T&D	Commodity		Receipts	Annual	Charge	Charge
Standard         86         359         see note         22.3%         n/a         \$21.36         \$12.17           Standard         118         492         see note         42.2%         n/a         \$29.28         \$16.68           Standard         173         721         see note         16.5%         n/a         \$42.91         \$24.44           Standard         470         1,960         see note         12.9%         n/a         \$516.64         \$86.45           Closed         1,106         4,612         see note         0.2%         n/a         \$514.46         \$156.36           Standard         207         863         see note         0.1%         n/a         \$51.36         \$59.26           Standard         451         1,881         see note         0.1%         n/a         \$51.19         \$65.77           Closed         1078         4,495         see note         0.0%         n/a         \$507.50         \$152.46           Obsolete         130         542         see note         0.0%         n/a         \$5267.50         \$152.48           Obsolete         211         880         see note         0.2%         n/a         \$5271.72         \$154.8	Dusk-to-Dawn Lamp	Class	Lamp	Lamp	Units	Units	Charge	Charge	Charge	Adjustments		Charge	Per Night	Per Night
0W         Standard         86         359         see note         22.3%         n/a         \$21.36         \$12.17           0W         Standard         118         492         see note         42.2%         n/a         \$29.28         \$16.68           0W         Standard         173         721         see note         16.5%         n/a         \$52.91         \$24.44           0W         Standard         470         1,960         see note         12.9%         n/a         \$516.64         \$66.45           5W         Closed         1,106         4,612         see note         0.2%         n/a         \$517.46         \$156.36           5W         Standard         207         863         see note         0.1%         n/a         \$51.36         \$59.26           0W         Standard         451         1,881         see note         0.1%         n/a         \$51.29         \$51.70           0W         Closed         1078         4,495         see note         0.0%         n/a         \$56.75         \$52.24           5W         Obsolete         130         542         see note         0.7%         n/a         \$52.77         \$52.84	High Pressure Sodium													
0W         Standard         118         492         see note         42.2%         n/a         \$29.28         \$16.68           0W         Standard         173         721         see note         16.5%         n/a         \$42.91         \$24.44           0W         Standard         470         1,960         see note         12.9%         n/a         \$516.64         \$56.45           0W         Closed         1,106         4,612         see note         0.2%         n/a         \$573.46         \$156.36           5W         Standard         295         1,230         see note         0.1%         n/a         \$511.64         \$56.45           0W         Standard         295         1,230         see note         0.1%         n/a         \$51.36         \$59.26           0W         Standard         451         1,881         see note         0.1%         n/a         \$511.19         \$65.77           0W         Closed         1078         4,495         see note         0.0%         n/a         \$267.50         \$152.46           5W         Obsolete         130         542         see note         0.7%         n/a         \$523.77         \$29.84 <t< td=""><td>70W</td><td></td><td>98</td><td>359</td><td>see note</td><td>22.3%</td><td>n/a</td><td>\$21.36</td><td>\$12.17</td><td>\$2.49</td><td>\$0.36</td><td>\$36.38</td><td>\$0.10</td><td>\$0.02230</td></t<>	70W		98	359	see note	22.3%	n/a	\$21.36	\$12.17	\$2.49	\$0.36	\$36.38	\$0.10	\$0.02230
0W         Standard         173         721         see note         16.5%         n/a         \$42.91         \$24.44           0W         Standard         304         1,268         see note         12.9%         n/a         \$75.46         \$42.99           0W         Standard         470         1,960         see note         0.2%         n/a         \$71.64         \$54.29           5W         Closed         1,106         4,612         see note         0.2%         n/a         \$71.64         \$156.36           5W         Standard         295         1,230         see note         0.1%         n/a         \$73.20         \$41.70           0W         Standard         451         1,881         see note         0.3%         n/a         \$511.94         \$63.77           0W         Closed         1078         4,495         see note         0.0%         n/a         \$267.50         \$152.46           5W         Obsolete         130         542         see note         0.7%         n/a         \$523.77         \$29.84           6W         Obsolete         1095         4,566         see note         0.0%         n/a         \$51.83         \$67.43 <tr< td=""><td>100W</td><td></td><td>118</td><td>492</td><td>see note</td><td>42.2%</td><td>n/a</td><td>\$29.28</td><td>\$16.68</td><td>\$3.42</td><td>\$0.50</td><td>\$49.88</td><td>\$0.14</td><td>\$0.05903</td></tr<>	100W		118	492	see note	42.2%	n/a	\$29.28	\$16.68	\$3.42	\$0.50	\$49.88	\$0.14	\$0.05903
0W         Standard         304         1,268         see note         12.9%         n/a         \$75.46         \$42.99           0W         Standard         470         1,960         see note         3.1%         n/a         \$116.64         \$66.45           0W         Closed         1,106         4,612         see note         0.2%         n/a         \$274.46         \$156.36           5W         Standard         295         1,230         see note         0.1%         n/a         \$51.36         \$29.26           0W         Standard         451         1,881         see note         0.1%         n/a         \$51.19         \$63.77           0W         Closed         1078         4,495         see note         0.0%         n/a         \$527.50         \$182.48           5W         Obsolete         130         542         see note         0.0%         n/a         \$5267.50         \$182.48           6W         Obsolete         130         542         see note         0.7%         n/a         \$52.37         \$29.84           0W         Obsolete         1095         4,566         see note         0.0%         n/a         \$571.72         \$154.88 <td>150W</td> <td></td> <td>173</td> <td>721</td> <td>see note</td> <td>16.5%</td> <td>n/a</td> <td>\$42.91</td> <td>\$24.44</td> <td>\$5.01</td> <td>\$0.73</td> <td>\$73.09</td> <td>\$0.20</td> <td>\$0.03305</td>	150W		173	721	see note	16.5%	n/a	\$42.91	\$24.44	\$5.01	\$0.73	\$73.09	\$0.20	\$0.03305
0W         Standard         470         1,960         see note         3.1%         n/a         \$116.64         \$66.45           0W         Closed         1,106         4,612         see note         0.2%         n/a         \$274.46         \$156.36           5W         Standard         295         1,230         see note         0.1%         n/a         \$51.36         \$29.26           0W         Standard         451         1,881         see note         0.1%         n/a         \$111.94         \$63.77           0W         Closed         1078         4,495         see note         0.0%         n/a         \$267.50         \$152.44           0W         Obsolete         130         542         see note         0.3%         n/a         \$267.50         \$183.88           5W         Obsolete         211         880         see note         0.7%         n/a         \$52.37         \$29.84           0W         Obsolete         1095         4,566         see note         0.0%         n/a         \$571.72         \$154.88	250W		304	1,268	see note	12.9%	n/a	\$75.46	\$42.99	\$8.81	\$1.29	\$128.55	\$0.35	\$0.04503
OW         Closed         1,106         4,612         see note         0.2%         n/a         \$274.46         \$156.36           SW         Standard         207         863         see note         1.2%         n/a         \$51.36         \$29.26           OW         Standard         451         1,881         see note         0.1%         n/a         \$71.19         \$64.70           OW         Closed         1078         4,495         see note         0.0%         n/a         \$267.50         \$152.44           OW         Obsolete         130         542         see note         0.3%         n/a         \$5267.50         \$18.38           SW         Obsolete         211         880         see note         0.7%         n/a         \$52.37         \$29.84           OW         Obsolete         1095         4,566         see note         0.0%         n/a         \$5118.37         \$67.43	400W		470	1,960	see note	3.1%	n/a	\$116.64	\$66.45	\$13.62	\$1.99	\$198.70	\$0.54	\$0.01691
5W         Standard         207         863         see note         1.2%         n/a         \$51.36         \$29.26           0W         Standard         451         1,230         see note         0.1%         n/a         \$73.20         \$41.70           0W         Standard         451         1,881         see note         0.3%         n/a         \$111.94         \$63.77           0W         Closed         1078         4,495         see note         0.0%         n/a         \$267.50         \$152.44           0W         Obsolete         130         542         see note         0.7%         n/a         \$52.37         \$29.84           0W         Obsolete         211         880         see note         0.7%         n/a         \$51.83           0W         Obsolete         477         1,989         see note         0.0%         n/a         \$118.37         \$67.43           0W         Obsolete         1095         4,566         see note         0.0%         n/a         \$271.72         \$154.80	1000W		1,106	4,612	see note	0.2%	n/a	\$274.46	\$156.36	\$32.04	\$4.68	\$467.54	\$1.28	\$0.00204
SW         Standard         207         863         see note         1.2%         n/a         \$51.36         \$29.26           0W         Standard         451         1,230         see note         0.1%         n/a         \$73.20         \$41.70           0W         Standard         451         1,881         see note         0.3%         n/a         \$111.94         \$63.77           0W         Closed         1078         4,495         see note         0.0%         n/a         \$267.50         \$152.46           5W         Obsolete         130         542         see note         0.7%         n/a         \$32.25         \$18.38           5W         Obsolete         477         1,989         see note         0.2%         n/a         \$118.37         \$67.43           0W         Obsolete         1095         4,566         see note         0.0%         n/a         \$118.37         \$67.43	Metal Halide													
0W         Standard         295         1,230         see note         0.1%         n/a         \$73.20         \$41.70           0W         Standard         451         1,881         see note         0.3%         n/a         \$111.94         \$63.77           0W         Closed         1078         4,495         see note         0.0%         n/a         \$267.50         \$152.46           5W         Obsolete         130         542         see note         0.7%         n/a         \$32.25         \$18.38           5W         Obsolete         211         880         see note         0.2%         n/a         \$118.37         \$67.43           0W         Obsolete         1095         4,566         see note         0.0%         n/a         \$118.37         \$67.43	175W		207	863	see note	1.2%	n/a	\$51.36	\$29.26	\$6.00	\$0.87	\$87.49	\$0.24	\$0.00284
0W         Standard         451         1,881         see note         0.3%         n/a         \$111.94         \$63.77           0W         Closed         1078         4,495         see note         0.0%         n/a         \$267.50         \$152.46           0W         Obsolete         130         542         see note         0.3%         n/a         \$32.25         \$18.38           5W         Obsolete         211         880         see note         0.7%         n/a         \$52.37         \$29.84           0W         Obsolete         477         1,889         see note         0.2%         n/a         \$118.37         \$67.43           0W         Obsolete         1095         4,566         see note         0.0%         n/a         \$271.72         \$154.80	250W		295	1,230	see note	0.1%	n/a	\$73.20	\$41.70	\$8.55	\$1.25	\$124.70	\$0.34	\$0.00048
OW         Closed         1078         4,495         see note         0.0%         n/a         \$267.50         \$152.46           0W         Obsolete         130         542         see note         0.3%         n/a         \$32.25         \$18.38           5W         Obsolete         211         880         see note         0.7%         n/a         \$52.37         \$29.84           0W         Obsolete         477         1,989         see note         0.2%         n/a         \$118.37         \$67.43           0W         Obsolete         1095         4,566         see note         0.0%         n/a         \$271.72         \$154.80	400W		451	1,881	see note	0.3%	n/a	\$111.94	\$63.77	\$13.07	\$1.91	\$190.69	\$0.52	\$0.00151
0W         Obsolete         130         542         see note         0.3%         n/a         \$32.25         \$18.38           5W         Obsolete         211         880         see note         0.7%         n/a         \$52.37         \$29.84           0W         Obsolete         477         1,989         see note         0.2%         n/a         \$118.37         \$67.43           0W         Obsolete         1095         4,566         see note         0.0%         n/a         \$271.72         \$154.86	1000W		1078	4,495	see note	%0.0	n/a	\$267.50	\$152.40	\$31.23	\$4.56	\$455.69	\$1.25	\$0.00001
Obsolete         130         542         see note         0.3%         n/a         \$32.25         \$18.38           Obsolete         211         880         see note         0.7%         n/a         \$52.37         \$29.84           Obsolete         477         1,989         see note         0.2%         n/a         \$118.37         \$67.43           Obsolete         1095         4,566         see note         0.0%         n/a         \$271.72         \$154.80	Mercury Vapor													
Obsolete 211 880 see note 0.7% n/a \$52.37 \$29.84 Obsolete 477 1,989 see note 0.2% n/a \$118.37 \$67.43 Obsolete 1095 4,566 see note 0.0% n/a \$271.72 \$154.80	100W		130	542	see note	0.3%	n/a	\$32.25	\$18.38	\$3.77	\$0.55	\$54.95	\$0.15	\$0.00046
Obsolete 477 1,989 see note 0.2% n/a \$118.37 \$67.43 Obsolete 1095 4,566 see note 0.0% n/a \$271.72 \$154.87	175W		211	880	see note	0.7%	n/a	\$52.37	\$29.84	\$6.11	80.89	\$89.21	\$0.24	\$0.00179
Obsolete 1095 4,566 see note 0.0% n/a \$271.72 \$154.80	400W		477	1,989	see note	0.2%	n/a	\$118.37	\$67.43	\$13.82	\$2.02	\$201.64	\$0.55	\$0.00104
100.007	1000W		1095	4,566	see note	%0.0	n/a	\$271.72	\$154.80	\$31.72	\$4.63	\$462.87	\$1.27	\$0.0000
				Total		100.0%			Prc	posed SC-3 (	Outage Cre	dit per Lam	np per Night:	\$0.19

0.05951
(a)
rate
ľ&D
Base
Proposed

Days/Year 365	Burn Hours/Year 4,170						
	0.03001	0.00027	0.00363	Sum 0.033904		1.0101%	
Forecast Commodity Charges (2)	Electricity Supply Cost (Weighted)	Merchant Function Charge	Electricity Supply Reconciliation Mechanism	Sum		Revenue Tax on Delivery and Commodity Bill 1.0101%	
Forecast Volumetric Delivery Adjustments (b)	DLM Surcharge 0.00006	Legacy Transition Charge 0.001189	Renewable Portfolio Surcharge 0.000000	System Benefit Charge 0.005701	Incremental Statement Assessment Surcharge 0.000000	Transmission Revenue Adjustment 0.00000	Sum 0.00695

<sup>(</sup>a) Source: Appendix 2, Schedule 8.2b (b) Source: Appendix 2, Schedule 8.14b

NOTE: Since quantities are unknown in SC3, a weighted % based upon the SC2 data is used.

## NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID

P.S.C. No. 214 ELECTRICITY

### Development of Proposed Outage Credit Allowance Service Classification No. 6 - Street Lighting (Customer Owned, Company Maintained) Rate Year 2 Revenue at Rate Year 1 and Proposed Rates

	11	(1)	(2)	(3)	(4)	(5)	(9)	(7)	(8)	(6)	(10)	(11)	(12)
		Billed	Annual	Avg	Percent	Proposed	Proposed	Forecast					Prorated
	Rate Year 1	Watts	kWh	Monthly	Jo	Annual	Annual	Annual	Forecast	Gross	Total	Average	Average
	Facility	Per	Per	Forecast	Total	Facility	T&D	Commodity	Commodity Delivery	Receipts	Annual	Charge	Charge
Dusk-to-Dawn Lamp	Class	Lamp	Lamp	Units	Units	Charge	Charge	Charge	Adjustments	Tax	Charge	Per Night	Per Night
High Pressure Sodium													
70W		98	359	4	1.0%	\$7.92	\$21.36	\$12.17	\$2.49	\$0.44	\$44.38	\$0.12	\$0.00115
100W	Closed	118	492	194	48.4%	\$9.12	\$29.28	\$16.68	\$3.42	\$0.59	\$59.09	\$0.16	\$0.07744
150W		173	721	58	14.5%	89.60	\$42.91	\$24.44	\$5.01	\$0.83	\$82.79	\$0.23	\$0.03328
250W		304	1,268	65	16.2%	\$9.36	\$75.46	\$42.99	\$8.81	\$1.38	\$138.00	\$0.38	\$0.06162
400W		470	1,960	17	4.2%	\$8.16	\$116.64	\$66.45	\$13.62	\$2.07	\$206.94	\$0.57	\$0.02417
Metal Halide													
250W	Closed	295	1,230	Ξ	2.7%	\$53.52	\$73.20	\$41.70	\$8.55	\$1.79	\$178.76	\$0.49	\$0.01345
Mercury Vapor													
100W	Closed	130	542	52	13.0%	\$6.84	\$32.25	\$18.38	\$3.77	\$0.62	\$61.86	\$0.17	\$0.02205
			Total	401	401 100.0%			Pro	Proposed SC-6 Outage Credit per Lamp per Night	utage Cre	dit per Lam	p per Night:	\$0.23

Proposed Base T&D rate (a) 0.05951

Forecast Commodity Charges (2)
Electricity Supply Cost (Weighted)
Merchant Function Charge Electricity Supply Reconciliation Mechanism DLM Surcharge 0.00006 Legacy Transition Charge 0.001189 Renewable Portfolio Surcharge 0.000000 System Benefit Charge 0.005701 Incremental Statement Assessment Surcharge 0.000000 Transmission Revenue Adjustment 0.00000 Sum 0.00695 Forecast Volumetric Delivery Adjustments (b)

Revenue Tax on Delivery and Commodity Bill 1.0101%

365 4,170

Burn Hours/Year Days/Year

0.03001 0.00027 0.00363 0.033904

Sum

(a) Source: Appendix 2, Schedule 8.2b (b) Source: Appendix 2, Schedule 8.14b

Case 17-E-0238 Appendix 2 Schedule 8.14b Page 1 of 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID

P.S.C. NO. 214 ELECTRICITY
Rate Year I and Proposed Volumetric Rates for Customer Impact Analysis
RATE YEAR 2

	Rate Yea SC-1 SC	(ear 2 (FY 2020) a SC-2/Contract	Rate Year 2 (FY 2020) at Rate Year 1 Rates SC-2/Contract SC-3/SC-6 S	tes SC-4	Rate Yea SC-1 St	Rate Year 2 (FY 2020) at Proposed Rates SC-2/Contract SC-3/SC-6	at Proposed Rate SC-3/SC-6	s SC-4	SC-1 SC	SC-2/Contract SC-3/SC-6	inge in Rate SC-3/SC-6	SC-4
Electricity Supply Cost - Western	0.02586	0.02586	0.02586	0.03305	0.02586	0.02586	0.02586	0.03305	%0:0	%0.0	%0.0	0.0%
Electricity Supply Cost - Central	0.02606	0.02606	0.02606	0.03199	0.02606	0.02606	0.02606	0.03199	0.0%	%0:0	%0.0	%0.0
Electricity Supply Cost - Eastern	0.03812	0.03812	0.03812	0.04356	0.03812	0.03812	0.03812	0.04356	0.0%	%0:0	%0.0	%0:0
MFC (Merchant Function Charge)	0.00027	0.00027	0.00027	0.00027	0.00027	0.00027	0.00027	0.00027	0.0%	%0:0	%0.0	%0.0
MFC (Merchant Function Charge %) ESRM & CESS	0.778%	0.778%	0.778% 0.00363	0.778%	0.778%	0.778%	0.778%	0.778%	%0.0 %0.0	%0:0 %0:0	%0:0 0:0%	%0:0 0:0%
FOTAL COMMODITY (WESTERN)	0.029957	0.029957	0.029957	0.037211	0.029957	0.029957	0.029957	0.037211	%0:0	%0:0	%0:0	0.0%
FOTAL COMMODITY (CENTRAL)	0.030166	0.030166	0.030166	0.036141	0.030166	0.030166	0.030166	0.036141	%0.0	%0.0	%0.0	0.0%
TOTAL COMMODITY (EASTERN)	0.042313	0.042313	0.042313	0.047802	0.042313	0.042313	0.042313	0.047802	%0.0	0.0%	0.0%	%0.0
Base T&D Rates	0.08646	0.08646	0.05935	0.01080	0.08669	0.08669	0.05951	0.01083	0.3%	0.3%	0.3%	0.2%
DLM	0.000057	0.000057	0.000057	0.0000057	0.000057	0.000057	0.000057	0.0000057	%0:0	0.0%	%0.0	0.0%
LTC (Legacy Transition Charge)	0.001189	0.001189	0.001189	0.001189	0.001189	0.001189	0.001189	0.001189	%0:0	0.0%	%0.0	%0.0
SBC w/ EE (System Benefit Charge)	0.005701	0.005701	0.005701	0.005701	0.005701	0.005701	0.005701	0.005701	%0:0	0.0%	%0.0	%0.0
Clean Energy Supply - Deilvery	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0%	0.0%	0.0%	%0.0
Transmission Revenue Adjustment (TRA)	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0%	0.0%	0.0%	%0.0
DELIVERY SUM	0.093410	0.093410	0.066301	0.017751	0.093637	0.093637	0.066457	0.017777	0.2%	0.2%	0.2%	0.1%
TOTAL VOLUMETRIC RATE (WESTERN) TOTAL VOLUMETRIC RATE (CENTRAL) TOTAL VOLUMETRIC RATE (EASTERN)	0.123367 0.123576 0.135723	0.123367 0.123576 0.135723	0.096258 0.096467 0.108614	0.054962 0.053892 0.065552	0.123594 0.123803 0.135950	0.123594 0.123803 0.135950	0.096414 0.096623 0.108770	0.054988 0.053918 0.065579	0.2% 0.2% 0.2%	0.2% 0.2% 0.2%	0.2% 0.2% 0.1%	0.0% 0.0%

<sup>(1)</sup> Company forecast supporting Appendix 2, Schedule 2
(2) Appendix 2, Schedule 7.1
(3) Forecast ESRM is set to zero for reconciliation adjustments, plus CESS.
(4) Appendix 2, Schedule 8.1b
(5) to (9) Forecast rates are from Appendix 2, Schedule 4

Average Total Bill Percent Increases by Service Class RY2

·	Rate Year 1 Usage	Rate Year 1 T&D	Rate Year 1 Facility	Rate Year 1 T&D Surcharges	Rate Year 1 Commodity	Rate Year 1 Total Bill	Revenue Requirement Increase	Average Percent Total Bill Increase	Increase on T&D & Facility Revenue
SC-1	21,736,230	\$1,879,369 43%	\$1,639,723 37%	\$151,008 3%	\$703,310 16%	\$4,373,410	\$9,253	0.2%	0.3%
SC-2	140,352,171	\$12,135,201 22%	\$36,428,103 67%	\$975,066 2%	\$4,541,313 8%	\$54,079,683	\$127,691	0.5%	0.3%
SC-3	9,032,444	\$536,113 60%	\$7,408 1%	\$62,751 7%	\$292,259 33%	\$898,530	\$1,429	0.2%	0.3%
SC-4	8,970,329	\$96,911 7%	\$845,567 63%	\$62,319 5%	\$341,268 25%	\$1,346,065	\$2,478	0.2%	0.3%
SC-5	141,564	\$12,240 16%	\$59,273 77%	\$983 1%	\$4,581 6%	\$77,077	\$188	0.5%	0.3%
SC-6	296,136	\$17,577 53%	\$4,045 12%	\$2,057 6%	\$9,582 29%	\$33,262	\$57	0.5%	0.3%
	180,528,874	\$ 14,677,413	\$ 38,984,122	\$ 1,254,185 \$	\$ 5,892,313	\$ 60,808,026	\$ 141,096	0.2%	0.3%

	S	C1 Custo	mer Bill Im	pact Analy	sis F	RY2	
			# cust	% of cust		\$ Impact	Impact/cust
Decrease of		<-10%	0	0.0%	\$	-	
Decrease of	-10%	-9%	0	0.0%	\$	-	
Decrease of	-9%	-8%	0	0.0%	\$	-	
Decrease of	-8%	-7%	0	0.0%	\$	-	
Decrease of	-7%	-6%	0	0.0%	\$	-	
Decrease of	-6%	-5%	0	0.0%	\$	-	
Decrease of	-5%	-4%	0	0.0%	\$	-	
Decrease of	-4%	-3%	0	0.0%	\$	-	
Decrease of	-3%	-2%	0	0.0%	\$	-	
Decrease of	-2%	-1%	0	0.0%	\$	-	
Decrease of	-1%	0%	2606	42.7%	\$	(2,269)	\$ (1)
Increase of	0%	1%	3492	57.3%	\$	4,109	\$ 1
Increase of	1%	2%	0	0.0%	\$	-	
Increase of	2%	3%	0	0.0%	\$	-	
Increase of	3%	4%	0	0.0%	\$	-	
Increase of	4%	5%	0	0.0%	\$	-	
Increase of	5%	6%	0	0.0%	\$	-	
Increase of	6%	7%	0	0.0%	\$	-	
Increase of	7%	8%	0	0.0%	\$	-	
Increase of	8%	9%	0	0.0%	\$	-	
Increase of	9%	10%	0	0.0%	\$	-	
Increase of	10%	11%	0	0.0%	\$	-	
Increase of	11%	12%	0	0.0%	\$	-	
Increase of	12%	13%	0	0.0%	\$	-	
Increase of	13%	14%	0	0.0%	\$	-	
Increase of	14%	15%	0	0.0%	\$	-	
Increase of	15%	16%	0	0.0%	\$	-	
Increase of	16%	17%	0	0.0%	\$	-	
Increase of	17%	18%	0	0.0%	\$	-	
Increase of	18%	19%	0	0.0%	\$	-	
Increase of	19%	20%	0	0.0%	\$	-	
Increase of	20%	23%	0	0.0%	\$	-	
Increase of	23%	26%	0	0.0%	\$	-	
Increase of		>30%	0	0.0%	\$	-	
Totals	(annual i	impact)	6098	100%	\$	1,839	\$ 0

	SC	C2 Custor	ner Bill Im	pact Analy	sis	RY2	
			# cust	% of cust		\$ Impact	Impact/cus
Decrease of		<-10%	0	0%	\$	-	•
Decrease of	-10%	-9%	0	0%	\$	-	
Decrease of	-9%	-8%	0	0%	\$	-	
Decrease of	-8%	-7%	0	0%	\$	-	
Decrease of	-7%	-6%	0	0%	\$	-	
Decrease of	-6%	-5%	0	0%	\$	-	
Decrease of	-5%	-4%	0	0%	\$	-	
Decrease of	-4%	-3%	0	0%	\$	-	
Decrease of	-3%	-2%	0	0%	\$	-	
Decrease of	-2%	-1%	0	0%	\$	-	
Decrease of	-1%	0%	273	36%	\$	(5,223)	\$ (19
Increase of	0%	1%	491	64%	\$	78,185	\$ 159
Increase of	1%	2%	1	0%	\$	16	\$ 16
Increase of	2%	3%	0	0%	\$	-	
Increase of	3%	4%	0	0%	\$	-	
Increase of	4%	5%	0	0%	\$	-	
Increase of	5%	6%	0	0%	\$	-	
Increase of	6%	7%	0	0%	\$	-	
Increase of	7%	8%	0	0%	\$	-	
Increase of	8%	9%	0	0%	\$	-	
Increase of	9%	10%	0	0%	\$	-	
Increase of	10%	11%	0	0%	\$	-	
Increase of	11%	12%	0	0%	\$	-	
Increase of	12%	13%	0	0%	\$	-	
Increase of	13%	14%	0	0%	\$	-	
Increase of	14%	15%	0	0%	\$	-	
Increase of	15%	16%	0	0%	\$	-	
Increase of	16%	17%	0	0%	\$	-	
Increase of	17%	18%	0	0%	\$	-	
Increase of	18%	19%	0	0%	\$	-	
Increase of	19%	20%	0	0%	\$	-	
Increase of	20%	23%	0	0%	\$	-	
Increase of	23%	26%	0	0%	\$	-	
Increase of		>30%	0	0%	\$	-	
Totala	(annual i	mnact\	765	100%	\$	72,978	\$ 95
iolais	(aiiiiudi i	inpacti	700	100%	Ψ	12,310	φ 90

	SC	C3 Custon	ner Bill Im	pact Analy	sis	RY2	
			# cust	% of cust		\$ Impact	Impact/cust
Decrease of		<-10%	0	0%	\$	-	
Decrease of	-10%	-9%	0	0%	\$	-	
Decrease of	-9%	-8%	0	0%	\$	-	
Decrease of	-8%	-7%	0	0%	\$	-	
Decrease of	-7%	-6%	0	0%	\$	-	
Decrease of	-6%	-5%	0	0%	\$	-	
Decrease of	-5%	-4%	0	0%	\$	-	
Decrease of	-4%	-3%	0	0%	\$	-	
Decrease of	-3%	-2%	0	0%	\$	-	
Decrease of	-2%	-1%	0	0%	\$	-	
Decrease of	-1%	0%	92	71%	\$	(1,686)	\$ (18)
Increase of	0%	1%	38	29%	\$	699	\$ 18
Increase of	1%	2%	0	0%	\$	-	
Increase of	2%	3%	0	0%	\$	-	
Increase of	3%	4%	0	0%	\$	-	
Increase of	4%	5%	0	0%	\$	-	
Increase of	5%	6%	0	0%	\$	-	
Increase of	6%	7%	0	0%	\$	-	
Increase of	7%	8%	0	0%	\$	-	
Increase of	8%	9%	0	0%	\$	-	
Increase of	9%	10%	0	0%	\$	-	
Increase of	10%	11%	0	0%	\$	-	
Increase of	11%	12%	0	0%	\$	-	
Increase of	12%	13%	0	0%	\$	-	
Increase of	13%	14%	0	0%	\$	-	
Increase of	14%	15%	0	0%	\$	-	
Increase of	15%	16%	0	0%	\$	-	
Increase of	16%	17%	0	0%	\$	-	
Increase of	17%	18%	0	0%	\$	-	
Increase of	18%	19%	0	0%	\$	-	
Increase of	19%	20%	0	0%	\$	-	
Increase of	20%	23%	0	0%	\$	-	
Increase of	23%	26%	0	0%	\$	-	
Increase of		>30%	0	0%	\$	-	
Totala	(annual :	mnact\	130	100%	\$	(007)	\$ (8)
iotais	(annual i	mpacti	130	100%	Ф	(987)	\$ (8)

	S	C4 Custon	ner Bill Im	pact Analy	sis F	RY2	
			# cust	% of cust		\$ Impact	Impact/cust
Decrease of		<-10%	0	0.0%	\$	-	-
Decrease of	-10%	-9%	0	0.0%	\$	-	
Decrease of	-9%	-8%	0	0.0%	\$	-	
Decrease of	-8%	-7%	0	0.0%	\$	-	
Decrease of	-7%	-6%	0	0.0%	\$	-	
Decrease of	-6%	-5%	0	0.0%	\$	-	
Decrease of	-5%	-4%	0	0.0%	\$	-	
Decrease of	-4%	-3%	0	0.0%	\$	_	
Decrease of	-3%	-2%	0	0.0%	\$	-	
Decrease of	-2%	-1%	0	0.0%	\$	-	
Decrease of	-1%	0%	35	25.9%	\$	(642)	\$ (18)
Increase of	0%	1%	100	74.1%	\$	2,102	\$ 21
Increase of	1%	2%	0	0.0%	\$	-	
Increase of	2%	3%	0	0.0%	\$	-	
Increase of	3%	4%	0	0.0%	\$	-	
Increase of	4%	5%	0	0.0%	\$	-	
Increase of	5%	6%	0	0.0%	\$	-	
Increase of	6%	7%	0	0.0%	\$	-	
Increase of	7%	8%	0	0.0%	\$	_	
Increase of	8%	9%	0	0.0%	\$	-	
Increase of	9%	10%	0	0.0%	\$	-	
Increase of	10%	11%	0	0.0%	\$	_	
Increase of	11%	12%	0	0.0%	\$	-	
Increase of	12%	13%	0	0.0%	\$	-	
Increase of	13%	14%	0	0.0%	\$	-	
Increase of	14%	15%	0	0.0%	\$	-	
Increase of	15%	16%	0	0.0%	\$	-	
Increase of	16%	17%	0	0.0%	\$	-	
Increase of	17%	18%	0	0.0%	\$	-	
Increase of	18%	19%	0	0.0%	\$	-	
Increase of	19%	20%	0	0.0%	\$	-	
Increase of	20%	23%	0	0.0%	\$	-	
Increase of	23%	26%	0	0.0%	\$	-	
Increase of		>30%	0	0.0%	\$	-	
Totals	(annual i	mnact)	135	100%	\$	1,459	\$ 11

	S	C5 Custor	mer Bill Im	pact Analy	sis	RY2	
			# cust	% of cust		\$ Impact	Impact/cust
Decrease of		<-10%	0	0.0%	\$	-	
Decrease of	-10%	-9%	0	0.0%	\$	-	
Decrease of	-9%	-8%	0	0.0%	\$	-	
Decrease of	-8%	-7%	0	0.0%	\$	-	
Decrease of	-7%	-6%	0	0.0%	\$	-	
Decrease of	-6%	-5%	0	0.0%	\$	-	
Decrease of	-5%	-4%	0	0.0%	\$	-	
Decrease of	-4%	-3%	0	0.0%	\$	-	
Decrease of	-3%	-2%	0	0.0%	\$	-	
Decrease of	-2%	-1%	0	0.0%	\$	-	
Decrease of	-1%	0%	1	16.7%	\$	(1)	\$ (1)
Increase of	0%	1%	5	83.3%	\$	1,003	\$ 201
Increase of	1%	2%	0	0.0%	\$	-	
Increase of	2%	3%	0	0.0%	\$	-	
Increase of	3%	4%	0	0.0%	\$	-	
Increase of	4%	5%	0	0.0%	\$	-	
Increase of	5%	6%	0	0.0%	\$	-	
Increase of	6%	7%	0	0.0%	\$	-	
Increase of	7%	8%	0	0.0%	\$	-	
Increase of	8%	9%	0	0.0%	\$	-	
Increase of	9%	10%	0	0.0%	\$	-	
Increase of	10%	11%	0	0.0%	\$	-	
Increase of	11%	12%	0	0.0%	\$	-	
Increase of	12%	13%	0	0.0%	\$	-	
Increase of	13%	14%	0	0.0%	\$	-	
Increase of	14%	15%	0	0.0%	\$	-	
Increase of	15%	16%	0	0.0%	\$	-	
Increase of	16%	17%	0	0.0%	\$	-	
Increase of	17%	18%	0	0.0%	\$	-	
Increase of	18%	19%	0	0.0%	\$	-	
Increase of	19%	20%	0	0.0%	\$	-	
Increase of	20%	23%	0	0.0%	\$	-	
Increase of	23%	26%	0	0.0%	\$	-	
Increase of		>30%	0	0.0%	\$	-	
Totals	(annual i	impact)	6	100%	\$	1,002	\$ 167

		o Custon		pact Analy % of cust	313 1		Impost/sus
Decree		4.400/	# cust		Φ.	\$ Impact	Impact/cus
Decrease of	400/	<-10%	0	0.0%	\$	-	
Decrease of	-10%	-9%	0	0.0%	\$	-	
Decrease of	-9%	-8%	0	0.0%	\$	-	
Decrease of	-8%	-7%	0	0.0%	\$	-	
Decrease of	-7%	-6%	0	0.0%	\$	-	
Decrease of	-6%	-5%	0	0.0%	\$	-	
Decrease of	-5%	-4%	0	0.0%	\$	-	
Decrease of	-4%	-3%	0	0.0%	\$	-	
Decrease of	-3%	-2%	0	0.0%	\$	-	
Decrease of	-2%	-1%	0	0.0%	\$	-	
Decrease of	-1%	0%	9	100.0%	\$	(216)	\$ (24
Increase of	0%	1%	0	0.0%	\$	-	
Increase of	1%	2%	0	0.0%	\$	-	
Increase of	2%	3%	0	0.0%	\$	-	
Increase of	3%	4%	0	0.0%	\$	-	
Increase of	4%	5%	0	0.0%	\$	-	
Increase of	5%	6%	0	0.0%	\$	-	
Increase of	6%	7%	0	0.0%	\$	-	
Increase of	7%	8%	0	0.0%	\$	-	
Increase of	8%	9%	0	0.0%	\$	-	
Increase of	9%	10%	0	0.0%	\$	-	
Increase of	10%	11%	0	0.0%	\$	-	
Increase of	11%	12%	0	0.0%	\$	-	
Increase of	12%	13%	0	0.0%	\$	-	
Increase of	13%	14%	0	0.0%	\$	-	
Increase of	14%	15%	0	0.0%	\$	-	
Increase of	15%	16%	0	0.0%	\$	-	
Increase of	16%	17%	0	0.0%	\$	-	
Increase of	17%	18%	0	0.0%	\$	-	
Increase of	18%	19%	0	0.0%	\$	-	
Increase of	19%	20%	0	0.0%	\$	-	
Increase of	20%	23%	0	0.0%	\$	-	
Increase of	23%	26%	0	0.0%	\$	-	
Increase of		>30%	0	0.0%	\$	-	
	(annual i		9	100%	φ \$	(216)	\$ (2

### **Customers with Price Exception's Total Bills Impacts RY2**

Price Exception Customer	Impact %	Impact \$
AMHERST CENTRAL SCHOOL DIST	0.14%	\$ 20
CHAUTAUQUA UTILITY DIST	0.33%	\$ 183
CITY OF BUFFALO	0.14%	\$ 13,827
CITY OF SCHENECTADY	-0.02%	\$ (197)
CITY OF SYRACUSE DPW	0.26%	\$ 11,394
CITY OF UTICA DPW	0.25%	\$ 4,331
MUSEUM OF SCIENCE & TEC	1.11%	\$ 16
TOWN OF AMHERST	0.20%	\$ 6,955
TOWN OF QUEENSBURY	-0.06%	\$ (106)
TOWN OF TONAWANDA	0.25%	\$ 5,493
VILLAGE OF KENMORE	0.33%	\$ 959
VILLAGE OF KINDERHOOK	0.17%	\$ 62
VILLAGE OF WILLIAMSVILLE	0.23%	\$ 207
		\$ 43,144

### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY

Development of Target Rate Year 3 Revenue Per Lighting Service Class

Forecast Rate Year 3 Revenue at Rate Year 2 Rates

Service Class	Proposed Usage	Rate Year 2 T&D Rate	T&D Revenue	Facility Revenue	Total Revenue	Pct. of Service Class Revenue from T&D <sup>3</sup>	Pct. of Total Revenue
SC-1	21,736,230	0.08669	\$1,884,311	\$1,644,035	\$3,528,345	53.4%	6.6%
SC-2	140,352,171	0.08669	\$12,167,109	\$36,523,886	\$48,690,995	25.0%	90.5%
Contract	141,564	0.08669	\$12,272	\$59,429	\$71,701	17.1%	0.1%
-	140,493,735		\$12,179,381	\$36,583,315	\$48,762,696	25.0%	90.6%
<sup>1</sup> SC-3	9,032,444	0.05951	\$537,523	\$7,427	\$544,950	98.6%	1.0%
SC-6	296,136	0.05951	\$17,623	\$4,056	\$21,679	81.3%	0.0%
-	9,328,580		\$555,146	\$11,483	\$566,629	98.0%	1.1%
<sup>2</sup> SC-4	8,970,329	0.01083	\$97,166	\$847,790	\$944,956	10.3%	1.8%
Total	180,528,874		\$14,716,003	\$39,086,623	\$53,802,627	27.4%	100.0%

- (1) The SC-3 facility revenue is from a single SC-3 contract customer.
- (2) The SC-4 basic service charges are included in "facility revenue" above and elsewhere, for convenience of Rate Year 2ation.
- (3) The total current revenue reflects the proper T&D contract rates, as compared to Appendix 2, Schedule 1.

Revenue Requirement Allocation <sup>1</sup> \$54,304,938

Target Revenue Dollar Increase % Increase \$54,304,938 \$502,312 0.9%

Target Rate Year Revenues

			1 aiget Ka	ate Tear Kevenues	,					
						Pct. of			Revenue	Revenue
		TF .				Service Class	Pct. of	Facility	Neutral	Neutral
Service	Proposed	Target				Revenue	Total	Price	SC1/SC2/Cnt	SC1/SC2/Cnt
Class	Usage	T&D Rate <sup>2</sup>	T&D Revenue	Facility Revenue	Total Revenue	from T&D	Revenue	Increase %	T&D Revenue	T&D Rate
SC-1	21,736,230	0.08750	\$1,901,903	\$1,659,384	\$3,561,287	53.4%	6.6%	0.9%	\$ 1,901,903	
SC-2	140,352,171	0.08750	\$12,280,703	\$36,864,881	\$49,145,584	25.0%	91.3%	0.9%	\$ 12,280,703	
Contract	141,564	0.08750	\$12,387	\$59,984	\$72,370	17.1%	0.1%	0.9%	\$ 12,387	
_	140,493,735		\$12,293,090	\$36,924,864	\$49,217,954	25.0%	91.5%		\$ 14,194,993	0.08750
SC-3	9,032,444	0.06007	\$542,541	\$7,496	\$550,037	98.6%	1.0%	0.9%		
SC-6	296,136	0.06007	\$17,788	\$4,094	\$21,881	81.3%	0.0%	0.9%		
-	9,328,580		\$560,329	\$11,590	\$571,919	98.0%	1.1%		•	
SC-4	8,970,329	0.01093	\$98,073	\$855,705	\$953,779	10.3%	1.8%	0.9%		
Total	180,528,874		\$14,853,395	\$39,451,544	\$54,304,938	27.4%	100.0%			
	Doi	lar Increase:	\$137,391	\$364,920	\$502,312					
	Perc	ent Increase:	0.9%	0.9%	0.9%					

- (1) Source: Appendix 2, Schedule 2. Target Delivery Revenue Year 3 plus Tax Change plus Surcredit
- (2) Target T&D rates are not rounded. Proposed T&D rates below are rounded to five decimal places.

Rate Year 3 Revenue at Proposed Rates

			Rate Year 3 Re	venue at Proposed	Rates				
Service Class	Proposed Usage	Proposed T&D Rate	T&D Revenue	Facility Revenue	Total Revenue	Pct. of Service Class Revenue from T&D	Pct. of Total Revenue	T&D Rate Increase %	Facility Price Increase %
SC-1	21,736,230	0.08750	\$1,901,920	\$1,659,128	\$3,561,048	53.4%	6.6%	0.9%	0.9%
SC-2	140,352,171	0.08750	\$12,280,815	\$36,883,883	\$49,164,698	25.0%	90.5%	0.9%	1.0%
Contract	141,564	0.08750	\$12,387	\$59,840	\$72,227	17.1%	0.1%	0.9%	0.7%
•	140,493,735		\$12,293,202	\$36,943,723	\$49,236,925	25.0%	90.6%	0.9%	1.0%
SC-3	9,032,444	0.06007	\$542,579	\$8,677	\$551,256	98.4%	1.0%	0.9%	16.8%
SC-6	296,136	0.06007	\$17,789	\$4,100	\$21,889	81.3%	0.0%	0.9%	1.1%
•	9,328,580		\$560,368	\$12,777	\$573,145	97.8%	1.1%	0.9%	11.3%
SC-4	8,970,329	0.01093	\$98,046	\$855,534	\$953,580	10.3%	1.8%	0.9%	0.9%
Total	Dol	lar Increase: ent Increase:	<b>\$14,853,535</b> \$137,532 0.9%	<b>\$39,471,162</b> \$384,539 1.0%	<b>\$54,324,697</b> \$522,071 1.0%	27.3%	100.0%	0.9%	1.0%

### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY

Summary of Rate Year 3 Revenue at Rate Year 2 and Proposed Rates

### Service Classification No. 1 - Private Lighting (Company Owned and Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 2	21,736,230	0.08669	\$1,884,311	\$1,644,035	\$3,528,345
Target		0.08750	\$1,901,903	\$1,659,384	\$3,561,287
Proposed	21,736,230	0.08750	\$1,901,920	\$1,659,128	\$3,561,048
(%)	0.0%	0.9%	0.9%	0.9%	0.9%
(\$)	n/a	0.00081	\$17,610	\$15,093	\$32,702
Proposed minus Target	n/a	0.00000	\$17	-\$256	-\$239
			0.00%	-0.02%	-0.01%

### Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 2	140,352,171	0.08669	\$12,167,109	\$36,523,886	\$48,690,995
Target		0.08750	\$12,280,703	\$36,864,881	\$49,145,584
Proposed	140,352,171	0.08750	\$12,280,815	\$36,883,883	\$49,164,698
(%)	0.0%	0.9%	0.9%	1.0%	1.0%
(\$)	n/a	0.00081	\$113,706	\$359,996	\$473,702
Proposed minus Target	n/a	0.00000	\$112	\$19,002	\$19,114
			0.00%	0.05%	0.04%

### Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 2	9,032,444	0.05951	\$537,523	\$7,427	\$544,950
Target		0.06007	\$542,541	\$7,496	\$550,037
Proposed	9,032,444	0.06007	\$542,579	\$8,677	\$551,256
(%)	0.0%	0.9%	0.9%	16.8%	1.2%
(\$)	n/a	0.00056	\$5,056	\$1,250	\$6,306
Proposed minus Target	n/a	0.00000	\$38	\$1,180	\$1,218
			0.01%	13.60%	0.22%

### Service Classification No. 4 - Traffic Control (Customer Owned and Maintained)

<u> </u>	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 2	8,970,329	0.01083	\$97,166	\$847,790	\$944,956
Target		0.01093	\$98,073	\$855,705	\$953,779
Proposed	8,970,329	0.01093	\$98,046	\$855,534	\$953,580
(%)	0.0%	0.9%	0.9%	0.9%	0.9%
(\$)	n/a	0.00010	\$880	\$7,744	\$8,624
Proposed minus Target	n/a	0.00000	-\$28	-\$171	-\$198
			-0.03%	-0.02%	-0.02%

### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY

Summary of Rate Year 3 Revenue at Rate Year 2 and Proposed Rates

### Contract Street Lighting (Customer Contributory Provisions)

_	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 2	141,564	0.08669	\$12,272	\$59,429	\$71,701
Target		0.08750	\$12,387	\$59,984	\$72,370
Proposed	141,564	0.08750	\$12,387	\$59,840	\$72,227
(%)	0.0%	0.9%	0.9%	0.7%	0.7%
(\$)	n/a	0.00081	\$115	\$411	\$526
Proposed minus Target	n/a	0.00000	\$0	-\$143	-\$143
			0.00%	-0.24%	-0.20%

### Service Classification No. 6 - Street Lighting (Customer Owned, Company Maintained)

	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 2	296,136	0.05951	\$17,623	\$4,056	\$21,679
Target		0.06007	\$17,788	\$4,094	\$21,881
Proposed	296,136	0.06007	\$17,789	\$4,100	\$21,889
(%)	0.0%	0.9%	0.9%	1.1%	1.0%
(\$)	n/a	0.00056	\$166	\$44	\$210
Proposed minus Target	n/a	0.00000	\$1	\$6	\$7
			0.01%	0.15%	0.03%

### Total P.S.C. No. 214 Electricity

<u> </u>	Usage	T&D Rate	T&D Revenue	Facility Revenue	Total Revenue
Rate Year 2	180,528,874	n/a	\$14,716,003	\$39,086,623	\$53,802,627
Target			\$14,853,395	\$39,451,544	\$54,304,938
Proposed	180,528,874	n/a	\$14,853,535	\$39,471,162	\$54,324,697
Rate Year 2 to Proposed					
(%)	0.0%		0.9%	1.0%	1.0%
Rate Year 2 to Proposed					
(\$)	n/a	n/a	\$137,532	\$384,539	\$522,071
Proposed minus Target	n/a	n/a	\$141	\$19,618	\$19,759
			0.00%	0.05%	0.04%

Case 17-E-0238
Appendix 2
Schedule 8.3c
Page 1 of 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Service Classification No. 1 - Private Lighting (Company Owned and Maintained)

Rate Year 2 T&D rate 0.08669 Proposed T&D rate 0.0875	0.08669				<b>9</b> <u>1</u>	Service Classificati  1 Use Groun Tariff Prices	ssification N	40. 1 - Private Lig	Service Classification No. 1 - Private Lighting (Company Owned and Maintained) te Grond Tariff Prices	Owned and Main	ntained)					%6.0
	1	ĺ	7	Proposed I		Tariff			Rate Year 2	Rate Year 2	Rate Year 2	FY'18		Proposed	Proposed	Proposed
Я	Rate Year 2 Facility	Annual kWh	Amual . Facility I	Anmual ( Facility I	Change Facility C	Wgtd 20 Combined	on)	Rate Year 2 Amual	Annual T&D	Annual Facility	Annual Total	Avg Fest	Proposed Annual	Annual T&D	Amual Facility	Annual Total
Description		per Lamp (a)					Billed (g)	Usage (h)	Revenue (i)	Revenue (j)	Revenue (k)	Units	Usage (m)	Revenue (n)	Revenue (0)	Revenue (p)
LAMP & LUMINAIRE		1   					è			<b>)</b>				:	,	,
High Pressure Sodium Coach, 70W	Closed	360		\$117.72	_	\$117.72	12.0	4,320	\$375	\$1,400	\$1,774	12	4,320	\$378	\$1,413	\$1,791
Coach, 100W	Closed	492			-	\$117.72	1.0	492	\$43	\$117	\$159	-	492	\$43	\$118	\$161
Coach, 150W	Closed	720		\$117.72	%60	\$117.72	17.0	12,240	\$1,061	\$1,983	\$3,044	7.1	12,240	\$1,071	\$2,001	\$3,072
Edison, /0w Edison 100W	Closed	360 492	\$116.04		%60	\$117.72	0.06	9,000	\$3 839	\$2,916	\$5,090	c 06	9,000	\$3.875	\$2,943	\$3,731
Edison, 150W	Closed	720			%6.0	\$117.72	0.0		80	80	80	0		80	80	80
Floodlight, 250W	Standard	1,272	\$77.04		%6.0	\$77.76	1145.7	1,457,288	\$126,332	\$88,262	\$214,594	1145.67	1,457,288	\$127,513	\$89,087	\$216,600
Floodight, 400W Roadway, 70W	Standard	360	\$77.04	\$77.76	0.9%	\$17.76	518.8	3,254,947	\$282,171	\$128,201	\$410,372	518.75	3,254,947	\$284,808	\$129,399	\$414,207
Roadway, 100W	Standard	492	\$63.12	\$63.72	1.0%	\$63.72	2087.2	1,026,886	\$89,021	\$131,742	\$220,763	2087.17	1,026,886	\$89,853	\$132,994	\$222,847
	Standard	720	\$63.12	\$63.72	1.0%	\$63.72	1924.7	1,385,760	\$120,131	\$121,485	\$241,616	1924.67	1,385,760	\$121,254	\$122,640	\$243,894
	Standard	1,272	\$63.12	\$63.72	1.0%	\$63.72	1441.6	1,833,694	\$158,963	\$90,993	\$249,955	1441.58	1,833,694	\$160,448	\$91,858	\$252,306
Shoehox 100W	Standard	1,956	\$93.12	\$95.72	%0.1 0.6%	\$95.72	0.0	3,362,690	115,1624	\$108,514	\$400,025	0	3,362,690	\$294,233	\$109,545	\$403,781
Shoebox, 150W	Closed	720	\$94.44	\$95.28	%60	\$95.28	0.0		80	80	80	0	٠	80	80	80
Shoebox, 250W	Closed	1,272	\$94.44		%60	\$95.28	1.0	1,272	\$110	\$94	\$205	-	1,272	\$111	\$95	\$207
Shoebox, 400W	Closed	1,956	\$94.44		%6.0	\$95.28	8.0	15,648	\$1,357	\$756	\$2,112	∞ ;	15,648	\$1,369	\$762	\$2,131
Traditional, 70W	Closed	360	\$63.12	\$63.72	1.0%	\$63.72	6.5	2,340	\$203	\$410	\$613	6.5	2,340	\$205	\$414	\$619
Traditional 150W	Closed	720	\$63.12	\$63.72	1.0%	\$63.72	2.0	9,348	\$125	\$1,199	\$2,010	61	9,348	\$126	\$1,211	\$2,029
Floodlight, 1000W	Obsolete	4,620	\$95.64	\$96.48	%60	\$96.48	281.2	1,298,990	\$112,609	\$26,891	\$139,500	281.167	1,298,990	\$113,662	\$27,127	\$140,789
Roadway, 1000W	Obsolete	4,620.0		\$133.92	%	\$133.92	179.7	830,060	\$71,958	\$23,845	\$95,803	179.667	830,060	\$72,630	\$24,061	\$96,691
Metal Halide																
Floodlight, 400W	Standard	1,884	\$88.68		%6.0	\$89.52	891.5	1,679,586	\$145,603	\$79,058	\$224,661	891.5	1,679,586	\$146,964	\$79,807	\$226,771
Shoebox, 400W	Closed	1,884	\$88.68		%6.0	\$89.52	32.0	60,288	\$5,226	\$2,838	\$8,064	32	60,288	\$5,275	\$2,865	\$8,140
Shoebox, 1000W	Closed	1 236	\$88.08	\$89.52	%6.0	589.52	0.0		0, 9	08 9	0 S	0 0		08	0¢ 9¢	0¢ 9¢
LL Flood MH 400	Standard	1.884	\$88.68		%6.0	\$89.52	29.8	56.049	\$4.859	\$2.638	\$7.497	29.75	56.049	\$4.904	\$2.663	\$7.568
LL Flood MH 1000	Standard	4,500	\$88.68		%6.0	\$89.52	0		80	80	0\$	0		80	80	80
Maroury Vanor																
Floodlight, 400W	Obsolete	1,992	\$64.56		%6:0	\$65.16	75.3	149,898	\$12,995	\$4,858	\$17,853	75.25	149,898	\$13,116	\$4,903	\$18,019
	Obsolete	4,572	\$98.28	\$99.24	1.0%	\$99.24	84.7	387,096	\$33,557	\$8,321	\$41,878	84.6667	387,096	\$33,871	\$8,402	\$42,273
Roadway, 173 W	Obsolete	0/0	\$64.50			\$65.16	1059.2	2 109 860	\$137,322	\$116,913	\$254,454	1059 17	2 109 860	\$138,807	\$69.015	\$250,800
	Obsolete	4,572				\$140.28	212.1	969,645	\$84,058	\$29,471	\$113,529	212.083	969,645	\$84,844	\$29,751	\$114,595
POLES/STANDARDS Overhead Service																
	Standard		\$80.76	\$81.48	%6.0		3963.9		80	\$320,126	\$320,126	3963.92		80	\$322,980	\$322,980
Underground Service Standards > 16 ft.																
Aluminum - AB - w/davit)	Closed				%6.0		17.0		80	\$3,774	\$3,774	17		80	\$3,809	\$3,809
Aluminum - AB - square)	Closed		\$486.84	\$491.40	0.9%		17.0		80	\$8,276	\$8,276	17		08	\$8,354	\$8,354
ribeigiass - Ab - Wipendani arm)	Closed				1.0%		0.0		Oe.	Oe.	06	0		06	06	06
Standard <= 16 ft	-				ò		ć		Ç	6	ç	c		6	6	Ç
Aluminum - AB - square Fiberglass, AB	Closed		\$297.36	\$300.12	%6:0 0:9%		0.0		Q Q	\$8.320	\$8.320	0 01		08 S	\$8.398	\$8.398
Fiberglass, direct embedded (DE)	Closed				%6.0		62.5		80	\$6,443	\$6,443	62.5	,	80	\$6,503	\$6,503
	Standard		\$297.36	\$300.12	%6.0		0.0		80	80	80	0		80	80	80

\$3,561,287

TARGET PROPOSED MINUS TARGET

\$0.00 \$84.24 \$89.04 \$110.76 \$0.00 \$119.76

\$0.00 \$84.00 \$88.80 \$110.40 \$0.00

New Facility additions (no billed quantities)
LL Roadway LED-B. Standard
LL Roadway LED-B. Standard
LL Roadway LED-C. Standard
LL Roadway LED-D. Standard
LL Roadway LED-E. Standard
LL Roadway LED-E. Standard
LL Roadway LED-F. Standard

0.92%

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NIAGARA MOHAWK POWER CORPORATION db/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Service Classification No. 1 - Private Lighting (Company Owned and Maintained)

C C C C C C C C C C C C C C C C C C C	0,000.0						assurcation.	140. 1 - 1117atc 1	Service Classification (16, 1 - 11) face Lighting (Company Owned and Manned)	y Cwitter and Mia	mramed)					ò
Rate Tear 2 1&D rate 0.08609 Proposed T&D rate 0.0875	0.08669				_	I Ise Group Tariff Prices	riff Prices									0.9%
		Billed	Rate Year 2 Proposed	Proposed	Percent	Tariff			Rate Year 2	Rate Year 2	Rate Year 2	FY'18		Proposed	Proposed	Proposed
	Rate Year 2 Annual	Annual	Annual	Annual	Change	Wgtd 2	2016 Avg	Rate Year 2	Annual	Annual	Annual	Avg	Proposed	Annual	Amnal	Annual
	Facility	kWh	Facility	Facility	Facility (	Ъ	Units	Amual	T&D	Facility	Total	Fest	Amnual	T&D	Facility	Total
Description	Class	per Lamp	Price	Price	Price	Price	Billed	Usage	Revenue	Revenue	Revenue	Units	Usage	Revenue	Revenue	Revenue
		(a)	(c)	(p)	(e)	(t)	(g)	(h)	(i)	(j)	(k)	(1)	(m)	(u)	(0)	(d)
FOUNDATIONS																
Concrete - Cast-In-Place (CIP)																
For AB standard > 16 ft.	Closed		\$258.72	\$261.12	%6.0		9.0		80	\$2,328	\$2,328	6		80	\$2,350	\$2,350
For AB standard <= 16 ft.	Closed		\$187.80	\$189.60	1.0%		0.0		80	80	80	0		80	80	80
											80					
Concrete - Pre-Cast (PC)																
for AB standards	Closed		\$154.68	\$156.12	%6.0		7.0		80	\$1,083	\$1,083	7		80	\$1,093	\$1,093
											80					
Mechanical - Screw Type	4		00 7114	20113	900		0 701		S	014 651	614 651	201		G	6	100
TOF AB standards Obsolete	Obsolete		\$110.28	\$117.30	0.9%		170.0		90	\$14,651	\$14,651	971		90	314,/8/	314,787
CIRCUITRY																
Overhead Service - one span	Standard		\$37.56	\$37.92	1.0%		4787.3	٠	80	\$179,809	\$179,809	4787.25		80	\$181,533	\$181,533
Underground Service																
Cable and conduit, per foot	Closed		\$2.28	\$2.28	%0.0		1997.0		80	\$4,553	\$4,553	1997		80	\$4,553	\$4,553
Cable only, per foot	Closed		\$0.36	\$0.36	%0.0		772.0		80	\$278	\$278	772		80	\$278	\$278
Direct buried cable, per foot	Closed		\$1.44	\$1.44	%0.0		6694.1		80	89,639	\$9,639	6694.08		80	\$9,639	\$9,639
				Annual	nual Total			21,736,230	\$1,884,311	\$1,643,933	\$3,528,244		21,736,230	\$1,901,920	\$1,659,128	\$3,561,048

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NIAGARA MOHAWK POWER CORPORATION d'béa NATIONAL GRID P.S.C. No. 214 ELECTRICITY Rate Year 3 Revenue at Rate Year 2 and Proposed Rates Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

	69980.0	۲	Leap Yr=1, NonLeapYr=0	Leap Yr =0		Service C	Jassincation IN	Service Classification No. 2 - Street Lighting (Company Owned and Maintained)  1	ng (Company C	wned and Main	(amed)				33.1%	LED Facility %	0.3%
	0.08750					Use Group Tariff Prices		LED Conversion On						LED Conversion On		All Other Facility %	%6.0
0.93% increase R:	Rate Year 2	Billed	Rate Year 2	Proposed	Percent			Rate Vear 2	Rate Year 2	Rate Year 2	Rate Year 2	Non	FY'18 Ave	Pronosed	Proposed	Proposed	Proposed
	Facility	per	Facility	Facility		p	Units	Annual		Facility	Total	Leap Yr	Fest	Annual	T&D	Facility	Total
Description	Class	Lamp (a)	Price (c)	Price (d)	Price (e)	Price	Billed (g)	Usage (h)	Revenue (i)	Revenue (j)	Revenue (k)	Burns	Units (m)	Usage (n)	Revenue (o)	Revenue (p)	Revenue (q)
LAMPS																	
High Pressure Sodium	Standard	38	0 88	91 83	1 50%		43.820	15 714 800	102 092 13	8352 316	\$1 714 638	247.50	43.820	15 714 890	\$1375.053	6357 575	81 737 678
	Standard	%	\$16.08	\$16.20		\$16.32	- 13,820		\$1,502,521	\$32,510	\$1,714,030	730.00			\$20,575,15	S0 \$	\$1,732,028
	Standard	118	\$8.04	\$8.16	1.5%	\$8.16	82,836	40,760,293	\$3,533,504	\$666,002	\$4,199,505	347.50	82,836	40,760,293	\$3,566,526	\$675,942	\$4,242,468
24 HR - 100W	Standard	118	\$16.08	\$16.20	0.7%	\$16.32	38	38,920	\$3,374	\$605	\$3,979	730.00	38	38,920	\$3,406	\$610	\$4,016
	Standard	173	\$8.04	\$8.10	0.7%	\$8.10	32,46 / 104	23,421,848	\$2,050,457	\$1.678	\$2,291,469	730.00	104	158.170	\$2,049,412	\$1.691	\$2,514,540
	Standard	304	\$8.04	\$8.16	1.5%	\$8.16	25,276	32,041,541	\$2,777,676	\$203,217	\$2,980,893	347.50	25,276	32,041,541	\$2,803,635	\$206,250	\$3,009,885
	Standard	304	\$16.08	\$16.20	0.7%	\$16.32	88	235,348	\$20,402	\$1,421	\$21,823	730.00	88	235,348	\$20,593	\$1,432	\$22,025
400W	Standard	470	\$8.04	\$8.16	1.5%	\$8.16	6,153	12,059,009	\$1,045,394	\$49,469	\$1,094,863	347.50	6,153	12,059,009	\$1,055,163	\$50,207	\$1,105,371
	Closed	1106	\$16.08	\$16.20	0.7%	\$16.52	- [	1 442 177	\$125.022	\$5 141	\$130.163	347.50	313	1 442 177	\$126.191	\$5178	\$131369
Metal Halide			·						-		601,001						0000
175W	Standard	207	\$55.56	\$56.16		\$ 56.16	2,323	2,005,288	\$173,838	\$129,072	\$302,910	347.50	2,323	2,005,288	\$175,463	\$130,466	\$305,929
	Standard	295	\$55.56	\$56.16	1.1%	\$56.16	275	338,281	\$29,326	\$15,279	\$44,604	347.50	275	338,281	\$29,600	\$15,444	\$45,043
	Standard	451	\$55.56	\$56.16	1.1%	\$56.16	995	1,070,093	\$92,766	\$31,613	\$124,380	347.50	569	1,070,093	\$93,633	\$31,955	\$125,588
1000W	Closed	1078	\$55.56	\$56.16	1.1%	\$56.16	7	7,321	\$635	890	\$725	347.50	2	7,321	\$641	891	\$732
100W	Obsolete	130	\$6.84	86.98	1.8%		868	323.973	\$28.085	\$4.088	\$32.173	347.50	598	323.973	\$28.348	\$4.159	\$32.507
	Obsolete	211	\$6.84	\$6.96		\$6.96	1,462	1,286,769	\$111,550	\$10,003	\$121,553	347.50	1,462	1,286,769	\$112,592	\$10,179	\$122,771
	Obsolete	477	\$6.84	\$6.96	1.8%	\$6.96	372	739,447	\$64,103	\$2,543	\$66,645	347.50	372	739,447	\$64,702	\$2,587	\$67,289
	Obsolete	1095	\$13.08	\$13.20	%6:0	\$13.20	4	18,592	\$1,612	\$53	\$1,665	347.50	4	18,592	\$1,627	\$54	\$1,681
250W (5 unit)	Obsolete	1535	\$191.76	\$193.68	1.0%	\$193.68		i	80	80	80	347.50		1	80	80	80
	Obsolete	130	\$87.84	\$88.68	1.0%	\$88.68	44	23,852	\$2,068	\$3,865	\$5,933	347.50	4	23,852	\$2,087	\$3,902	686'5\$
HPS 1000W High-Mast (6 unit)	Closed	9699	\$1,019.28	\$1,029.24	1.0%	\$1,029.24	∞	221,377	\$19,191	\$8,154	\$27,345	347.50	∞	221,377	\$19,370	\$8,234	\$27,604
<u>Incandescent</u> < 2500 lumen, Open Reflector	Obsolete	202	\$75.12	\$75.84	1.0%	\$75.84			80	80	80	347.50			80	80	80
< 2500 lumen, Std Luminaire	Obsolete	202	\$97.32	\$98.28	1.0%	\$98.28	-	842	\$73	897	\$170	347.50	-	842	\$74	868	\$172
	Obsolete	327	\$86.52	\$87.36	1.0%	\$87.36	,		80	80	0\$	347.50	,	. :	80	80	80
4000 lumen, Enclosed 6	Obsolete	327 448	\$100.32	\$101.28	%0:1	\$101.28	4	5,113	\$443 \$0	\$3/6	688 08	347.50	4	5,113	/45°	\$380	\$827
	Obsolete	069	\$152.04	\$153.48	%6:0	\$153.48	,		80	80	8 8	347.50			80	80	80
LUMINAIRES	Ctondord		0.1013	00 0013	7001		809 9		9	NCT 3133	NCT 3133		009 9		Ş	6603 154	\$683.154
	Standard		\$101.04	\$102.00	1.0%	\$ 102.00	2,084		80	\$210,609	\$210,609		2,084		08 80	\$212,611	\$212,611
	Standard		\$101.04	\$102.00	1.0%	\$ 102.00	278		80	\$28,089	\$28,089		278		80	\$28,356	\$28,356
	Stallualu		\$101.04	\$102.00			÷,′		06	0+5,2516	04.757.6		0		Oe.	060,6576	060,6016
Buffalo Globe (5 unit), 250	Obsolete		\$505.32	\$510.24	1.0%	\$510.24			80	80	98		,		80	0\$	80
	Standard		\$123.36	\$124.56			1,354		80	\$167,029	\$167,029		1,354		80	\$168,654	\$168,654
Central Park 175	Standard		\$123.36	\$124.56	1.0%		1 300		80	\$106,573	\$106,573		864		80	\$107,609	\$107,609
	Standard		\$73.44	\$74.16	1.0%	74.04	179		80	\$13,146	\$13,146		179		08 80	\$13,275	\$13,275
	Standard		\$57.60	\$58.20			20		80	\$1,152	\$1,152		20	,	80	\$1,164	\$1,164
	Standard		\$73.44	\$74.16			1,897		80	\$139,316	\$139,316		1,897		80	\$140,682	\$140,682
	Obsolete		377.78	\$78.48	8 %6.0	\$ 78.48	192		08	\$14,930	\$14,930		192		0S	\$15,068	\$15,068
	Obsolete		877.76	\$78.48			24		05	\$12,066	\$1.866		24		0\$	\$12,885	\$12,883
	Obsolete		877.76	\$78.48	\$ %6.0		24		80	\$1,866	\$1,866		24	,	80	\$1,884	\$1,884
	Obsolete		877.76	\$78.48	0.9%		,		80	80	80				80	80	80
Contemporary, 400 Openare Park 150	Obsolete		\$77.76	\$78.48			205		08 9	58 997	568 997		206		0s 5	859 563	895 653
	Standard		\$200.16	\$202.08	1.0%		251		80	\$50,140	\$50,140		251		80	\$59,503	\$50,621
	Standard		\$247.20	\$249.60	1.0%		1,056		80	\$261,146	\$261,146		1,056		80	\$263,682	\$263,682

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NIAGARA MOHAWK POWER CORPORATION d'b'a NATIONAL GRID P.S.C. No. 214 ELECTRICITY Rate Year 3 Revenue at Rate Year 2 and Proposed Rates Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Rate Year 2 T&D rate 0.08669		Leap Yr=1, NonLeapYr=0	Leap Yr =0		Service CI	assification N	Service Classification No. 2 - Street Lighting (Company Owned and Maintained)  1	ting (Company (	Owned and Main	tained)				33.1%	LED Facility %	0.3%
Proposed T&D rate 0.08750	ı				Use Group Tariff Prices		LED Conversion On	:					LED Conversion On		All Other Facility %	%6:0
0.93% increase		Rate Year 2	Proposed			4 510		Rate Year 2	Rate Year 2	Rate Year 2		FY'18		Proposed	Proposed	Proposed
Kate Year Z Facility	r 2 watts	Annual	Annual	Change Facility C	Combined	2016 Avg Units	Kate Y ear 2 Annual	Annual	Annual Facility	Annual	Non Lean Yr	Avg	Proposed	Annual	Annual	Annual
Description Class		Price	Price		Price	Billed	Usage	Revenue	Revenue	Revenue	Burns	Units	Usage	Revenue	Revenue	Revenue
		(c)	(p)		(f)	(g)	(h)	(i)	()	(k)	(1)	(m)	(n)	(0)	(d)	(b)
Delaware Park 400 Standard	Þ	\$247.20	\$249 60	\$ %01	249 60	850		0\$	\$209 996	966 6028		850		0\$	\$212.035	\$212.035
	p	\$169.32	\$171.00	1.0%	171.00	91		80	\$15,408	\$15,408		91	,	80	\$15,561	\$15,561
Delaware Park Pedestrian 175 Standard	p.	\$169.32	\$171.00		171.00	13		80	\$2,201	\$2,201		13	,	80	\$2,223	\$2,223
	p.	\$169.32	\$171.00	1.0% \$	171.00	240		80	\$40,637	\$40,637		240		80	\$41,040	\$41,040
	p	\$79.20	\$79.92		79.92	125		80	89,900	89,900		125		80	89,990	89,990
	p	\$79.20	\$79.92		79.92	1,254		80	\$99,350	\$99,350		1,254		80	\$100,253	\$100,253
_	þ.	\$79.20	\$79.92		79.92	808		80	\$63,954	\$63,954		808		80	\$64,535	\$64,535
	p.	\$135.00	\$136.32		136.32	756		80	\$102,083	\$102,083		756		80	\$103,081	\$103,081
	p.	\$135.00	\$136.32	1.0%	136.32	531		80	\$71,674	\$71,674		531		80	\$72,375	\$72,375
	ָד פ	\$135.00	\$130.32		136.32	158		08 9	\$18,675	\$18,6/5		138		08	\$18,838	\$18,838
	p -	\$60.60	\$61.20	.0%	01.20	187		08	\$17,013	\$17,013		187		08	\$17,182	\$17,182
Floodight 400 Standard	p <u>1</u>	\$60.60	\$61.20	5 %01	01.20	644		90	\$50,149	\$50,149		844		90	350,447	350,447
	2 _	\$60.00	\$61.20		130 40	ŧ		30	3222	3778		+		06.6	\$224	\$224
Franklin Square, 230 Closed	_	\$137.16	\$138.48	1.0%	130.40	. :		90	30	30		. [		08	515 640	\$0
		\$137.16	\$130.40		130.40	727		90	\$12,499	\$13,499		73.4		000	\$13,040	\$13,040
Franklin Square, 130 Closed		\$137.16	9130.40		130.40	+C7		30	\$32,093	\$32,093		+67		06.6	352,404	\$32,404
		\$103.44	\$136.46	5 0000	104.40			05	69/6	68/6				05	05	06/6
		\$79.44	91043	0.5%	91.40			05	0\$	0, 0				05	06	05
		50.5019	300.10	6 0000	00.10	. 1		06	90	90				06	900 CC9	300
Little Falls Transfers 70 Closed		\$120.90	\$128.16	6 6 60 1	01.621	971		90	\$22,084	\$22,004		6/1		06	977,090	\$22,696
	-	\$122.04	\$157.20	1.070	02.761	6/		90	312,290	312,230		6		90	312,419	312,419
		6		-	62.52	, i		é	i i	700				e e	000	000
	p	\$55.92	\$56.52	1.1%	26.95	51,776		0.00	\$1,776,906	\$1,776,906		51,776		20	\$1,795,972	\$1,795,972
	ָּי ק	\$55.92	\$56.52	8 %	26.52	65,157		0.5	\$3,643,554	\$3,643,534		65,157		08	53,682,648	\$3,682,648
Roadway 150 Standard	ָר ק	\$55.92	250.52		26.95	27,018		08	\$1,510,835	\$1,510,835		27,018		08	\$1,527,046	\$1,527,046
Roadway 1/5 Standard	P 7	\$55.92	350.52		20.02	1,0/6		90	\$60,160	\$60,160		0,0,1		06	\$60,803	\$60,803
	7.	\$55.92	25.056	9 % 1 1	56.52	5.574		08	\$311,577	\$1,242,114		5 574		08	\$1,530,314	\$315.021
	, _	213672	\$127.92		127.92	200		9	\$37.855	\$37.855		000		9	\$38.214	\$38.714
	. T	\$111.00	\$112.08	\$ %0 -	112.08	Š		OS.	\$555	\$555		Š		08	8560	0928
	, p	\$111.00	\$112.08	1.0%	112.08	,		80	80	S		,	,	80	0\$	80
	p.	\$66.72	\$67.32	\$ %6.0	67.32	,		80	80	80		,	,	80	80	80
Shoebox 100 Standard	p.	\$66.72	\$67.32	\$ %6.0	67.32	4		80	\$267	\$267		4		80	\$269	8269
Shoebox 150 Standard	p.	\$66.72	\$67.32	\$ %6.0	67.32	425		80	\$28,356	\$28,356		425		80	\$28,611	\$28,611
	p.	\$66.72	\$67.32	\$ %6.0	67.32	237		80	\$15,785	\$15,785		237		80	\$15,927	\$15,927
٠.	p.	\$66.72	\$67.32	S	67.32	126		80	\$8,429	\$8,429		126		80	\$8,505	\$8,505
		\$151.68	\$153.12		\$153.12	16		80	\$2,427	\$2,427		16		80	\$2,450	\$2,450
	p.	\$49.44	\$49.92	1.0%	49.92	5,508		80	\$272,320	\$272,320		5,508		80	\$274,964	\$274,964
	p 7	\$49.44	\$49.92	1.0%	49.92	313		0.5	\$15,483	\$15,483		313		08	\$15,633	\$15,633
Traditional 70 Claudite	ָּדָ פ	\$49.44	\$49.92		40.07	152		08	\$7,327	\$7,527		1910		08	\$7,600	\$7,600
Tradmonal /0 Standard	p 7	949.44	549.92		92.92	1,819		90	\$69,948	\$69,948		918,1		08	390,821	390,821
Underpass 100 Standard	7.0	\$63.00	504.72	5 %01	03.20	010		30	\$67,913	\$12,513		010		90	\$08,393	\$00,393
	-	\$83.88	\$84.72	10%	83.28	707		05	010,010	010,515		707		9	05.00	0±/;c1;
		\$61.20	\$61.80		83.28	64		80	\$3,902	\$3,902		64		80	\$3.940	\$3,940
•	p.	\$83.88	\$84.72	1.0%	83.28	,		80	80	80				80	80	80
Washington (Armory Square) 100 Closed	_	\$134.40	\$135.72	1.0%	\$135.72	187		80	\$25,133	\$25,133		187	,	80	\$25,380	\$25,380
	p	\$115.92	\$117.00	\$ %6.0	117.00	182		80	\$21,059	\$21,059		182		80	\$21,255	\$21,255
	p.	\$115.92	\$117.00		117.00	392		80	\$45,402	\$45,402		392	,	80	\$45,825	\$45,825
	ъ.	\$115.92	\$117.00	8 %6.0	117.00	882		80	\$102,270	\$102,270		882		0\$	\$103,223	\$103,223
Williamsville 70 Standard	p	\$115.92	\$117.00		11/.00	701		30	\$11,824	\$11,824		701		30	\$11,954	\$11,954

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NIAGARA MOHAWK POWER CORPORATION d'b'a NATIONAL GRID P.S.C. No. 214 ELECTRICITY Rate Year 3 Revenue at Rate Year 2 and Proposed Rates Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Rate Year 2 T&D rate	0.08669	J	Leap Yr=1, NonLeapYr=0	LeapYr=0		Service (	Jassification [	No. 2 - Street Lig	Service Classification No. 2 - Street Lighting (Company Owned and Maintained)  1	Owned and Mair	ıtained)				33.1%	LED Facility %	0.3%
Proposed T&D rate	0.08750					Use Group Tariff Prices		LED Conversion On	_	4				LED Conversion On		All Other Facility %	%6:0
0.93% increase	Rate Year 2	Billed	Kate Year 2	Proposed	Change	Votd	2016 Avg	Rate Year 2	Kate Year 2 Annual	Kate Year 2 Annual	Kate Year 2 Annual	Non	FY 18 Avg	Pronosed	Proposed	Proposed	Proposed
	Facility		Facility	Facility	Facility	Combined	Units	Annual	T&D	Facility	Total	Leap Yr	Fest	Annual	T&D	Facility	Total
Description	Class	Lamp (a)	Price (c)	Price (d)	Price (e)	Price	Billed (g)	Usage (h)	Revenue (i)	Revenue (j)	Revenue (k)	Burns	Units (m)	Usage (n)	Revenue (o)	Revenue (p)	Revenue (q)
POLES/STANDARDS																	
Standard/Pole > 16 ft - OH Service																	
Steel, anchor base	Closed		\$179.04	\$180.84	1.0%	\$ 180.84	1,097		80	\$196,332	\$196,332		1,097		80	\$198,306	\$198,306
Concrete, DE - Metropolitan	Standard		\$179.04	\$274.20	1.0%	\$ 100.04	30		08	\$8,237	\$8,237		30		80	\$8,317	\$8,317
WoodPole			\$0.00	\$0.00			739		80	80	80		739		80	80	80
Standard > 16 ft																	
for UG or UKD Service	Standard		825680	\$250.32	1 0%		5 294		05	\$1 359 435	\$1 359 435		5 294		08	517 275 13	\$17.275.13
Aluminum, anchor base, heavy duty	Standard		\$256.80	\$259.32	1.0%	\$ 259.32	54		80	\$13,846	\$13,846		54		80	\$13,982	\$13,982
Aluminum, anchor base, square	Standard		\$513.48	\$518.52	1.0%		546		80	\$280,488	\$280,488		546		80	\$283,242	\$283,242
Fiberglass, anchor base	Standard		\$173.40	\$175.08	1.0%		303		80	\$52,540	\$52,540		303		80	\$53,049	\$53,049
steel, anchor base (30 tround) steel anchor base (35 ft square)	Closed		\$525.08	\$528.20	%0.1 1.0%		2 ×		Q	\$2,601	\$2,501		» <u>"</u>		08	\$2,626	\$2,626
steel, anchor base	Closed		\$256.80	\$259.32	1.0% \$	\$ 259.32	2,764		80	\$709,859	\$709,859		2,764		80	\$716,825	\$716,825
steel, anchor base, heavy duty	Closed		\$256.80	\$259.32	1.0%		14		80	\$3,595	\$3,595		14		80	\$3,630	\$3,630
steel, anchor base, traf signal, 1 arm	Obsolete		\$480.48	\$485.16	1.0%				80	08 9	S 5				08	80	08
sect, AD, trai signat, 7 – 10 per unit	COSONER		0.020,10	20.000,10	200				9	9	8				9	9	9
Standard <= 16 ft																	
Aluminum, anchor base, Villager	Standard		\$112.20	\$113.28	1.0%	\$ 113.28	883		80	\$99,091	160,66\$		883		80	\$100,045	\$100,045
Fiberglass, anchor base	Standard		\$67.44	\$68.04	%6:0		2,518		80	\$169,786	\$169,786		2,518		80	\$171,296	\$171,296
Fibergiass, direct embedded steel, anchor base	Closed		\$92.76	\$95.72	1.0%	\$ 113.28	9,146 4.799		Q	\$538.485	\$538.485		4.799		08	\$543.668	\$543.668
steel, direct embedded	Closed		\$132.36	\$133.68	1.0%		2,740		80	\$362,655	\$362,655		2,740		80	\$366,272	\$366,272
aluminum, anchor base (square)	Closed		\$140.76	\$142.08	%6.0		77		80	\$10,839	\$10,839		77		80	\$10,940	\$10,940
Decorative Standard																	
Alum. AB Niagara Rdwy (no base)	Standard		\$650.76	\$657.12	1.0%		196		80	\$127,549	\$127,549		196		80	\$128,796	\$128,796
Decorative Standard																	
<= 16 ft, for UG or URD Service																	
Aluminum, AB, Armory Square	Standard		\$336.84	\$340.08	1.0%		2420		08	\$276,068	\$276,068		920		08	\$278,724	\$278,724
Fiberglass, DE, Presidential	Standard		\$230.88	\$233.16	1.0%		109		80	\$25,166	\$25,166		109		80	\$25,414	\$25,414
aluminum, AB, Little Falls	Closed		\$198.60	\$200.52	1.0%		160		80	\$31,710	\$31,710		160		80	\$32,016	\$32,016
cast iron, AB, Armory Square	Closed		\$374.40	\$378.00			- 20		80	\$18,720	\$18,720		- 20		0S	\$18,900	\$18,900
Accessory	7		6	60.00	701.1		26		6	173 16	172 16		36		G	102 16	103
tenon mounting adaptor	Standard		343.44	343.92	1.1%		90		08	\$1,364	\$1,504		90		90	\$1,381	185,18
ARMS AND BRACKETS Arm for Standard > 16ft							;		;	:			:		;		
decorative, Niagara Pedestrian, single	Standard		\$189.84	\$191.64	%6:0		22		80	\$10,441	\$10,441		22		80	\$10,540	\$10,540
Arm for Standard <= 16ft Dcr. crossarm, double, ornamental	Standard		\$102.96	\$103.92					80	80	80				80	80	80
Dcr. crossarm, double, contemporary	Standard		\$102.96	\$103.92					80	80	80			,	80	80	80
Dcr. crossarm, double, ornamental Dcr. (cane/scroll), alum., Little Falls	Standard		\$102.96	\$103.92	0.9%		382		80 80 80	\$39,314 \$7,992	\$39,314 \$7,992		382		\$0 \$0	\$39,680 \$8,070	\$39,680
Bracket for Wood Pole																	
decorative, Park Ave South, single décor., Metropolitan, all types/sizes	Standard Standard		\$105.84	\$106.92	1.0%		322		\$0 \$0	\$34,045 \$0	\$34,045		322		80 80	\$34,393	\$34,393 \$0

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NIAGARA MOHAWK POWER CORPORATION d'b\a NATIONAL GRID P.S.C. No. 214 ELECTRICITY Rate Year 3 Revenue at Rate Year 2 and Proposed Rates

Rate Year 2 T&D rate Proposed T&D rate	0.08669	- 1	Leap Yr=1, NonLeap Yr=0	nLeapYr=0		1 Use Group Tariff Prices		LED Conversion On						LED Conversion On	3.1%	LED Facility % All Other Facility %	0.3%
0.93% increase Description	Rate Year 2 Facility Class	Billed Watts per Lamp (a)	Rate Year 2 Annual Facility Price (C)	Proposed Annual Facility Price (d)	Percent Change Facility C Price (e)	Tariff Wgtd 2 Combined Price (f)	2016 Avg Units Billed (g)	Rate Year 2 Annual Usage (h)	Rate Year 2 Annual T&D Revenue (i)	Rate Year 2 Annual Facility Revenue	Rate Year 2 Amual Total Revenue (k)	Non Leap Yr Burns	FY'18 Avg Fest Units (m)	Proposed Annual Usage (n)	Proposed Annual T&D Revenue (0)	Proposed Annual Facility Revenue (p)	Proposed Annual Total Revenue (q)
BASES Decorative: Metropolian Base Alum, Niagara Base	Standard Standard		\$152.04 \$289.56	\$153.48	0.9%		. 88		80	\$0 \$16,794	\$0 \$16,794		, 89		\$0	\$0 \$16,955	\$0
CONTRACTIONS CONTRACTOR ABSID > 16 ft ABSID > 16 ft, the envy day ABSID > 16 ft, the envy day ABSID > 16 ft, death envy day ABSID > 16 ft, extra benevy day FID Cone Foundation	Standard Standard Standard Closed Closed Standard		\$216.36 \$216.36 \$216.36 \$216.36 \$216.36 \$216.36	\$218.52 \$218.52 \$218.52 \$218.52 \$218.52 \$218.52 \$218.52	1.0% 1.0% 1.0% 1.0% 1.0%		12,568 166 6,536 1 15		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$2,719,285 \$35,916 \$1,414,075 \$145,075 \$145 \$3,245 \$0	\$2,719,285 \$35,916 \$1,414,075 \$1,444 \$3,245 \$9		12,568 166 6,536 1 15		% % % % % % % % % %	\$2,746,432 \$36,274 \$1,428,192 \$146 \$3,278 \$0	\$2,746,432 \$36,274 \$1,428,192 \$146 \$3,278 \$0
Concete - Pre-Cast for anchor base standard > 16 ft for anchor base standard <= 16 ft Mechanical - Screw Type			\$216.36	\$218.52	1.0%		453 581		80 80	\$98,065	\$98,065 \$125,633		453 581		80 80	\$99,044	\$99,044 \$126,887
CIRCUTRY UG Service  cable and conduit direct baried cable CRUG Crucii seed	Obsolete Standard Standard Standard Standard		\$110.52 \$118.68 \$118.68 \$118.68	\$119.88 \$119.88 \$119.88 \$119.88	1.0%		19,310 17,103 7,756		8 8 8 8	\$1,105,446 \$2,291,701 \$2,029,833 \$920,502	\$2,291,701 \$2,029,833 \$920,502 \$0		19,310 17,103 7,756		8 8 8 8	\$2,314,873 \$2,050,358 \$929,809 \$0	\$1,120,287 \$2,314,873 \$2,050,358 \$929,809 \$0
URD Service direct buried cable CR URD Circuit sect	Standard Standard		\$88.44 \$88.44	\$89.28	%6'0 %6'0		13,179		80 80	\$1,165,588	\$1,165,588		13,179		80	\$1,176,658	\$1,176,658 \$0
CONVENIENCE OUTLETS On New Meal/Composite Stud On Existing Meal/Composite Stud On Any Wood Pole Festoon Oultet - Old	Standard Standard Standard Obsolete		\$53.64 \$53.64 \$53.64 \$53.62	\$54.12 \$54.12 \$54.12 \$5.52	%0.0 \$ %6.0 \$ %0.0	54.12 54.12 54.12	1,707 361 809 60		8 80 8 80 8 80	\$91,550 \$19,386 \$43,408 \$331	\$91,550 \$19,386 \$43,408 \$331		1,707 361 809 60		80 80 80 80 80	\$92,369 \$19,560 \$43,797 \$331	\$92,369 \$19,560 \$43,797 \$331
SURV CAMERA ATTACH							33		80	80	80		3		80	80	80
LED L Roadway LED-A LL Roadway LED-B LL Roadway LED-C LL Roadway LED-D LL Roadway LED-E LL Roadway LED-E LL Roadway LED-E	Standard Standard Standard Standard Standard Standard	0 25 48 96 0 210	\$0.00 \$84.00 \$88.80 \$110.40 \$0.00 \$119.40	\$0.00 \$84.24 \$89.04 \$110.76 \$0.00 \$119.76	#DIV/0! 0.3% 0.3% 0.3% 0.3%	\$0.00 \$84.24 \$89.04 \$110.76 \$0.00 \$119.76	- 16,086 15,137 5,963 - 1,454	1,676,937 3,029,841 2,387,018 1,273,618	\$0 \$145,373 \$262,656 \$206,930 \$110,410	\$0 \$1,351,201 \$1,344,174 \$638,290 \$173,655	\$0 \$1,496,574 \$1,606,831 \$865,221 \$0 \$2284,065	347.50 347.50 347.50 347.50 347.50	16,086 15,137 5,963 -	1,676,937 3,029,841 2,387,018 -	\$0 \$146,732 \$265,111 \$208,864 \$0 \$111,442	\$0 \$1,355,062 \$1,347,807 \$660,437 \$174,179	\$0 \$1,501,794 \$1,612,918 \$86,301 \$0 \$285,621
			¥	Annual S.C. 2 Non * Annual S.C.2		Price Exception Usage and Revenue Price Exception Usage and Revenue Annual S.C. 2 Total	n Usage and Revenue n Usage and Revenue Annual S.C. 2 Total	140,280,560 71,610 <b>140,352,171</b>	\$12,160,901 \$6,208 \$12,167,109	\$35,779,644 \$737,440 \$36,517,085	\$47,940,545 \$743,648 <b>\$48,684,194</b>			140,280,560 71,610 <b>140,352,171</b>	\$12,274,549 \$6,266 <b>\$12,280,815</b>	\$36,123,403 \$760,480 <b>\$36,883,883</b>	\$48,397,952 \$766,746 <b>\$49,164,698</b>
New Facility additions (no billed quantities) 24 HR - LL Roadway LED-E Standard 24 HR - LL Roadway LED-D Standard 24 HR - LL Roadway LED-F Standard 24 HR - LL Roadway LED-F Standard	Standard Standard Standard Standard			\$ 176.96 \$ 187.05 \$ 232.68 \$ 251.58					12,338,709	36,520,156		PRC	TARGET REVENUE PROPOSED MINUS TARGET	TARGET REVENUE ED MINUS TARGET	'N' \$12,280,703 \$112	No PE Phase-Out to Retail \$36,864,881 \$49,14 \$19,002 \$19,002 \$10,002 \$10,002 \$10,002 \$10,002 \$10,002 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$10,000 \$	tail \$49,145,584 \$19,114 rounding

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NIAGARA MOHAWK POWER CORPORATION dba NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained) - FACILITIES WITH PRICE EXCEPTIONS

69980.0

Rate Year 2 T&D rate

Proposed Annual Total Revenue (p)	\$290 \$456 \$746	\$7,680 \$2,352 \$10,032	\$606 \$737 \$213 \$28,917 \$7,487 \$21,532 \$55,335 \$11,818 \$1,613 \$10,228 \$33,365 \$13,365 \$11,711 \$564 \$11,711 \$171 \$171 \$171 \$171 \$171 \$171 \$	\$2,850 \$596 \$850 \$2,277 \$6,574	\$7,871 \$694 \$16 \$11,438 \$1,095 \$1,075 \$3,018 \$3,018	\$1,291 \$323 \$499 \$785 \$2,897 \$158 \$607	\$2,781 \$2,781 \$1,954 \$1,778 \$128 \$128 \$340 \$2,105 \$5,563
Proposed Annual Facility Revenue (0)	\$290 \$456 \$746	\$5,343 \$2,352 \$7,695	\$606 \$737 \$213 \$28,917 \$7,487 \$21,552 \$52,552 \$51,552 \$11,818 \$1,613 \$1,613 \$1,613 \$1,613 \$33,365 \$1,711 \$1,711 \$474	\$1,081 \$596 \$850 \$2,277 \$4,805	\$7,871 \$694 \$16 \$11,438 \$1,190 \$1,075 \$33,355 \$33,355 \$33,18	\$336 \$323 \$499 \$785 \$1,943 \$158 \$158 \$607	\$2,781 \$1,954 \$1,278 \$17,966 \$128 \$340 \$2,105 \$5,563
Proposed Annual T&D Revenue (n)	\$0 80 80	\$2,336 \$0 \$2,336	8 8 8 8 8 8 8 8 8 8 8 8 8 8	\$1,769 \$0 \$0 \$0 \$1,769	8 8 8 8 8 8	\$955 80 80 80 80 \$955 80 80 80	8 8 8 8 8 8 8
Proposed Annual Usage (m)		26,702		20,217		10,909	
FY18 Fest Units	4 4 Subtotal:	62 78 Subtotal:	17 25 16 606 606 124 1035 114 17 2,275 575 1,169 1,169 1,169 1,169	24 24 24 24 Subtotal:	495 11 1 503 51 11 11 510 49	8 8 8 8 Subtotal: 4 4 4 4 Subrotal:	230 239 4 4 4 4 4 4 74 74
Non Leap Yr Burns (k)		347.50		347.50		347.50	
Rate Year 2 Annual Total Revenue (i)	\$282 \$442 \$724	\$7,496 \$2,281 \$9,777	\$587 \$714 \$207 \$28039 \$7,260 \$2,088 \$53,679 \$11,460 \$1,564 \$13,564 \$1,564 \$1,564 \$1,147 \$1,147 \$1,147 \$1,147 \$1,147 \$1,147	\$2,801 \$578 \$825 \$2,208 \$6,412	\$7,633 \$673 \$15 \$11,091 \$1,154 \$1,043 \$1,043 \$2,927 \$2,927	\$1,272 \$313 \$484 \$761 \$2,830 \$154 \$588	\$2,697 \$1,895 \$1,239 \$1,7421 \$124 \$330 \$2,041 \$5,394
Rate Year 2 Annual Facility Revenue (i)	\$282 \$442 \$724	\$5,182 \$2,281 \$7,462	\$587 \$714 \$207 \$280,39 \$7,260 \$7,260 \$7,260 \$11,460 \$11,460 \$1,564 \$103,975 \$32,353 \$32,353 \$32,353 \$32,353 \$341 \$14,47	\$1,048 \$578 \$825 \$2,208 \$4,659	\$7,633 \$673 \$15 \$11,091 \$1,154 \$1,043 \$32,345 \$2,927 \$56,880	\$326 \$313 \$484 \$761 \$1,884 \$154 \$588	\$2,697 \$1,895 \$1,239 \$17,421 \$124 \$330 \$2,041 \$5,394
Rate Year 2 R Annual T&D Revenue (h)	\$0 80 80	\$2,315 \$0 \$2,315	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	\$1,753 \$0 \$0 \$0 \$0 \$1,753	8 8 8 8 8 8 8 8	\$946 \$0 \$0 \$0 \$0 \$0 \$946 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	8 8 8 8 8 8 8 8
		26,702		20,217		10,909	
2016 Avg Rate Year 2 Units Annual Billed Usage (f) (g)	4 4 Subtotal:	62.2 77.5 Subtotal:	17.0 25.3 14.8 605.6 123.8 833.6 1034.7 124.3 17.0 227.7 575.2 575.2 168.6 9.0 Subtotat:	24 24 24 Subtotal:	495.0 11.0 1.0 503.0 51.0 11.0 510.3 48.6	Subtotal:  Subtratal:	37 26 239 4 4 4 4 4 4 74
Percent Change Facility Price (e)	3.1%	3.1%	3 1 1 % 3 1 1 % 8 1 1 % 8 1 1 % 8 1 1 % 8 1 1 8 8 1 1 8 8 1 8 1	3.1% 3.1% 3.1% 3.1%	3.1% 3.1% 3.1% 3.1% 3.1% 3.1% 3.1%	3.1% 3.1% 3.1% 3.1% 3.1% 3.1%	3.1% 3.1% 3.1% 3.1% 3.1% 3.1% 3.1%
Proposed Annual Facility Price (d)	\$72.59	\$85.95	\$35.63 \$29.08 \$14.47 \$14.75 \$60.50 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$35.60 \$3	\$45.04 \$24.83 \$35.43 \$94.89	\$15.90 \$63.13 \$15.90 \$22.74 \$23.33 \$97.74 \$65.37	\$42.01 \$40.32 \$62.42 \$98.11 \$39.58 \$151.68	\$75.17 \$75.17 \$75.17 \$75.17 \$31.93 \$85.01 \$75.17
Rate Year 2 Annual Facility Price (c)	\$70.39 \$110.57	\$83.35	\$34.55 \$28.20 \$14.03 \$58.63 \$51.88 \$51.88 \$52.17 \$92.01 \$45.71 \$87.68 \$56.25 \$35.25 \$35.27	\$43.68 \$24.08 \$34.36 \$92.02	\$15.42 \$61.22 \$15.42 \$22.05 \$22.62 \$94.78 \$63.39	\$40.74 \$39.10 \$60.53 \$95.14 \$38.38 \$147.09	\$72.89 \$72.89 \$72.89 \$72.89 \$30.96 \$82.44 \$72.89
Rate Year Retail Facility Price (b)	218.52	84.12817 29.70476	218.52 218.52 218.52 218.52 218.52 218.52 218.52 119.88 119.88 119.88 119.88	98.28 113.28 218.52 119.88	113.28 259.32 340.08 218.52 218.52 218.52 119.88	259.32 218.52 119.88 218.52 119.88	119.88 119.88 119.88 218.52 119.88 119.88
Billed Watts per Lamp (a)		103		202		327	
Price Exception	5,243,017,740 4,356,054,170	8,975,335,963 6,131,161,511	6,046,143,561 8,938,042,980 2,147,823,578 220,880,408 1,461,426,714 1,789,300,004 5,017,48,189 2,127,072,470 4,159,199,691 4,715,198,691 5,953,826,738 688,009,980 9,423,276,332 9,730,049,770	2,514,003,640 9,057,251,892 119,391,034 923,523,835	3,793,634,146 7,967,450,484 6,396,732,077 3,332,548,425 9,725,348,453 2,434,895,558 752,702,727 8,032,131,921	805,054,350 8,996,557,075 2,978,195,981 8,212,261,222 9,761,380,833 6,113,511,345	1,198,891,209 40,907,619 8,598,118,892 1,259,621,896 5,059,173,002 159,784,008 4,693,984,849 5,186,832,478
0.0875 Billcode Description	FD Concrete >16' CR UG Cable & Cndt	LL Open IN 1000 PL Wood OH	FD Concrete =<16 FD Concrete =<16 FD Concrete ><16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete >16 FD Concrete	LL Enclosed IN <2500 SD Steel =<16 AB PT FD Concrete =<16' CR UG Cable & Cndt	SD Steel =<16' AB PT SD Steel>16' AB SD Aluna Armony 36 AB FD Concrete =<16' FD Concrete =<16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Concrete ><16' FD Conc	LL Enclosed IN 4000 SD Steel>16 AB FD Concrete>16 CR UG Cable & Cndt FD Concrete <16 CR UG Cable & Cndt	CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt FD Concrete < 16 CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt CR UG Cable & Cndt
Proposed T&D rate Customer	AMHERST CENTRAL SCHOOL D AMHERST CENTRAL SCHOOL D	CHAUTAUQUA UTILITY DIST CHAUTAUQUA UTILITY DIST	CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO CITY OF BUFFALO	CITY OF SCHENECTADY CITY OF SCHENECTADY CITY OF SCHENECTADY CITY OF SCHENECTADY	CITY OF SYRACUSE DPW CITY OF SYRACUSE DPW CITY OF SYRACUSE DPW CITY OF SYRACUSE DPW CITY OF SYRACUSE DPW CITY OF SYRACUSE DPW CITY OF SYRACUSE DPW CITY OF SYRACUSE DPW	CITY OF UTICA DPW CITY OF UTICA DPW CITY OF UTICA DPW CITY OF UTICA DPW CITY OF UTICA DPW MUSUEM OF SCIENCE & TEC MUSUEM OF SCIENCE & TEC	TOWN OF AMHERST TOWN OF AMHERST TOWN OF AMHERST TOWN OF AMHERST TOWN OF AMHERST TOWN OF AMHERST TOWN OF AMHERST TOWN OF AMHERST

Case 17-E-0238
Appendix 2
Schedule 8.5c
Page 2 of 3

NIAGARA MOHAWK POWER CORPORATION dba NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained) - FACILITIES WITH PRICE EXCEPTIONS

69980.0

Rate Year 2 T&D rate

Kerial Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania Amania			1	Ħ	Rate Year 2	Proposed	Percent			Rate Year 2	Rate Year 2	Rate Year 2				Proposed	Proposed	Proposed
Miscal baringtone   Longing   Miscal baringtone   Longing   Miscal baringtone   Longing   Miscal baringtone   Longing   Miscal baringtone   Longing   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringtone   Miscal baringt				 Retail Facility	Annual Facility		Change Facility	O.O	~	Annual T&D	Annual Facility	Annual Total	Non Leap Yr		Proposed Annual	Annual T&D	Annual Facility	Annual Total
CUCCORRECORD CONTROLLED STATES THE STATE OF THE STATE OF THE STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATES AND STATE	Customer	Billcode Description		Price (b)	Price (c)	Price (d)	Price (e)	Billed (f)	Usage (g)	Revenue (h)	Revenue (i)	Revenue (j)	Burns (k)		Usage (m)	Revenue (n)	Revenue (0)	Revenue (p)
CUCCIONAR CASA         VALUE AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA         TOTAL CASA AREA	TOWN OF AMHERST	CR UG Cable & Cndt	8,553,921,449	119.88	\$72.89	\$75.17	3.1%	21	,	80	\$1,531	\$1,531		21	,	80		\$1.5
CUCTOCAMA CASA         CONTOCAMA CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA         TOWN CASA <th>TOWN OF AMHERST</th> <td>CR UG Cable &amp; Cndt</td> <td>6,092,628,736</td> <td>119.88</td> <td>\$72.89</td> <td>\$75.17</td> <td>3.1%</td> <td>16</td> <td></td> <td>80</td> <td>\$1,166</td> <td>\$1,166</td> <td></td> <td>16</td> <td>•</td> <td>80</td> <td></td> <td>\$1,2</td>	TOWN OF AMHERST	CR UG Cable & Cndt	6,092,628,736	119.88	\$72.89	\$75.17	3.1%	16		80	\$1,166	\$1,166		16	•	80		\$1,2
CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE CALL         CRUCIANE	TOWN OF AMHERST	CR UG Cable & Cndt	8,019,098,590	119.88	\$72.89	\$75.17	3.1%	∞		80	\$583	\$583		∞		80		98
COUCIONA CALL SIGNATION 1988 1729 1711 111 111 111 111 111 111 111 111 1	TOWN OF AMHERST	CR UG Cable & Cndt	3,826,074,801	119.88	\$72.89	\$75.17	3.1%	9		80	\$437	\$437		9	•	80		\$4
OCK COLAN CARE ACLES AND STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STATES STA	TOWN OF AMHERST	CR UG Cable & Cndt	5,509,224,592	119.88	\$72.89	\$75.17	3.1%	20		80	\$1,458	\$1,458		20		80		\$1,5
CONTICIONAR CARR LANGEST STATES TO THE STATE TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTICIONAR CARR LANGEST STATES TO THE CONTI	TOWN OF AMHERST	CR UG Cable & Cndt	9,684,811,658	119.88	\$72.89	\$75.17	3.1%	17		80	\$1,239	\$1,239		17		0\$ ÷		\$1,2
Control College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College College Coll	TOWN OF AMHERST	CR UG Cable & Cndt	9,054,181,941	119.88	\$72.89	\$75.17	3.1%	21		\$0	\$1,531	\$1,531		21		0\$ 0		\$1,5
Controlled Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Control   Con	TOWN OF AMHERST	CR UG Cable & Cndt	8,288,911,599	119.88	\$72.89	\$75.17	3.1%	14		80	\$1,020	\$1,020		14		80		\$1,0
The Compact Color   1,985,17,191   1,988   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,191   17,	TOWN OF AMHERST	CR UG Cable & Cndt	4,122,982,749	119.88	\$72.89	\$75.17	3.1%	29		80	\$2,114	\$2,114		29		80		\$2,1
Out Cloudes Color   1955/2012    11985-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-2014    11995-201	TOWN OF AMHERST	CR UG Cable & Cndt	2,583,157,341	119.88	\$72.89	\$75.17	3.1%	22		80	\$1,604	\$1,604		22		80		\$1,6
Househouse No. 1981 (1791) 1982 (1992) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 1911 (1792) 191	TOWN OF AMHERST	CR UG Cable & Cndt	1,819,291,823	119.88	\$72.89	\$75.17	3.1%	2	•	80	\$146	\$146		2		80		\$1
CHO CORREA CARD         CONTROLLAR CARD         TOTAL CORREA CARD         TOTAL CORREA CARD         TOTAL CORREA CARD         TOTAL CORREA CARD         TOTAL CORREA CARD         TOTAL CORREA CARD         TOTAL CORREA CARD         TOTAL CORREA CARD         TOTAL CORREA CARD         TOTAL CORREA CARD         TOTAL CORREA CARD         TOTAL CORREA CARD         TOTAL CORREA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD         TOTAL COLREGA CARD	TOWN OF AMHERST	FD Concrete >16'	3,598,117,791	218.52	\$30.96	\$31.93	3.1%	20		80	\$619			20		80		98
The Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A Control of A C	TOWN OF AMHERST	CR UG Cable & Cndt	929,770,108	119.88	\$82.44	\$85.01	3.1%	20		80	\$1,649			20	•	80		\$1,7
CH COCRERE > 0.6         S 21,106, 70         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,107, 40         T 10,10	TOWN OF AMHERST	FD Concrete >16'	1,186,852,478	218.52	\$30.96	\$31.93	3.1%	13		80	\$402			13		80		\$
The Contact Case A Case Signal State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State	TOWN OF AMHERST	CR UG Cable & Cndt	4,969,406,205	119.88	\$82.44	\$85.01	3.1%	13		80	\$1,072			13	•	80		\$1,1
CR (LICOMAR COLM   578,46/44)         1989 572-99         571/1 314         27         9         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51         51,004         51,004         51,004         51         51,004         51,004         51,004         51,004         51,004         51,004         51,004         51,004         51,004         51,004         51,004         51,004         51,004         51,004         51,004         51,004         51,004         51,004         51,004         51,004         51,004         51,004 <th>TOWN OF AMHERST</th> <td>FD Concrete &gt;16'</td> <td>5,321,916,719</td> <td>218.52</td> <td>\$30.96</td> <td>\$31.93</td> <td>3.1%</td> <td>37</td> <td>•</td> <td>80</td> <td>\$1,146</td> <td></td> <td></td> <td>37</td> <td>•</td> <td>80</td> <td></td> <td>\$1,1</td>	TOWN OF AMHERST	FD Concrete >16'	5,321,916,719	218.52	\$30.96	\$31.93	3.1%	37	•	80	\$1,146			37	•	80		\$1,1
CRUCIOMA & CAME   346377494   11888   572.89   571.7   1344   22 - 2 - 2   5   51.644   51.644   51.644   51.644   51.6477494   11888   572.89   571.7   1344   22 - 2 - 2   5   5   5   5   5   5   5   5   5	TOWN OF AMHERST	CR UG Cable & Cndt	5,785,461,464	119.88	\$82.44	\$85.01	3.1%	37	,	80	\$3,050			37	•	80		\$3,1
CR (CICCIANE C. C. H. 1901) 7654 9 1 1918 572.89 572.1 314, 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TOWN OF AMHERST	CR UG Cable & Cndt	3,863,774,947	119.88	\$72.89	\$75.17	3.1%	22		80	\$1.604			22		80		81.6
CHO Clocke Coll.         10 (Clocke Coll.         SS 95 (17)         SS 10 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)         SS 95 (17)	TOWN OF AMHERST	CR UG Cable & Cndt	1.001.976.419	119.88	\$72.89	\$75.17	3.1%	23		80	\$1.676			23	٠	0\$		\$1.7
CROCKCORNER COME STAND NATION STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND STAND S	TOWN OF AMHERST	FD Concrete >16'	3 178 546 595	218.52	830.96	\$3193	3.1%	01	,	05	\$310			10	•	0\$		
House Circle & Child Says, 45547 1983 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 1989 8244 198	TOWN OF AMHERST	CR UG Cable & Cndt	3.870.870.318	119.88	\$82.44	\$85.01	3.1%	10	,	80	\$824			10		8		
CR (COC Mode & Code)         20% (SSS 77)         SSS 224         SSS 241         SSS 157         SSS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157         SS 157	TOWN OF AMHERST	FD Concrete >16'	5 423 709 947	218.52	\$30.96	\$31.93	3.1%	5	,	0\$	\$464			15	,	0\$		
CROCKOLOGNE & CARDAIL 1864         287.24         851.91         311-9         5         9         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55         911.55 <t< td=""><th>TOWN OF AMHERST</th><td>CR UG Cable &amp; Cndt</td><td>9.396.458.974</td><td>119.88</td><td>\$82.44</td><td>\$85.01</td><td>3.1%</td><td>15</td><td>,</td><td>08</td><td>\$1.237</td><td>99</td><td></td><td>15</td><td></td><td>0\$</td><td></td><td>59</td></t<>	TOWN OF AMHERST	CR UG Cable & Cndt	9.396.458.974	119.88	\$82.44	\$85.01	3.1%	15	,	08	\$1.237	99		15		0\$		59
CR UC COME & CAME         S SAM 1110 861         2 15 13         3 15 13         3 1 15 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 11 13         3 1	TOWN OF AMHERST	FD Concrete >16'	2.973.199.251	218.52	830.96	\$31.93	3.1%	ν.	,	08	\$155					0\$		
CR UC Cube & Cont         6 (200) 10 (8)         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         18.95         1	TOWN OF AMHERST	CR UG Cable & Cndt	5.616.411.684	119.88	\$82.44	\$85.01	3.1%	, vo	,	08	\$412			· v		os S		
CPU CLOCRAR COLD         CPU CLORAR COLD         CPU CLORAR COLD         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE	TOWN OF AMHERST	FD Concrete >16'	8.626.110.861	218.52	830.96	\$31.93	3.1%	'n		80	\$155					0\$		- IS
PHOCOMENER—CIPE         ORDISALION         21828         SSC19         3115         31         32         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891         5891 </td <th>TOWN OF AMHERST</th> <td>CR UG Cable &amp; Cndt</td> <td>6,430,560,905</td> <td>119.88</td> <td>\$82.44</td> <td>\$85.01</td> <td>3.1%</td> <td>S</td> <td>,</td> <td>80</td> <td>\$412</td> <td></td> <td></td> <td>·v</td> <td></td> <td>0\$</td> <td></td> <td>\$</td>	TOWN OF AMHERST	CR UG Cable & Cndt	6,430,560,905	119.88	\$82.44	\$85.01	3.1%	S	,	80	\$412			·v		0\$		\$
CR UG Chabe & Cutta         43,014 46.04         11988         STS244         STS17         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01         31,01	TOWN OF AMHERST	FD Concrete =<16'	9,002,641,036	218.52	\$30.96	\$31.93	3.1%	32		80	\$991			32	•	80		\$1,0
CR UG Clube & Chat         8,401,466,91         11988         872,51         311%         80         5,346,45         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,546         81,446         81,446         81,446         81,446         81,446         81,446         81,446         81,446         81,446         81,446         81,446         81,446         81,446         81,446         81,446         81,446         81,446         81,446         81,446         81,446         81,446	TOWN OF AMHERST	CR UG Cable & Cndt	7,120,076,700	119.88	\$82.44	\$85.01	3.1%	32		80	\$2,638			32	•	80		\$2,7
CR UG Cuble & Cords ( 1494) 81 572.5 8 7517 3 11% 18 5 9 8 1332 8 1313 8 1 9 9 9 1333 8 1 8 9 1 9 1 9 9 1 9 1 9 1 9 1 9 1 9 1	TOWN OF AMHERST	CR UG Cable & Cndt	8,401,406,914	119.88	\$72.89	\$75.17	3.1%	20	,	80	\$3,645			50		80		\$3,7
CRUG Cuble & Cuble A Cuble A Systy Systy 1 198 8 973.73 1 31%         19 . 9 . 59.5 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83         13.85 8 13.83	TOWN OF AMHERST	CR UG Cable & Cndt	240,138,221	119.88	\$72.89	\$75.17	3.1%	18	•	80	\$1,312			18		80		\$1,3
CR UC Clable & Code         S. S. S. S. S. S. S. S. S. S. S. S. S. S	TOWN OF AMHERST	CR UG Cable & Cndt	4,847,415,974	119.88	\$72.89	\$75.17	3.1%	61		\$0	\$1,385			61		0\$ 0		\$1,4
CRUG Cable Courter   60   505,3174,617   1988   879.54   875.01   3176   17   17   17   18   17   17   18   17   17	TOWN OF AMHERST	FD Concrete >16	2,449,189,902	218.52	\$30.96	\$31.93	3.1%	7.	,	80	\$526			_ :		80		9
The Courage of Mail 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 Section 2014 24 S	TOWN OF AMHERSI	CK UG Cable & Chdt	8,593,764,057	119.88	\$82.44	585.01	3.1%	1 2		08	\$1,401			//		08		4,18
CR UG Clabe & Court         1998         \$52.44         \$85.01         31%         10         -         50         \$82.14         \$82.01         31%         10         -         50         \$82.14         \$82.01         31%         10         -         50         \$82.14         \$82.01         31%         11         -         50         \$83.01           FOR Clabe & Courte = Cold         \$300,478.67         11988         \$82.24         \$85.01         31%         11         -         \$90         \$89.71         \$90.71         \$90         \$90.72         \$90.71         \$90         \$90.72         \$90.72         \$90         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72         \$90.72	TOWN OF AMBERSI	ED Concepts /161	5,055,512,655	210.00	630.06	\$18.51	3.1%	30		08	\$640			000		08		90
CR UG Cable & Code         5006,500,765         1198         575,17         31%         13         8         994         994         994         997           CR UG Cable & Code         4,44,224,942         28.096         575,17         31%         11         9         5941         5341         11         9         5951           CR UG Cable & Code         4,44,224,942         28.096         581,93         31%         11         9         5941         5941         9         5851           CR UG Cable & Code         2,271,591,993         2168         5824         5850         311%         7         9         5277         7         9         5234           CR UG Cable & Code         1,112,1391         21682         5804         5819         31%         9         9         5         577         9         7         9         5         577         9         7         9         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5	TOWN OF AMHERST	CR 11G Cable & Cndt	2 044 788 767	119.88	\$20.70	\$85.01	3.1%	01		Q 9	\$224			10		9		÷ ×
FD Concrete = 164 43,442,244 2. 1848 6. 11 9. 8 1319, 31% 11 1 9. 8 1341 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TOWN OF AMHERST	CR UG Cable & Cndt	5.036.500.765	119.88	\$72.89	\$75.17	3.1%	13		80	\$948			13	٠	0\$		68
CR UG Cable & Catle         8306,448,664         11988         58.24         58.60         31%         11         -         80         8997         8997         11         -         80         8958           PD Convente > IC Cable & Could         577.43,33.36         119.88         882.44         885.01         31%         7         -         80         827.7         7         -         80         827.7         7         -         80         827.7         827.7         7         -         80         827.7         827.7         80         827.7         827.7         80         827.7         827.7         80         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.7         827.	TOWN OF AMHERST	FD Concrete =<16'	4,344,224,942	218.52	\$30.96	\$31.93	3.1%	111		80	\$341			=	•	80		83
HO Concrete > 16   9864,202,652   21842   839.96   831.93   311%   7   2   5   5   5   5   5   5   5   5   5	TOWN OF AMHERST	CR UG Cable & Cndt	8,306,448,664	119.88	\$82.44	\$85.01	3.1%	11		80	\$907	200\$		11	٠	80		6\$
CRUG Cable & Cond.         5977,53,354         119.88         SS.244         SS.01         31%         7         80         SS.77         8.77         8.77         8.85         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         8.85         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9 <th>TOWN OF AMHERST</th> <td>FD Concrete &gt;16'</td> <td>9,864,202,652</td> <td>218.52</td> <td>\$30.96</td> <td>\$31.93</td> <td>3.1%</td> <td>7</td> <td></td> <td>80</td> <td>\$217</td> <td>\$217</td> <td></td> <td>7</td> <td></td> <td>80</td> <td></td> <td>\$2</td>	TOWN OF AMHERST	FD Concrete >16'	9,864,202,652	218.52	\$30.96	\$31.93	3.1%	7		80	\$217	\$217		7		80		\$2
PD Concrete > 16   1791,555,525   1862   835,94   8319,3   31%   9 -	TOWN OF AMHERST	CR UG Cable & Cndt	5,977,593,395	119.88	\$82.44	\$85.01	3.1%	7		80	\$577			7		80		\$5
CR UG Cable & Cold         1,511,213,31         2,192,83,32,44         SSS 01         31%         9         -         50         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2         574,2	TOWN OF AMHERST	FD Concrete >16	2,270,561,615	218.52	\$30.96	\$31.93	3.1%	6		80	\$279			6		80		\$2
The Concrete > 10 (A) 125355.52	TOWN OF AMHERSI	CK UG Cable & Chat	1,611,213,912	119.88	\$82.44	\$85.01	3.1%	6 4		08 8	5/42			6		08 6		À 5
FOCK UC Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable & Court Cable &	TOWN OF AMHERST	CR 11G Cable & Cad	1 791 555 525	119.88	\$20.20	\$21.93	3.1%	n v		0\$	\$412			o v		9		5
CR UC Cable & Chat 938,801,756	TOWN OF AMHERST	FD Concepte >16	6 591 673 476	218.52	830.96	\$31.03	3.1%	n or		9	\$7.12			o oc		9		ţ.S
FD Concrete > 16 HD 6319.818.398	TOWN OF AMHERST	CR UG Cable & Cndt	9.938.501.756	119.88	\$82.44	\$85.01	3.1%	00		08	0998			· •		0\$		98
CR UG Cable & Cndt 6,664,16,54	TOWN OF AMHERST	FD Concrete >16' HD	9.519.818.398	218.52	830.96	\$31.93	3.1%	24		80	\$743			24		OS S		87
FD Concrete > 16	TOWN OF AMHERST	CR UG Cable & Cndt	6,263,416,544	119.88	\$82.44	\$85.01	3.1%	24		80	\$1,979			24	•	80	97	\$2,0
CR UG Cable & Cndt         888,637,796         11988         882.44         \$85.01         31%         11         -         \$90         \$907         \$907         \$11         -         \$90         \$935           FD Concrete > IGH         D 6,331,397,413         218.82         \$30.96         \$31.93         31%         5         -         \$9         \$155         \$155         \$150         -         \$9         \$160           CR UG Cable & Cndt         9,442,246,534         218.82         \$30.96         \$31.93         31%         21         -         \$0         \$650         \$650         \$21         -         \$0         \$1731         \$1731         \$1         -         \$0         \$1731         \$1         -         \$0         \$1731         \$1         -         \$0         \$1731         \$1         -         \$0         \$1731         \$1         -         \$0         \$1731         \$1         -         \$0         \$1731         \$1         -         \$0         \$1731         \$1         -         \$0         \$1731         \$1         -         \$0         \$1782         \$1         -         \$0         \$1731         \$1         -         \$0         \$1732         \$1         - <th>TOWN OF AMHERST</th> <td>FD Concrete &gt;16'</td> <td>7,972,790,067</td> <td></td> <td>\$30.96</td> <td>\$31.93</td> <td>3.1%</td> <td>Ξ</td> <td>,</td> <td>80</td> <td>\$341</td> <td></td> <td></td> <td>Ξ</td> <td>•</td> <td>80</td> <td></td> <td>\$3</td>	TOWN OF AMHERST	FD Concrete >16'	7,972,790,067		\$30.96	\$31.93	3.1%	Ξ	,	80	\$341			Ξ	•	80		\$3
FID Concrete > 16 HD 6,030,397,413 218.52 33.096 \$319.3 3.1% 5 - 50 \$155 \$155 \$155 5 - 50 \$160 \$160 \$160 \$160 \$160 \$160 \$160 \$16	TOWN OF AMHERST	CR UG Cable & Cndt	858,637,796		\$82.44	\$85.01	3.1%	==		80	206\$			==	•	80		6\$
CR UG Clabe & Codi (24,22,246,524) 1988 882.44 885 01 3.1% 5 - 80 5412 5412 542 5 - 80 5425 542 542 542 542 542 542 542 542 54	TOWN OF AMHERST	FD Concrete >16' HD	6,030,397,413		\$30.96	\$31.93	3.1%	S		80	\$155			S		80		\$
PD Concrete > 16 HD 9,372,456,534 218,52 33.99	TOWN OF AMHERST	CR UG Cable & Cndt	9,442,246,922		\$82.44	\$85.01	3.1%	v ;		80	\$412			٠ ;		0\$ °		Z :
CR UG Cable & Cndt 2,146,282,972 218,52 83096 831.93 3.1% 10 - 80 8310 10 - 80 8319   FD Concrete > 16 3,888,225,492 218,52 83096 831.93 3.1% 15 - 80 \$464 \$464 15 - 80 \$479	TOWN OF AMHERST	CP 11G Cable & Cad	7.342.014.020		\$50.96	\$31.93	3.1%	217		08 9	\$650			12 5		08 9		08 2
CR UG Cable & Codt 2,146,522,972 11988 \$82.44 \$85.01 3,1% 10 - \$0 \$82.4 \$82.4 10 - \$0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.0 \$85.	TOWN OF AMHERST	FD Concrete >16'	7 006 920 700		830.96	\$31.93	3.1%	17 0		0\$	\$310			01		9	•	£.
HD Concrete > 16 3,388,225,492 218,52 23096 831,93 3,1% 15 - 80 \$464 \$464 15 - 80 \$479	TOWN OF AMHERST	CR UG Cable & Cndt	2.146.282.972		\$82.44	\$85.01	3.1%	2 2		80	\$824			10		0\$		8
	TOWN OF AMHERST	FD Concrete >16'	3,388,225,492	218.52	\$30.96	\$31.93	3.1%	15		80	\$464			15	٠	80		\$

Case 17-E-0238
Appendix 2
Schedule 8.5c
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NIAGARA MOHAWK POWER CORPORATION dba NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Service Classification No. 2 - Street Lighting (Company Owned and Maintained) - FACILITIES WITH PRICE EXCEPTIONS

ami da pasada i		1								ı								-
			Watts	Rate rear r Retail	Kate Tear 2 Annual	Annual	Change	2016 Avg R	Rate Year 2	Kate rear 2 Annual	Kate Tear 2 Annual	Annual	Non	FY18	Proposed	Annual	Annual	Annual
		Price		_	Facility		Facility	Units			Facility	Total	Leap Yr	Fest	Annual	T&D	Facility	Total
Customer	Billcode Description	Exception	Lamp (a)	Price (b)	Price (c)	Price (d)	Price (e)	Billed (f)	Usage (g)	Revenue (h)	Revenue (i)	Revenue (j)	Burns (k)	Units (I)	Usage (m)	Revenue (n)	Revenue (o)	Revenue (p)
TOWN OF AMHERST	CR UG Cable & Cndt	5.258.665.596		119.88	\$82,44	\$85.01	3.1%	15		80	\$1.237	\$1.237		15	,	0\$	\$1.275	\$1.275
TOWN OF AMHERST	FD Concrete >16'	7,841,872,428		218.52	\$30.96	\$31.93	3.1%	7		80	\$217	\$217		7		80	\$224	\$224
TOWN OF AMHERST	CR UG Cable & Cndt	3,961,986,629		119.88	\$82.44	\$85.01	3.1%	7	,	80	\$577	\$577		7		80	\$595	\$595
TOWN OF AMHERST	FD Concrete >16'	7,059,792,008			\$30.96	\$31.93	3.1%	4 :		80	\$433	\$433		7 :		\$0	\$447	\$447
TOWN OF AMHERST	ED Concrete > 16' HD	6,082,963,339		719.88	\$82.44	\$85.01	3.1%	4 4		08	\$1,154	\$1,134		4 4		08 9	\$1,190	51,19
TOWN OF AMHERST	CR UG Cable & Cndt	8 376 415 574			\$82.44	\$85.01	3.1%	o v		05	\$412	\$412		o vo		9 9	\$425	\$42
TOWN OF AMHERST	FD Concrete >16'	8,235,648,956		218.52	\$30.96	\$31.93	3.1%	9		80	\$186	\$186		9		80	\$192	819
TOWN OF AMHERST	CR UG Cable & Cndt	5,687,709,387		119.88	\$82.44	\$85.01	3.1%	9		80	\$495	\$495		9		80	\$510	\$51
TOWN OF AMHERST	FD Concrete >16' HD	4,202,773,657		218.52	\$30.96	\$31.93	3.1%	∞		80	\$248	\$248		∞		80	\$255	\$255
TOWN OF AMHERST	CR UG Cable & Cndt	7,726,467,374			\$82.44	\$85.01	3.1%	∞		80	8660	099\$		∞		80	8680	898
TOWN OF AMHERST	FD Concrete =<16'	1,744,000,650		218.52	\$30.96	\$31.93	3.1%	35		80	\$1,084	\$1,084		35		80	\$1,118	\$1,118
TOWN OF AMHERST	CR UG Cable & Cndt	5,645,248,952			\$82.44	\$85.01	3.1%	35		80	\$2,885	\$2,885		35		80	\$2,975	\$2,97
TOWN OF AMHERST	FD Concrete >16'	5,972,606,736		218.52	\$30.96	\$31.93	3.1%	6		0\$	\$279	\$279		6		\$0	\$287	\$287
TOWN OF AMHERST	CR UG Cable & Cndt	7,982,962,549		119.88	\$82.44	\$85.01	3.1%	6 (		08	\$742	\$742		6 (		05 9	\$765	\$765
TOWN OF AMHERSI	CP 11G Cabla & Cad	3,707,647,186		110 88	\$50.90	551.93	3.1%	n "		08	6747	593		o 6		08 9	390	390
TOWN OF AMHERST	ED Concrete >16	5 299 394 404		218.52	\$30.96	\$63.01	3.1%	n (*		08	\$647	\$24/		n (r		Q 9	896	0.76
TOWN OF AMHERST	CR UG Cable & Cndt	451,736,027		119.88	\$82.44	\$85.01	3.1%	. "		80	\$247	\$247		, m		80	\$255	\$255
TOWN OF AMHERST	FD Concrete =<16'	5,185,829,268		218.52	\$30.96	\$31.93	3.1%	∞		80	\$248	\$248		∞		80	\$255	\$25
TOWN OF AMHERST	CR UG Cable & Cndt	1,259,611,207			\$82.44	\$85.01	3.1%	∞		80	8660	8660		∞		80	898	898
TOWN OF AMHERST	FD Concrete >16'	3,848,447,984		218.52	\$30.96	\$31.93	3.1%	9		0\$	\$186	\$186		9		\$0	\$192	\$192
TOWN OF AMHERST	CR UG Cable & Cndt	9,356,102,071		119.88	\$82.44	\$85.01	3.1%	9 ;		80	\$495	\$495		9 :		S 8	\$510	851
TOWN OF AMHERSI	CP 11G Cable & Cadt	3,498,700,697		218.52	\$50.96	\$51.93	3.1%	4 7		08 9	\$433	\$433		4 7		OS 5	\$44/ 190	7447
TOWN OF AMHERST	FD Concrete >16'	2 544 525 945		218.52	830.96	\$31.93	3.1%			9	\$186	\$186		<u>t</u> 9		9	\$192	\$19
TOWN OF AMHERST	CR UG Cable & Cndt	9,330,884,808		119.88	\$82.44	\$85.01	3.1%	9		80	\$495	\$495		9		80	\$510	\$510
TOWN OF AMHERST	FD Concrete >16'	9,310,077,600		218.52	\$30.96	\$31.93	3.1%	13		80	\$402	\$402		113		80	\$415	\$415
TOWN OF AMHERST	CR UG Cable & Cndt	1,411,177,711			\$82.44	\$85.01	3.1%	13		80	\$1,072	\$1,072		13		80	\$1,105	\$1,105
TOWN OF AMHERST	FD Concrete >16'	128,925,989		218.52	\$30.96	\$31.93	3.1%	2 2		80	\$372	\$372		2 2		0S S	\$383	838
WIN OF AMHENSI	CN OU CADIE & CHAI	3,724,121,741		00.66	#1.70¢	10.000	5.1.70	Subtotal:	.   .	80	\$104,967	\$104,967	•	Subtotal:		80	\$108,247	\$108,247
																. ;		
TOWN OF QUEENSBURY	SD Steel =<16' AB PT	8,546,322,273		113.28	\$31.96	\$32.96	3.1%	9, 76		0s 9	\$831	\$831		5 2 2 2 2		9 S	78857	5857
TOWN OF QUEENSBURY	CR UG Cable & Cndt	2,587,220,482		119.88	\$122.06	\$125.87	3.1%	26		80	\$3,174	\$3,174		7 7 8		80	\$3,273	\$3,27
								Subtotal:		80	\$5,194	\$5,194	-	Subtotal:		80	\$5,356	\$5,356
TOWN OF TONA WANDA	CR 11G Cable & Cndt	1 344 984 259		119.88	878.84	\$8130	3.1%	249		9	\$19 592	\$19.592		249	,	9	\$20.203	\$20.203
TOWN OF TONA WANDA	CR UG Cable & Cndt	7,484,500,155		119.88	\$77.74	\$80.17	3.1%	905		80	\$70,374	\$70,374		905		80	\$72,574	\$72,57
TOWN OF TONA WANDA	FD Concrete =<16'	7,461,048,530		218.52	\$29.19	\$30.10	3.1%	907	,	80	\$26,473	\$26,473		200		80	\$27,298	\$27,298
TOWN OF TONAWANDA	CR EF Cbl & Cndt/ft	9,165,906,069		0.100934	\$0.10	\$0.10	%0.0	149		80	\$15	\$15		149		80	\$15	\$15
WN OF TONA WANDA	FD Concrete >16'	2,916,555,365		218.52	\$25.24	\$26.03	3.1%	l Subtotal:	. .	80 80	\$19	\$116,454	•	I Subtotal:		\$0 \$0	\$20	\$20
VILLAGE OF KENMORE	CR UG Cable & Cndt	9,602,462,524		119.88	\$48.73	\$50.25	3.1%	1048		80	\$51,077	\$51,077		1,048		80	\$52,670	\$52,670
VILLAGE OF KINDERHOOK	LL Open IN 1000	455,062,850	103	92.71762	\$91.86	\$94.73	3.1%	30	12,922	\$1,120	\$2,763	\$3,884	347.50	30	12,922	\$1,131	\$2,850	\$3,980
VILLAGE OF KINDERHOOK VILLAGE OF KINDERHOOK	CR 11G Cable & Codt	6,254,715,057		32.98511	\$32.68	\$33.70	3.1%	7 7	098	\$75	\$65	\$140	347.50	7 ,	098	\$75	\$67	\$143
		20,01		8				Subtotal:	13,782	\$1,195	\$2,966	\$4,161	•	Subtotal:	13,782	\$1,206	\$3,059	\$4,265
VILLAGE OF WILLIAMSVILLE	CR UG Cable & Cndt	5,308,523,706		119.88	\$83.59	\$86.20	3.1%	103		80	88,589	\$8,589		103	,	80	\$8,857	\$8,857

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NIAGARA MOHAWK POWER CORPORATION d'b'a NATIONAL GRID P.S.C. No. 214 ELECTRICITY Rate Year 3 Revenue at Rate Year 2 and Proposed Rates

Rate Year 2 T&D rate	0.05951			Se	rvice Clas	sification No	fication No. 3 - Street Lighting (Customer Owned an	ghting (Custo	mer Owned a	Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)	æ					Increase	0.9%
Proposed T&D rate	0.06007		- 1			Ī											
0.94% increase			Billed	Rate Year 2 Proposed	Proposed	Percent	2016 Avg	Rate Vear 2	Rate Year 2	Rate Year 2	Rate Year 2	Non	FY:18	Proposed	Proposed	Proposed	Proposed
	Billcode	Price		Facility	Facility	Facility	Units	Annual	T&D	Facility	Total	Leap Yr	Fest	Annual	T&D	Facility	Total
Description	Description	Exception	_	Price (c)	Price (d)	Price (e)	Billed	Usage	Revenue (h)	Revenue (i)	Revenue (i)	Burns (k)	Units	Usage (m)	Revenue (n)	Revenue (o)	Revenue (p)
								ý		>	À						è
(Customer owned & maintained)	EN Energy Only DTD	n/a	n/a	n/a	n/a	n/a	1,461,537	648,922	\$38,617	\$0	\$38,617			648,922	\$38,981	\$0	\$38,981
	3						1,467,763	559,218	\$33,279	\$0	\$33,279			559,218	\$33,592	\$0	\$33,592
							1,467,763	531,330	\$31,620	\$0	\$31,620			531,330	\$31,917	\$0	\$31,917
							1,467,763	447,668	\$26,641	\$0	\$26,641			447,668	\$26,891	\$0	\$26,891
							1,467,634	403,599	\$24,018	80	\$24,018			403,599	\$24,244	\$0	\$24,244
							1,467,634	361,038	\$21,485	0\$	\$21,485			361,038	\$21,688	09	\$21,688
							1,465,491	386,890	\$23,024	0.9	\$23,024			386,890	\$23,240	0,9	\$23,240
							1,474,269	492.406	\$29,303	9 9	\$29,303			492.406	\$29.579	0\$	\$29.579
							1,475,419	579,840	\$34,506	0\$	\$34,506			579,840	\$34,831	\$0	\$34,831
							1,475,669	621,257	\$36,971	\$0	\$36,971			621,257	\$37,319	\$0	\$37,319
							1,475,744	674,415	\$40,135	\$0	\$40,135			674,415	\$40,512	\$0	\$40,512
Contract S.C.3 Account (S.C. 3 T&D rate per contract. No facility charge unless a Company-procured new facility - then, S.	cility charge unless a Com	oany-procured ne	w facility	- then, S.C. 2	.C. 2 price)												
LAMPS																	
High Pressure Sodium																	
W07	LP HS 70	0666666666	98	\$0.00	\$0.00	0.00%	4 (	1,440	\$86	0\$	\$88	347.50	4 2	1,440	2887	\$0	282
M001	LP HS 100	1666666666	8 5	\$0.00	\$0.00	0.00%	4 5	31,488	\$1,874	0\$	\$1,874	347.50	9 10 1	31,488	\$1,891	\$0	\$1,891
250W	LF HS 130 1 P HS 250	266666666666666666666666666666666666666	304	00.08	\$0.00 00.05	%00.0	15/	2 226 048	\$31,303	0\$	\$132,473	347.50	1756	2 226 048	\$133.719	00	\$133.719
400W	LP HS 400	1866666666	470	\$0.00	\$0.00	0.00%	21	41,160	\$2,449	0\$	\$2,449	347.50	21	41,160	\$2,472	0\$	\$2,472
100W	LP HS 100	0	118	\$7.08	\$8.16	15.25%	25	12,300	\$732	\$177	606\$	347.50	25	12,300	\$739	\$204	\$943
Metal Halide		c	Č	9		ò	,	1		ě	6	1	C	1			6
400W	LP MH 400	0 8139419394	20/	\$0.00 \$0.00	\$26.16	%00.0	7 =	7,728	\$103	O\$ €	\$103	347.50	2 5	7,728	\$104	\$112	\$216
Mercury Vapor		1000110010	2				:		-	•	1			000	-	2	-
175W	LP MV 175	0866666666	211	\$0.00	\$0.00	0.00%	24	21,336	\$1,270	\$0	\$1,270	347.50	24	21,336	\$1,282	\$0	\$1,282
LUMINAIRES																	
Arch. (style unknown) 150/175	LM Arch 150/175	9999999975		\$0.00	\$0.00	0.00%	14		\$0	\$0	\$0		4		\$0	\$0	\$0
Arch. (style unknown) 70/100	LM Arch 70/100	9266666666		\$0.00	\$0.00	%00:0	19		\$0	\$0	\$0		19		\$0	\$0	\$0
Edgewater 150	LM Edgewater 150	9999999982		\$0.00	\$0.00	0.00%	730		0\$	0\$	80		730		Q <b>.</b>	0\$	0\$
Lime rans - Teardrop, 70 Roadway 70	LM Roadway 70	9799999999		\$0.00 \$0.00	\$0.00 \$0.00	0.00%	0 4		0.4	0 6	0 4		0 4		O# 6	Q G	G 6
Roadway 150	LM Roadway 150	826666666		\$0.00	\$0.00	0.00%	. 2		\$0	0\$	0\$		. 2		0\$ \$	80	0\$
Roadway 250	LM Roadway 250	11666666666		\$0.00	\$0.00	0.00%	1763		\$0	\$0	\$0		1,763		\$0	\$0	\$0
Roadway 400	LM Roadway 400	8353362633		\$0.00	\$0.00	0.00%	11		\$0	\$0	\$0		=		\$0	\$0	\$0
LM Aspen Grove 100	LM Aspen Grove 100	0		\$101.04	\$102.00	0.95%	25		\$0	\$2,526	\$2,526		25		\$0	\$2,550	\$2,550
	SD Alum Armory Sq AB	9043788437		\$0.00	20.00	%00.0 %00.0			0\$ \$	0\$	0\$		<b>←</b> c		O\$ 0\$	0\$	0\$
	I.M Roadway 400	026666666666666666666666666666666666666		80.00	80.00	%00.0	1 🛎		9	9 4	9 4		4 6		Ç.	0 6	0 4
	LM Aspen Grove 100	1266666666		\$0.00	\$0.00	0.00%	28		0\$	0\$	0\$		- S - 28		8 <b>8</b>	\$0\$	0\$
	LM Traditional 100	999999972		\$0.00	\$0.00	0.00%	20		\$0	\$0	\$0		20		\$0	\$0	\$0
	LM Contemporary 175	999999973		\$0.00	\$0.00	0.00%	15		\$0	\$0	\$0		15		\$	\$0	\$0

\$7,496 \$1,180

\$542,541

TARGET PROPOSED MINUS TARGET

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NIAGARA MOHAWK POWER CORPORATION db/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY Rate Year 3 Revenue at Rate Year 2 and Proposed Rates

Rate Vear 2 T&D rate	0.05951			Ser	vice Classi	ification No.	3 - Street Lig	hting (Custo	mer Owned a	Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)	0					ncrease	% <b>6</b> 0
Proposed T&D rate																10000	8,65
0.94% increase		•	ı			Percent			Rate Year 2	Rate Year 2	Rate Year 2		FY18		Proposed	Proposed	Proposed
	Billoods	Drice	Watts	Annual	Annual	Change Facility	2016 Avg	Rate Year 2	Annual	Annual	Annual	Non Lean Vr	Avg	Proposed	Annual	Annual Facility	Annual
Description	Description	Exception	Lamp			Price	Billed	Usage	Revenue	Revenue	Revenue	Burns	Units	Usage	Revenue	Revenue	Revenue
			(a)	(c)	(p)	(e)	(t)	(g)	(h)	(i)	(i)	(k)	(1)	(m)	(n)	(0)	(d)
POLES/STANDARDS Wood Pole, 1 Span	PL Wood OH =< 1SP	69999983		\$0.00	\$0.00	%00.0	ю		\$0	\$0	\$0		ю		\$	\$	\$
Standard > 16 ft for UG or URD Service																	
Aluminum, anchor base		9866666666		\$0.00	\$0.00	%00:0	223		\$0	\$0	\$0		223		\$0	\$0	\$0
steel, anchor base	SD Steel > 16' AB	999999984			\$0.00	%00:0	31		\$0	\$0	\$0		31		\$0	\$0	\$0
$\frac{\text{Standard} <= 16 \text{ ft}}{\text{for UG or URD Service}}$																	
Aluminum, anchor base, Villager		699999985		\$0.00	\$0.00	%00.0	27		\$0	\$0	\$0		27		\$0	\$0	\$0
Fiberglass, anchor base		2866666666		\$0.00	\$0.00	%00.0	3		\$0	\$0	\$0		က		\$0	\$0	\$0
Fiberglass, direct embedded		8866666666		\$0.00	\$0.00	%00.0	50		\$0	\$0	\$0		20		\$0	\$0	\$0
Fiberglass, direct embedded		0		\$0.00	\$93.72	0.00%	25		\$0	\$0	\$0		25		\$0	\$2,343	\$2,343
Decorative Standard <= 16 ft for UG or URD Service Aluminum, AB, Armory Souare SD, Alum Armory So AB	SD Alum Armory So AB	6866666666		80.00	80.00	%00 <sup>.</sup> 0	728		9	08	9		728		9	0\$	9
		•		000	00 07 00	,000									. 6		
Aluminum, AB, Armory Square SD Alum Armory Sq AB	SD Alum Armory Sq AB	0		\$0.00	\$340.08	0.00%	-		0\$	0	0\$		-		0≱	\$340	8340
FOUNDATIONS																	
Concrete - Cast-In-Place for AB standard > 16 ft	FD Concrete >16'	999999995		\$0.00	\$0.00	0.00%	253		\$0	0\$	\$0		253		0\$	\$0	80
for AB standard > 16 ft		0		\$0.00	\$218.52	0.00%	2		\$0	\$0	\$0		2		\$0	\$437	\$437
for AB standard <= 16 ft		999999994		\$0.00	\$0.00	0.00%	160		\$0	\$0	\$0		260		\$0	\$0	\$0
for AB standard <= 16 ft	FD Concrete =<16'	0		\$196.20	\$218.52	11.38%	-		\$0	\$196	\$196		-		\$0	\$219	\$219
CIRCUITRY																	
UG Service first 50 ft or less per pole																	
cable and conduit		9666666666		\$0.00	\$0.00	0.00%	992		\$0	0\$	\$0		992		0\$	\$0	\$0
cable and conduit	_	0		\$86.28	\$119.88	38.94%	2		\$0	\$173	\$173		2		\$0	\$240	\$240
cable only	CR UG Cable Only	2666666666		\$0.00	\$0.00	%00.0	15		\$0	\$0	\$0		15		\$0	\$0	\$0
URD Service first 10 ft or less per pole																	
direct buried cable		8666666666		\$0.00	\$0.00	%00.0	57		\$0	\$0	\$0		22		\$0	\$0	\$0
direct bunied cable	CR UG Res DB Cable	0		\$0.00	\$89.28	%00.0	25		\$0	\$0	\$0		25		\$0	\$2,232	\$2,232
					Ann	Annual Total		9,032,444	\$537,523	\$3,072	\$540,594			9,032,444	\$542,579	\$8,677	\$551,256
					>	Watertown		2,883,540	\$171,600	\$3,072	\$174,672			2,883,540	\$173,214	\$8,677	\$181,891
						O C		6,148,904	<b>\$365,922</b> \$383,546	<b>0\$</b>	\$365,922			6,148,904	\$369,365	<b>9</b>	\$369,365
														TARGET	\$542 541	87 496	

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NIAGARA MOHAWK POWER CORPORATION d'bba NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Service Classification No. 4 - Traffic Control (Customer Owned and Maintained)

	ase 0.9%	Proposed	Annual		Revenue	(m)	34 \$855,534	\$98,046	34 \$953,580	05 \$953,779 71 -\$198
	Increase	Proposed	Annual	Location Charge	Revenue	(I)	\$855,534	n/a	\$855,534	\$855,705
		Proposed	Annual	T&D	Revenue	(k)	n/a	\$98,046	\$98,046	\$98,073
			Proposed	Annual	Usage	(i)	n/a	8,970,329	8,970,329	TARGET PROPOSED MINUS TARGET
		FY'18	Avg	Fest	Units	(i)	2,809	n/a		OSED MI
intained)		Rate Year 2	Annual	Total	Revenue	(h)	\$847,781	\$97,166	\$944,947	PROF
Service Classification No. 4 - Traffic Control (Customer Owned and Maintained)		Rate Year 2	Annual	Location Charge	Revenue	(g)	\$847,781	n/a	\$847,781	
ntrol (Custom		~1				(f)	n/a	\$97,166	\$97,166	er mo
t - Traffic Con			Rate Year 2	Annual	Billed Usage Revenue	(e)		8,970,329	8,970,329	266.110801 kWh per unit per mo
ification No. 4			2016 Avg	Units	Billed	(p)	2809.1	n/a		
Service Class		Percent	Change	Basic Serv. Basic Serv. Basic Serv.	Charge	(c)	9 0.93%	n/a	Annual Total	
		Proposed	Annual	Basic Serv	Charge	(p)	\$304.56	n/a		
		Rate Year 2 Proposed	Annual	Basic Serv.	Charge	(a)	\$301.80	n/a		
	0.01083 0.01093			Billcode	Description		T	TC 30 Day kWh		
	Rate Year 2 T&D rate Proposed T&D rate	0.91% increase			Description		Traffic Control Location Charge	Traffic Control 30 Day kWh		

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NIAGARA MOHAWK POWER CORPORATION d'b'a NATIONAL GRID P.S.C. No. 214 ELECTRICITY Rate Year 3 Revenue at Rate Year 2 and Proposed Rates

						K. Contra	ate Year 5 ke act Street Lig	venue at Kat thting (Cust	Kate Year 5 Kevenue at Kate Year 2 and Proposed Kates Contract Street Lighting (Customer Contributory Provisions)	roposed Kate: utory Provisi	s (suo)						
	Rate Year 2 T&D rate Proposed T&D rate	0.08669					•									Increase	%6:0
hidden column used by	0.93% increase		Billed	Rate Year 2 I	Proposed Annual	Percent Change	2016 Avg R	Rate Year 2	Rate Year 2 F	Rate Year 2 Annual	Rate Year 2 Annual	Non	FY'18 Avg	Proposed	Proposed Annual	Proposed Annual	Proposed
SC5PRICES tab to get RY1 PRICE	Description	per Ownership Lamp	per Lamp	Facility Price		Facility Price	Units	Annual	T&D Revenue	Facility Revenue	Total Revenue	Leap Yr Burns		Annual Usage	T&D Revenue	Facility Revenue	Total Revenue
			(a)	(c)	(p)	(e)	(f)	(g)	(h)	(i)	(0)	(k)	(1)	(m)	(u)	(0)	(d)
1171629003	1171629003 CENTER FOR DISABILITY SRVCS	,,															
01 - NMP0000003	150W	Company	173	\$7.32	\$7.44	1.6%	4	2,880	\$250	\$29	\$279	347.50	4	2,880	\$252	\$30	\$282
01 - NMP000051P		Company		\$51.12	\$51.60	%6.0	4 (		0\$	\$204	\$204		4 (		O\$ 60	\$206	\$206
01 - NMP000084P	Additional Wood Pole	Company		\$0.00	\$0.00 n/a	ı/a	7		0	0.4	0.4		N		9	0	0
2433882101	2433882101 CITY OF SYRACUSE DPW																
01 - NMP0000002			118	\$7.08	\$7.20	1.7%	44	21,648	\$1,877	\$312	\$2,188	347.50	44	21,648	\$1,894	\$317	\$2,211
01 - NMP0000013	WS/I		211	\$5.88	\$5.88	%0.0	82	72,444	\$6,280	\$484	\$6,764	347.50	82	72,444	\$6,339	\$484	\$6,823
01 - NMP000109P		Company		\$86.28	\$87.12	1.0%	126		OF OS	\$10,900	\$10,900		126		0 <del>6</del> 0 <del>8</del>	\$11,006	\$11.006
01 - NMP000117P		Company		\$1.68	\$1.68	%0.0	1243		\$0	\$2,089	\$2,089		1,243		0\$	\$2,089	\$2,089
01 - NMP000120P		Company		\$48.00	\$48.48	1.0%	42		\$0	\$2,016	\$2,016		42		\$0	\$2,036	\$2,036
01 - NMP000219P	Williamsville 70	Company		\$99.84	\$100.80	1.0%	12		\$0	\$1,198	\$1,198		75		0\$	\$1,210	\$1,210
01 - NMP000270P	aluminum, anchor base, Little Falls	Company		\$198.96	\$200.76	0.9%	43		0\$ G	\$8,555	\$8,555		5 -		0, 6	\$8,633	\$8,633
01 - NMP000337P	T.M Franklin So 100	Company		\$129.84	\$131.04	%0.1 0 0%	31		O# 0#	\$4 025	\$4 025		- 5		0.4	\$4 062	\$4.062
01 - NMP000339P		Company		\$129.84	\$131.04	%6.0	. %		G G	\$10.690	\$10.690		5 %		9	\$10.789	\$10.789
01 - NMP000105P	æ	Company		\$68.55	\$69.24	1.0%	123		<b>8</b>	\$8,432	\$8,432		123		<b>\$ \$</b>	\$8,517	\$8,517
8193879102	TOWN OF HAMLIN																
03 - NMP0000002	100W	customer	118	\$7.08	\$7.20	1.7%	9	2,952	\$256	\$42	\$298	347.50	9	2,952	\$258	\$43	\$302
03 - NMP000056P	Arch. (style unknown) 70/100	customer		\$30.00	\$30.24	%8.0	9		\$0	\$180	\$180		9		\$0	\$181	\$181
03 - NMP000097P	Fiberglass, anchor base	customer		\$25.44	\$25.68	%6.0	9 4		09 9	\$153	\$153		9 (		O\$ 6	\$154	\$154
03 - NMP000107P	for AB standards, all applications	customer		342.00	\$42.30	0.9%	o		<b>9</b>	\$252	\$252		0		<u>9</u>	\$22\$	\$254
03 - NMP000116P	9	customer		\$5.28	\$5.28	%0.0	9		0\$	\$32	\$32		9		\$0	\$32	\$32
03 - NMP000119P	CR EF DB Cable/ft	customer		\$0.48	\$0.48	%0.0	284		\$0	\$136	\$136		284		\$0	\$136	\$136
1913882104	TOWN OF HAMLIN HILLCREST SUBDIV SC 5	SUBDIV SO	C.5	00 13	200	1 70/	2	200	6	6	7.79	247.50	ć	2062	6	6	9
03 - NMP0000003		customer	173	\$7.32	\$7.4	1.6%	. e	2,160	\$187	\$22	\$209	347.50	<u>.</u> w	2,160	\$189	\$22	\$211
03 - NMP000056P	Arch. (style unknown) 70/100	customer		\$30.00	\$30.24	%8.0	10		\$0	\$300	\$300		10		\$0	\$302	\$302
03 - NMP000057P	LM Arch 150/175	customer		\$22.68	\$22.92	1.1%	3		\$0	\$68	\$68		က		\$0	\$69	69\$
03 - NMP000097P	Fiberglass, anchor base	customer		\$25.44	\$25.68	%6.0	16		0\$	\$407	\$407		16		O\$ 60	\$411	\$411
03 - NMP000105P	for anchor base standard <= 16 ft	customer		\$74.52	\$75.24	1.0%	12		80	\$894	\$894		15		80	\$903	\$903
93 - NIMP 000101	for AB standards, all applications	customer		347.00	342.30	0.9%	4		) *	\$108	\$108		4		O#	691.4	90L <del>9</del>
03 - NMP000116P	direct buried cable	customer		\$5.28	\$5.28	%0.0	16		\$0	\$84	\$84		16		\$0	\$84	\$84
03 - NMP000119P	CR EF DB Cable/ft	customer		\$0.48	\$0.48	%0.0	344		O\$ 6	\$165	\$165		344		Q G	\$165	\$165
03 - NMP000313F	Edison 100	customer		\$30.00	\$30.74	0.8%	n		Q#	0.00	0.54		ກ		<u></u>	n A	- A
4973879108		,	Š	c t	e e	Ì		i c	•		1	1	ţ	t	Ī		
03 - NMP0000001	M0/ M00I	customer	86 118	\$7.08	\$7.20	1.7%	15 24	11,808	\$466	\$106	\$572	347.50	15	5,376	\$470	\$108	\$578
03 - NMP0000003	150W	customer	173	\$7.32	\$7.44	1.6%	15	10,824	\$938	\$110	\$1,048	347.50	15	10,824	\$947	\$112	\$1,059
03 - NMP0000004	250W Floodlioht 250	customer	304	\$7.44	\$7.56	1.6%	4 4	5,076	\$440	\$30	\$470	347.50	4 4	5,076	\$444 \$0	\$30 \$88	\$474
03 - NMP000049P		customer		\$18.96	\$19.08	%9.0	10		S S	\$190	\$190		- 6		\$ <b>6</b>	\$191	\$191

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NIAGARA MOHAWK POWER CORPORATION d'b/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY Rate Year 3 Revenue at Rate Year 2 and Proposed Rates Contract Street Lighting (Customer Contributory Provisions)

							0			ĺ						
	Rate Year 2 T&D rate 0.08669	69980.0													Increase	%6'0
	Proposed T&D rate 0.0875															
hidden	0.93% increase	Billed	Rate Year 2	Proposed	Percent			Rate Year 2	Rate Year 2	Rate Year 2		FY18		Proposed	Proposed	Proposed
column used by		Watts	Annual	Annual	Change	Š	Rate Year 2	Annual	Annual	Annual	Non	Avg	Proposed	Annual	Annual	Annual
SC5PRICES tab		ber	Facility	Facility	Facility		Annual	T&D	Facility	Total	Leap Yr	Fest	Annual	T&D	Facility	Total
to get RY1 PRICE	Description	Ownership Lamp	Price	Price	Price		Usage	Revenue	Revenue	Revenue	Burns	Units	Usage	Revenue	Revenue	Revenue
		(a)	(c)	(p)	(e)	(f)	(g)	(h)	(i)	(i)	(k)	(1)	(m)	(n)	(0)	(b)
03 - NMP000097P	Fiberglass, anchor base customer	customer	\$25.44	\$25.68	%6.0	44		80	\$1,119	\$1,119		44		0\$	\$1,130	\$1,130
03 - NMP000099P	Fiberglass, anchor base customer	customer	\$65.16	\$65.76	%6.0	10		\$0	\$652	\$652		10		\$0	\$658	\$658
03 - NMP000107P	for AB standards, all applications customer	customer	\$42.00	\$42.36	%6.0	44		\$0	\$1,848	\$1,848		44		\$0	\$1,864	\$1,864
03 - NMP000110P	cable only customer	customer	\$7.56	82.78	1.6%	15		\$0	\$113	\$113		15		\$0	\$115	\$115
03 - NMP000111P	direct buried cable customer	customer	\$26.28	\$26.52	%6.0	3		\$0	819	879		က		\$0	\$80	\$80
03 - NMP000116P	direct buried cable customer	customer	\$5.28	\$5.28	%0.0	36		\$0	\$190	\$190		36		\$0	\$190	\$190
03 - NMP000118P	CR EF Cable Only/ft customer	customer	\$0.12	\$0.12	%0.0	425		\$0	\$51	\$51		425		\$0	\$51	\$51
03 - NMP000119P	CR EF DB Cable/ft	customer	\$0.48	\$0.48	%0.0	1284		\$0	\$616	\$616		1,284		\$0	\$616	\$616
03 - NMP000309P	Traditional 70 customer	customer	\$30.00	\$30.24	%8.0	5		\$0	\$150	\$150		2		\$0	\$151	\$151
03 - NMP000315P	Traditional 100 customer	customer	\$30.00	\$30.24	%8.0	24		\$0	\$720	\$720		24		\$0	\$726	\$726
03 - NMP000321P	Traditional 150 customer	customer	\$24.60	\$24.84	1.0%	15		\$0	\$369	\$369		15		\$0	\$373	\$373

\$59,984	-\$143
\$12,387	\$0
TARGET	PROPOSED MINUS TARGET

141,564 \$ 12,272 \$ 59,310 \$

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NIAGARA MOHAWK POWER CORPORATION d'b\alpha NATIONAL GRID P.S.C. No. 214 ELECTRICITY Rate Year 3 Revenue at Rate Year 2 and Proposed Rates

				-	Commisso Closs	Rate Year 3	Revenue at 1	Rate Year 3 Revenue at Rate Year 2 and Proposed Rates Souring Classification No. 6. Street Lighting (Customer During Commun. Maintaine)	1 Proposed Rai	tes Maintai	(Poul					
Rate Year 2 T&D rate 0.05951	0.05951				Ser vice Clas	smeanon 140.	C T O T	S E D	Owned, Conn.	pany vramita	(mam				Increase	%6:0
0.94% increase	0.0000	Billed	Rate Year 2 Proposed	Proposed	Percent			Rate Year 2	Rate Year 2	Rate Year 2		FY'18		Proposed	Proposed	Proposed
	2	Watts	Annual	Annual	Change	2016 Avg	Rate Year 2	Annual	Annual	Annual	Non	Avg	Proposed	Annual	Annual	Annual
	Facility	per	Facility	Facility	Facility	Units	Annual	T&D	Facility	Total	Leap Yr	Fest	Annual	T&D	Facility	Total
	Class	Lamp	Price	Price	Price	Billed	Usage	Revenue	Revenue	Revenue	Burns	Units	Usage	Revenue	Revenue	Revenue
Description		(a)	(c)	(p)	(e)	(£)	(g)	(þ)	(i)	(E)	(k)	(1)	(m)	(n)	(0)	(d)
LAMPS																
High Pressure Sodium																
70W		98	\$7.92	\$8.04	1.5%	4	1,380	\$82	\$30	\$112	347.50	4	1,380	\$83	\$31	\$114
100W		118	\$9.12	\$9.24	1.3%	194	95,460	\$5,681	\$1,769	\$7,450	347.50	194	95,460	\$5,734	\$1,793	\$7,527
150W		173	89.60	\$9.72	1.3%	28	41,844	\$2,490	\$557	\$3,047	347.50	28	41,844	\$2,514	\$564	\$3,077
250W		304	\$9.36	\$9.48	1.3%	99	82,404	\$4,904	809\$	\$5,512	347.50	9	82,404	\$4,950	\$616	\$5,566
400W	Closed	470	\$8.16	\$8.28	1.5%	17	33,324	\$1,983	\$139	\$2,122	347.50	17	33,324	\$2,002	\$141	\$2,143
Metal Halide										;						
250W	Closed	295	\$53.52	\$54.00	%6:0	Ξ	13,536	908\$	\$289	\$1,394	347.50	=	13,536	\$813	\$594	\$1,407
Mercury Vapor																
100W	100W Closed	130	\$6.84	\$6.96	1.8%	52	28,188	\$1,677	\$356	\$2,033	347.50	52	28,188	\$1,693	\$362	\$2,055
:																
Continuous Operation Additional Charge																
MV 100W	Closed	130	\$7.56	89.78	2%	0	•	80	80	80	730.00		•	80	80	80
HPS 70	Closed	98	88.76	\$8.88	1%	0		80	80	80	730.00	,		80	80	80
HPS 100	Closed	118	\$10.08	\$10.20	1%	0	•	80	80	80	730.00		,	80	80	80
HPS 150	Closed	173	\$10.56	\$10.68	1%	0	•	80	80	80	730.00	,	•	80	80	80
			•													
				An	Annual Total	401	296,136	\$17,623	\$4,048	\$21,671			296,136	\$17,789	\$4,100	\$21,889
									67.730							
									071,14				TARGET	\$17,788	\$4,094	
											PROPO	SED MIN	PROPOSED MINUS TARGET	\$1	\$6	

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Appendix 2
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NIAGARA MOHAWK POWER CORPORATION db'a NATIONAL GRID P.S.C. No. 214 ELECTRICITY
Rate Year 3 Revenue at Rate Year 2 and Proposed Rates
Replacement Cost Analysis
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Solve for equal % movement to Repl

HPS Roadway Lamps & Luminaires	& Luminaires					0.9% Targ	0.9% Target % Increase				Proposed %	:			ę,
	Component	Current Price	Units	Current Revenue		Target Price	Target Revenue	Repli	Replacement Cost	Replacement Revenue	Movement to Replace Cost	Adjusted Target Price	d Adjusted	t to Replace Cost	_ [
		6					į	•					4		
,0W	NMP0000001	58.04	7,945	\$63,876		8.17	64,4/3	<b>A</b>	10.36	\$82,284		8.16	<b>A</b>		
100w	NIMIP0000002	90.04	10,163				151,182	<b>A</b> (	10.30	316/,422		1.0	-		
150W	NMP0000003	\$8.04	6,729				54,603	A	10.36	269,68/		8.16	•		
250W	NMP0000004	\$8.04	5,899	,			47,868	<b>59</b> (	10.36	\$61,091		8.16	<b>S</b> (		
400W	NMP0000005	\$8.04	1,199			8.12 \$	9,726	<b>A</b>	10.36	\$12,413		8.16	•		
1000W	NMP0000006	\$16.44	71	\$1,172		16.59 \$	1,183	S	10.36	\$738		16.69	9 \$ 1,190		
			38,007								) Outi				
											% SJH	0 1.54%	0		
Roadway 70	NMP000049P	\$55.92	7,945			56.44 \$	448,421	S	209.36	\$1,663,296		56.78	8 \$ 451,111		
Roadway 100	NMP000050P	\$55.92	16,165				912,399	s	209.36	\$3,384,296		56.78	S		
Roadway 150	NMP000051P	\$55.92	6,729			56.44 \$	379,774	s	209.36	\$1,408,670		56.78	s		
Roadway 250	NMP000052P	\$55.92	5,899				332,929	S	209.36	\$1,234,911		56.78	S		
Roadway 400	NMP000302P	\$55.92	1,199				67,649	· 89	209.36	\$250,924		56.78	S		
Roadway, 1000	NMP000053P	\$126.72	71				9,120	s	209.36	\$14,927		128.67	s		
		ı	38,007												
	Total HPS Lan	Total HPS Lamp & Lumiaire		\$2,436			\$2,459,326			\$8,350,660	0.38%		\$2,474,078	0.63%	3%
		% of repla	% of replacement cost	29%			%6.0						1.54%		
LED											6				
	dynamic layer	04.00	0.00	10,010			20000	6	10001	010	% TED %	-	6		
LL Roadway LED-B	NMPLEDRWYB	84.00	12,055	\$1,012,621		84.78	1,022,075	× 6	159.21	\$1,919,245		84.43	<b>&gt;</b> 6		
LL Roadway LED-C	NMPLEDRWYC NMPLEDRWYD	88.80	18,784	\$1,00/,982			1,083,333	A &	101.00	\$3,033,336		27.68			
LL Roadway LED-F	NMPLEDRWYF	119.40	1,270				153 035	9 64	223 39	\$283,678		120.01	9 64		
Tomana and			38,007			9	66,671	•	6:61	,			•		
		Total LED		\$3,483,429			\$3,515,951			\$6,285,819	1.16%		\$3,501,198	0.63%	3%
		% of repla	% of replacement cost	25%			%6.0						0.51%	. 0	
		4 40			E		10000			014 000 470		Ē		Í	
		GKA	GKAND IOTAL	\$5,920,006	Target Kevenue		55,975,277			\$14,636,479		l arget Kevenue	16 \$5,975,277	I.	
					I otal increase	ease	0.9%		L		, o court				
											Ratio LED% to HPS %	33.14%	0		
			Rate Year	Rate Year	Rate Year		Rate Year Labor	Total F	Total Rate Year		Replacement				
	Storeroom	Storeroom	Direct	Materials Cost	Company		Cost with Fringe	Installs	Installation Cost	Carrying	Cost				
	Primary	Misc	Materials	With Tax and	Labor		& Transportation		with	Charge	Carrying				
	Materia	Materials	1500	0105 110		•	Overneau	Capital	Overnicau	Nate	Cilaig				
Lamp	\$ 11.06		\$ 11.61		<b>9</b>			so ·	16.15	12.391%					
Lamp Annual O&M		,			ss (		3.62	ss (	8.36						
Luminaire		166.19	247				402.08	S	913.07		_				
Bracket	\$ 143.05	65.55	\$ 218.94	\$ 304.68	s	_	107.79	s	457.20	12.391%					
	\$ 212.47	\$ 231.74	466	\$ 648.81		235.11 \$	509.86	s	1,370.27		\$ 219.71				
			,					•	0						
ē			\$ 109.03	\$ 151.72	× •	185.41 \$	402.08	× •	720.67	15.424%	\$ 111.16				
(w/Bracket)	A 6					85.41 \$	402.08	A 6	00000	15.424%			_		
	183.30 F & 388.80		\$ 408.06	567.87	 	185.41 \$	402.08	A 64	1 136 82	15.424%	\$ 129.55	\$ 223.30			
	÷		2					•	10.001,1						
		\$ 169.05	\$ 169.05	\$ 235.26	s	49.70 \$	107.79	s	387.77	12.391%	\$ 48.05				

365 4,170

Days/Year Burn Hours/Year

### NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY

## Rate Year 3 Revenue at Rate Year 2 and Proposed Rates Development of Proposed Outage Credit Allowance Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

(1) Billad
kWh of
Per Forecast Total
Lamp Units Units
82,836
25,276
313
863 2,323 1.0%
275
1,881 569 0.2%
4,495 2 0.0%
542 598
880 1,462
Ŭ
4,566 4 0.0%
104 16,086 6.8%
15,137
400 5,963 2.5%
876 1,454
Total 235,109 100.0%

Proposed Base T&D rate (a) 0.08750

	0.03009	0.00028	0.00408	0.034446		1.0101%	
Forecast Commodity Charges (2)	Electricity Supply Cost (Weighted)	Merchant Function Charge	Electricity Supply Reconciliation Mechanism	Sum		Revenue Tax on Delivery and Commodity Bill	
	9000000	0.001212	0.00000.0	0.005701	0.00000.0	0.0000	0.00697
Forecast Volumetric Delivery Adjustments (b)	DLM Surcharge 0.00006	Legacy Transition Charge 0.001212	Renewable Portfolio Surcharge 0.000000	System Benefit Charge 0.005701	Incremental Statement Assessment Surcharge 0.000000	Transmission Revenue Adjustment 0.00000	0 mnS

<sup>(</sup>a) Source: Appendix 2, Schedule 8.2c (b) Source: Appendix 2, Schedule 8.14c

## NIAGARA MOHAWK POWER CORPORATION d'bba NATIONAL GRID P.S.C. No. 214 ELECTRICITY Rate Year 3 Revenue at Rate Year 2 and Proposed Rates Development of Proposed Outage Credit Allowance Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)

		Ξ	(2)	(3)	4	(5)	9)	6	(8)	6)	(10)	(11)	(12)
		Billed	Annual		Percent	Proposed	Proposed	Forecast					Prorated
	Rate Year 2	Watts	kWh		Jo	Annual	Annual	Annual	Forecast	Gross	Total	Average	Average
	Facility	Per	Per	Forecast	Total	Facility	T&D	Commodity	Delivery	Receipts	Annual	Charge	Charge
Dusk-to-Dawn Lamp	Class	Lamp	Lamp	Units	Units	Charge	Charge	Charge	Adjustments	Tax	Charge	Per Night	Per Night
High Pressure Sodium													
M07	Standard	98	359	see note	22.3%	n/a	\$21.57	\$12.37	\$2.50	\$0.37	\$36.81	\$0.10	\$0.02230
100W		118	492	see note	42.2%	n/a	\$29.55	\$16.95	\$3.43	\$0.50	\$50.43	\$0.14	\$0.05903
150W	Standard	173	721	see note	16.5%	n/a	\$43.31	\$24.84	\$5.03	\$0.74	\$73.92	\$0.20	\$0.03305
250W		304	1,268	see note	12.9%	n/a	\$76.17	\$43.68	\$8.84	\$1.30	\$129.99	\$0.36	\$0.04631
400W	Standard	470	1,960	see note	3.1%	n/a	\$117.74	\$67.51	\$13.66	\$2.01	\$200.92	\$0.55	\$0.01722
1000W	Closed	1,106	4,612	see note	0.2%	n/a	\$277.04	\$158.87	\$32.15	\$4.73	\$472.79	\$1.30	\$0.00207
Metal Halide													
175W	Standard	207	863	see note	1.2%	n/a	\$51.84	\$29.73	\$6.02	\$0.88	\$88.47	\$0.24	\$0.00284
250W		295	1,230	see note	0.1%	n/a	\$73.89	\$42.37	\$8.57	\$1.26	\$126.09	\$0.35	\$0.00049
400W	Standard	451	1,881	see note	0.3%	n/a	\$112.99	\$64.79	\$13.11	\$1.93	\$192.82	\$0.53	\$0.00153
1000W		1078	4,495	see note	%0.0	n/a	\$270.01	\$154.84	\$31.33	\$4.61	\$460.79	\$1.26	\$0.00001
Mercury Vapor													
100W	Obsolete	130	542	see note	0.3%	n/a	\$32.56	\$18.67	\$3.78	\$0.56	\$55.57	\$0.15	\$0.00046
175W		211	880	see note	0.7%	n/a	\$52.86	\$30.31	\$6.13	\$0.90	\$90.20	\$0.25	\$0.00186
400W	Obsolete	477	1,989	see note	0.5%	n/a	\$119.48	\$68.51	\$13.86	\$2.04	\$203.89	\$0.56	\$0.00106
1000W	Obsolete	1095	4,566	see note	%0.0	n/a	\$274.28	\$157.28	\$31.83	\$4.68	\$468.07	\$1.28	\$0.00003
			Total		100.0%			Pro	Proposed SC-3 Outage Credit per Lamp per Night:	Outage Cre	dit per Lam	p per Night:	\$0.19
Ord	AT and Desce	D rote (a)	0.06007										
FIC	rioposed base 1&D rate (a) 0.0000/	D rate (a)	0.00007										

Days/Year	09 Burn Hours/Year	28	80	46		%	
	0.03009	0.00028	0.00408	0.034440		1.0101	
Forecast Commodity Charges (2)	Electricity Supply Cost (Weighted)	Merchant Function Charge	Electricity Supply Reconciliation Mechanism	Sum		Revenue Tax on Delivery and Commodity Bill 1.0101%	
Forecast Volumetric Delivery Adjustments (b)	DLM Surcharge 0.00006	Legacy Transition Charge 0.001212	Renewable Portfolio Surcharge 0.000000	System Benefit Charge 0.005701	Incremental Statement Assessment Surcharge 0.000000	Transmission Revenue Adjustment 0.00000	Sum 0.00697

365 4,170

<sup>(</sup>a) Source: Appendix 2, Schedule 8.2c (b) Source: Appendix 2, Schedule 8.14c

NOTE: Since quantities are unknown in SC3, a weighted % based upon the SC2 data is used.

# NIAGARA MOHAWK POWER CORPORATION d'bba NATIONAL GRID P.S.C. No. 214 ELECTRICITY Rate Year 3 Revenue at Rate Year 2 and Proposed Rates Development of Proposed Outage Credit Allowance Service Classification No. 6 - Street Lighting (Customer Owned, Company Maintained)

Billed Annual Avg Percent Proposed Proposed Forecast Forecast   Proposed Proposed Forecast Facility Per Per Porcast Total Facility of Annual Annual Annual Forecast Forecast Facility Per Per Porcast Total Facility T&D Commodity Delivery Receipts Annual Charge Charge Charge Per Night Per Night Pressure Sodium Closed 118 492 194 48.4% \$9.24 \$29.55 \$16.95 \$3.43 \$0.60 \$59.77 \$0.16 \$0.07744 \$1.00W Closed 118 492 194 48.4% \$9.24 \$29.55 \$16.95 \$3.43 \$0.60 \$59.77 \$0.16 \$0.07744 \$1.00W Closed 173 721 58 14.5% \$9.72 \$43.31 \$24.84 \$5.03 \$0.84 \$83.74 \$0.23 \$0.0328 \$2.00W Closed 470 11.960 17 4.2% \$8.94 \$76.17 \$43.86 \$8.84 \$1.40 \$139.57 \$0.38 \$0.0015 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$1.77 \$			(1)	(2)	(3)	(4)	(5)	(9)	(7)	(8)	(6)	(10)	(11)	(12)
Rate Year 2         Watts         kWh         Monthly         of         Annual         Annual         Annual         Forecast         Gross         Total         Average         Average         Average           Class         Lamp         Lamp         Units         Units         Charge         Charge         Charge         Charge         Charge         Charge         Adjustments         Tax         Charge         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night         Per Night <td></td> <td></td> <td>Billed</td> <td>Annual</td> <td>Avg</td> <td>Percent</td> <td>Proposed</td> <td>Proposed</td> <td>Forecast</td> <td></td> <td></td> <td></td> <td></td> <td>Prorated</td>			Billed	Annual	Avg	Percent	Proposed	Proposed	Forecast					Prorated
Facility         Per         Per         Forecast         Total         Facility         T&D         Commodity         Delivery         Receipts         Annual         Charge         Clase           Closed         86         359         4         1.0%         88.04         \$21.57         \$12.37         \$2.50         \$0.45         \$44.93         \$0.12         \$6.15           Closed         118         492         194         48.4%         \$9.24         \$29.55         \$16.95         \$3.43         \$0.60         \$59.77         \$0.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.17         \$6.17         \$6.16         \$6.16         \$6.16         \$6.17         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.16         \$6.17         \$6.16         \$6.16		Rate Year 2	Watts	kWh	Monthly	Jo	Annual	Annual	Annual	Forecast	Gross	Total	Average	Average
Class         Lamp         Lamp         Units         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge         Charge		Facility	Per	Per	Forecast	Total	Facility	T&D	Commodity		Receipts	Annual	Charge	Charge
Closed 86 359 4 1.0% \$8.04 \$21.57 \$12.37 \$2.50 \$0.45 \$44.93 \$0.12 \$8.01 \$Closed 118 492 194 48.4% \$9.24 \$29.55 \$16.95 \$3.43 \$0.60 \$59.77 \$0.16 \$9.00 \$Closed 173 721 58 14.5% \$9.72 \$43.31 \$24.84 \$5.03 \$0.84 \$83.74 \$0.23 \$9.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.	Dusk-to-Dawn Lamp		Lamp	Lamp	Units	Units	Charge	Charge	Charge	Adjustments		Charge	Per Night	Per Night
OW         Closed         86         359         4         1.0%         \$8.04         \$21.57         \$12.37         \$2.50         \$0.45         \$44.93         \$0.12         \$0.00           OW         Closed         118         492         194         48.4%         \$9.24         \$29.55         \$16.95         \$3.43         \$0.60         \$59.77         \$0.16         \$9.00           OW         Closed         173         721         58         14.5%         \$9.43         \$1.48         \$5.03         \$0.84         \$83.74         \$0.23         \$0.06         \$0.03         \$0.04         \$0.03         \$0.04         \$0.03         \$0.06         \$0.03         \$0.06         \$0.03         \$0.06         \$0.03         \$0.06         \$0.03         \$0.06         \$0.03         \$0.06         \$0.03         \$0.06         \$0.06         \$0.06         \$0.06         \$0.07         \$0.06         \$0.06         \$0.06         \$0.06         \$0.06         \$0.07         \$0.06         \$0.07         \$0.06         \$0.07         \$0.06         \$0.06         \$0.06         \$0.06         \$0.07         \$0.06         \$0.06         \$0.06         \$0.06         \$0.06         \$0.06         \$0.06         \$0.06         \$0.06         \$0.06<	High Pressure Sodium													
OW         Closed         118         492         194         48.4%         \$9.24         \$29.55         \$16.95         \$3.43         \$0.60         \$59.77         \$0.16         3           OW         Closed         173         721         58         14.5%         \$9.72         \$43.31         \$24.84         \$5.03         \$0.84         \$83.74         \$0.23         \$9           OW         Closed         1.268         65         16.2%         \$9.48         \$76.17         \$43.68         \$8.84         \$1.40         \$1.957         \$0.33         \$0.33         \$0.33         \$0.33         \$0.33         \$0.33         \$0.33         \$0.33         \$0.34         \$0.32         \$0.33         \$0.34         \$0.34         \$0.34         \$0.34         \$0.33         \$0.34         \$0.34         \$0.34         \$0.34         \$0.34         \$0.34         \$0.34         \$0.34         \$0.34         \$0.34         \$0.34         \$0.57         \$0.34         \$0.49         \$0.49         \$0.49         \$0.49         \$0.49         \$0.49         \$0.49         \$0.49         \$0.49         \$0.49         \$0.49         \$0.49         \$0.49         \$0.49         \$0.49         \$0.49         \$0.49         \$0.49         \$0.49         \$0.4	M07		98	359	4	1.0%	\$8.04	\$21.57	\$12.37	\$2.50	\$0.45	\$44.93	\$0.12	\$0.00115
0W         Closed         173         721         58         14.5%         \$9.72         \$43.31         \$24.84         \$5.03         \$0.84         \$83.74         \$0.23         5           0W         Closed         304         1,268         65         16.2%         \$9.48         \$76.17         \$43.68         \$8.84         \$1.40         \$139.57         \$0.38         \$0.09           0W         Closed         470         1,960         17         4.2%         \$8.28         \$117.74         \$67.51         \$13.66         \$2.09         \$209.28         \$0.57         \$9           0W         Closed         295         1,230         11         2.7%         \$54.00         \$73.89         \$42.37         \$8.57         \$1.81         \$180.64         \$0.49         \$9           0W         Closed         130         542         52         13.0%         \$6.96         \$32.56         \$18.67         \$3.78         \$0.63         \$6.260         \$0.17         \$9           1         10tal         401         100.0%         100.0%         100.0%         100.0%         100.0%         100.0%         100.0%         100.0%         100.0%         100.0%         100.0%         100.0%	100W		118	492	194	48.4%	\$9.24	\$29.55	\$16.95	\$3.43	80.60	\$59.77	\$0.16	\$0.07744
OW         Closed         304         1,268         65         16.2%         89.48         \$76.17         \$43.68         \$8.84         \$1.40         \$139.57         \$0.38         \$8           OW         Closed         470         1,960         17         4.2%         \$8.28         \$117.74         \$67.51         \$13.66         \$2.09         \$209.28         \$0.57         \$9           OW         Closed         295         1,230         11         2.7%         \$54.00         \$73.89         \$42.37         \$8.57         \$1.81         \$180.64         \$0.49         \$9           OW         Closed         130         \$6.96         \$32.56         \$18.67         \$3.78         \$0.63         \$62.60         \$0.17         \$8           Total         401         100.0%         Proposed SC-6 Outage Credit per Lamp per Night:	150W		173	721	58	14.5%	\$9.72	\$43.31	\$24.84	\$5.03	\$0.84	\$83.74	\$0.23	\$0.03328
OW         Closed         470         1,960         17         4.2%         \$8.28         \$117.74         \$67.51         \$13.66         \$2.09         \$209.28         \$0.57         \$10.57           OW         Closed         295         1,230         11         2.7%         \$54.00         \$73.89         \$42.37         \$8.57         \$1.81         \$180.64         \$0.49         \$10.00           OW         Closed         130         542         52         13.0%         \$6.96         \$32.56         \$18.67         \$3.78         \$0.63         \$62.60         \$0.17         \$10.00           Total         401         100.0%         Proposed SC-6 Outage Credit per Lamp per Night:	250W	_	304	1,268	9	16.2%	\$9.48	\$76.17	\$43.68	\$8.84	\$1.40	\$139.57	\$0.38	\$0.06162
0W         Closed         295         1,230         11         2.7%         \$54.00         \$73.89         \$42.37         \$8.57         \$1.81         \$180.64         \$0.49         \$           0W         Closed         130         542         52         13.0%         \$6.96         \$32.56         \$18.67         \$3.78         \$0.63         \$62.60         \$0.17         \$           Total         401         100.0%         Proposed SC-6 Outage Credit per Lamp per Night:	400W		470	1,960	17	4.2%	\$8.28	\$117.74	\$67.51	\$13.66	\$2.09	\$209.28	\$0.57	\$0.02417
0W     Closed     295     1,230     11     2.7%     \$54.00     \$73.89     \$42.37     \$8.57     \$1.81     \$18.64     \$0.49     \$       0W     Closed     130     542     52     13.0%     \$6.96     \$32.56     \$18.67     \$3.78     \$0.63     \$6.260     \$0.17     \$       Total     401     100.0%     Proposed SC-6 Outage Credit per Lamp per Night:	Metal Halide													
0W         Closed         130         \$6.96         \$32.56         \$18.67         \$3.78         \$0.63         \$6.60         \$0.17         \$1.00           Total         401         100.0%         Proposed SC-6 Outage Credit per Lamp per Night:	250W	_	295	1,230	Ξ	2.7%	\$54.00	\$73.89	\$42.37	\$8.57	\$1.81	\$180.64	\$0.49	\$0.01345
Closed 130 542 52 13.0% \$6.96 \$32.56 \$18.67 \$3.78 \$0.63 \$62.60 \$0.17 \$	Mercury Vapor													
401 100.0% Proposed SC-6 Outage Credit per Lamp per Night:	100W		130	542	52	13.0%	\$6.96	\$32.56	\$18.67	\$3.78	\$0.63	\$62.60	\$0.17	\$0.02205
inguised driver advisory against a constant				Total	401	100 0%			Pro	) 9-DS pasour	Jutage Cre	dit ner Lam	n ner Ni <i>o</i> ht	\$0.23
				100		20.00				2000	aro samo	The same	S	÷

Proposed Base T&D rate (a) 0.06007

365 4,170

(a) Source: Appendix 2, Schedule 8.2c (b) Source: Appendix 2, Schedule 8.14c

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID P.S.C. NO. 214 ELECTRICITY

Rate Year 2 and Proposed Volumetric Rates for Customer Impact Analysis  ${\bf RATE\ YEAR\ 3}$ 

		Rate Ye	ar 3 (FY 2021)	Rate Year 3 (FY 2021) at Rate Year 2 Rates	ies	Rate Yea	ar 3 (FY 2021)	Rate Year 3 (FY 2021) at Proposed Rates		ď	Percentage Change in Rate	e in Rate	
	1 1	SC-1 SC	SC-2/Contract	SC-3/SC-6	SC-4	SC-1 S	SC-2/Contract	SC-3/SC-6	SC-4	SC-1 SC	SC-2/Contract S	SC-3/SC-6	SC-4
	COMMODITY RATES												
Note	Flectricity Sumuly Cost - Western	0.0050	50920	509200	0.03337	509200	509200	509200	0.03337	%0 0	%0 0	%0 0	%0 0
(E)	received supply cost western	0.0200	0070:0	0.070.0	0.0000	007070	0070.0	0.020.0	0.000				
(E)	Electricity Supply Cost - Central	0.02611	0.02611	0.02611	0.03226	0.02611	0.02611	0.02611	0.03226	%0.0	0.0%	%0.0	%0.0
(E)	Electricity Supply Cost - Eastern	0.03811	0.03811	0.03811	0.04409	0.03811	0.03811	0.03811	0.04409	%0.0	0.0%	%0.0	%0:0
(2)	MFC (Merchant Function Charge)	0.00028	0.00028	0.00028	0.00028	0.00028	0.00028	0.00028	0.00028	%0.0	%0.0	%0.0	%0.0
	MFC (Merchant Function Charge %)	0.776%	0.776%	0.776%	0.776%	%9/1/0	0.776%	%9/1/0	0.776%	0.0%	0.0%	0.0%	0.0%
(3)	ESRM & CESS	0.004080	0.00408	0.00408	0.00408	0.00408	0.00408	0.00408	0.00408	%0.0	%0.0	%0.0	%0.0
	TOTAL COMMODITY (WESTERN)	0.030614	0.030614	0.030614	0.037989	0.030614	0.030614	0.030614	0.037989	0:0%	%0:0	0.0%	0.0%
	TOTAL COMMODITY (CENTRAL)	0.030678	0.030678	0.030678	0.036871	0.030678	0.030678	0.030678	0.036871	%0.0	%0.0	%0.0	%0:0
	TOTAL COMMODITY (EASTERN)	0.042766	0.042766	0.042766	0.048796	0.042766	0.042766	0.042766	0.048796	%0.0	%0.0	0.0%	%0.0
IO	DELIVERY RATES												
(4)	Base T&D Rates	0.08669	0.08669	0.05951	0.01083	0.08750	0.08750	0.06007	0.01093	%6:0	%6.0	%6.0	%6.0
(5)	DLM	0.00006	0.000057	0.000057	0.000057	0.000057	0.000057	0.000057	0.000057	0.0%	%0.0	%0.0	%0.0
(9)	LTC (Legacy Transition Charge)	0.001212	0.001212	0.001212	0.001212	0.001212	0.001212	0.001212	0.001212	0.0%	%0.0	%0.0	%0.0
6	SBC w/ EE (System Benefit Charge)	0.005701	0.005701	0.005701	0.005701	0.005701	0.005701	0.005701	0.005701	%0:0	%0.0	0.0%	%0.0
(8)	Clean Energy Supply - Deilvery	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	%0:0	%0.0	0.0%	0.0%
(6)	Transmission Revenue Adjustment (TRA)	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0%	%0.0	%0.0	%0.0
	DELIVERY SUM	0.093660	0.093660	0.066481	0.017803	0.094471	0.094471	0.067041	0.017901	%6.0	%6.0	0.8%	%9.0
	TOTAL VOLUMETRIC RATE (WESTERN)	0.124275	0.124275	0.097095	0.055791	0.125085	0.125085	0.097655	0.055889	0.7%	0.7%	%9:0	0.2%
	TOTAL VOLUMETRIC RATE (CENTRAL)	0.124338	0.124338	0.097159	0.054674	0.125149	0.125149	0.097719	0.054772	0.7%	0.7%	%9.0	0.2%
	TOTAL VOLUMETRIC RATE (EASTERN)	0.136426	0.136426	0.109247	0.066598	0.137237	0.137237	0.109807	0.066696	%9.0	%9.0	0.5%	0.1%

 <sup>(1)</sup> Company forecast supporting Appendix 2, Schedule 2
 (2) Appendix 2, Schedule 7.1
 (3) Forecast ESRM is set to zero for reconciliation adjustments, plus CESS.
 (4) Appendix 2, Schedule 8.1c
 (5) to (9) Forecast rates are from Appendix 2, Schedule 4

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Average Total Bill Percent Increases by Service Class RY3

Increase on T&D & Facility Revenue	%6:0	%6.0	%6.0	%6.0	%6.0	%6:0	0.9%
Average In Percent or Total Bill & Increase	0.8%	0.8%	%9.0	%2'0	%6.0	%9.0	0.8%
Revenue Requirement Increase	\$32,941	\$454,589	\$5,088	\$8,822	699\$	\$202	502,312
Rate Year 2 Total Bill	\$4,383,817	\$54,214,831	\$900,439	\$1,352,400	\$77,273	\$33,334	\$ 60,962,095 \$
Rate Year 2 Commodity	\$703,958 16%	\$4,545,500 8%	\$292,528 32%	\$344,916 26%	\$4,585 6%	\$9,591 29%	5,901,079
Rate Year 2 T&D Surcharges	\$151,514 3%	\$978,336 2%	\$62,961 7%	\$62,528 5%	\$987	\$2,064 6%	3 1,258,391 \$
Rate Year 2 Facility	\$1,644,035 38%	\$36,523,886 67%	\$7,427 1%	\$847,790 63%	\$59,429 77%	\$4,056 12%	\$ 39,086,626 \$
Rate Year 2 T&D	\$1,884,311 43%	\$12,167,109 22%	\$537,523 60%	\$97,166 7%	\$12,272 16%	\$17,623 53%	
Rate Year 2 Usage	21,736,230	140,352,171	9,032,444	8,970,329	141,564	296,136	180,528,874 \$ 14,716,005
I	SC-1	SC-2	SC-3	SC-4	SC-5	8C-6	

	SC	C1 Custor	ner Bill Im	pact Analy	sis	RY3		
			# cust	% of cust		\$ Impact	Imp	act/cust
Decrease of		<-10%	0	0.0%	\$	-		
Decrease of	-10%	-9%	0	0.0%	\$	-		
Decrease of	-9%	-8%	0	0.0%	\$	-		
Decrease of	-8%	-7%	0	0.0%	\$	-		
Decrease of	-7%	-6%	0	0.0%	\$	-		
Decrease of	-6%	-5%	0	0.0%	\$	-		
Decrease of	-5%	-4%	0	0.0%	\$	-		
Decrease of	-4%	-3%	0	0.0%	\$	-		
Decrease of	-3%	-2%	0	0.0%	\$	-		
Decrease of	-2%	-1%	0	0.0%	\$	-		
Decrease of	-1%	0%	0	0.0%	\$	-		
Increase of	0%	1%	1889	31.0%	\$	13,513	\$	7
Increase of	1%	2%	4209	69.0%	\$	31,936	\$	8
Increase of	2%	3%	0	0.0%	\$	-		
Increase of	3%	4%	0	0.0%	\$	-		
Increase of	4%	5%	0	0.0%	\$	-		
Increase of	5%	6%	0	0.0%	\$	-		
Increase of	6%	7%	0	0.0%	\$	-		
Increase of	7%	8%	0	0.0%	\$	-		
Increase of	8%	9%	0	0.0%	\$	-		
Increase of	9%	10%	0	0.0%	\$	-		
Increase of	10%	11%	0	0.0%	\$	-		
Increase of	11%	12%	0	0.0%	\$	-		
Increase of	12%	13%	0	0.0%	\$	-		
Increase of	13%	14%	0	0.0%	\$	-		
Increase of	14%	15%	0	0.0%	\$	-		
Increase of	15%	16%	0	0.0%	\$	-		
Increase of	16%	17%	0	0.0%	\$	-		
Increase of	17%	18%	0	0.0%	\$	-		
Increase of	18%	19%	0	0.0%	\$	-		
Increase of	19%	20%	0	0.0%	\$	-		
Increase of	20%	23%	0	0.0%	\$	-		
Increase of	23%	26%	0	0.0%	\$	-		
Increase of		>30%	0	0.0%	\$	-		
Tetala	/annual !		C000	4000/	•	45 450	<u> </u>	7
lotais	(annual i	mpact)	6098	100%	\$	45,450	\$	

	S	C2 Custor	mer Bill Im	pact Analy	sis F	RY3	
			# cust	% of cust		\$ Impact	Impact/cust
Decrease of		<-10%	0	0%	\$	-	
Decrease of	-10%	-9%	0	0%	\$	-	
Decrease of	-9%	-8%	0	0%	\$	-	
Decrease of	-8%	-7%	0	0%	\$	-	
Decrease of	-7%	-6%	0	0%	\$	-	
Decrease of	-6%	-5%	0	0%	\$	-	
Decrease of	-5%	-4%	0	0%	\$	-	
Decrease of	-4%	-3%	0	0%	\$	-	
Decrease of	-3%	-2%	0	0%	\$	-	
Decrease of	-2%	-1%	0	0%	\$	-	
Decrease of	-1%	0%	0	0%	\$	-	
Increase of	0%	1%	60	8%	\$	68,672	\$ 1,145
Increase of	1%	2%	704	92%	\$	537,689	\$ 764
Increase of	2%	3%	1	0%	\$	31	\$ 31
Increase of	3%	4%	0	0%	\$	-	
Increase of	4%	5%	0	0%	\$	-	
Increase of	5%	6%	0	0%	\$	-	
Increase of	6%	7%	0	0%	\$	-	
Increase of	7%	8%	0	0%	\$	_	
Increase of	8%	9%	0	0%	\$	-	
Increase of	9%	10%	0	0%	\$	_	
Increase of	10%	11%	0	0%	\$	-	
Increase of	11%	12%	0	0%	\$	-	
Increase of	12%	13%	0	0%	\$	-	
Increase of	13%	14%	0	0%	\$	-	
Increase of	14%	15%	0	0%	\$	-	
Increase of	15%	16%	0	0%	\$	-	
Increase of	16%	17%	0	0%	\$	-	
Increase of	17%	18%	0	0%	\$	-	
Increase of	18%	19%	0	0%	\$	-	
Increase of	19%	20%	0	0%	\$	-	
Increase of	20%	23%	0	0%	\$	-	
Increase of	23%	26%	0	0%	\$	-	
Increase of		>30%	0	0%	\$	-	
Totale	(annual i	impact)	765	100%	\$	606,392	\$ 793
TOLAIS	(ammual l	iiipact)	700	100%	Ψ	000,392	क १३३

	S	C3 Custor	ner Bill Im	pact Analy	sis	RY3		
			# cust	% of cust		\$ Impact	Imp	act/cust
Decrease of		<-10%	0	0%	\$	-		
Decrease of	-10%	-9%	0	0%	\$	-		
Decrease of	-9%	-8%	0	0%	\$	-		
Decrease of	-8%	-7%	0	0%	\$	-		
Decrease of	-7%	-6%	0	0%	\$	-		
Decrease of	-6%	-5%	0	0%	\$	-		
Decrease of	-5%	-4%	0	0%	\$	-		
Decrease of	-4%	-3%	0	0%	\$	-		
Decrease of	-3%	-2%	0	0%	\$	-		
Decrease of	-2%	-1%	0	0%	\$	-		
Decrease of	-1%	0%	0	0%	\$	-		
Increase of	0%	1%	50	38%	\$	1,929	\$	39
Increase of	1%	2%	80	62%	\$	5,002	\$	63
Increase of	2%	3%	0	0%	\$	-		
Increase of	3%	4%	0	0%	\$	-		
Increase of	4%	5%	0	0%	\$	-		
Increase of	5%	6%	0	0%	\$	-		
Increase of	6%	7%	0	0%	\$	-		
Increase of	7%	8%	0	0%	\$	-		
Increase of	8%	9%	0	0%	\$	-		
Increase of	9%	10%	0	0%	\$	-		
Increase of	10%	11%	0	0%	\$	-		
Increase of	11%	12%	0	0%	\$	-		
Increase of	12%	13%	0	0%	\$	-		
Increase of	13%	14%	0	0%	\$	-		
Increase of	14%	15%	0	0%	\$	-		
Increase of	15%	16%	0	0%	\$	-		
Increase of	16%	17%	0	0%	\$	-		
Increase of	17%	18%	0	0%	\$	-		
Increase of	18%	19%	0	0%	\$	-		
Increase of	19%	20%	0	0%	\$	-		
Increase of	20%	23%	0	0%	\$	-		
Increase of	23%	26%	0	0%	\$	-		
Increase of		>30%	0	0%	\$	-		
							_	
Totals	(annual i	mpact)	130	100%	\$	6,932	\$	53

	S	C4 Custor	ner Bill Im	pact Analy	sis R	Y3	
			# cust	% of cust		\$ Impact	Impact/cust
Decrease of		<-10%	0	0.0%	\$	-	•
Decrease of	-10%	-9%	0	0.0%	\$	-	
Decrease of	-9%	-8%	0	0.0%	\$	-	
Decrease of	-8%	-7%	0	0.0%	\$	-	
Decrease of	-7%	-6%	0	0.0%	\$	-	
Decrease of	-6%	-5%	0	0.0%	\$	-	
Decrease of	-5%	-4%	0	0.0%	\$	-	
Decrease of	-4%	-3%	0	0.0%	\$	-	
Decrease of	-3%	-2%	0	0.0%	\$	-	
Decrease of	-2%	-1%	0	0.0%	\$	-	
Decrease of	-1%	0%	0	0.0%	\$	-	
Increase of	0%	1%	8	5.9%	\$	52	\$ 7
Increase of	1%	2%	127	94.1%	\$	16,231	\$ 128
Increase of	2%	3%	0	0.0%	\$	-	
Increase of	3%	4%	0	0.0%	\$	-	
Increase of	4%	5%	0	0.0%	\$	-	
Increase of	5%	6%	0	0.0%	\$	-	
Increase of	6%	7%	0	0.0%	\$	-	
Increase of	7%	8%	0	0.0%	\$	-	
Increase of	8%	9%	0	0.0%	\$	-	
Increase of	9%	10%	0	0.0%	\$	-	
Increase of	10%	11%	0	0.0%	\$	-	
Increase of	11%	12%	0	0.0%	\$	-	
Increase of	12%	13%	0	0.0%	\$	-	
Increase of	13%	14%	0	0.0%	\$	-	
Increase of	14%	15%	0	0.0%	\$	-	
Increase of	15%	16%	0	0.0%	\$	-	
Increase of	16%	17%	0	0.0%	\$	-	
Increase of	17%	18%	0	0.0%	\$	-	
Increase of	18%	19%	0	0.0%	\$	-	
Increase of	19%	20%	0	0.0%	\$	-	
Increase of	20%	23%	0	0.0%	\$	-	
Increase of	23%	26%	0	0.0%	\$	-	
Increase of		>30%	0	0.0%	\$	-	
Totala	(annual i	impact)	135	100%	\$	16 202	\$ 121
TOLAIS	laiiiual	πρασι	133	100%	Ψ	16,283	φ 121

	S	C5 Custon	ner Bill Im	pact Analy	sis R	Y3	
			# cust	% of cust		\$ Impact	Impact/cust
Decrease of		<-10%	0	0.0%	\$	-	
Decrease of	-10%	-9%	0	0.0%	\$	-	
Decrease of	-9%	-8%	0	0.0%	\$	-	
Decrease of	-8%	-7%	0	0.0%	\$	-	
Decrease of	-7%	-6%	0	0.0%	\$	-	
Decrease of	-6%	-5%	0	0.0%	\$	-	
Decrease of	-5%	-4%	0	0.0%	\$	-	
Decrease of	-4%	-3%	0	0.0%	\$	-	
Decrease of	-3%	-2%	0	0.0%	\$	-	
Decrease of	-2%	-1%	0	0.0%	\$	-	
Decrease of	-1%	0%	0	0.0%	\$	-	
Increase of	0%	1%	5	83.3%	\$	646	\$ 129
Increase of	1%	2%	1	16.7%	\$	3,259	\$ 3,259
Increase of	2%	3%	0	0.0%	\$	-	
Increase of	3%	4%	0	0.0%	\$	-	
Increase of	4%	5%	0	0.0%	\$	-	
Increase of	5%	6%	0	0.0%	\$	-	
Increase of	6%	7%	0	0.0%	\$	-	
Increase of	7%	8%	0	0.0%	\$	-	
Increase of	8%	9%	0	0.0%	\$	-	
Increase of	9%	10%	0	0.0%	\$	-	
Increase of	10%	11%	0	0.0%	\$	-	
Increase of	11%	12%	0	0.0%	\$	-	
Increase of	12%	13%	0	0.0%	\$	-	
Increase of	13%	14%	0	0.0%	\$	-	
Increase of	14%	15%	0	0.0%	\$	-	
Increase of	15%	16%	0	0.0%	\$	-	
Increase of	16%	17%	0	0.0%	\$	-	
Increase of	17%	18%	0	0.0%	\$	-	
Increase of	18%	19%	0	0.0%	\$	-	
Increase of	19%	20%	0	0.0%	\$	-	
Increase of	20%	23%	0	0.0%	\$	-	
Increase of	23%	26%	0	0.0%	\$	-	
Increase of		>30%	0	0.0%	\$	-	
Totala	(annual i	impact)	6	100%	\$	3,905	\$ 651
iotais	laillingi	πρασι	0	100%	Ψ	3,903	φ 001

	50	6 Custor		pact Analy	SIS		
			# cust	% of cust		\$ Impact	Impact/cust
Decrease of		<-10%	0	0.0%	\$	-	
Decrease of	-10%	-9%	0	0.0%	\$	-	
Decrease of	-9%	-8%	0	0.0%	\$	_	
Decrease of	-8%	-7%	0	0.0%	\$	-	
Decrease of	-7%	-6%	0	0.0%	\$	-	
Decrease of	-6%	-5%	0	0.0%	\$	-	
Decrease of	-5%	-4%	0	0.0%	\$	-	
Decrease of	-4%	-3%	0	0.0%	\$	-	
Decrease of	-3%	-2%	0	0.0%	\$	-	
Decrease of	-2%	-1%	0	0.0%	\$	-	
Decrease of	-1%	0%	0	0.0%	\$	-	
Increase of	0%	1%	2	22.2%	\$	77	\$ 39
Increase of	1%	2%	7	77.8%	\$	361	\$ 52
Increase of	2%	3%	0	0.0%	\$	_	
Increase of	3%	4%	0	0.0%	\$	_	
Increase of	4%	5%	0	0.0%	\$	_	
Increase of	5%	6%	0	0.0%	\$	-	
Increase of	6%	7%	0	0.0%	\$	_	
Increase of	7%	8%	0	0.0%	\$	_	
Increase of	8%	9%	0	0.0%	\$	-	
Increase of	9%	10%	0	0.0%	\$	-	
Increase of	10%	11%	0	0.0%	\$	-	
Increase of	11%	12%	0	0.0%	\$	-	
Increase of	12%	13%	0	0.0%	\$	-	
Increase of	13%	14%	0	0.0%	\$	-	
Increase of	14%	15%	0	0.0%	\$	-	
Increase of	15%	16%	0	0.0%	\$	-	
Increase of	16%	17%	0	0.0%	\$	-	
Increase of	17%	18%	0	0.0%	\$	-	
Increase of	18%	19%	0	0.0%	\$	-	
Increase of	19%	20%	0	0.0%	\$	-	
Increase of	20%	23%	0	0.0%	\$	-	
Increase of	23%	26%	0	0.0%	\$	-	
Increase of		>30%	0	0.0%	\$	-	
Totala	(annual i	mnact)	9	100%	\$	438	\$ 49

#### **Customers with Price Exception's Total Bills Impacts RY3**

Price Exception Customer	Impact %	Impact \$
AMHERST CENTRAL SCHOOL DIST	1.23%	\$ 176
CHAUTAUQUA UTILITY DIST	1.36%	\$ 752
CITY OF BUFFALO	1.17%	\$ 113,906
CITY OF SCHENECTADY	1.02%	\$ 9,975
CITY OF SYRACUSE DPW	1.07%	\$ 46,536
CITY OF UTICA DPW	1.06%	\$ 18,438
MUSEUM OF SCIENCE & TEC	2.10%	\$ 31
TOWN OF AMHERST	1.10%	\$ 37,508
TOWN OF QUEENSBURY	1.08%	\$ 1,900
TOWN OF TONAWANDA	1.15%	\$ 25,661
VILLAGE OF KENMORE	1.40%	\$ 4,031
VILLAGE OF KINDERHOOK	1.17%	\$ 420
VILLAGE OF WILLIAMSVILLE	1.29%	\$ 1,155
		\$ 260,491

Illustrative Example of EAM (Earnings Adjustment Mechanism) Niagara Mohawk Power Corporation d/b/a National Grid

6	EAM \$/kWh/ kW	0.00059	0.00053	0.11	0.00	0.08	0.07	0.08	90.0	0.08	0.00024
∞	Forecast sales - kWh (Non- Demand)/ kW (Demand  EAM \$/	11,042,711,403 \$	614,715,129 \$	14,321,604 \$	11,350,978 \$	4,479,967 \$	1,747,419 \$	2,463,458 \$	3,204,773 \$	12,028,467 \$	186,554,529 \$
7	Ec Allocated EAM \$ 1	6,543,170	323,576	1,551,543	1,020,660	365,009	120,487	194,377	207,604	1,017,445	45,586
		<del>\$</del> \$	÷ <del>50</del>	<del>\$</del>	\$	8	\$	\$	<del>\$</del>	\$	<b>≈</b>
9	CP, NCP and Energy Allocated	1,742,136	93,002	484,122	388,246	144,155	28,005	80,963	53,008	238,656	15,768
_	1C	<b>↔ ↔</b>	· 69	<b>∽</b>	<del>∽</del>	<b>∽</b>	S	<del>∽</del>	<b>∽</b>	<b>∽</b>	<del>\$</del>
5 Earned EAM	Energy_ Allocated	3,776,302	166,976	705,980	298,815	92,135	51,361	38,867	60,784	421,067	29,361
Ea	71	<del>\$</del>	• •	\$	<del>∽</del>	<del>∽</del>	<del>\$</del>	<del>∽</del>	<b>↔</b>	<b>⇔</b>	€
4	ICP Allocated	1,024,733	63,598	361,441	333,598	128,719	41,121	74,547	93,812	357,722	456
3	MWh Sales - Allocation % 1C	66.25% \$	2.93% \$	12.39% \$	5.24% \$	1.62% \$	\$ %06.0	\$ %89.0	1.07% \$	7.39% \$	0.52% \$
7	i	51.14%	2.98%	17.17%	16.71%	6.34%	0.00%	3.70%	0.00%	0.00%	0.90%
1	ICP   NCP Primary   Allocation %   Allocation %	40.99%	2.54%	14.46%	13.34%	5.15%	1.64%	2.98%	3.75%	14.31%	0.02%
	Service Class	SC1 SCIC	SC2ND	SC2D	SC3Sec	SC3Pri	SC3Sub/Tran	SC3ASec/Pri	SC3ASub	SC3ATrans	$^{ m TS}$

<sup>\*</sup> Excludes SC12 (in accordance with their contract), EZR and EJP Load

11,500,000

\$ 2,500,000 \$ 5,700,000 \$ 3,300,000 \$

<sup>1</sup> Supported by Exhibit (E-RDP-3CU), Schedule 8D, Line 17 (1CP\_Primary)
2 Supported by Exhibit (E-RDP-3CU), Schedule 8D, Line 20 (NCP\_Primary)
3 Supported by Exhibit (E-RDP-3CU), Schedule 8D, Line 11 (MWh Sales)
4 Appendix 17, Section 1.5, Mid-point for 2018 for Peak Reduction allocated by Column 1
5 Appendix 17, Section 1.5, Mid-point for 2018 for Incremental EE, Residential and Commercial Energy Intensity and LED Street Lighting allocated by Column 3
6 Appendix 17, Section 1.5, Mid-point for 2018 for DER Utilization, Developer Satisfaction and Beneficial Electrification equally by Columns 1, 2 and 3.

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Appendix 2
Schedule 10.1
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Niagara Mohawk Power Company (Electric) dba National Grid Marginal Cost Study Marginal Cost Rates

									+			
	•						-	Y	rear 1			
Jui I	Poto Close	Marginal	Marginal	Total Annual	No. of	Proposed	rroposed Customer	Balance of	bWh Deliveries	Billod LW	Proposed	Proposed
		Demand Cost	Customer Cost	Cost	Customers	Charge	Charge Revenue	Marginal Cost	NAVII Deliveries	Dilleu h v	Cost Rates	Cost Rates
_	Residential	\$367,130,691	\$374,834,441	\$741,965,133	1,481,644	17.00	\$302,255,401	\$439,709,732	11,042,711,403			
7	Residential TOU	\$6,057,819	\$2,368,185	\$8,426,004	5,088	30.00	\$1,831,801	\$6,594,203	284,120,235			
3	Small General No Dem	\$9,770,312	\$47,489,255	\$57,259,567	114,107	21.02	\$28,782,392	\$28,477,175	614,715,129		\$0.04633	
4	Small General Demand	\$55,158,039	\$55,604,890	\$110,762,929	49,387	52.52	\$31,125,903	\$79,637,026	4,231,475,530	14,373,270		\$5.54
5	Large General-Sec	\$47,380,140	\$14,583,997	\$61,964,137	3,760	325.00	\$14,663,708	\$47,300,429	4,418,259,102	11,400,129		\$4.15
9	Large General-Pri	\$10,578,190	\$5,425,497	\$16,003,687	739	436.70	\$3,872,227	\$12,131,460	1,966,772,703	4,531,812		\$2.68
7	Large General-Tran	\$1,764,016	\$2,900,068	\$4,664,083	177	639.00	\$1,359,783	\$3,304,301	673,798,866	1,762,316		\$1.87
∞	Large General TOU-S/P	\$6,482,323	\$2,327,075	\$8,809,398	81	1,333.33	\$1,302,466	\$7,506,932	1,212,980,500	2,489,126		\$3.02
6	Large General TOU-U	\$7,657,488	\$3,511,494	\$11,168,982	89	1,744.00	\$1,416,151	\$9,752,831	1,611,724,028	3,247,109		\$3.00
10	Large General TOU-T	\$15,345,474	\$7,729,842	\$23,075,315	94	4,007.00	\$4,512,921	\$18,562,395	7,091,764,835	13,493,431		\$1.38
Ξ	Lighting	80		80	7,144	I	80	80	180,528,874			
12	Total - Excluding Lighting	\$527,324,491	\$516,774,743	\$1,044,099,235	1,662,290	11	\$391,122,752	\$652,976,483	33,328,851,205	51,297,193		
13												
14								Ye	Year 2			
15	Residential	\$367,130,691	\$374,834,441	\$741,965,133	1,485,903		\$303,124,177	\$438,840,956	11,042,711,403			
16	Residential TOU	\$6,057,819	\$2,368,185	\$8,426,004	4,826	30.00	\$1,737,422	\$6,688,582	284,120,235			
17	Small General No Dem	\$9,770,312	\$47,489,255	\$57,259,567	114,550	21.02	\$28,894,045	\$28,365,522	614,715,129		\$0.04614	
18	Small General Demand	\$55,158,039	\$55,604,890	\$110,762,929	49,525	52.52	\$31,212,495	\$79,550,434	4,231,475,530	14,373,270		\$5.53
19	Large General-Sec	\$47,380,140	\$14,583,997	\$61,964,137	3,776	390.00	\$17,671,006	\$44,293,131	4,418,259,102	11,400,129		\$3.89
70	Large General-Pri	\$10,578,190	\$5,425,497	\$16,003,687	742	436.70	\$3,888,805	\$12,114,882	1,966,772,703	4,531,812		\$2.67
21	Large General-Tran	\$1,764,016	\$2,900,068	\$4,664,083	178	712.00	\$1,521,178	\$3,142,905	673,798,866	1,762,316		\$1.78
22	Large General TOU-S/P	\$6,482,323	\$2,327,075	\$8,809,398	79	1,666.67	\$1,589,938	\$7,219,460	1,212,980,500	2,489,126		\$2.90
23	Large General TOU-U	\$7,657,488	\$3,511,494	\$11,168,982	99	2,088.00	\$1,650,178	\$9,518,804	1,611,724,028	3,247,109		\$2.93
77 7	Large General TOU-T	\$15,345,474	\$7,729,842	\$23,075,315	92	4,513.00	\$5,001,037	\$18,074,278	7,091,764,835	13,493,431		\$1.34
3	Lighting	0\$		0\$	0	I	0\$	0\$	180,528,874			
5 5	Total - Excluding Lighting	\$527,324,491	\$516,774,743	\$1,044,099,235	1,659,737		\$396,290,280	\$647,808,955	33,328,851,205	51,297,193		Ī
77					,			Ye	Year 3			
28	Residential	\$367,130,691	\$374,834,441	\$741,965,133	1,490,193		\$303,999,308	\$437,965,824	11,042,711,403			
67	Residential 100	\$6,057,819	\$2,368,185	\$8,426,004	4,5,4	30.00	\$1,646,638	\$6,779,366	284,120,235			
£ 3	Small General No Dem	\$9,770,312	\$47,489,255	\$57,259,567	115,027	$\frac{21.02}{25.52}$	\$29,014,522	\$28,245,045	614,715,129		\$0.04595	
31	Small General Demand	\$55,158,039	\$55,604,890	\$110,762,929	49,677	52.52	\$31,308,397	\$79,454,532	4,231,475,530	14,373,270		\$5.53
32	Large General-Sec	\$47,380,140	\$14,583,997	\$61,964,137	3,793	455.00	\$20,708,545	\$41,255,592	4,418,259,102	11,400,129		\$3.62
33	Large General-Pri	\$10,578,190	\$5,425,497	\$16,003,687	745	436.70	\$3,906,351	\$12,097,336	1,966,772,703	4,531,812		\$2.67
34	Large General-Tran	\$1,764,016	\$2,900,068	\$4,664,083	179	786.00	\$1,686,309	\$2,977,774	673,798,866	1,762,316		\$1.69
35	Large General TOU-S/P	\$6,482,323	\$2,327,075	\$8,809,398	78	2,000.00	\$1,863,633	\$6,945,765	1,212,980,500	2,489,126		\$2.79
36	Large General TOU-U	\$7,657,488	\$3,511,494	\$11,168,982	64	2,432.00	\$1,870,976	\$9,298,006	1,611,724,028	3,247,109		\$2.86
37	Large General TOU-T	\$15,345,474	\$7,729,842	\$23,075,315	91	5,020.00	\$5,474,930	\$17,600,386	7,091,764,835	13,493,431		\$1.30
28	Lighting	0\$		0\$	0	1	\$0	08	180,528,874	00,100		
39	l otal - Excluding Lighting \$527,324,491	\$527,324,491	\$516,774,743	\$1,044,099,235	1,664,421		\$401,479,609	\$642,619,626	33,328,851,205	51,797,193		

## Niagara Mohawk Power Corporation d/b/a National Grid Development of Excelsior Jobs Program (EJP) Rates

	(1)	(2)	(3)	(4)	(2)	(9)	(7)	(8)	(6)
Service Classification	Rate (per kw/kWh)	Rate Year 3 Proposed Pro	posed YR3 Standard Delivery Rate	Prop Phase in	oosed EJP Rates Prop - RY1	Proposed EJP Rates Proposed EJP Rates Proposed EJP Rates - RY4 - RY4 - RY4 - RY4	osed EJP Rates Prop - RY3	osed EJP Rates - RY4	Proposed EJP Rates - RY5
Q.	\$0.00325	\$0.04595	\$0.06627	Yes	\$0.01179	\$0.02033	\$0.02887	\$0.03741	\$0.04595
SC2D	\$4.67	\$5.53	\$12.36	Yes	\$4.84	\$5.01	\$5.18	\$5.36	\$5.53
Sec	\$3.74	\$3.62	\$11.09	Yes	\$3.72	\$3.69	\$3.67	\$3.64	\$3.62
Pri	\$2.16	\$2.67	\$9.79	Yes	\$2.26	\$2.36	\$2.47	\$2.57	\$2.67
dus A	\$2.51	\$2.86	\$3.66	Yes	\$2.58	\$2.65	\$2.72	\$2.79	\$2.86
					(10)	(11)	(12)		
C3 Sub/Trans	\$2.00		\$2.96	N	\$1.87	\$1.78	\$1.69		
SC3A Sec/Pri	\$4.08		\$10.66	N	\$3.02	\$2.90	\$2.79		
C3ATRA	\$1.70		\$3.36	No	\$1.38	\$1.34	\$1.30		

**Current EJP Rates** 

Year 3 Proposed Marginal Rates per Joint Proposal Appendix 2, Schedule 10.1

Year 3 Proposed Delivery Rates

(1) (2) (3) (4)

If Column (2) is greater than Column (1) and lesser than Column (3), than phase in for five year period;

If Column (2) is lower than Column (1), no phase in required, with the exception of SC3 SEC, which will be phased down to RY3 marginal rates

Five year Phased in EJP Rates (2)-(3)

RY1-RY3 Rates per Appendix 2, Schedule 10.1 for classes with no phase in. (10)-(12)

# Development of Economic Development Zone Program (EZR) Rates Niagara Mohawk Power Corporation d/b/a National Grid

(6)

Z 2

95

	(1)	(2)	(3)	(2)	(9)	(7)	(8)	6)
	Current EZR	Rate	Rate Year 3 Proposed Proposed YR3 Standard					•
Service	Rate (per		Marginal Rate for Delivery Rate (SC2ND	Proposed SC2ND EZR Proposed SC2ND Proposed SC2ND Proposed SC2ND	Proposed SC2ND	Proposed SC2ND	Proposed SC2ND	Proposed SC2N
Classification	kw/kWh)	SC2ND	Only)	Rate - RY 1	EZR Rate - RY 2	EZR Rate - RY 3	EZR Rate - RY 4	EZR Rate - RY
SC2ND (Phase In)	\$0.00325	\$0.04595	\$0.06627	\$0.01179	\$0.02033	\$0.02887	\$0.03741	\$0.0459
		(10)	(11)	(12)				
	Current EZR	Rate Year 1 Proposed	Rate Year 2 Proposed	Rate Year 3 Proposed				
	Rate (per kW)	EZR Rates	EZR Rates	EZR Rates				
SC2D	\$4.67		\$5.53	\$5.53				
SC3 Sec	\$3.74		\$3.89	\$3.62				
SC3 Pri	\$2.16		\$2.67	\$2.67				
SC3 Sub/Trans	\$2.00	\$1.87	\$1.78	\$1.69				
SC3A Sec/Pri	\$4.08		\$2.90	\$2.79				
SC3A Sub	\$2.51		\$2.93	\$2.86				
SC3ATRA	\$1.70		\$1.34	\$1.30				

**Current SC2ND EZR Rates** 

Year 3 Proposed Marginal Rates per Joint Proposal Appendix 2, Schedule 10.1

Year 3 Proposed SC2ND Delivery Rates

Proposed SC2ND EZR Rates for Rate Years 1 - 5 based on Five Year Phase In to RY 3 Marginal Cost Rate (1) (2) (2) (3) (5)-(9) H (10) - (12) H

Proposed EZR Rates for Years 1 - 3 based on Proposed Marginal Rates per Joint Proposal Appendix 2, Schedule 10.1

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Line	e Description	Source	Total	Resid-ential	Resid. TOU	Small Gen No Dem	Small Gen Demand	Large Gen   Sec	Small Gen Small Gen Large Gen Large Gen Lage Gen No Dem Demand Sec Pri Tran TOU-S/P	arge Gen Tran	Lge Gen TOU-S/P	Lge Gen TOU- SubT	Lge Gen TOU- Tran	Lighting
1	Allocator- 1CP-No NYPA	Exh. RDP-3, Sch. 9A, line 7, NYPA removed	5,460	2,481	49	154	865	9//	288	92	141	191	422	1
2	Allocator- NCP-Pri-No NYPA	Exh. RDP-3, Sch. 9A, line 8, NYPA removed	5,252	2,743	57	160	911	862	314	1	157	•	•	48
33	Allocator- MWh-No NYPA	Exh. RDP-3, Sch. 9A, line 2, NYPA removed	28,299,094	10,892,459	282,689	612,682	4,198,661	4,253,400 1,779,012	1,779,012	545,883	937,184	937,184 1,378,962	3,237,633	180,529
4														
5	% 1CP-No NYPA	% of Total, Line 1	100.00%	45.43%	0.90%	2.82%	15.85%	14.22%	5.27%	1.68%	2.57%	3.50%	7.73%	0.02%
9	% NCP-Pri-No NYPA	% of Total, Line 2	100.00%	52.23%	1.09%	3.05%	17.34%	16.41%	5.98%	0.00%	2.98%	0.00%	0.00%	0.91%
7	% MWh-No NYPA	% of Total, Line 3	100.00%	38.49%	1.00%	2.17%	14.84%	15.03%	6.29%	1.93%	3.31%	4.87%	11.44%	0.64%
∞														
6	Weighted 1CP-No NYPA	Line 5 X Line 25		5.26%	0.10%	0.33%	1.84%	1.65%	0.61%	0.19%	0.30%	0.41%	%06.0	%00.0
10	Weighted NCP-Pri-No NYPA Line 6 X Line 26	Line 6 X Line 26		4.65%	0.10%	0.27%	1.54%	1.46%	0.53%	%00.0	0.27%	0.00%	%00.0	%80.0
Ξ	11 Weighted MWh-No NYPA	Line 7 X Line 27		30.61%	0.79%	1.72%	11.80%	11.95%	5.00%	1.53%	2.63%	3.87%	9.10%	0.51%
12			100.00%	40.52%	1.00%	2.32%	15.18%	15.06%	6.14%	1.73%	3.20%	4.28%	%66.6	0.59%
13														
14	14 Allocation of ETIP (\$000s)		\$51,154	\$20,726	\$209	\$1,186	\$7,764	\$7,704	\$3,141	\$884	\$1,636	\$2,190	\$5,112	\$302
15														

16	Avoided Costs (\$000S)	Total	2017	2018	2019	2020	2020 Allocation Basis
17	Generation Capacity	\$55,038	\$19,235	\$21,422	\$6,786		1CP_Trans
18	Transmission Capacity	8,390	•	1	4,112	4,278	1CP_Trans
19	19 Distribution Capacity	48,769	6,731	7,355	16,998	17,685	17,685 NCP_Pri
20	20 Energy	365,462	112,670	131,834	58,114	62,843	Energy
21	CO2	70,149	•	•	34,388	35,762 Energy	Energy
22	TOTAL	\$547,808	\$138,636		\$160,612 \$120,398	\$128,162	
23							
24	Allocator	Total	%				
25	1CP_Trans	\$63,428	11.58%				
26	NCP_Pri	48,769	8.90%				
27	Energy	435,611	79.52%				
28		\$547,808	100.00%				

Illustrative Allocation of Avoided Capacity and Ancillary Service Costs from Legacy and SC-6 Contracts to Legacy Transistion Charge (LTC)	Service Costs from e (LTC)		LTC Workpaper Filed Monthly	Case 17-E-0238 Appendix 2 Schedule 12 Page 1 of 1
Description 1 Legacy Contracts Energy MWh	Forecast April 2018 150,000	Actual April 2018 180,000	Legacy Transition Charge Rule 46.2 (exclusive of the Rule 46.2.6 NVPA Benefit)	
2 Legacy Contracts Rate \$/MWh	\$70.00	\$68.00		
3 Legacy Contracts Costs (\$) (Line 1 x Line 2)	\$10,500,000	\$10,880,000	April 2018	June 2018
4 Market Energy Rate \$/MWh (Zone C) 5 Market Capacity Rate \$/kw-mo 6 Market Ancillary Rate \$/MWh	\$20.00 \$0.30 \$2.40	\$22.00 \$0.20 \$2.30	Forecast Net Market Value (OMVC) of Legacy Hedges     Scheduled Nine Mile 2 RSA Credit     Scheduled Nine Mile 2 RSA Credit	\$ 4,730,000.00
7 Legacy Contracts Capacity (MW)	135	135	Actual Net Market Value (OMVC) of Legacy Hedges	
8 Legacy Contract Energy Market Value (\$) ( Line 1 x Line 4) 9 Legacy Contract Capacity Market Value (\$) (Line 5 x Line 7 x 1000) 10 Legacy Contract Ancillary Market Value (\$) (Line 1 x Line 6)	\$3,000,000 \$40,500 \$360,000	\$3,520,000 \$27,000 \$368,000 NEW	4 Nme bli e. ReA Credit 5 700,000,001 6 Intended Billing (Line 3 + Line 4 + Line 5) 8 6,707,260,00	
11 Legacy Contracts Total Market Value (\$) (Line 8 + Line 9 + Line 10)	\$3,400,500	\$3,915,000	7 Legacy Transition Charge Billed Revenue	
12 SC-6 Contracts Avoided Capacity(MM) 13 SC-6 Contracts Avoided Ancillary (MMh)	N/A N/A	1.5 NEW 25,000 NEW	Reconciliation of Billgat Revenue (Line 6 - Line 7)	\$ (292,800.00)
14 SC-6 Contracts Avoided Capacity Costs (\$) (Line 5 x Line 12 x 1000) 15 SC-6 Contracts Avoided Ancillary Costs (\$) (Line 6 x Line 13) 16 SC-6 Contracts Avoided Cap \( \text{Ance Marker Value (\$)} \) (Line 44-Line 15)	\$0 \$0 \$0	\$300 NEW \$57,500 NEW \$57,800 NEW	9 Legacy-fransition Charge for December 2017 Billing (Line 1+ Line 4- Kine 8) 5 4	\$ 4,437,200.00
17 Net Market Value (OMVC) (\$) (Line 3 - Line 11- Line 16)	009'660'2\$	\$6,907,200	Rate Calculation 3	Billing Month June 2018
Description	Forecast June 2018		h (kWh)	2,400,000,000
18 Legacy Contracts MWh	110,000		11 Legacy Transition Charge (Lyc 9/ Line 10) \$	0.001849
19 Legacy Contract Kate \$/lwwn 20 Legacy Contract Costs (\$) (Line 18 x Line 19)	00.00\$			
21 Market Energy Rate \$/MWh (Zone C) 22 Market Capacity Rate \$/kw-mo 23 Market Ancillary Rate \$/MWh	\$23.00 \$1.80 \$2.20			
24 Legacy Contracts Capacity (MW)	110			
25 Legacy Contract Energy Market Value (\$) (Line 18 x Line 21) 26 Legacy Contract Capacity Market Value (\$) (Line 22 x Line 24 x 1000) 27 Legacy Contract Ancillary Market Value (\$) (Line 18 x Line 23) 28 Legacy Contracts Total Market Value (\$) (Line 25 + Line 27)	\$2,530,000 \$198,000 <b>\$242,000</b> 2,970,000	NEW		
29 SC-6 Contracts Avoided Capacity(MM) 30 SC-6 Contracts Avoided Ancillary (MMh)	N/A N/A	NEW NEW		
31 SC-6 Contracts Avoided Capacity Costs (\$) (Line 22 x Line 29 x 1000) 32 SC-6 Contracts Avoided Anaillay Costs (\$) (Line 23 x Line 30 x 1000) 33 SC-6 Contracts Avoided Cap / Anc Market Value (\$) (Line 31+Line 32) 34 Forecast Net Market Value (OMVC) (\$) (Line 20-Line 28)	08 08 08 08 08 4,730,000	NEW NEW NEW		

### The Group Method for Allocation of NYISO Weather Normalization as Applied to ICAP Tag Development

The System Peak Factor reconciles the sum of calculated class coincident peaks to the NYISO forecast peak for the capability period. The System Peak Factor is one component of the ICAP tag development that the Company performs annually. Components of the System Peak Factor include load growth, losses, and weather normalization.

Weather normalization is currently allocated by the Company to all service classes in equal proportions based on their coincident peak load. To address the concern that all service classes are not equally weather sensitive and, therefore, should not receive an equal share of the weather normalization quantity as happens in the current process, the Company will revise the methodology to calculate the System Peak Factor and use the Group Method.

The Group Method assigns the service classes into one of three groups depending upon their level of weather sensitivity as a class. The groups for this purpose were determined by weather sensitivity analyses of historical class peak loads and are defined as follows:

Group 1	Most weather sensitive	SC-1
		SC-1C
		SC-2 non-demand
		SC-2 Demand
		SC3A secondary
Group 2	Moderate weather sensitive	SC-3 secondary
		SC-3 primary
		SC-3 MHP secondary
		SC-3 MHP primary
		SC-3 MHP sub-transmission
Group 3	Least weather sensitive	SC-3 sub-transmission
		SC-3 transmission
		SC-3 MHP transmission
		SC-3A primary
		SC-3A sub-transmission
		SC-3A transmission

MHP indicates customers billed hourly for commodity, whether mandatory or voluntary hourly priced customer. All SC-3A customers are also hourly priced customers.

In the Group Method, allocation of the weather normalization quantities will vary among the Groups. Weather normalization quantities up to an amount equal to 1% of Corporate Load in

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the coincident NYISO annual peak hour will be allocated proportionally among all rate classes (Groups 1, 2 and 3). Normalization quantities between 1-3% of Corporate Load in the NYISO Annual Peak hour will be proportionally allocated to Groups 1 & 2. Normalization quantities above 3% of Corporate Load in the coincident NYISO annual peak hour will be shared proportionally only among Group 1.

The Group Method will be deployed for the development of ICAP tags effective with the May 1, 2018 capability period. The Group Method defined above will continue to be used until such time that a service class's weather sensitivity is demonstrably different from the historic period analyzed above.

### APPENDIX 3

Niagara Mohawk Power Corporation d/b/a National Grid Forecast Gas Revenue Exhibit FY2019

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Appendix 3
Schedule 1.1
Page 1 of 3

\$565,397,571

\$379,241,183 \$178,173,590 \$7,982,798

621,687 1,767,792,375 \$348,420,382 \$11,971,456 \$4,182,140 \$10,458,439 (\$1,150,000) \$5,358,766

\$589,376

Other Misc. Fees (Reconnection Charge) POR MFC (Credit & Collections Revenues)

Revenue Total

\$12,011

\$67,758 \$589,376

\$67,758

			1	2	3	4	2	9	7	8	6	10
Class Name	Customers	Billed Therms	Base Delivery Revenue	Merchant Function Charge Revenue	CEF Revenue	EES Revenue	EZR/EJP Credit	Other Misc Revenue /Credits	Total Delivery Revenue (Sum of 1 to 6)	Commodity Revenue	Gross Revenue Taxes	Revenue (7+8+9)
900 Books Mon Hoat	0.00	30 4 04 4 7	47 422 204	8402 746	200	940	ç	G	67 500 100	177 077 18	000000000000000000000000000000000000000	000 000
SOL Residential Non-read	20,043	4,440,423	102,22,201	\$103,740	#00,010 001001	940,040	0	0 6	970,737,000	41,414,147	040,000	49,404,439
SCI Kesidential Heat	456,607	434,566,095	\$192,501,7/3	\$10,179,306	\$1,598,562	43,997,586	0.4	0#	\$208,277,226	4138,885,657	\$5,916,221	\$353,079,104
SC1 MB Kesidential Non-Heat	2,934	529,638	\$500,815	0, 6	\$1,948	\$4,872	0\$	0.9	\$867,635	0\$	\$21,903	\$889,539 640,466,547
OCT IND Residential near	001,00	90,77,704	020, 188, 104	O¢	#1 B'CCCC	100,0000	00	00	929, 100,470	O#	44,000,141	440,133,217
Total SC1	573,513	530,309,942	\$238,792,314	\$10,283,052	\$1,950,758	\$4,878,336	O\$	80	\$255,904,460	\$140,298,404	\$7,125,254	\$403,328,118
SC2 Residential Non Heat	<u>+</u>	14,042	\$35,787	\$128	\$52	\$129	\$0	\$0	\$36,096	\$4,417	\$932	\$41,445
SC2 Residential Heat	1,494	2,008,204	\$927,700	\$18,393	\$7,387	\$18,474	\$0	80	\$971,954	\$635,297	\$27,548	\$1,634,799
SC2 Commercial Non Heat	1.271	3,342,220	\$1.003.766	\$30,498	\$12.294	\$30.745	(\$6.624)	0\$	\$1.070.679	\$1,047,803	\$10,042	\$2.128.524
SC2 Commercial Heat	27.550	103.481.352	\$28.686.059	\$947,185	\$380.659	\$951.928	(\$171.582)	0\$	\$30.794.248	\$32,688,929	\$300.910	\$63.784.088
SC2 Industrial	2201.7	1.465.234	\$261.930	\$13.410	\$5.390	\$13.479	(\$2.502)	0\$	\$291.705	\$462.687	\$3.576	\$757.968
SC2 MB Residential Non Heat	. 6	2.496	\$4.288	0\$	68	\$23	(i.e.i.)	0\$	\$4.320	OS	\$109	\$4.429
SC2 MB Residential Heat	307	1.025.141	\$320,450	0\$	\$3.771	\$9.430	9	0\$	\$333,651	OS	\$8,423	\$342.074
SC2 MB Commercial Non Heat	723	3,004,721	\$843,587	0\$	\$11,053	\$27,641	(\$5,755)	0\$	\$876,525	0\$	\$4,155	\$880,680
SC2 MB Commercial Heat	15,550	100,586,592	\$23,975,414	80	\$370,010	\$925,299	(\$168,856)	80	\$25,101,867	\$	\$118,983	\$25,220,850
SC2 MB Industrial	72	1,308,788	\$227,750	\$0	\$4,814	\$12,040	(\$2,195)	0\$	\$242,410	0\$	\$1,149	\$243,559
Total SC2	47,166	216,238,792	\$56,286,729	\$1,009,613	\$795,440	\$1,989,187	(\$357,514)	0\$	\$59,723,455	\$34,839,133	\$475,826	\$95,038,415
SC3 Commercial Non Heat	,	,	80	\$	0\$	8	0\$	\$0	\$0	\$0	80	\$
SC3 Commercial Heat	8	7,876,391	\$943,680	\$70,573	\$28,973	\$72,455	8	\$0	\$1,115,681	\$2,358,495	\$16,468	\$3,490,644
SC3 Industrial	80	2,093,699	\$240,926	\$18,692	\$7,702	\$19,260	\$0	80	\$286,581	\$621,254	\$4,303	\$912,138
Total SC3	42	680'026'6	\$1,184,606	\$89,265	\$36,675	\$91,715	0\$	0\$	\$1,402,261	\$2,979,749	\$20,771	\$4,402,782
SC5 Firm Gas Transportation	158	80,150,830	\$6,148,805	\$0	\$294,837	\$737,310	(\$165,889)	\$0	\$7,015,062	80	\$33,251	\$7,048,313
SCS Internutible	15	47 027 611	\$2 503 905	· ¥	G.	Ç	) <b>9</b>	· \$	\$2 503 905	· \$	\$11,869	\$2 515 774
SC7 Small Volume Firm Transportation	704	64 251 101	\$9.079.229	9	\$236.349	\$591.048	(\$111.204)	0\$	\$9 795 421	G 6	\$46 430	\$9 841 852
SC8 Transportation Service with Standby Sales Service	09	235,986,242	\$16,218,423	0\$	\$868,081	\$2,170,844	(\$515,392)	0\$	\$18,741,955	0\$	\$88,837	\$18,830,792
SC9 Negotiated Transportation Service	5	82,442,596	\$3,864,072	\$0	\$0	\$0	\$0	\$0	\$3,864,072	\$0	\$61,496	\$3,925,568
NYSEG Transportation	_	2,879,234	\$286,169	\$0	\$0	\$0	\$0	\$0	\$286,169	\$0	\$1,356	\$287,525
SC10 Natural Gas Vehicles	2	161,609	\$98,420	\$0	\$0	\$0	\$0	\$0	\$98,420	\$51,261	\$209	\$150,391
SC11 Load Aggregation Service		•	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0\$	\$0	\$0
SC12 Distributed Generation (<250K)	~	14,208	\$2,580	\$118	\$0	0\$	0\$	\$0	\$2,698	\$3,881	\$31	\$6,610
SC12 Distributed Generation (250K to 1000K)			0\$	0\$	0\$	0\$	0\$	0\$	0\$	0\$	0\$	0\$
SC12 Distributed Generation (1M to 2.5M)			0 0	0\$	O# 6	0, 0	O	0\$	0\$	0	0 9	O\$ G
SC 12 Distributed Generation (>2.3W)	, r	3618	\$1 129	\$32	Q# G	0	O# 6	0\$	\$1 161	\$1 161	\$35	\$2.357
SC12 MB Distributed Generation (<250K)	· -	49.098	\$4,488	0\$	0\$	9	0\$	0\$	\$4.488	0\$	\$21	\$4,509
SC12 MB Distributed Generation (250K to 1000K)	7	548,348	\$66,902	0\$	0\$	0\$	0\$	0\$	\$66,902	0\$	\$317	\$67,219
SC12 MB Distributed Generation (1M to 2.5M)	က	4,662,867	\$268,408	0\$	\$	0\$	\$	\$0	\$268,408	0\$	\$1,272	\$269,680
SC12 MB Distributed Generation (>2.5M)	2	9,007,366	\$525,911	\$0	\$0	\$0	\$0	\$0	\$525,911	\$0	\$2,493	\$528,404
SC13 MB Residential Distributed Generation	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total SC5 - SC13	962	527,184,727	\$39,068,439	\$150	\$1,399,267	\$3,499,201	(\$792,486)	0\$	\$43,174,572	\$56,304	\$248,118	\$43,478,993
SC14 Dual Fuel Electric Generators	S	484,088,825	\$13,088,293	\$0	\$0	0\$	\$0	\$0	\$13,088,293	0\$	\$62,039	\$13,150,331
Consolidated Billing Credits								(\$919,365)	(\$919,365)	80	0\$	(\$919,365)
Revenue Subtotal	621,687	1,767,792,375	\$348,420,382	\$11,382,080	\$4,182,140	\$10,458,439	(\$1,150,000)	(\$919,365)	\$372,373,676	\$178,173,590	\$7,932,008	\$558,479,274
Late Pavment Charges								\$2,600,717	\$2.600.717		\$38.779	\$2,639,496
One Bill Billing Fees								\$919,365	\$919,365		2	\$919,365
Supervision & Admin Allocated to Gas								\$1.845.239	\$1.845.239			\$1.845.239
Supervision & Aumilia Allocared to Gas Misc. 3rd Party Billings								\$838,438	\$838,438			\$838,438
Revenues from Affiliates								\$6,615	\$6,615			\$6,615
												1

Niagara Mohawk Power Corporation d/b/a National Grid Forecast Gas Revenue Exhibit FY2020

Case 17-G-0239 Appendix 3 Schedule 1.1 Page 2 of 3

\$564,711,749

\$382,125,494 \$174,573,560 \$8,012,695

626,708 1,781,925,833 \$351,101,258 \$11,756,329 \$4,220,610 \$10,554,644 (\$935,000) \$5,427,653

			-	c	c	•	и	9	٢	o	•	ç
Class Name	Customers	Billed Therms	Base Delivery Revenue	Merchant Function Charge Revenue	CEF Revenue	EES Revenue	EZR/EJP Credit	Other Misc Revenue /Credits	Total Delivery Revenue (Sum of 1 to 6)	Commodity Revenue	Gross Revenue Taxes	Revenue (7+8+9)
SC1 Residential Non Hear	26.243	4 483 714	\$7 540 655	\$101 271	\$16.493	\$41.246	O\$	0\$	87 699 666	\$1.371.969	\$200.879	\$9 272 514
SC1 Residential Heat	466.316	442.078.609	\$196.365.108	\$10.021.738	\$1.626.197	\$4.066.693	G	0\$	\$212.079.736	\$136.156.828	\$5.999.280	\$354.235.844
SC1 MB Residential Non-Heat	2.510	449.572	\$731,336	80	\$1.654	\$4,136	0\$	0\$	\$737,125	0\$	\$18,609	\$755,734
SC1 MB Residential Heat	83,194	85,626,446	\$35,867,751	0\$	\$314,979	\$787,680	0\$	\$0\$	\$36,970,410	0\$	\$933,308	\$37,903,718
Total SC1	578,263	532,638,342	\$240,504,849	\$10,123,010	\$1,959,323	\$4,899,755	\$0	\$0	\$257,486,937	\$137,528,797	\$7,152,076	\$402,167,810
SC2 Residential Non Heat	118	14 638	\$37.968	\$128	\$54	\$135	Ç	O\$	\$38.284	\$4 422	28987	843 694
SC2 Residential Heat	1.573	2.104.739	\$974.667	\$18,460	\$7.742	\$19.362	0\$	0\$	\$1.020.231	\$641,215	\$28.795	\$1.690.241
SC2 Commercial Non Heat	1,226	3,267,147	\$974,921	\$28,505	\$12,018	\$30,055	(\$5,221)	\$ 0\$	\$1,040,278	\$982,307	\$9,587	\$2,032,172
SC2 Commercial Heat	27,769	105,370,981	\$29,092,812	\$923,451	\$387,610	\$969,311	(\$140,555)	\$0	\$31,232,629	\$32,036,897	\$299,898	\$63,569,423
SC2 Industrial	78	1,515,830	\$269,923	\$13,278	\$5,576	\$13,944	(\$2,097)	\$0	\$300,624	\$460,320	\$3,607	\$764,550
SC2 MB Residential Non Heat	#	2,154	\$3,756	\$0	\$8	\$20	\$0	\$0	\$3,783	\$0	96\$	\$3,879
SC2 MB Residential Heat	308	1,026,857	\$321,382	\$0	\$3,777	\$9,446	\$0	\$0	\$334,606	\$0	\$8,447	\$343,053
SC2 MB Commercial Non Heat	730	3,071,342	\$858,427	\$0	\$11,298	\$28,253	(\$4,708)	\$0	\$893,271	0\$	\$4,234	\$897,505
SC2 MB Commercial Heat	15,550	101,568,369	\$24,128,626	\$0	\$373,622	\$934,330	(\$137,041)	\$0	\$25,299,537	\$0	\$119,920	\$25,419,456
SC2 MB Industrial	72	1,325,397	\$230,315	\$0	\$4,876	\$12,192	(\$1,786)	\$0	\$245,597	\$0	\$1,164	\$246,761
Total SC2	47,435	219,267,454	\$56,892,797	\$983,822	\$806,581	\$2,017,047	(\$291,409)	\$0	\$60,408,839	\$34,125,161	\$476,734	\$95,010,734
SC3 Commercial Non Heat	,	ı	0\$	\$0	\$0	0\$	0\$	\$0	\$0	\$	\$	0\$
SC3 Commercial Heat	32	7,813,909	\$926,607	\$66,951	\$28,744	\$71,880	\$0	\$0	\$1,094,182	\$2,244,614	\$15,826	\$3,354,623
SC3 Industrial	8	2,188,696	\$253,048	\$18,643	\$8,051	\$20,134	\$0	\$0	\$299,876	\$619,273	\$4,357	\$923,505
Total SC3	40	10,002,605	\$1,179,655	\$85,594	\$36,795	\$92,014	0\$	0\$	\$1,394,058	\$2,863,887	\$20,183	\$4,278,128
SC5 Firm Gas Transportation	158	81,034,431	\$6,205,795	\$0	\$298,087	\$745,438	(\$134,403)	\$0	\$7,114,918	0\$	\$33,725	\$7,148,643
SC6 Interruptible	15	47,545,545	\$2,530,339	\$0	\$0	\$0	\$0	\$0	\$2,530,339	\$0	\$11,994	\$2,542,333
SC7 Small Volume Firm Transporation	707	65,450,783	\$9,220,958	\$0	\$240,762	\$602,084	(\$91,037)	\$0	\$9,972,767	\$0	\$47,271	\$10,020,038
SC8 Transportation Service with Standby Sales Service	09	238,971,499	\$16,391,428	\$0	\$879,062	\$2,198,305	(\$418,152)	\$0	\$19,050,645	\$0	\$90,300	\$19,140,945
SC9 Negotiated Transportation Service	2	82,675,716	\$3,931,379	\$0	\$0	\$0	\$0	\$0	\$3,931,379	\$0	\$62,567	\$3,993,946
NYSEG Transportation	~	2,941,111	\$288,166	\$0	\$0	\$0	\$0	\$0	\$288,166	\$0	\$1,366	\$289,532
SC10 Natural Gas Vehicles	2	165,693	\$100,907	\$0	\$0	\$0	\$0	\$0	\$100,907	\$50,421	\$717	\$152,046
SC11 Load Aggregation Service			\$0	\$0	\$0	\$0	\$0	\$0	0\$	\$0	\$0	0\$
SC12 Distributed Generation (<250K)	-	16,111	\$2,690	\$131	0\$	0\$	0\$	\$0	\$2,820	\$4,178	\$33	\$7,031
SC12 Distributed Generation (250K to 1000K)			0\$	0\$	0\$	O\$ \$	0\$	0\$	0\$	0\$	0\$	0,000
SC12 Distributed Generation (>2.5M)			04	0.4	0 4	04	04 95	04 G	0.9	Q# Q#	O# 05	0.0
SC13 Residential Distributed Generation	8	3,607	\$1,129	\$31	0\$	\$0	\$0	\$0\$	\$1,160	\$1,116	\$35	\$2,311
SC12 MB Distributed Generation (<250K)	~	55,886	\$4,869	\$0	\$0	\$0	\$0	\$0	\$4,869	\$0	\$23	\$4,892
SC12 MB Distributed Generation (250K to 1000K)	7	621,305	\$70,688	\$0	\$0	\$0	\$0	\$0	\$70,688	\$0	\$335	\$71,023
SC12 MB Distributed Generation (1M to 2.5M)	3	4,895,704	\$279,545	\$0	\$0	\$0	\$0	\$0	\$279,545	0\$	\$1,325	\$280,870
SC12 MB Distributed Generation (>2.5M)	2	9,007,366	\$525,911	\$0	0\$	\$0	\$0	\$0	\$525,911	0\$	\$2,493	\$528,404
SC13 MB Residential Distributed Generation			0\$	0\$	0\$	0\$	0\$	\$0	0\$	0\$	0\$	0\$
lotal SC5 - SC13	696	533,384,758	\$39,553,806	\$162	\$1,417,912	\$3,545,827	(\$643,591)	<b>0</b>	\$43,874,116	\$55,715	\$252,183	\$44,182,014
SC14 Dual Fuel Electric Generators	S)	486,632,675	\$12,970,150	\$0	\$0	0\$	0\$	\$0	\$12,970,150	0\$	\$61,479	\$13,031,629
Consolidated Billing Credits								(\$919,365)	(\$919,365)	\$0	0\$	(\$919,365)
Revenue Subtotal	626,708	1,781,925,833	\$351,101,258	\$11,192,588	\$4,220,610	\$10,554,644	(\$935,000)	(\$919,365)	\$375,214,735	\$174,573,560	\$7,962,654	\$557,750,949
Late Payment Charges One Bill Billing Fees								\$2,599,861 \$919,365	\$2,599,861		\$38,714	\$2,638,575 \$919,365
Supervision & Admin Allocated to Gas								\$1,893,192	\$1,893,192			\$1,893,192
wisc. or draft billings Revenues from Affiliates								\$6,615	\$6,615			\$6,615
Other Misc. Fees (Reconnection Charge)								\$67,758	\$67,758			\$67,758
POR MFC (Credit & Collections Revenues)				\$563,741					\$563,741		\$11,326	\$575,068

Niagara Mohawk Power Corporation d/b/a National Grid Forecast Gas Revenue Exhibit FY2021

				2	en	4	22	9	7	80	6	10
Class Name	Customers	Billed Therms	Base Delivery Revenue	Merchant Function Charge Revenue	CEF Revenue	EES Revenue	EZR/EJP Credit	Other Misc Revenue /Credits	Total Delivery Revenue (Sum of 1 to 6)	Commodity Revenue	ss nue ss	Revenue (7+8+9)
SC1 Besidential Non Heat	26.005	4 448 622	\$7 405 20B	\$100 721	416 364	\$40.923	Ç	<b>U</b> #	\$7 653 304	\$1.354.135	\$100.624	\$9.207
SC1 Residential Heat	477,648	452,049,114	\$200,959,330	\$10,273,566	\$1,662,873	\$4,158,412	\$ <b>\$</b>	0\$	\$217,054,182	\$138,531,471	\$6,136,114	\$361,721,767
SC1 MB Residential Non-Heat	2,067	369,559	\$601,983	\$0	\$1,359	\$3,400	\$0	\$0	\$606,742	\$0	\$15,317	\$622,059
SC1 MB Residential Heat	76,821	79,081,086	\$33,115,245	\$0	\$290,902	\$727,469	\$0	\$0	\$34,133,616	\$0	\$861,694	\$34,995,310
Total SC1	582,631	535,948,381	\$242,171,853	\$10,374,287	\$1,971,499	\$4,930,204	0\$	0\$	\$259,447,844	\$139,885,606	\$7,212,750	\$406,546,199
SC2 Residential Non Heat	115	14.434	\$36,952	\$128	\$53	\$133	\$0	\$0	\$37.266	\$4.341	\$961	\$42.568
SC2 Residential Heat	1,574	2,105,195	\$975,019	\$18,740	\$7,744	\$19,366	80	\$0	\$1,020,869	\$638,165	\$28,796	\$1,687,830
SC2 Commercial Non Heat	1,177	3,155,218	\$939,152	\$27,929	\$11,607	\$29,025	(\$4,082)	\$0	\$1,003,632	\$942,765	\$9,226	\$1,955,623
SC2 Commercial Heat	27,932	106,198,579	\$29,302,734	\$944,304	\$390,654	\$976,924	(\$114,756)	\$0	\$31,499,860	\$32,099,251	\$301,460	\$63,900,570
SC2 Industrial	80	1,563,137	\$277,943	\$13,892	\$5,750	\$14,379	(\$1,761)	\$0	\$310,203	\$471,822	\$3,707	\$785,732
SC2 MB Residential Non Heat	13	2,435	\$4,436	\$0	6\$	\$22	\$0	\$0	\$4,468	\$0	\$113	\$4,580
SC2 MB Residential Heat	306	1,018,022	\$318,694	0\$	\$3,745	\$9,365	0\$	0\$	\$331,803	0\$	\$8,376	\$340,180
SC2 MB Commercial Non Heat	738	3,111,764	\$869,276	\$0	\$11,447	\$28,625	(\$3,861)	\$0	\$905,488	\$0	\$4,292	\$909,780
SC2 MB Commercial Heat	15,533	101,604,520	\$24,134,905	\$0	\$373,755	\$934,663	(\$110,967)	\$0	\$25,332,355	0\$	\$120,075	\$25,452,430
SCZ MB industrial Total SC2	47,540	220,098,623	\$530,727	\$1,004,993	\$4,875	\$12,192	(\$1,446) (\$236,872)	<b>0\$</b>	\$240,348	\$34,156,343	\$478,174	\$95,326,809
SC3 Commercial Non Heat		•	\$0	\$0	0\$	\$0	\$0	\$0	0\$	\$0	\$0	\$0
SC3 Commercial Heat	30	7,635,243	\$896,664	\$66,404	\$28,086	\$70,237	<b></b>	0\$	\$1,061,392	\$2,180,081	\$15,365	\$3,256,837
SCS Industrial	5	2,279,091	\$205,838	419,714	\$8,384	\$20,905	0.00	0.00	\$314,901	\$26,1,528	\$4,533	\$900,903
i otal oca	ŝ	9,914,534	20C,20T,T¢	486,119	\$36,470	707' L6¢	O <del>p</del>	0.0	\$1,570,533	600,128,2¢	419,696	\$4,417,800
SC5 Firm Gas Transportation	158	81,862,546	\$6,259,208	\$0	\$301,133	\$753,056	(\$109,410)	\$0	\$7,203,987	0\$	\$34,147	\$7,238,134
SC6 Interruptible	2 L	48,166,279	\$2,562,020	0\$	9	\$0.4	0\$	0.9	\$2,562,020	0\$	\$12,144	\$2,574,164
CO Transportation Conjugate Plant Standby Cales Conjug	617	944 646 471	49,334,212	0	05,44,30 000 agas	\$011,302	(\$74,926)	0 9	\$10,133,429	0	\$40,042 \$01,535	\$10,103,471
SCO Hansteled Transportation Service	00	82 783 054	44 007 632	Q	\$000,902	\$1,522,54	(\$240,392)	0\$	\$4,007,632	Q	463 780	\$4.02,023
NYSEG Transportation	· -	3.007.767	\$290,318	\$ \$	9	0\$ \$	Ş	09	\$290,318	9	\$1,376	\$291,694
SC10 Natural Gas Vehicles	2	169,778	\$103,395	\$0	· \$	0\$	\$0	\$0	\$103,395	\$51,344	\$733	\$155,472
SC11 Load Aggregation Service		•	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SC12 Distributed Generation (<250K)	<del>-</del>	16,576	\$2,713	\$133	0\$	\$0	\$0	\$0	\$2,847	\$4,280	\$34	\$7,161
SC12 Distributed Generation (250K to 1000K)	i		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SC12 Distributed Generation (1M to 2.5M)	,	•	\$0	0\$	0\$	\$0	\$0	\$0	0\$	0\$	0\$	\$0
SC12 Distributed Generation (>2.5M)	'	- 608.6	\$0	\$31	0 <del>\$</del>	0.5	9 €	0,5	\$0	\$1700	\$0 43 43	0\$
SC12 MB Distributed Generation (<250K)	· -	57.281	\$4,939	0\$	0\$	0\$	0\$	0\$	\$4.939	0\$	\$23	\$4,963
SC12 MB Distributed Generation (250K to 1000K)	7	639,684	\$71,519	\$0	\$	. 0\$	\$0	\$0	\$71,519	0\$	\$339	\$71,858
SC12 MB Distributed Generation (1M to 2.5M)	в	4,957,806	\$282,163	\$0	\$0	\$0	\$0	\$0	\$282,163	\$0	\$1,337	\$283,500
SC12 MB Distributed Generation (>2.5M)	2	9,007,366	\$525,911	0\$	0\$	\$0	0\$	0\$	\$525,911	0\$	\$2,493	\$528,404
SC13 MB Residential Distributed Generation	. 620	073 500 003	\$0	\$0	\$0	\$0	\$0	0\$	\$0	\$0	\$0	\$0
Total SC5 - SC13	973	538,801,570	\$40,005,028	\$165	\$1,434,596	\$3,587,551	(\$524,928)	\$0 \$	\$44,502,411	\$56,733	\$256,018	\$44,815,163
SC14 Dual Fuel Electric Generators	Ω.	488,521,139	\$12,980,863	0\$	0\$	\$0	0\$	\$0	\$12,980,863	\$0	\$61,529	\$13,042,393
Consolidated Billing Credits								(\$919,365)	(\$919,365)	\$0	0\$	(\$919,365)
Revenue Subtotal	631,188	1,793,284,047	\$353,410,085	\$11,465,564	\$4,252,203	\$10,633,651	(\$761,800)	(\$919,365)	\$378,080,337	\$176,920,292	\$8,028,370	\$563,028,999
								0	000			6
Late Payment Charges One Bill Billing Fees								\$2,622,150	\$2,622,150		\$39,080	\$2,661,231
Supervision & Admin Allocated to Gas								\$1,938,891	\$1,938,891			\$1,938,891
Misc. 3rd Party Billings								\$880,991	\$880,991			\$880,991
Revenues from Affiliates								\$6,615	\$6,615			\$6,615
Other Misc. Fees (Reconnection Charge) POR MFC (Credit & Collections Revenues)				\$530.205				\$67,758	\$67,758		\$10.453	\$67,758
				000					2		2	0000
Revenue Total	631,188	1,793,284,047	\$353,410,085	\$11,995,769	\$4,252,203	\$10,633,651	(\$761,800)	\$5,516,405	\$385,046,313	\$176,920,292	\$8,077,903	\$570,044,507

Reconciliation of Proposed Increases (\$000s) Niagara Mohawk Power Corporation (Gas) **Years Ending March 31, 2019-2021** Rate Plan

Appendix 3 Schedule 1.2 Page 1 of 1

Case 17-G-0239

Line	Description	Source	Rate Year 1 March 31, 2019	Rate Year 2 March 31, 2020	Rate Year 3 March 31, 2021
	Base Rev Red	Appendix 1, Schedule 2	615,025	619,766	635,925
7	Less: GRT	Appendix 1, Schedule 2	(8,847)	(8,903)	(9,161)
3	Total Rev Req (excl GRT)		606,178	610,863	9
4	Less: Commodity	Appendix 1, Schedule 2	(178,174)	(174,574)	(176,920)
5	Gross Margin	Appendix 1, Schedule 2	428,005	436,289	449,844
9					
7	MFC Revenue- Proposed rates before tax impact	Appendix 3, Schedule 2, page 1	10,975	10,731	10,960
8	MFC Revenue- Adjustments for tax law change	Adjustment for tax law change (1)	(522)	(503)	(526)
6	SBC	Appendix 3, Schedule 1.1	4,182	4,317	4,417
10	Supervision to Gas	Appendix 3, Schedule 1.1	1,845	1,893	1,939
11	Late payment charges	Appendix 3, Schedule 1.1	2,601	2,600	2,622
12	Late payment charges- Adj for incremental revenue requirement	Adjustment for incremental rev req (2)	119	227	331
13	Late payment charges- Adj for tax law change	Adjustment for tax law change (1)	(29)	(29)	(69)
14	Miscellaneous revenue	Appendix 3, Schedule 1.1	923	935	955
15	EDF / EZR	Appendix 3, Schedule 1.1	(1,150)	(935)	(762)
16	Other Revenue (Not cost-based)	Appendix 3, Schedule 1.1	19,456	19,432	19,551
17	Other revenue at Proposed		38,362	38,629	39,418
18					
19	Total to recover	Line 5 less Line17	389,642	397,660	410,426
21	Delivery Revenue at Present Rates	Appendix 3, Schedule 2	328,964	392,770	400,270
22					
23	Revenue Increase needed	Line 19 less Line21	80,678	4,891	10,156
24	Revenue Increase	Appendix 3, Schedule 2	60,678	4,891	10,156
25	Difference (rounding)	Line 23 less Line 24	0	(0)	(0)
27	Delivery Revenue- Present	Appendix 3, Schedule 2	328,964	392,770	400,270
28	Delivery Revenue- Proposed	Appendix 3, Schedule 2	389,642	397,660	410,426
29	Net Change in Delivery Revenue	Line 28 less Line 27	60,678	4,891	10,156
30	Difference (rounding)	Line 24 less Line 29	(0)	0	0
	(1) In accordance with Section 10.1.10 of the Joint Proposal regarding federal tax law changes, the Company calculated reductions in MFC and LPC based on the forecast of tax credits in each rate year	aw changes, the Company calculated reductions in MI	FC and LPC based on the	forecast of tax credits in	Pa each rate vear

<sup>(1)</sup> In accordance with Section 10.1.10 of the Joint Proposal regarding federal tax law changes, the Company calculated reductions in MFC and LPC based on the forecast of tax credits in each rate year (2) Adjustment represents incremental Late Payment Charge revenue associated with the revenue requirement increases in each rate year

Niagara Mohawk Power Corporation (Gas) Rate Plan

Sch. 2

Years Ending March 31, 2019-2022 Revenue Allocation

		I	Rate Y	Year 1				Rate Year	r1			
Line Descri	Description	SC	Customers	Deliveries Dth	Delivery Revenue at PRESENT Rates	MFC Present	Delivery Margin at PRESENT Rates	Delivery Revenue at PROPOSED Rates	MFC Proposed	Change Tariff Fees, LPC	Delivery Margin at PROPOSED Rates	Rate Year Proposed over Present
1 SC-1 Residential	ntial	SC1	573,513	53,030,994	238,792	10,816	249,608	279,078	9,915	122	289,115	15.8%
2 SC-2 Small General	General	SC2	47,166	21,623,879	56,287	1,062	57,349	62,916	973	9	63,896	11.4%
3 SC-3 Large General	General	SC3	42	600,766	1,185	94	1,278	1,244	98	0	1,330	4.0%
4 SC-5 Firm Transport	ransport	SC5	158	8,015,083	6,149	'	6,149	6,757	•	0	6,757	%6.6
5 SC-7 Small I	T	SC7	704	6,425,110	6,079	'	9,079	10,104	•	0	10,104	11.3%
6 SC-8 Standby Sales	y Sales	SC8	09	23,598,624	16,218	'	16,218	17,595	1	1	17,596	8.5%
7 SC-10 NGV		SC10	2	16,161	86		86	86	•	0	86	%0.0
8 SC-12 -S DG NonRes	3 NonRes	SC12	14	1,428,139	898	0	898	898	0	0	898	%0.0
9 SC-13 DG Res	Ses	SC13	3	362	1	0	1	1	0	0	1	%0.0
10 NYSEG		NYSEG	1	287,923	286	'	286	349	•	0	349	22.0%
11			621,662	115,423,284	328,964	11,971	340,935	379,011	10,975	130	390,115	14.4%
12 Not Cost-based	ed	NCB	25	61,355,903	19,456		19,456	19,456			19,456	
13 Total			621,687	176,779,187	348,420	11,971	360,392	398,467	10,975	130	409,571	13.6%
14		I							10,975			

MFC Decrease over Present Rates

15 Levelized Increase from Exhibit
16 Surcredit offset
17 MFC Decrease over Present Rates
18 Tariff Fees over Present Rates
19 Levelized Increases, prior years
20 Target Increase- Delivery Only
21
22
23

Niagara Mohawk Power Corporation (Gas) Rate Plan Years Ending March 31, 2019-2022 Revenue Allocation

							Rate Year	Rate Year 1 Proposed				
Line	Description	SC	Delivery Margin- Rate Year 1 Proposed over	Portion of Increase	Year 1 Increase	ETIP at Present	Delivery Margin at PRESENT Rates	Delivery Margin Year 1	Surcredit* Net Delivery	Net Delivery Margin	Delivery Revenue at Year 1 (Margin- MFC)	Tax Credit
-	SC-1 Residential	SC1	39,507	80.3%	40,343	4,878	249,608	294,829	(23,906)	270,923	260,107	(10,295)
7	SC-2 Small General	SC2	6,548	13.3%	989'9	1,989	57,349	66,024	(5,392)	60,632	59,570	(2.918)
3	SC-3 Large General	SC3	51	0.1%	52	92	1,278	1,422	(117)	1,305	1,212	(52)
4	SC-5 Firm Transport	SC5	809	1.2%	621	737	6,149	7,507	(550)	6,957	6,957	(139)
S	SC-7 Small IT	SC7	1,025	2.1%	1,046	591	6,079	10,717	(829)	9,888	8886	(428)
9	SC-8 Standby Sales	SC8	1,378	2.8%	1,407	2,171	16,218	19,796	(1,487)	18,309	18,309	(477)
7	SC-10 NGV	SC10	0	%0.0	1	•	86	86	1	86	86	•
∞	SC-12 -S DG NonRes	SC12	0	%0.0	0	•	898	898	1	898	898	(39)
6	SC-13 DG Res	SC13	0)	(0.0%)	1	•	1	1	1	1	1	•
10	NYSEG	NYSEG	63	0.1%	64	•	286	350	(33)	317	317	(9)
11			49,180	100.0%	50,220	10,458	340,935	401,614	(32,315)	369,299	357,328	(14,353)
12	Not Cost-based	NCB	1				19,456	19,456		19,456	19,456	
13	Total		49,180	. 1	50,220	10,458	360,392	421,070	(32,315)	388,756	376,784	(14,353)
14				I		10,458			(32,315)			(14,353)
15	Levelized Increase from Exhibit	ı Exhibit						48,764			348,420	
16	Surcredit offset						•		56,123	1	28,364	
17	MFC Decrease over Present Rates	sent Rates									•	
18	Tariff Fees over Present Rates	t Rates									28,364	
19 20	Levelized Increases, prior years Target Increase- Delivery Only	or years ry Only						1,456 50,220		1		
21												
22			* The deferral	credits will be	applied as a	ı surcredit tl	nat expires on	he deferral credits will be applied as a surcredit that expires on Mar 31, 2021	1,			
23			except for SC 1, SC 2, SC 3, SC 5, SC 7 & SC 8, which will expire on March 31, 2022.	1, SC 2, SC 3,	SC 5, SC 7	& SC 8, wb	ich will expi	ire on March 3	1, 2022.			
							•					

Niagara Mohawk Power Corporation (Gas) Rate Plan Years Ending March 31, 2019-2022 Revenue Allocation

				Rate Y	Rate Year 2 Proposed	sed			Rate 1	Rate Year 3 Proposed	psed			Rate Yo	Rate Year 4 Proposed	pes	
Line	Description	SC	Delivery Revenue Year 2 at Year 1 Rates- From Sch. 4.2B	Increase for Year 2	Delivery Revenue Year 2	Tax Credit Surcredit*	urcredit*	Delivery Revenue Year 3 at Year 2 Rates- From Sch. 4.3B	r Increase for Year 3	Delivery Revenue Year 3	Tax Credit Surcredit*	urcredit*	Delivery Revenue Year Increase 4 at Year 3 for Year Rates- From 4 Sch. 4.4B		Delivery Revenue Year4	Tax Credit Surcredit*	ırcredit*
-	SC-1 Residential	SCI	285,978	3,570	289,548	(10,239)	(12,500)	291,510	7,415	298,925	(10,679)	(3,800)	298,925		298,925	(10,679)	(1,000)
7	SC-2 Small General	SC2	65,676	820	66,496	(2,902)		66,730	_	68,427	(3,027)	(950)	68,427	1	68,427	(3,027)	(325)
3	SC-3 Large General	SC3	1,325	17	1,341	(52)		1,323		1,357	(54)	(24)	1,357	•	1,357	(54)	(10)
4	SC-5 Firm Transport	SC5	7,579	95	7,673	(138)	(290)	7,741	197	7,938	(144)	(125)	7,938	•	7,938	(144)	(50)
5	SC-7 Small IT	SC7	10,892	136	11,028	(425)	Ī	11,190		11,475	(444)	(155)	11,475	•	11,475	(444)	(55)
9	SC-8 Standby Sales	SC8	20,010	250	20,260	(474)	Ī	20,453		20,973	(495)	(290)	20,973	٠	20,973	(495)	(100)
7	SC-10 NGV	SC10	101	1	101	•	•	103	1	103	•	'	103	٠	103	•	'
∞	SC-12 -S DG NonRes	SC12	884	1	884	(38)	•	887		887	(40)	'	887	•	887	(40)	•
6	SC-13 DG Res	SC13		1	-	•	•		1	_	1	•		•	_	•	1
10	NYSEG	NYSEG	324	4	328	(9)	(14)	331	8	339	()		339	1	339	(7)	1
11			392,770	4,891	397,660	(14,275)	(16,924)	400,270	10,156	410,426	(14,889)	(5,344)	410,425	ı	410,425	(14,889)	(1,540)
17	Not Cost-based	NCB	19,456	(24)	19,432	1	1	19,432	1119	19,551	1	1	19,551	1	19,551	1	1
13	Total		412,226	4,866	417,092	(14,275)	(16,924)	419,702	10,274	429,976	(14,889)	(5,344)	429,976	-	429,976	(14,889)	(1,540)
15 15	* The deferral credits will be applied as a surcredit that expires on Mar 31, 2021, except for SC 1, SC 2, SC 3, SC 5, SC 7 & SC 8, which will expire on March 31, 2022	ill be applieα	d as a surcredit	that expires	on Mar 31, 2	021, except fo	or SC 1, SC	2, SC 3, SC 5	; SC 7 & SC	8, which wil	Il expire on M	arch 31, 20	122.				
16		:				•					•						

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Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Calculation of Proposed Rates- Year 1

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	2000
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					Current Rates	S				Curr	Current Kates Kevenue	enne	
Line	Rate SC		Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 2 dth	Total	Customer Charge	<b>Demand</b> <b>Charge</b>	Volumetric	Total with MFC
1 SC1	SCI	   <del>s</del>	5 20.35	\$ 0.38520	\$ 0.06385				238,792,314	140,051,805		98,740,510	249,607,833
2 SC2	SC2	↔	3 24.27		\$ 0.17302	\$ 0.05547			56,286,729	13,736,769		42,549,961	57,348,622
3 SC3	SC3	S	781.27	\$ 0.09679				821,418	1,184,606	389,556		795,051	1,278,493
4 SC5	SC5	↔	522.38						6,148,805	990,439		5,158,365	6,148,805
5 SC6	SC6								2,503,905	2,503,905		1	2,503,905
6 SC7	SC7	S							9,079,229	3,050,256		6,028,973	9,079,229
7 SC8	SC8	<del>∽</del>	924.04	\$ 0.06569	\$ 0.06182	\$ 0.05333		23,591,644	16,218,423	665,311	1,517,048	14,036,064	16,218,423
8 SC10	SC10	_		\$ 0.60900					98,420			98,420	98,420
6													
10 SC12-S1	-S1 SC12-S	\$ s-	148.27	\$ 0.05074					73,969	42,748		31,221	73,969
11 SC12-S1W	-S1W	↔	148.27	\$ 0.06429									
12 SC12-S2	-S2	\$	, 466.54	\$ 0.04522									
13 SC12-S2W	-S2W	\$	466.54	\$ 0.05728									
14													
15 SC12-L1	-L1 sc12-L		1,401.27		\$ 0.03615				794,128	84,076	406,195	303,857	794,252
16 SC12-L1W	-L1W	❖	\$ 1,401.27	\$ 0.05340	\$ 0.04578								
17 SC12-L2	-L2	\$	1,401.27				\$ 0.86534						
	SC12-L2W	❤	\$ 1,401.27	\$ 0.01071			\$ 0.86534						
19										ı			
20 SC13	SC13	\$	3 27.56	\$ 0.03914					1,129	992		137	1,163
21 SC14	SC14								13,088,293	13,088,293			13,088,293
22 NYSEG	EG NYSEG	EG \$	810.07	\$ 0.03228			\$ 0.50974		286,169	9,721		276,448	286,169
23 SC9	SC9								3,864,072	3,864,072			3,864,072
24 Round	d Round	р						ļ	1			-	
25									348 420 191	178 477 941	1 923 243	168 019 007	360 391 648

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Calculation of Proposed Rates- Year 1

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	tblRates_LvlYr1	Yrl	Proposed Increase in Delivery Revenue	ncrease in Revenue			Rate Yea	Rate Year 1 Proposed Rates	Rates		Rate Y	Rate Year 1 Revenue at Proposed Rates	e at Proposed	Rates
Line	Rate	SC	\$ Amount	% of Volumetric	B	Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Total	<b>Delivery</b> <b>Increase</b>	Difference to Target	Total with MFC
-	SC1	SC1	21,315,145	21.59%	<b>↔</b>			<b>↔</b>	1		260,105,778	21,313,463	1,681	270,020,786
7 r	SC2 SC3	SC2 SC3	3,283,200	7.72%	<b>~</b> ~	24.27 \$	0.32039	\$ 0.18637	\$ 0.05975		59,569,824	3,283,094	106	60,543,302
4	SC5	SCS	808,612	15.68%	· •	1.83		_			6,957,286	808,482	130	6,957,286
5	SC6	SC6									2,503,905	ı	•	2,503,905
9	SC7	SC7	808,479	13.41%	\$	361.27 \$	0.13491				9,887,586	808,357	122	9,887,586
7	SC8	SC8	2,090,459	14.30%	\$	1,039.54 \$	0.07508	990200 \$ 8	\$ 0.06096		18,308,849	2,090,427	32	18,308,849
8	SC10	SC10		%00.0		\$	0.60900	_			98,420	1	ı	98,420
6														
10	SC12-S1	SC12-S	1	0.00%	\$	148.27 \$	0.05074				73,969	ı	1	73,969
11	SC12-S1W				<del>\$</del>	148.27 \$	0.06429							
12	SC12-S2				S	466.54 \$	0.04522							
13	SC12-S2W				↔	466.54 \$	0.05728							
14														
15	SC12-L1	SC12-L	1	0.00%	<del>∽</del>	\$ 1,401.27 \$	0.04216	\$ 0.03615			794,128	ı		794,242
16	SC12-L1W				\$	1,401.27 \$	0.05340	\$ 0.04578						
17	SC12-L2				<u>∽</u>	\$ 1,401.27 \$	0.00845			\$0.86534	1	ı	•	
18	SC12-L2W				\$	1,401.27 \$	0.01071			\$0.86534				
19														
20	SC13	SC13	1	0.00%	<b>∽</b>	27.56 \$	0.03914				1,129	ı		1,160
21	SC14	SC14	•								13,088,293	ı		13,088,293
22	NYSEG	NYSEG	30,918	10.79%	S	897.50 \$	0.03576			\$0.56476	317,045	30,876	42	317,045
23	SC9	SC9	-								3,864,072	1	ı	3,864,072
24	Round	Round									12			
25			28,363,737	20.67%							376,781,845	28,361,642	2,095	387,756,534
														Pa

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Calculation of Proposed Rates- Year 1

Gross Volumetric Rates  SC Block 2 Block 3 Block 4 Demand		Deman		Block 2	Surcredit Block 3 Block 4	4 Demand	Surcredit Ratio
0 0 5/1/1 ¢ 0 000000				9 00000	0.001640		Kallo 10 00
\$ 0.35808	8 0 0 8 7 8				\$ (0.02193) \$ (0.00703)	13)	11.8%
) ) ) !	)						14.2%
				\$ (0.00688)			9.3%
90							
				\$ (0.01635)			12.1%
C8 \$ 0.08204 \$ 0.07721 \$ 0.06661	\$ 0.06661			\$ (96900.0) \$	\$ (0.00696) \$ (0.00655) \$ (0.00565)	55)	9.3%
				· S			
8 0 05074				÷			
9 4				·			
\$ 0.04522				ı ı			
\$ 0.05728				ı • <del>\$</del>			
SC12-L \$ 0.04216 \$ 0.03615				- \$	1		
\$ 0.05340 \$ 0.04578				- \$	1		
\$ 0.00845	\$0.865	0.865	34	- ~		· ~	
\$ 0.01071	\$0.865	30.865	34			· S	
C13 \$ 0.03914							
C14							
NYSEG \$ 0.03632 \$0.57355	\$0.573	30.573	55	\$ (0.00056)		\$ (0.00879)	1.6%
60							
Round							

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Calculation of Proposed Rates- Year 1

		Target	(10,294,743)	(2,918,103)	(51,843)	(138,651)		(427,608)	(477,040)			(38,581)												(6,430)			(14,353,000)
		Actual Tax Credit	(10,295,406)	(2,918,605)	(51,831)	(138,356)		(427,745)	(476,569)			(240)	(164)	(1,591)	(1,602)		(13,417)	(11,698)	(4,538)	(5,325)				(6,437)			(14,353,524)
		Tax Credit Ratio	43.1%	54.1%	44.3%	25.2%		51.6%	32.1%			(11.5%)	,									1		19.3%		I	ı
		Demand																	\$ (0.09967)	\$ (0.09967)				\$ (0.00170)			
	Tax Credit	Block 4		\$ (0.00380)					\$ (0.00181)																		
		Block 3	\$ (0.00666)	\$ (0.01187) \$ (0.00380)					\$ (0.00223) \$ (0.00210) \$ (0.00181)								\$ (0.00416)	\$ (0.00527)									
		Block 2	\$ (0.04016)	\$ (0.02040)	\$ (0.00631)	\$ (0.00173)		\$ (0.00844)	\$ (0.00223)	· S		\$ (0.00584)	\$ (0.00741)	\$ (0.00521)	\$ (0.00660)		\$ (0.00486) \$ (0.00416)	\$ (0.00615)	\$ (0.00097)	\$ (0.00123)				\$ (0.00011)			
lYrI		SC	SC1	SC2	SC3	SC5	SC6	SC7	SC8	SC10		SC12-S					SC12-L					SC13	SC14	NYSEG	SC9	Round	
tblRates_LvlYr1		Rate	SCI	SC2	SC3	SC5	SC6	SC7	SC8	SC10		SC12-S1	SC12-S1W	SC12-S2	SC12-S2W		SC12-L1	SC12-L1W	SC12-L2	SC12-L2W		SC13	SC14	NYSEG	SC9	Round	
		Line	-	7	Э	4	S	9	_	∞	6	10	Ξ	12	13	4	15	16	17	18	19	20	21	22	23		25

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Rate Year 1 Current and Proposed Rates

Line Description	sc	Customers	Block 1	Block 2	Block 3	Block 4	Total	Demand Units
Residential Non-Heat	SC1	25,843	61,671	272,941	109,430	1	444,042	
Residential Non-Heat MB	SC1	2,954	7,788	34,454	10,722	,	52,964	
Residential Heat	SC1	456,607	1.541,081	16.877.299	25.038,230		43.456,609	
Residential Heat MB	SC1	88,108	304,345	3,385,672	5,387,361	,	9,077,378	
Residential Non-Heat	SC2	111	261	1,143	-	0	1,404	
Residential Non-Heat MB	SC2	13	32	217	1	0	250	
Residential Heat	SC2	1,494	4,381	128,466	62,021	5,952	200,820	
Residential Heat MB	SC2	307	963	46,667	52,637	2,247	102,514	
Commercial Non-Heat	SC2	1,271	3,673	113,836	148,754	096'29	334,222	
Commercial Non-Heat MB	SC2	723	2,253	105,921	179,768	12,530	300,472	
Commercial Heat	SC2	27,550	78,338	3,606,907	5,306,758	1,356,133	10,348,135	
Commercial Heat MB	SC2	15,550	47,955	2,645,103	6,374,563	991,039	10,058,659	
Industrial	SC2	77	225	16,361	101,044	28,893	146,523	
Industrial MB	SC2	72	228	15,466	82,503	32,682	130,879	
Commercial Non-Heat	SC3	•	,	. 1	. •	. 1		
Commercial Heat	SC3	34	140,555	647,084	,	•	787,639	
Industrial	SC3	8	35,036	174,334	1		209,370	
Firm Transport	SC5	158	17,617	7.997,466	,	•	8.015,083	
Lg Vol IT	SC6	15	1,800	4,700,961	,	•	4,702,761	
Small FT	SC7	704	1,357,043	5,068,067	,	•	6,425,110	
Firm & Standby	SC8	09	6.980	5,781,809	8.716.238	9.093.598	23,598,624	
NGV	SC10	2		16,161	. 1		16,161	
DG <250	SC12-S	1		817			817	
DG <250	SC12-S			009			009	
DG <250 MB	SC12-S	-		3,291			3,291	
DG <250 MB	SC12-S			1,616			1,616	
DG 250-1000	SC12-S	1		•			•	
DG 250-1000	SC12-S			1			•	
DG 250-1000 MB	SC12-S	7		30,535			30,535	
DG 250-1000 MB	SC12-S			24,275			24,275	
DG 1M-2.5M	SC12-L	,		, 1	1		. '	
DG 1M-2.5M	SC12-L			1	ı		•	
DG 1M-2.5M MB	SC12-L	3		276,063	ı		276,063	
DG 1M-2.5M MB	SC12-L			190,213	ı		190,213	
DG >2.5M	SC12-L	•		•	•		•	
DG >2.5M	SC12-L			•	•		•	
DG >2.5M MB	SC12-L	2		467,832	•		467,832	
DG >2.5M MB	SC12-L			432,898	•		432,898	469,405
DG Sales	SC13	3	11	351	1	•	362	
DG Sales MB	SC13	•		1	1	•	•	
Electric Generation	SC14	5	,	48,408,883	1		48,408,883	
NYSEG	NYSEG	1	1	287,923	1	•	287,923	360,000
Special Contract	SC9	5	,	8,244,260	1	•	8,244,260	
44 Rounding	Round			49			49	
		100	20000	. 10000011	000 000			201000

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Rate Year 1 Current and Proposed Rates

	Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pacciation   Pac						Current Rates	Rates		ı		Current Ra	Current Rates Revenue	
Residential How-Heat         SCI         3.03.85         0.006838         3         2.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22         7.12.12.22	Residential Non-Heart         SCH 200         0.88520         SONGSSS         Chilogop         1113-122           Residential Non-Heart MB         SCI 5         2.03.5         0.88520         SONGSSS         S.         1115-03.50         1193-05.50           Residential Non-Heart MB         SCI 5         2.42.7         0.038-05         0.08850         SONGSSS         S.         1115-03.50         1103-05         1103-05           Residential Heart MB         SCI 2         2.42.7         0.029-04         8.01720         SONGSSS         3.400         647           Residential Heart MB         SCI 2         2.42.7         0.029-04         8.01720         SONGSSS         3.400         647           Residential Heart MB         SCI 2         2.42.7         0.029-04         8.01720         SONGSSS         3.401         647           Commercial Non-Heart MB         SCI 2         2.42.7         0.029-04         8.01720         SONGSSS         3.401         647           Commercial Non-Heart MB         SCI 2         2.42.7         0.029-04         8.01720         SONGSSS         3.041         647           Commercial Non-Heart MB         SCI 2         2.42.7         0.029-04         8.01720         SONGSSS         3.041         6.053-05<	Line	Description	SC	Block (CC)		lock 2	Block 3	Block 4	Demand	Block 1 (CC)	Blocks 2-4	Demand Revenue	Total
Residential Non-Heart MB         SCT         3.03.85         0.03659         S         -         7.12,156,086         16,481,439         19,563           Residential Heart MB         SCT         5.03.15         0.03820         8.00685         S         -         11,166,086         16,481,439         17,21           Residential Heart MB         SCT         5.03.15         0.03520         8.00554         3.247         8.02744         8.01720         8.00554         3.247         9.0274         8.01720         8.00554         3.247         8.01720         8.00554         3.247         8.01720         8.00554         3.247         8.01720         8.00554         3.247         8.01720         8.00554         3.041         8.01720         8.00554         3.041         8.01720         8.00554         3.041         8.01720         8.00554         3.041         8.01720         8.00554         3.041         8.01720         8.00554         3.041         9.0273         8.00554         3.051         9.0254         9.0273         8.00554         3.051         9.00554         3.051         9.00554         3.051         9.00554         3.052         9.00554         3.052         9.00554         3.052         3.00554         3.052         3.052         3.052	Residential Non-Heart MB         SCI         5.038 S         5.08620         S.         111503-507         1805-80           Residential Heart MB         SCI         5.02374         5.01702         5.006385         S.         111503-507         80,982-56           Residential Heart MB         SCI         5.2427         5.02744         5.01720         5.00547         3.440         647         647           Residential Heart MB         SCI         5.2427         5.02744         5.01720         5.00547         44,980         49,233         40,083           Residential Non-Heart         SCI         5.2427         5.02744         5.01720         5.00547         37,0100         633,647         40,489         40,233           Commercial Non-Heart         SCI         5.2427         5.02744         5.01720         5.00547         37,0100         633,647         40,489         40,233         60,633         70,020         60,634         70,020         40,489         40,633         70,020         70,0274         80,1730         50,0547         70,0274         80,1730         50,0547         70,0274         80,1730         50,0547         70,0274         80,1730         50,0547         70,0274         80,1730         80,0547         70,0274 <t< td=""><td>_</td><td>Residential Non-Heat</td><td>SCI</td><td>\$ 20.3</td><td>S</td><td>.38520</td><td>\$ 0.06385</td><td>- \$</td><td></td><td>6,310,959</td><td>1,121,242</td><td></td><td>7,432,201</td></t<>	_	Residential Non-Heat	SCI	\$ 20.3	S	.38520	\$ 0.06385	- \$		6,310,959	1,121,242		7,432,201
Residential Heat MB         SCI         S. 2035. S. 0.0385. S	Residential Horth         SCI         5 0.38520         \$ 0.00685         3         1115/05/96         16,413-99           Residential Horth         SCI         5 2.427         \$ 0.29744         \$ 0.1702         \$ 0.00547         3,406         16,413-99           Residential Non-Horth         SCI         5 2.427         \$ 0.29744         \$ 0.1702         \$ 0.00547         3,406         16,413-99           Residential Non-Horth         SCI         5 2.427         \$ 0.29744         \$ 0.1702         \$ 0.00547         3,406         16,413-12           Commercial Non-Hort         SCI         5 2.427         \$ 0.29744         \$ 0.1702         \$ 0.05547         3,406         16,413-13           Commercial Non-Hort         SCI         5 2.427         \$ 0.29744         \$ 0.1730         \$ 0.05547         3,010-20         3,406         3,406           Commercial Non-Hort         SCI         5 2.427         \$ 0.29744         \$ 0.1730         \$ 0.05547         \$ 2.0424         \$ 0.05647         \$ 2.0444         \$ 0.05647         \$ 0.05647         \$ 0.06638         \$ 0.06638         \$ 0.06638         \$ 0.06638         \$ 0.06638         \$ 0.06638         \$ 0.06638         \$ 0.06638         \$ 0.06638         \$ 0.06638         \$ 0.06638         \$ 0.06638         \$ 0.06638	7	Residential Non-Heat MB	SCI	\$ 20.3	S	.38520	\$ 0.06385	· ~		721,252	139,563		860,815
Residential Heat MB         SCT         S. 2027.8         S. 0.05547         3.516,068         18,439         379           Residential Non-Heat MB         SCZ         S. 2427         S. 0.02744         S. 0.05547         3.641         647         9.70           Residential Non-Heat MB         SCZ         S. 2427         S. 0.02744         S. 0.05547         3.641         647         9.70           Residential Non-Heat MB         SCZ         S. 2427         S. 0.02744         S. 0.17202         S. 0.05547         3.040         647         9.70           Residential Heat MB         SCZ         S. 2427         S. 0.2744         S. 0.17202         S. 0.05547         3.01,0259         633,037         9.02           Commercial Heat MB         SCZ         S. 2427         S. 0.2744         S. 0.17202         S. 0.05547         4.02,599         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         9.02         <	Residential Hear MB         SC         9.035         9.00583         - 1516066         16481,439           Residential Hear MB         SC         9.2427         9.02744         8.017302         8.005547         3.2386         3.400           Residential Non-Hear MB         SC         9.2427         8.02744         8.017302         8.005547         3.561         9.4273           Residential Hear MB         SC         9.2427         8.02744         8.017302         8.005547         3.561         9.4273           Commercial Non-Hear MB         SC         9.2427         8.02744         8.017302         8.005547         9.9223         19.46590         49.223           Commercial Non-Hear MB         SC         9.2427         8.02744         8.017302         8.005547         9.02364         4.02848         3.400           Commercial Non-Hear MB         SC         9.2427         8.02744         8.017302         8.005547         9.02346         9.02344         8.017302         8.005547         9.02448         9.02344         9.005547         9.005438         9.005438         9.005438         9.005438         9.005438         9.005438         9.005438         9.005438         9.005438         9.005438         9.005438         9.005438         9.005438 <td>ε.</td> <td>Residential Heat</td> <td>SC1</td> <td>\$ 20.3</td> <td>8</td> <td>.38520</td> <td>\$ 0.06385</td> <td></td> <td></td> <td>111,503,507</td> <td>80,998,266</td> <td></td> <td>192,501,773</td>	ε.	Residential Heat	SC1	\$ 20.3	8	.38520	\$ 0.06385			111,503,507	80,998,266		192,501,773
Residential Non-Heat         SCZ         S. 2427         S. 0.05547         32.5641         647           Residential Heat         SCZ         S. 2427         S. 0.05547         3.5641         647           Residential Heat         SCZ         S. 2427         S. 0.2744         S. 0.17302         S. 0.05547         9.027         9.027           Commercial Heat         SCZ         S. 2427         S. 0.2744         S. 0.17302         S. 0.05547         3.02,071         3.02,074           Commercial Heat         SCZ         S. 2427         S. 0.2744         S. 0.17302         S. 0.05547         3.02,071         3.02,074           Commercial Heat         SCZ         S. 2427         S. 0.2744         S. 0.17302         S. 0.05547         2.02,027         3.02,027           Commercial Heat         SCZ         S. 2427         S. 0.2744         S. 0.17302         S. 0.05547         2.02,027         3.02,027           Industrial Meat         SCZ         S. 2427         S. 0.2744         S. 0.17302         S. 0.05547         2.02,027         3.02,027           Industrial Meat         SCZ         S. 78,127         S. 0.05547         S. 0.05547         2.02,027         3.02,027           Industrial Meat         SCZ         S. 242,18	Residential Non-Heat         SC         2 44.27         8 0.1730.         5 0.05547         3.40         3.40           Residential Non-Heat         SC         2 4.27         8 0.2744         8 0.1730.         5 0.05547         3.541         9.47           Residential Non-Heat         SC         2 4.27         8 0.2744         8 0.1730.         5 0.05547         3.641         49.780         49.771           Residential Heat         SC         2 4.27         8 0.2744         8 0.1730.         5 0.05547         3.010.49         9.02714         1.1730.         5 0.05547         3.010.49         9.02714         1.1730.         5 0.05547         3.010.49         9.02714         1.1730.         5 0.05547         3.010.49         9.02714         9.02744         8.01730.         5 0.05547         3.010.49         9.02714         9.02744         8.01730.         8.00547         3.010.44         9.02714         9.02744         8.01730.         8.005547         3.010.446,590         9.02744         8.01730.         8.005547         3.010.446,590         9.02744         8.01730.         8.005547         3.010.446,590         9.02744         8.01730.         8.005547         3.010.446,590         9.02744         8.01730.         8.005547         3.010.446,590         9.02744         8.0173	4	Residential Heat MB	SC1	\$ 20.3	S	.38520	\$ 0.06385	· •		21,516,086	16,481,439		37,997,525
Residential Non-Heat MB         SCC         5         24.27         8 0.03544         8 0.1730         8 0.06547         49,404         49,71           Residential Heat MB         SCC         5         24.27         8 0.02744         8 0.1730         5 0.06547         8 93.25         231,125           Commercial Heat MB         SCC         5         24.27         8 0.2974         8 0.1730         5 0.06547         8 93.25         231,125           Commercial Heat MB         SCC         5         24.27         8 0.2974         8 0.1730         5 0.06547         8 0.0543         2 24.12         2 0.2974         8 0.1730         8 0.06547         2 0.06547         8 0.06547         8 0.06549         8 0.05547         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         8 0.06549         <	Residential Non-Heat MB   SC2   S 24.27   S 0.7974   S 0.17302   S 0.05547   S 3.444.980   S 49.2721   S 6.2744   S 0.17302   S 0.05547   S 6.2743   S 0.2744   S 0.17302   S 0.05547   S 6.2743   S 0.2744   S 0.17302   S 0.05547   S 6.2743   S 0.2744   S 0.17302   S 0.05547   S 6.2743   S 0.2744   S 0.17302   S 0.05547   S 6.2743   S 6.2744   S 0.17302   S 0.05547   S 6.2743   S 6.2744   S 6.17302   S 0.05547   S 6.2743   S 6.2744   S 6.17302   S 0.05547   S 6.2743   S 6.2744   S 6.17302   S 0.05547   S 6.2743   S 6.2744   S 6.17302   S 6.05547   S 6.2743   S 6.2744   S 6.17302   S 6.05547   S 6.2743   S 6.2744   S 6.17302   S 6.05547   S 6.2743   S 6.2744   S 6.17302   S 6.05547   S 6.2743   S 6.2744   S 6.17302   S 6.05547   S 6.2743   S 6.2744   S 6.17302   S 6.05547   S 6.2743   S 6.2744   S 6.17302   S 6.05547   S 6.2743   S 6.2744   S 6.17302   S 6.05547   S 6.2743   S 6.2744   S 6.17302   S 6.05547   S 6.2743   S 6.2744   S 6.17302   S 6.05547   S 6.2743   S 6.2744   S 6.17302   S 6.05547   S 6.2743   S 6.2743   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744   S 6.2744	S	Residential Non-Heat	SC2	\$ 24.2	S	.29744	\$ 0.17302	\$ 0.05547		32,386	3,400		35,787
Residential Heath         SC         24.27         8.0.9244         8.0.1732         8.0.05547         8.9.325         2.1.721           Residential Heath         SC         2.42.75         8.0.9244         8.0.1730         8.0.05547         8.0.325         2.1.721           Commercial Mon-Heath         SC         2.42.75         8.0.2944         8.0.1730         8.0.05547         2.0.0549         9.0.1730         8.0.05547         2.0.0549         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05547         9.0.05	Residential Heat         SC         S         24.77         S         0.025744         S         0.055547         80,325         93,225         0.33,624           Commercial Non-Heat         SC         S         24.77         S         0.029744         S         0.17302         S         0.05547         30,125         Commercial Non-Heat         SC         2.4.77         S         0.02974         S         0.17302         S         0.05547         S         0.05547         S         0.05547         S         0.05547         S         0.05547         S         0.05049         S         0.05049         S         0.05547         S         0.05547         S         0.05547         S         0.05547         S         0.05547         S         0.05547         S         0.05547         S         0.05547         S         0.05547         S         0.05547         S         0.05547         S         0.05547         S         0.05547         S         0.05547         S         0.05547         S         0.05547         S         0.05547         S         0.05547         S         0.05547         S         0.05547         S         0.05547         S         0.05547         S         0.05547 <th< td=""><td>9</td><td>Residential Non-Heat MB</td><td>SC2</td><td>\$ 24.2</td><td>S</td><td>.29744</td><td>\$ 0.17302</td><td>\$ 0.05547</td><td></td><td>3,641</td><td>647</td><td></td><td>4,288</td></th<>	9	Residential Non-Heat MB	SC2	\$ 24.2	S	.29744	\$ 0.17302	\$ 0.05547		3,641	647		4,288
Residential Hear MB         SCC         5         24.27         8.0.9544         8.0.1732         8.0.05547         370,105         6.0.649         6.3.1135         1.1.15           Commercial Non-Hear MB         SCC         5         24.27         8.0.29744         8.0.17302         8.0.05547         370,105         6.0.649         6.3.037           Commercial Hear MB         SCC         5         24.27         8.0.29744         8.0.17302         8.0.05547         2.0.4698         6.3.037         2.0.6499         6.3.037           Industrial Hear MB         SCC         5         24.27         8.0.29744         8.0.17302         8.0.05547         2.0.465,90         2.3.47         8.0.05649         8.0.3547         2.0.412         2.0.05847         8.0.3673         2.0.47         8.0.05649         8.0.3547         8.0.3673         2.0.47         8.0.05649         8.0.3547         8.0.3673         2.0.47         8.0.05649         8.0.3547         8.0.3674         8.0.3674         8.0.3674         8.0.3674         8.0.3674         8.0.3674         8.0.3674         8.0.3674         8.0.3674         8.0.3674         8.0.3674         8.0.3674         8.0.3674         8.0.3674         8.0.3674         8.0.3674         8.0.3674         8.0.3674         8.0.3674         8.0.36	Residential Heat MB         SC         2 4.27         8 0.29744         8 0.17302         8 0.05547         7 80,325         2 33,054           Commercial Mon-Heat MB         SC         2 4.27         8 0.29744         8 0.17302         8 0.05547         3 70,0549         3 70,0549         6 33,037           Commercial Heat MB         SC         2 4.27         8 0.29744         8 0.17302         8 0.05547         4 0.25842         2 0.0549         4 0.0549         4 0.0549         2 0.0549         2 0.0549         2 0.0549         2 0.0549         2 0.0549         2 0.0549         2 0.0549         2 0.0549         2 0.0549         2 0.0549         2 0.0549         4 0.0549         2 0.0549         2 0.0549         2 0.0549         2 0.0549         4 0.0549         2 0.0549         2 0.0549         2 0.0549         2 0.0549         4 0.0549         2 0.0549         2 0.0549         2 0.0549         4 0.0549         4 0.0549         4 0.0549         2 0.0549         2 0.0549         4 0.0549         4 0.0549         4 0.0549         2 0.0549         2 0.0549         2 0.0549         2 0.0549         4 0.0549         2 0.0549         2 0.0549         2 0.0549         4 0.0549         2 0.0549         2 0.0549         2 0.0549         2 0.0549         2 0.0549         2 0.0549         2 0.0549 <td>7</td> <td>Residential Heat</td> <td>SC2</td> <td>\$ 24.2</td> <td>S</td> <td>.29744</td> <td>\$ 0.17302</td> <td>\$ 0.05547</td> <td></td> <td>434,980</td> <td>492,721</td> <td></td> <td>927,700</td>	7	Residential Heat	SC2	\$ 24.2	S	.29744	\$ 0.17302	\$ 0.05547		434,980	492,721		927,700
Commercial Now-Heath         SC         2427         S.02744         S.015347         370.02         G.33.664         1.00           Commercial Now-Heath         SC         2427         S.02744         S.017322         S.005347         210,549         G.33.637         2.366           Commercial Heath MB         SC         5.427         S.02744         S.017322         S.005547         2.06,538         2.366           Commercial Heath         SC         2.427         S.02744         S.01732         S.005547         2.06,537         2.06,6377         2.366           Industrial MB         SC         2.427         S.02744         S.01732         S.005547         2.06,837         2.06,837         2.36           Industrial MB         SC         2.427         S.00679         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S	Commercial Nor-Heat         SCZ         S         24.27         S 0.1750         S 0.05547         370,102         633,664           Commercial Nor-Heat MB         SCZ         S         24.27         S 0.2974         S 0.1730         S 0.05547         210,639         20,662-382           Commercial Heat MB         SCZ         S         24.27         S 0.2974         S 0.1730         S 0.05547         4,528,823         19,465,90           Industrial MB         SCZ         S         24.27         S 0.2974         S 0.1730         S 0.05547         20,6873         20,662,38           Industrial MB         SCZ         S         24.27         S 0.2974         S 0.1730         S 0.05547         20,6837         20,662,38           Commercial Heat         SCZ         S         24.27         S 0.0969         S         S         S         24.27         S 0.0667         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S	∞	Residential Heat MB	SC2	\$ 24.2	S	.29744	\$ 0.17302	\$ 0.05547		89,325	231,125		320,450
Commercial Heat         SC2         5         24.27         8 0.17302         8 0.05547         2 0.0549         8 0.17302         8 0.05547         2 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497         8 0.05497 </td <td>Commercial Nov-Heart MB         SCZ         5         24.27         8         0.17302         8         0.05547         210,549         63.03.67         20.65.282           Commercial Heart MB         SCZ         5         24.27         8         0.17302         8         0.05547         20.65347         20.6538         1         20.65.282         1         1         0.05547         20.6538         1         0.05547         20.6538         1         0.05547         20.6538         1         0.05547         20.6538         1         0.05547         20.6538         1         0.05547         20.6573         1         0.0573         1         0.0573         1         0.0573         0.05547         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873</td> <td>6</td> <td>Commercial Non-Heat</td> <td>SC2</td> <td>\$ 24.2</td> <td>S</td> <td>.29744</td> <td>\$ 0.17302</td> <td>\$ 0.05547</td> <td></td> <td>370,102</td> <td>633,664</td> <td></td> <td>1,003,766</td>	Commercial Nov-Heart MB         SCZ         5         24.27         8         0.17302         8         0.05547         210,549         63.03.67         20.65.282           Commercial Heart MB         SCZ         5         24.27         8         0.17302         8         0.05547         20.65347         20.6538         1         20.65.282         1         1         0.05547         20.6538         1         0.05547         20.6538         1         0.05547         20.6538         1         0.05547         20.6538         1         0.05547         20.6538         1         0.05547         20.6573         1         0.0573         1         0.0573         1         0.0573         0.05547         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873         0.05873	6	Commercial Non-Heat	SC2	\$ 24.2	S	.29744	\$ 0.17302	\$ 0.05547		370,102	633,664		1,003,766
Commercial Heatt SC2 5 24.27 8 0.29744 8 0.17302 8 0.05547 4 2.2868.23 19,446.590 2.3991 bidiatrial Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Material Ma	Commercial Hort         SCZ         5         2427         8         0.1730         8         0.05547         8         0.05547         0.06534         0.06549         4,528,823         19,46,530           Industrial MB         SCZ         5         2427         8         0.1730         8         0.05547         20,544         32,412         30,645         3         22,412         30,646,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,390         10,446,	10	Commercial Non-Heat MB	SC2	\$ 24.2	S	.29744	\$ 0.17302	\$ 0.05547		210,549	633,037		843,587
Commercial Heat MB         SCZ         5         24.27         5         0.29744         5         0.29744         5         0.29744         5         0.29744         5         0.29744         5         1.2412         2.93517         2.23           Industrial Male         SCZ         5         24.27         5         0.29744         6.17302         5         0.65547         2.24312         2.039517         2.06877         2.24412         2.33517         2.06877         2.24412         2.23412         2.03974         6.01362         2.06877         2.06877         2.24412         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877         2.06877 <td>Commercial Heat MB         SC2         S         24.27         S 0.29744         S 0.17362         S 0.05547         22,412         2.944 (S. D. B. B. B. B. B. B. B. B. B. B. B. B. B.</td> <td>Ξ</td> <td>Commercial Heat</td> <td>SC2</td> <td>\$ 24.2</td> <td>S</td> <td>.29744</td> <td>\$ 0.17302</td> <td>\$ 0.05547</td> <td></td> <td>8,023,677</td> <td>20,662,382</td> <td></td> <td>28,686,059</td>	Commercial Heat MB         SC2         S         24.27         S 0.29744         S 0.17362         S 0.05547         22,412         2.944 (S. D. B. B. B. B. B. B. B. B. B. B. B. B. B.	Ξ	Commercial Heat	SC2	\$ 24.2	S	.29744	\$ 0.17302	\$ 0.05547		8,023,677	20,662,382		28,686,059
Industrial   Main   Sec	Industrial         SCZ         S 2427         S 0.29744         S 0.17502         S 0.05547         2 2412         2 39 517           Industrial         SCZ         S 2427         S 0.05744         S 0.05547         2 0.873         2 0.873         2 0.873         2 0.871           Commercial Host         SCZ         S 781.27         S 0.06679         S - S - S - S - S - S - S - S - S - S -	12	Commercial Heat MB	SC2	\$ 24.2	S	.29744	\$ 0.17302	\$ 0.05547		4,528,823	19,446,590		23,975,414
Industrial IMB         SC2         2.427         8.017944         8.01730         8.005547         2.04873         2.06,877         2.02           Commercial IMB         SC3         8.78127         8.009679         8         8         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9<	Industrial MB         SC2         2 427         8 0.29744         8 0.17302         8 0.05547         2 0.877         2 0.877         2 0.877         2 0.877         2 0.877         2 0.877         2 0.877         2 0.877         2 0.877         2 0.877         2 0.877         2 0.877         2 0.877         2 0.871         2 0.00679         8 - 8 - 9 - 9 - 3 1.727         3 1.7367         6 5.311         4 0.873         2 0.873         3 1.873         6 0.051         8 1.877         8 0.051         8 0.00679         8 - 8 - 9 - 9 - 9 0.0439         8 0.873         8 0.00679         8 - 8 - 9 - 9 0.0539         8 0.0533         9 0.05390         9 0.0533         9 0.05390         8 0.873         8 0.0531         1 1.336         6 0.02897         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490         8 0.05490	13	Industrial	SC2	\$ 24.2	S	.29744	\$ 0.17302	\$ 0.05547		22,412	239,517		261,930
Commercial Non-Heart         SG3         781.27         8 0.00679         8         9           Commercial Non-Heart         SG3         8 781.27         8 0.00679         8         8         72.188         168.738         24           Industrial         SG3         8 781.27         8 0.006450         8         8         72.188         168.738         24           Firm Transport         SC6         8 22.28         8 0.06450         8         8         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9	Commercial Non-Heat         SG3         781,27         8 0,00679         8         8         317,367         626,313           Commercial Heat         SC3         781,27         8 0,00679         8         8         317,367         626,313           Firm Transport         SC3         8 781,27         8 0,00679         8         8         721,88         168,738           Firm Transport         SC6         8         8         8         990,439         51,83,65           Small FT         SC7         8         8         8         909,439         51,83,65           Firm & Standby         SC8         8         8         8         909,439         51,83,66           NGV         SC1         8         8         8         909,439         51,83,66           NGV         SC2         8         8         8         9         9           NGV         SC2         8         8         8         9         9           NGV         SC2         8         8         8         9         9           NGV <th< td=""><td>14</td><td>Industrial MB</td><td>SC2</td><td>\$ 24.2</td><td>S</td><td>.29744</td><td>\$ 0.17302</td><td>\$ 0.05547</td><td></td><td>20,873</td><td>206,877</td><td></td><td>227,750</td></th<>	14	Industrial MB	SC2	\$ 24.2	S	.29744	\$ 0.17302	\$ 0.05547		20,873	206,877		227,750
Commercial Heat         SCS         78 12.7         8 006679         8         -         317.347         626,313         94           Industrial         SCS         5 78 12.7         8 006679         8         -         3 17.347         168,738         168,738         6,44           Firm Transport         SCS         5 78 12.7         8 0.06679         8         -         5 203,906         2.503,906         2.503,906         2.503,906         2.503,906         2.503,906         2.503,906         2.503,906         2.503,906         2.504,900         2.503,906         2.503,906         2.504,900         2.503,906         2.503,906         2.503,906         2.503,906         2.503,906         2.503,906         2.503,906         2.504,900         2.503,906         2.504,900         2.504,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900         2.506,900 <td>Commercial Heat         SC3         78127         8 0.09679         8 - 5         - 72,188         166,338           Final Indextral         SC3         8 78127         8 0.09679         8 - 5         - 72,188         166,338           Final Transport         SC3         8 722,38         8 0.06670         8 - 5         - 90,439         5,138,365           Lg Vol IT         SC6         8 - 6         8 0.01896         8 0.01896         8 0.05333         665,311         4,036,064           Small FT         SC7         8 0.0200         8 0.01896         8 0.01896         8 0.05333         665,311         4,036,064           NGV         SC12         8 0.0429         8 0.06182         8 0.05333         665,311         4,036,064           NGV         SC12         8 0.0429         8 0.05333         665,311         4,036,064           NGV         SC12         8 148,27         8 0.06042         8 0.6531         1,779         1,479           NGC-250 MB         SC12         8 148,27         8 0.06423         8 0.6531         1,779         1,670           NG 250-1000         SC12         8 148,27         8 0.06423         8 0.65         8 0.6644         9 0.66428           NG 250-1000         SC12<!--</td--><td></td><td>Commercial Non-Heat</td><td>SC3</td><td>\$ 781.2</td><td>S</td><td>62960'</td><td>. \$</td><td>· •</td><td></td><td>•</td><td>•</td><td></td><td>•</td></td>	Commercial Heat         SC3         78127         8 0.09679         8 - 5         - 72,188         166,338           Final Indextral         SC3         8 78127         8 0.09679         8 - 5         - 72,188         166,338           Final Transport         SC3         8 722,38         8 0.06670         8 - 5         - 90,439         5,138,365           Lg Vol IT         SC6         8 - 6         8 0.01896         8 0.01896         8 0.05333         665,311         4,036,064           Small FT         SC7         8 0.0200         8 0.01896         8 0.01896         8 0.05333         665,311         4,036,064           NGV         SC12         8 0.0429         8 0.06182         8 0.05333         665,311         4,036,064           NGV         SC12         8 0.0429         8 0.05333         665,311         4,036,064           NGV         SC12         8 148,27         8 0.06042         8 0.6531         1,779         1,479           NGC-250 MB         SC12         8 148,27         8 0.06423         8 0.6531         1,779         1,670           NG 250-1000         SC12         8 148,27         8 0.06423         8 0.65         8 0.6644         9 0.66428           NG 250-1000         SC12 </td <td></td> <td>Commercial Non-Heat</td> <td>SC3</td> <td>\$ 781.2</td> <td>S</td> <td>62960'</td> <td>. \$</td> <td>· •</td> <td></td> <td>•</td> <td>•</td> <td></td> <td>•</td>		Commercial Non-Heat	SC3	\$ 781.2	S	62960'	. \$	· •		•	•		•
Final partial         SCS         S 78127         S 000670         S - S - S - S - S - T2188         168,738         2.4           Final Transport         SCS         S 222.8         S 0006450         S - S - S - S - S - S - S - S - S - S -	Industrial         SC3         781.27         8 0.0450         8         -         72.188         168.738           Industrial         SC3         5 22.38         6 0.0450         8         -         7.188         168.738           Ing. Vol.17         SC6         5         -         8         -         8         -         2.503.905         8.18.36         6.028.973           Eg. Vol.17         SC7         8         361.27         8         0.06569         8         -         8         2.503.905         8.18.36         6.028.973         9.16.604         9.10.604         9         9         9.20.350         8.18.36         9.00.430         8.18.27         8.00.807         8         9         9         9         9         9.43.9         5.18.36         9           DG -250         Schol         Schol         Schol         Schol         Schol         Schol         Schol         Schol         Schol         Schol         Schol         Schol         Schol         Schol         Schol         Schol         Schol         Schol         Schol         Schol         Schol         Schol         Schol         Schol         Schol         Schol         Schol         Schol         Schol	_	Commercial Heat	SC3	\$ 781.2	S	62960'	- \$	· •		317,367	626,313		943,680
Firm Transport         Sc5         5         2.53         8.00450         8.158,365         6,144           Lg VollT         Sc6         -         8         -         8         -         8.00430         5.157           Lg VollT         Sc7         -         8         -         8         -         8         -         8         -         9.00430         8         -         9.00430         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9         9	Firm Transport         SCS         S 22.38         S 0.06450         S - S         S - G.03.905         5,138,365           Lg VollT         SCG         S - S         S - S         S - G.03333         665,311         14,036,064           Lg VollT         SCG         S - S         S - S         S - G.050,005         S - S         S - G.053,05           Firm & Standby         SCI         S - G.06000         S - S         S - G.053,05         S - G.053,05           DG -250         SCIDS         S 148.27         S 0.06042         S - S         S - G.050,04           DG -250 MB         SCIDS         S 148.27         S 0.06042         S - S         S - G.050,04           DG -250 MB         SCIDS         S 148.27         S 0.06042         S - S         S - G.07           DG -250 MB         SCIDS         S 148.27         S 0.06042         S - S         S - G.07           DG -250 MB         SCIDS         S 148.27         S 0.06042         S - S         S - G.07           DG 250-1000         SCIDS         S 146.24         S 0.06728         S - S         S - G.07           DG 250-1000         SCIDS         S 466.34         S 0.04578         S - S         S - G.07         1,670           DG 250-1000	17	Industrial	SC3	\$ 781.2	S	62960'	-	· •		72,188	168,738		240,926
Lg Vol IT         SCG         S         -         2,503,995         2,53           Deal Lg Vol IT         SCC         S         -         S,200,256         6,028,973         2,50           Firm & Standby         SCC         S         -         S         -         S         -         S,20           NGV         SCLO         S         -         S         -         S         -         S,20         9,07           NGV         SCLO         S         -         S         -         S         -         S,20         9,07         9,07           NGV         SCLO         S         -         S         -         S         -         -         S,20         9,07           DG -250         SCLO         S         -         S         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         - <td>Lg Vol IT         SCG         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         -         S         -         -         S         -         -         S         -         -         S         -         -         S         -         -         S         -         -         S         -         -         -         S         -         -         -         -         <th< td=""><td>18</td><td>Firm Transport</td><td>SC5</td><td>\$ 522.3</td><td>S</td><td>.06450</td><td>- \$</td><td>· •</td><td></td><td>990,439</td><td>5,158,365</td><td></td><td>6,148,805</td></th<></td>	Lg Vol IT         SCG         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         S         -         -         S         -         -         S         -         -         S         -         -         S         -         -         S         -         -         S         -         -         S         -         -         -         S         -         -         -         - <th< td=""><td>18</td><td>Firm Transport</td><td>SC5</td><td>\$ 522.3</td><td>S</td><td>.06450</td><td>- \$</td><td>· •</td><td></td><td>990,439</td><td>5,158,365</td><td></td><td>6,148,805</td></th<>	18	Firm Transport	SC5	\$ 522.3	S	.06450	- \$	· •		990,439	5,158,365		6,148,805
Small FT         SC7         \$ 46,127         \$ 1,01796         \$ -         \$ 3,050,256         \$ 6,028,973         9,07           FFITM & Standby         SC8         \$ 92,404         \$ 0.065696         \$ 0.06182         \$ 0.05333         66,5311         14,036,064         1,517,048         16,21           NGV         SC12-8         \$ 148,27         \$ 0.06504         \$ -         \$ -         \$ -         1,779         415         9,97           DG < 250	Small FT         SCT         3 61.27         0.11896         S         -         3,050,256         6,028,973           Firm & Sandby         SCR         5 924.04         8,00569         8,006182         8,005333         665,311         14,035,604           DG          SCLOS         8,044.04         8,006429         8         -         8,0420         9,420           DG          SCLOS         8,044.04         8,006429         8         -         8,0450         8,006429         8         -         98,420           DG          SCLOS         8,148.27         8,006429         8         -         8,0450         1,079         1,079         1,079         1,079           DG          SCLOS         8,148.27         8,006429         8         -         8         -         98,420           DG          SCLOS         8,148.27         8,006429         8         -         8         -         1,079         1,079         1,070           DG          SCLOS         8,04624         8,006429         8         -         8         -         1,070           DG          SCLOS         8,04624         8,006429         8         -         8         -	19	Lg Vol IT	SC6	\$	S		- \$	· ~		2,503,905			2,503,905
Firm & Standby         SCR         9.24.04         8.006509         8.006182         8.005333         665,311         14,036,064         1,517,048         16,21           NGV         SC10-S         1         8         -         8.00690         -         98,470         -         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         99,415         98,470         98,470         99,415         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470         98,470	Firm & Standby         SCR         9 24.04         \$ 0.06509         \$ 0.06182         \$ 0.05333         665,311         14,036,064           NGV         SCI0         -         8 0.60900         -         5         -         98,420           DG <250		Small FT	SC7	\$ 361.2	S	.11896	- \$	· •		3,050,256	6,028,973		9,079,229
NGV         SCI0         S         -         98,420         9           DG-250         SC12-S         \$ 148.27         \$ 0.06029         S         -         98,420         94,20           DG-250 MB         SC12-S         \$ 148.27         \$ 0.06729         S         -         386           DG-250 MB         SC12-S         \$ 148.27         \$ 0.06429         S         -         1,779         1,670           DG-250 MB         SC12-S         \$ 148.27         \$ 0.06429         S         -         -         1,039           DG 250-1000         SC12-S         \$ 466.54         \$ 0.04522         S         -         -         -           DG 250-1000         SC12-S         \$ 466.54         \$ 0.04522         S         -         -         -         -           DG 250-1000         SC12-S         \$ 466.54         \$ 0.04522         S         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         - <td>NGV         SCIO         S         -         6.60900         S         -         9.4420           DG &lt;250</td> SCI2-S         S         148.27         S 0.05074         S         -         -         98,420           DG <250 MB	NGV         SCIO         S         -         6.60900         S         -         9.4420           DG <250	21	Firm & Standby	SC8	\$ 924.0	S	.06569	\$ 0.06182	\$ 0.05333		665,311	14,036,064	1,517,048	16,218,423
DG 250         SCI2-S         148.27         S 0.05074         S         -         415         415           DG 250         SCI2-S         S 148.27         S 0.05074         S         -         -         386           DG 250 MB         SCI2-S         S 148.27         S 0.05074         S         -         1,779         1,1570           DG 250-1000         SCI2-S         S 148.27         S 0.05022         S         -         -         1,039           DG 250-1000         SCI2-S         S 466.54         S 0.05728         S         -         -         -         -           DG 250-1000         SCI2-S         S 466.54         S 0.05728         S         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	DG <250         SC12-S         \$ 148.27         \$ 0.05074         \$ -         \$ -         1,779         415           DG <250	22	NGV	SC10	\$	0 \$	00609	- ~	· ~		1	98,420		98,420
DG 250         SC12-S         1 48.27         5 0.06429         S         -         386           DG 250 MB         SC12-S         S 148.27         5 0.06429         S         -         1,779         1,670           DG 250 MB         SC12-S         S 148.27         5 0.06429         S         -         -         1,039           DG 250-1000         SC12-S         S 466.54         5 0.04522         S         -         -         -           DG 250-1000         SC12-S         S 466.54         5 0.04522         S         -         -         -         -           DG 250-1000 MB         SC12-S         S 466.54         5 0.04216         5 0.3615         S         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         - <td>DG &lt;250         SC12-S         \$ 148.27         \$ 0.06429         \$ -         \$ -         \$ -         386           DG &lt;250 MB</td> SC12-S         \$ 148.27         \$ 0.06742         \$ -         \$ -         1,779         1,670           DG <250 MB	DG <250         SC12-S         \$ 148.27         \$ 0.06429         \$ -         \$ -         \$ -         386           DG <250 MB	23	DG <250	SC12-S	\$ 148.2	S	.05074	- 8	· \$		1,779	415		2,194
DG <250 MB         SC12-S         S 148.27         S 0.06074         S - S         - 1,779         1,670           DG <250 MB	DG <250 MB SC12-S S 148.27 S 0.05074 S - S - I,779 I,670 DG <250 MB SC12-S S 148.27 S 0.06429 S - S - I,039 DG <250 MB SC12-S S 466.54 S 0.04522 S - S - I,039 DG 250-1000 MB SC12-S S 466.54 S 0.05728 S - S - I,039 DG 250-1000 MB SC12-L S 1,401.27 S 0.04216 S 0.03615 S - I,030 DG 1M-2.5M MB SC12-L S 1,401.27 S 0.04216 S 0.03615 S - I,030 DG 1M-2.5M MB SC12-L S 1,401.27 S 0.04216 S 0.04578 S - I,030 DG 25.5M MB SC12-L S 1,401.27 S 0.04578 S - I I,038 DG 25.5M MB SC12-L S 1,401.27 S 0.004216 S 0.04578 S - I I,038 DG 25.5M MB SC12-L S 1,401.27 S 0.00457 S - I I,038 DG 25.5M MB SC12-L S 1,401.27 S 0.00457 S - I I,038 DG >2.5M MB SC12-L S 1,401.27 S 0.00457 S - I I,038 DG >2.5M MB SC12-L S 1,401.27 S 0.00457 S - I I,038 DG >2.5M MB SC12-L S 1,401.27 S 0.00457 S - I I,038 DG >2.5M MB SC12-L S 1,401.27 S 0.00457 S - I I,038 DG >2.5M MB SC12-L S 1,401.27 S 0.00457 S - I I,038 DG >2.5M MB SC12-L S 1,401.27 S 0.00457 S - I I,048 DG >2.5M MB SC12-L S 1,401.27 S 0.00457 S - I I,048 DG >2.5M MB SC12-L S 1,401.27 S 0.00457 S - I I,048 DG >2.5M MB SC12-L S 1,401.27 S 0.00457 S - I I,048 DG >2.5M MB SC12-L S 1,401.27 S 0.00457 S - I I,048 DG >2.5M MB SC12-L S 1,401.27 S 0.00457 S - I I,048 DG >2.5M MB SC12-L S 1,401.27 S 0.00457 S - I I,048 DG >2.5M MB SC12-L S 1,401.27 S 0.00457 S - I I,048 DG >2.5M MB SC12-L S 1,401.27 S 0.00454 S - I I,048 DG >2.5M MB SC12-L S 1,401.27 S 0.00454 S - I I,048 DG >2.5M MB SC12-L S 1,401.27 S 0.00454 S - I I,048 DG >2.5M MB SC12-L S 1,401.27 S 0.00454 S - I I,048 DG >2.5M MB SC12-L S 1,401.27 S 0.00454 S - I I,048 DG >2.5M MB SC12-L S 1,401.27 S 0.00454 S - I I,048 DG >2.5M MB SC12-L S 1,401.27 S 0.00454 S - I I,048 DG >2.5M MB SC12-L S 1,401.27 S 0.00454 S - I I,048 DG >2.5M MB SC12-L S 1,401.27 S 0.00454 S - I I,048 DG >2.5M MB SC12-L S 1,401.27 S 0.00454 S - I I,048 DG >2.5M MB SC12-L S 1,401.27 S 0.00454 S - I I,048 DG >2.5M MB SC12-L S 1,401.27 S 0.00454 S - I I,048 DG >2.5M MB SC12-L S 1,401.27 S 0.00454 S - I I,048 DG >2.5M MB SC12-L S 1,401.27 S 0.00454 S - I I,048 DG >2.5M MB SC12-L S 1	24	DG <250	SC12-S	\$ 148.2	8	.06429	- 8	- \$		ı	386		386
DG <250 MB         SC12-S         \$ 148.27         \$ 0.06429         \$ -         -         1,039           DG 250-1000         SC12-S         \$ 46.54         \$ 0.06422         \$ -         \$ -         -         -         -           DG 250-1000 MB         SC12-S         \$ 46.54         \$ 0.06728         \$ -         \$ -         -         -           DG 250-1000 MB         SC12-S         \$ 46.54         \$ 0.04522         \$ -         \$ -         -         -           DG 250-1000 MB         SC12-S         \$ 46.54         \$ 0.04528         \$ -         \$ -         -         -         -           DG 250-1000 MB         SC12-L         \$ 1,401.27         \$ 0.04578         \$ -         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         - </td <td>DG &lt;250 MB         SCI2-S         \$ 148.27         \$ 0.06429         \$ -         \$ -         -         1,039           DG 250-1000         SCI2-S         \$ 466.54         \$ 0.04522         \$ -         \$ -         -         -         -           DG 250-1000         SCI2-S         \$ 466.54         \$ 0.04528         \$ -         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         <td< td=""><td>25</td><td>DG &lt;250 MB</td><td>SC12-S</td><td>\$ 148.2</td><td>8</td><td>.05074</td><td>- 8</td><td>- \$</td><td></td><td>1,779</td><td>1,670</td><td></td><td>3,449</td></td<></td>	DG <250 MB         SCI2-S         \$ 148.27         \$ 0.06429         \$ -         \$ -         -         1,039           DG 250-1000         SCI2-S         \$ 466.54         \$ 0.04522         \$ -         \$ -         -         -         -           DG 250-1000         SCI2-S         \$ 466.54         \$ 0.04528         \$ -         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         - <td< td=""><td>25</td><td>DG &lt;250 MB</td><td>SC12-S</td><td>\$ 148.2</td><td>8</td><td>.05074</td><td>- 8</td><td>- \$</td><td></td><td>1,779</td><td>1,670</td><td></td><td>3,449</td></td<>	25	DG <250 MB	SC12-S	\$ 148.2	8	.05074	- 8	- \$		1,779	1,670		3,449
DG 250-1000         SCI2-S         \$ 466.54         \$ 0.04522         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	DG 250-1000         SCI2-S         \$ 466.54         \$ 0.04522         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	. 92	DG <250 MB	SC12-S	\$ 148.2	S	.06429	- 8	-		1	1,039		1,039
DG 250-1000         SC12-S         \$ 466.54         \$ 0.05728         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	DG 250-1000         SC12-S         \$ 466.54         \$ 0.05728         \$ -         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	27	DG 250-1000	SC12-S	\$ 466.5	S	.04522	- \$	· •		1			•
DG 250-1000 MB         SC12-S         \$ 466.54         \$ 0.04522         \$ -         \$ -         39,189         13,808           DG 250-1000 MB         SC12-L         \$ 1,401.27         \$ 0.05728         -         -         13,904         13,808           DG 1M-2.5M         SC12-L         \$ 1,401.27         \$ 0.04516         \$ 0.053615         -         -         -         -           DG 1M-2.5M         SC12-L         \$ 1,401.27         \$ 0.04578         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	DG 250-1000 MB         SCI2-S         4 66.54         \$ 0.04522         \$ -         \$ -         39,189         13,808           DG 250-1000 MB         SCI2-S         \$ 466.54         \$ 0.04516         \$ -         \$ -         -         13,904           DG 1M-2.5M         SCI2-L         \$ 1,401.27         \$ 0.04216         \$ 0.0340         \$ -         -         -         -           DG 1M-2.5M         SCI2-L         \$ 1,401.27         \$ 0.04578         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         13,904         -         -         -         -         13,904         -         -         -         -         13,904         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         - <td>28</td> <td>DG 250-1000</td> <td>SC12-S</td> <td>\$ 466.5</td> <td>S</td> <td>.05728</td> <td>· •</td> <td>· ~</td> <td></td> <td>1</td> <td>1</td> <td></td> <td>1</td>	28	DG 250-1000	SC12-S	\$ 466.5	S	.05728	· •	· ~		1	1		1
DG 250-1000 MB         SC12-S         \$ 466.54         \$ 10,03728         \$ -         \$ -         13,904           DG 1M-2.5M         SC12-L         \$ 1,401.27         \$ 0.03416         \$ 0.03615         \$ -         -         -           DG 1M-2.5M         SC12-L         \$ 1,401.27         \$ 0.03416         \$ 0.03615         \$ -         -         -           DG 1M-2.5M MB         SC12-L         \$ 1,401.27         \$ 0.03416         \$ 0.03540         \$ 0.04578         \$ -         -         -           DG 1M-2.5M MB         SC12-L         \$ 1,401.27         \$ 0.03416         \$ -         \$ -         -         101,574           DG >2.5M         SC12-L         \$ 1,401.27         \$ 0.00845         \$ -         \$ -         -         -         -           DG >2.5M         SC12-L         \$ 1,401.27         \$ 0.00845         \$ -         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	DG 15.0-1000 MB         SC12-S         \$ 46.54         \$ 0.05728         \$ -         \$ -         -         13,904           DG 1M-2.5M         SC12-L         \$ 1,401.27         \$ 0.04216         \$ 0.0340         \$ -         -         -         -           DG 1M-2.5M         SC12-L         \$ 1,401.27         \$ 0.04216         \$ 0.04578         \$ -         -         -         -           DG 1M-2.5M MB         SC12-L         \$ 1,401.27         \$ 0.04216         \$ 0.04578         \$ -         -         50,446         116,388           DG 1M-2.5M MB         SC12-L         \$ 1,401.27         \$ 0.04578         \$ -         \$ -         -         101,574           DG >2.5M         SC12-L         \$ 1,401.27         \$ 0.00845         \$ -         \$ -         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         - <td< td=""><td>29</td><td>DG 250-1000 MB</td><td>SC12-S</td><td>\$ 466.5</td><td>S</td><td>.04522</td><td>· •</td><td>· ~</td><td></td><td>39,189</td><td>13,808</td><td></td><td>52,997</td></td<>	29	DG 250-1000 MB	SC12-S	\$ 466.5	S	.04522	· •	· ~		39,189	13,808		52,997
DG IM-2.5M         SCI2-L         \$ 1,401.27         \$ 0.04216         \$ 0.03415         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	DG IM-2.5M         SCI2-L         \$ 1,401.27         \$ 0.04216         \$ 0.03615         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	30	DG 250-1000 MB	SC12-S	\$ 466.5	S	.05728	- ~	· •		1	13,904		13,904
DG 1M-2.5M         SC12-L         \$ 1,401.27         \$ 0.05340         \$ 0.04578         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	DG 1M-2.5M         SC12-L         \$ 1,401.27         \$ 0.05340         \$ 0.04578         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	31	DG 1M-2.5M	SC12-L	\$ 1,401.2	S	.04216	\$ 0.03615	· ~		1	1		1
DG 1M-2.5M MB         SC12-L         \$ 1,401.27         \$ 0.04216         \$ 0.03615         \$ -         50,446         116,388           DG 1M-2.5M MB         SC12-L         \$ 1,401.27         \$ 0.05340         \$ 0.04578         \$ -         -         101,574           DG >2.5M         SC12-L         \$ 1,401.27         \$ 0.00845         \$ -         \$ -         -         -           DG >2.5M         SC12-L         \$ 1,401.27         \$ 0.0071         \$ -         \$ -         -         -           DG >2.5M         SC12-L         \$ 1,401.27         \$ 0.0071         \$ -         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         <	DG IM-2.5M MB         SCI2-L         \$ 1,401.27         \$ 0.04216         \$ 0.03615         \$ -         50,446         116,388           DG IM-2.5M MB         SCI2-L         \$ 1,401.27         \$ 0.05340         \$ 0.04578         \$ -         -         -         101,574           DG >2.5M         SCI2-L         \$ 1,401.27         \$ 0.00845         \$ -         \$ -         -         -         -           DG >2.5M         SCI2-L         \$ 1,401.27         \$ 0.0071         \$ -         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	32	DG 1M-2.5M	SC12-L	\$ 1,401.2	S	.05340	\$ 0.04578	· •		1	•		•
DG 1M-2.5M MB         SC12-L         \$ 1,401.27         \$ 0.05340         \$ 0.04578         \$ -         101,574           DG >2.5M         SC12-L         \$ 1,401.27         \$ 0.00845         \$ -         -         -         -           DG >2.5M         SC12-L         \$ 1,401.27         \$ 0.01071         \$ -         -         -         -           DG >2.5M         SC12-L         \$ 1,401.27         \$ 0.01071         \$ -         \$ -         -         -           DG >2.5M MB         SC12-L         \$ 1,401.27         \$ 0.01071         \$ -         \$ -         46,363         406,195           DG >2.5M MB         SC12-L         \$ 1,401.27         \$ 0.01071         \$ -         \$ -         46,363         406,195           DG Sales         SC13         \$ 27,56         \$ 0.03914         \$ -         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	DG 1M-2.5M MB         SC12-L         \$ 1,401.27         \$ 0.05340         \$ 0.04578         \$ -         -         101,574           DG >2.5M         SC12-L         \$ 1,401.27         \$ 0.00845         \$ -         \$ -         -         -         -           DG >2.5M         SC12-L         \$ 1,401.27         \$ 0.0071         \$ -         \$ -         -         -         -           DG >2.5M         SC12-L         \$ 1,401.27         \$ 0.01071         \$ -         \$ -         33,630         39,532           DG >2.5M         MB         SC12-L         \$ 1,401.27         \$ 0.01071         \$ -         \$ -         -         46,363           DG Sales         SC13-L         \$ 1,401.27         \$ 0.01071         \$ -         \$ -         -         46,363           DG Sales         SC13-R         \$ 0.03914         \$ -         \$ -         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	33	DG 1M-2.5M MB	SC12-L	\$ 1,401.2	S	.04216	\$ 0.03615	· •		50,446	116,388		166,834
DG > 2.5M         SC12-L         \$ 1,401.27         \$ 0.00845         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	DG > 2.5M         SC12-L         \$ 1,401.27         \$ 0.00845         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	34	DG 1M-2.5M MB	SC12-L	\$ 1,401.2	\$	.05340	\$ 0.04578	· ~		1	101,574		101,574
DG > 2.5M         SC12-L         \$ 1,401.27         \$ 0.01071         \$ -         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	DG > 2.5M         SC12-L         \$ 1,401.27         \$ 0.01071         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	35	DG >2.5M	SC12-L	\$ 1,401.2	\$	.00845	· \$	· ~		•	•		•
DG > 2.5M MB         SC12-L         \$ 1,401.27         \$ 0.00845         \$ -         \$ -         33,630         39,532           DG > 2.5M MB         SC12-L         \$ 1,401.27         \$ 0.01071         \$ -         \$ -         46,363         406,195           DG Sales         SC13         \$ 27,56         \$ 0.03914         \$ -         \$ -         992         137           DG Sales MB         SC13         \$ 27,56         \$ 0.03914         \$ -         \$ -         -         -           Electric Generation         SC14         \$ -         \$ -         \$ -         -         -         -           NYSEG         NYSEG         \$ 810.07         \$ 0.03228         \$ -         \$ -         \$ 0.50974         9,721         92,942         183,506           Special Contract         SC9         Sunding         Round         3,864,072         3,864,072         3	DG > 2.5M MB         SC12-L         \$ 1,401.27         \$ 0.00845         \$ -         \$ -         \$ -         33,630         39,532           DG > 2.5M MB         SC12-L         \$ 1,401.27         \$ 0.01071         \$ -         \$ -         46,363           DG Sales         SC13         \$ 27.56         \$ 0.03914         \$ -         \$ -         992         137           DG Sales MB         SC13         \$ 27.56         \$ 0.03914         \$ -         \$ -         -         -         -           Electric Generation         SC14         \$ -         \$ -         \$ -         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         46,363         137           DG Sales MB         SC14         \$ -         \$ -         \$ -         \$ -         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         - <td>36</td> <td>DG &gt;2.5M</td> <td>SC12-L</td> <td>\$ 1,401.2</td> <td>\$</td> <td>.01071</td> <td>. \$</td> <td>· •</td> <td></td> <td>•</td> <td>•</td> <td></td> <td>•</td>	36	DG >2.5M	SC12-L	\$ 1,401.2	\$	.01071	. \$	· •		•	•		•
DG >2.5M MB         SC12-L         \$ 1,401.27         \$ 0.01071         \$ -         \$ -         46,363         406,195           DG Sales         SC13         \$ 27.56         \$ 0.03914         \$ -         \$ -         992         137           DG Sales MB         SC13         \$ 27.56         \$ 0.03914         \$ -         \$ -         -         -           Electric Generation         SC14         \$ -         \$ -         \$ -         -         -         -           NYSEG         NYSEG         \$ 810.07         \$ 0.03228         \$ -         \$ -         \$ 0.50974         9,721         92,942         183,506           Special Contract         SC9         Sconding         Round         3,864,072         3,864,072         3,864,072         3,864,072	DG >2.5M MB         SC12-L         \$ 1,401.27         \$ 0.01071         \$ -         \$ -         \$ -         46,363           DG Sales         SC13         \$ 27.56         \$ 0.03914         \$ -         \$ -         992         137           DG Sales MB         SC13         \$ 27.56         \$ 0.03914         \$ -         \$ -         -         -           Electric Generation         SC14         \$ -         \$ -         \$ -         \$ -         -         -           NYSEG         NYSEG         \$ 810.07         \$ 0.03228         \$ -         \$ -         \$ 0.50974         9,721         92,942           Special Contract         SC9         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0         SC0	37	DG >2.5M MB	SC12-L	\$ 1,401.2	\$	.00845	· •	· •		33,630	39,532		73,162
DG Sales         SC13         \$ 27.56         \$ 0.03914         \$ - \$ - \$ - \$         992         137           DG Sales MB         SC13         \$ 27.56         \$ 0.03914         \$ - \$ - \$ - \$	DG Sales         SC13         \$ 27.56         \$ 0.03914         \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	38	DG >2.5M MB	SC12-L	\$ 1,401.2	\$	.01071	· •	· \$		1	46,363	406,195	452,558
DG Sales MB         SC13         \$ 27.56         \$ 0.03914         \$ -         \$ -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         <	DG Sales MB         SC13         \$ 27.56         \$ 0.03914         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -         \$ -	39	DG Sales	SC13		8	.03914	· •	· \$		992	137		1,129
Electric Generation         SC14         \$         -         \$         -         \$         -         \$         13,088,293         13,           NYSEG         NYSEG         \$         -         \$         -         \$         -         \$         -         \$         -         \$         13,088,293         13,         13,083,506         13,083,506         13,083,506         13,083,506         13,083,506         13,083,506         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072         14,072	Electric Generation         SC14         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -         \$         -	40	DG Sales MB	SC13		S	.03914	· •	· \$		1	ı		1
NYSEG NYSEG \$ 810.07 \$ 0.03228 \$ - \$ - \$ 0.50974 9,721 92,942 183,506 Special Contract SC9 3,804,072 Rounding	NYSEG NYSEG \$ 810.07 \$ 0.03228 \$ - \$ - \$ 0.50974 9,721 92,942 Special Contract SC9 Rounding Round Special Contract SC9 Rounding Round Special Contract SC9 Rounding Round Special Contract SC9 Rounding Round	14	Electric Generation	SC14	€	S	ı	. \$	· •		13,088,293			13,088,293
Special Contract SC9 3,864,072 Rounding Round	Special Contract         SC9         3,864,072           Rounding         Round         178,477,941         167,835,500	42	NYSEG	NYSEG	\$ 810.0	S	.03228	- 8	· •	\$ 0.50974	9,721	92,942	183,506	286,169
Rounding	Rounding Round Round 178,477,941 167,835,500	43	Special Contract	SC9							3,864,072			3,864,072
	178,477,941 167,835,500		Rounding	Round										

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Rate Year 1 Current and Proposed Rates

				Poto Voo	to Voor 1 Pronocod Potos	od Dotos				Proposed Dates Devenue	tos Dovonno		
Line	Description	SC	Block 1	Block 2	Block 3	Block 4	Demand	Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Total
-	Residential Non-Heat	SCI	\$ 20.35	\$ 0.46835	\$ 0.07763	- 8		6,310,959	1,278,321	84,951	1		7,674,231
2	Residential Non-Heat MB	SC1		S	\$ 0.07763	· ~		721,252	161,365	8,324	•		890,941
3	Residential Heat	SCI	\$ 20.35	\$ 0.46835	\$ 0.07763			111,503,507	79,044,830	19,437,178	1		209,985,515
4	Residential Heat MB	SCI	\$ 20.35	S	\$ 0.07763			21,516,086	15,856,795	4,182,209	1		41,555,090
S	Residential Non-Heat	SC2	\$ 24.27	\$ 0.32039	\$ 0.18637	\$ 0.05975		32,386	3,663	•	0		36,049
9	Residential Non-Heat MB	SC2	\$ 24.27	\$ 0.32039	\$ 0.18637	\$ 0.05975		3,641	169		0		4,337
7	Residential Heat	SC2	\$ 24.27	\$ 0.32039	\$ 0.18637	\$ 0.05975		434,980	411,593	115,589	3,556		965,718
∞	Residential Heat MB	SC2	\$ 24.27	\$ 0.32039	\$ 0.18637	\$ 0.05975		89,325	149,515	98,100	1,342		338,283
6	Commercial Non-Heat	SC2	\$ 24.27	\$ 0.32039	\$ 0.18637	\$ 0.05975		370,102	364,718	277,232	40,606		1,052,659
10	Commercial Non-Heat MB	SC2	\$ 24.27	\$ 0.32039	\$ 0.18637	\$ 0.05975		210,549	339,361	335,034	7,487		892,431
Ξ	Commercial Heat	SC2	\$ 24.27	\$ 0.32039	\$ 0.18637	\$ 0.05975		8,023,677	11,556,168	9,890,204	810,290		30,280,338
12	Commercial Heat MB	SC2	\$ 24.27	\$ 0.32039	\$ 0.18637	\$ 0.05975		4,528,823	8,474,644	11,880,273	592,146		25,475,885
13	Industrial	SC2	\$ 24.27	\$ 0.32039	\$ 0.18637	\$ 0.05975		22,412	52,419	188,316	17,264		280,410
14	Industrial MB	SC2	\$ 24.27	\$ 0.32039	\$ 0.18637	\$ 0.05975		20,873	49,552	153,760	19,528		243,713
15	Commercial Non-Heat	SC3	\$ 781.27	\$ 0.10007	· •			•	•		1		
16	Commercial Heat	SC3	\$ 781.27	\$ 0.10007	· \$	· *		317,367	647,537	•	•		964,904
17	Industrial	SC3	\$ 781.27	\$ 0.10007	· •			72,188	174,456		1		246,645
18		SC5	\$ 554.83	\$ 0.07384	· ·			1,051,958	5,905,329	1	,		6,957,286
19		SC6								,	,	2,503,905	2,503,905
20		SC7	\$ 361.27	\$ 0.13491	· ·			3,050,256	6,837,330	,	,		9,887,586
21	Firm & Standby	SC8	\$ 1,039.54	\$ 0.07508	\$ 0.07066	\$ 0.06096		748,469	4,340,982	6,158,894	5,543,457	1,517,048	18,308,849
22	NGV	SC10	· s	\$ 0.60900	· ·			1	98,420	1	,		98,420
23	DG <250	SC12-S	\$ 148.27	\$ 0.05074	· s			1,779	415	,	,		2,194
24	DG <250	SC12-S	\$ 148.27	\$ 0.06429				•	386	•	,		386
25	DG <250 MB	SC12-S	\$ 148.27	\$ 0.05074	· \$	· •		1,779	1,670	1	1		3,449
26	DG <250 MB	SC12-S	\$ 148.27	\$ 0.06429	· \$	·		•	1,039	•	•		1,039
27	DG 250-1000	SC12-S	\$ 466.54	\$ 0.04522	· \$	· •		•	•	•	•		
28	DG 250-1000	SC12-S	\$ 466.54	\$ 0.05728	· \$			•	•	•	•		
29	DG 250-1000 MB	SC12-S	\$ 466.54	\$ 0.04522	· •	· •		39,189	13,808	•	•		52,997
30	DG 250-1000 MB	SC12-S		\$ 0.05728	· \$	· •		•	13,904	1	1		13,904
31	DG 1M-2.5M	SC12-L	\$ 1,401.27	\$ 0.04216	\$ 0.03615			•	•		1		
32	DG 1M-2.5M	SC12-L	\$ 1,401.27	\$ 0.05340	\$ 0.04578	· •		•	1	1	•		1
33	DG 1M-2.5M MB	SC12-L	\$ 1,401.27	\$ 0.04216	\$ 0.03615			50,446	116,388	•	•		166,834
34	DG 1M-2.5M MB	SC12-L	\$ 1,401.27	\$ 0.05340	\$ 0.04578			•	101,574		1		101,574
35	DG >2.5M	SC12-L	\$ 1,401.27	\$ 0.00845	· \$	· •		•	•	•	•		
36	DG >2.5M	SC12-L	\$ 1,401.27	\$ 0.01071	· •	· •		•	1	•	1		1
37	DG >2.5M MB	SC12-L	\$ 1,401.27	\$ 0.00845		· s	0.86534	33,630	39,532	•	•		73,162
38	DG >2.5M MB	SC12-L	\$ 1,401.27	\$ 0.01071	· •	· •	0.86534	•	46,363	1	1	406,195	452,558
39	DG Sales	SC13		\$ 0.03914	· •			992	137	1	•		1,129
40	DG Sales MB	SC13	\$ 27.56	\$ 0.03914	· •			1	•	1	•		1
41	Electric Generation	SC14								1	•	13,088,293	13,088,293
42	NYSEG	NYSEG	\$ 897.50	\$ 0.03576	- ~	· •	\$ 0.56476	10,770	102,961	1		203,314	317,045
43	Special Contract	SC9						,	,	,	,	3,864,072	3,864,072
44	Rounding	Round											
45								159,167,397	136,185,871	52,810,062	7,035,675	21,582,827	376,781,833

Case 17-G-0239
Appendix 3
Schedule 4.2A
Page 1 of 4

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Calculation of Proposed Rates- Year 2

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Customer D Charge C 141,211,772 13,815,075 3,764,722 831,622 1,113,502 - 3,064,722 831,622 1 42,748 - 42,748 - 10,907 3 - 10,907 3		totrates_Lvt1r2	7/11										
Rate         SC         Block I         Block 2         Block 3         Block 4         Demand         Block 2 dth         Target         Chaspe         C           SC1         SC)         \$ 20.35         \$ 0.356161         \$ 0.09309         \$ 0.00678         \$ 289.547.602         141.211.772         Charge         C           SC2         \$ 24.27         \$ 0.35808         \$ 0.20830         \$ 0.00678         \$ 828.292         1.431.394         1371.320           SC5         \$ 54.27         \$ 0.15126         \$ 0.00721         \$ 0.00661         \$ 238.90,170         2.530,339         1.41.211.772           SC6         \$ 55.48.83         \$ 0.08724         \$ 0.07721         \$ 0.06661         \$ 238.90,170         20.239,944         \$ 311,350           SC7         \$ 1,039.54         \$ 0.05724         \$ 0.06678         \$ 0.06679         \$ 23.890,170         20.239,944         \$ 31,627         \$ 1.00.907           SC12-S1         \$ 51.039.54         \$ 0.05724         \$ 0.06721         \$ 0.06661         \$ 33.890,170         20.239,944         \$ 31,627         \$ 1.00.907           SC12-S1         \$ 148.27         \$ 0.05724         \$ 0.05724         \$ 0.06529         \$ 0.0529,944         \$ 31,627         \$ 0.0529,944         \$ 31,627         \$ 0.052					Rate Year		e Surcredit		•		Rate Year 2 R:	ates Revenue	
SC1         SC1         SC1         SC1         SC1         SC1         SC2         SC3         S 0.06678         S 0.06678         SC495798         13,815,075           SC3         SC3         S         742,3         S 0.08072         S 0.06678         S 0.06678         SC495798         13,815,075           SC3         SC3         S         741,394         S 0.08072         S 0.08072         S 0.08072         S 0.06661         S 23,890,170         20,530,339         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,222         S 0.064,232         S 0.064,232         S 0.064,232         S 0.064,232         S 0.064,232         S 0.064,232         S 0.064,232         S 0.064,232         S 0.064,232         S 0.064,232         S 0.064,232         S 0.064,232	Line		SC	Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 2 dth	Target	Customer Charge	Demand Charge	Volumetric
SCZ         SCZ         S 24.27         S 0.38808         S 0.20830         S 0.06678         828,292         1,341,394         13,815,075           SCZ         SCZ         S 554,83         S 0.08072         S 0.14432         S 0.08072         1,341,394         177,952           SCZ         SCZ         S 554,83         S 0.08072         S 0.08074         S 0.07721         S 0.06661         23,890,170         20,259,944         11,13,502         1           SCT         SCZ         S 1,039,54         S 0.08004         S 0.07721         S 0.06661         23,890,170         20,259,944         831,622         1           SCH2-SIW         SCI2-SI         S 1,039,54         S 0.08004         S 0.06629         S 0.06671         S 0.06671         S 0.06672         S 0.06478         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672         S 0.06672	-	SC1	SC1	\$ 20.35		\$ 0.09309				289,547,602	141,211,772	1	148,335,829
SC3         SC3         S 554.83         S 0.11432         S 0.11432         S 0.11432         S 77,952         1341,394         377,952           SC5         SC5         S 554.83         S 0.08072         S 0.08072         S 0.08072         S 0.08073         S 0.05344         1,113,502         2 2,33,339         1,113,502         S 0.53,339         S 0.64,722         S 0.64,722         S 0.064,722         S 0.08074         S 0.08074         S 0.08074         S 0.06661         S 0.25890,170         20,259,944         S 3,064,722         S 0.64,722         S 0.0649         S 0.06661         S 0.0590,170         20,259,944         S 3,064,722         S 0.064,022         S 0.064,022         S 0.064,022         S 0.0661         S 0.0590,170         20,259,944         S 3,064,722         S 0.05204         S 0.046,022         S 0.064,022         S 0.064,022         S 0.064,022         S 0.064,022         S 0.064,022         S 0.0661         S 0.05204         S 0.064,022         S 0.0661         S 0.05265         S 0.064,022         S 0.0661         S 0.0661         S 0.0661         S 0.0661         S 0.0661         S 0.0661         S 0.0661         S 0.0661         S 0.0661         S 0.0661         S 0.0661         S 0.0661         S 0.0661         S 0.0661         S 0.0661         S 0.0661         S 0.0661         S 0.0661<	7	SC2	SC2	\$ 24.27		\$ 0.20830	\$ 0.06678			66,495,798	13,815,075	1	52,680,723
SC5         SC5         \$ 554.83         \$ 0.08072         \$ 2,530,339         -         2,530,339         -         2,530,339         -         2,530,339         -         2,530,339         -         2,530,339         -         2,530,339         -         2,530,339         -         -         2,530,339         -         -         2,530,339         -         -         2,530,339         -         -         2,530,339         -         -         2,530,4722         3,064,722         -         2,530,4722         100,907         -         -         2,530,4722         100,907         -         -         2,530,4722         100,907         -         -         2,538,90,170         20,259,944         831,622         1         -         -         2,538,90,170         20,259,944         831,622         1         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	$\varepsilon$	SC3	SC3	\$ 781.27					828,292	1,341,394	377,952	ı	963,442
SCG         SCG         SCG         C.530,339         -         2           SCT         SCT         \$ 36127         \$ 0.08204         \$ 0.07721         \$ 0.06661         23,890,170         20,259,944         \$ 3064,722         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	4	SC5	SC5	\$ 554.83						7,673,444	1,113,502		6,559,942
SC7         SC7         S 361.27         S 0.15126         11,028,473         3,064,722         1           SC8         SC8         S 1,039.54         S 0.08204         S 0.06900         S 0.06901         23,890,170         20,259,944         831,622         1           SC12-S1         SC12-S1         S 0.60900         S 0.06724         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06429         S 0.06661         S 0.06661         S 0.06661         S 0.06661         S 0.06661         S 0.06661         S 0.06661         S 0.06661         S 0.06661         S 0.06661         S 0.06661         S 0.06661         S 0	S	SC6	SC6							2,530,339	•	2,530,339	•
SCR         SCR         \$ 1,039.54         \$ 0.07721         \$ 0.06661         23,890,170         20,259,944         \$ 831,622         1           SC10         SCI0         \$ 0.60900         \$ 0.06724         \$ 0.06724         \$ 0.06724         \$ 0.06907         -           SC12-S1W         \$ 148.27         \$ 0.06429         \$ 0.06429         \$ 466.54         \$ 0.06429         \$ 78,247         42,748           SC12-S2W         \$ 466.54         \$ 0.06728         \$ 0.06528         \$ 84,076         \$ 805,265         84,076           SC12-L1W         \$ 1,401.27         \$ 0.06349         \$ 0.04578         \$ 0.86534         \$ 0.86534         \$ 0.86534         \$ 0.86534           SC12-L2W         \$ 1,401.27         \$ 0.00345         \$ 0.86534         \$ 0.86534         \$ 0.86534         \$ 0.86534         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.96536         \$ 0.9	9	SC7	SC7							11,028,473	3,064,722	•	7,963,751
SCI0         SCI0         \$ 0.60900         100,907         -           SCI2-SI         \$ 148.27         \$ 0.05074         78,247         42,748           SCI2-SIW         \$ 148.27         \$ 0.06429         78,247         42,748           SCI2-SSW         \$ 466.54         \$ 0.04528         8 0.03615         8 0.03615           SCI2-LIW         \$ 1,401.27         \$ 0.04578         8 0.04578         8 0.86534           SCI2-LIW         \$ 1,401.27         \$ 0.00845         \$ 0.06534         \$ 0.86534           SCI2-LZW         \$ 1,401.27         \$ 0.01071         \$ 0.86534         \$ 0.86534           SCI2-LZW         \$ 1,401.27         \$ 0.01071         \$ 0.86534         \$ 0.86534           SCI2-LZW         \$ 1,401.27         \$ 0.01071         \$ 0.86534         \$ 0.86534           SCI2-LZW         \$ 1,401.27         \$ 0.01071         \$ 0.86534         \$ 0.86534           SCI2-LZW         \$ 1,401.27         \$ 0.03914         \$ 0.86534         \$ 0.86534           SCI2-LZW         \$ 1,401.27         \$ 0.03632         \$ 0.86534         \$ 0.86534           SCI2-LZW         \$ 1,401.27         \$ 0.03632         \$ 0.86534         \$ 0.86534           SCI2-LZW         \$ 1,401.27         \$ 0.03	7	SC8	SC8	\$ 1,039.5		\$ 0.07721	\$ 0.06661		23,890,170	20,259,944	831,622	1,517,048	17,911,275
SC12-S1         SC12-S         \$ 148.27         \$ 0.05074         42,748           SC12-S1W         \$ 148.27         \$ 0.06429         \$ 6.0452           SC12-S2W         \$ 466.54         \$ 0.04522         \$ 84,076           SC12-L2         \$ 1,401.27         \$ 0.04216         \$ 0.03615           SC12-L1         \$ 1,401.27         \$ 0.04578         \$ 0.86534           SC12-L2         \$ 1,401.27         \$ 0.01071         \$ 0.86534           SC12-L2W         \$ 1,401.27         \$ 0.01071         \$ 0.86534           SC13-L2W         \$ 1,401.27         \$ 0.01071         \$ 0.86534           SC13-L2W         \$ 1,401.27         \$ 0.01071         \$ 0.86534           SC13-L2W         \$ 1,401.27         \$ 0.01071         \$ 0.86534           SC13-R2W         \$ 1,401.27         \$ 0.01071         \$ 0.86534           SC14-R2W         \$ 0.03632         \$ 0.86534         1,129 0,150           SC14-R2W         \$ 897.50         \$ 0.03632         \$ 0.87355           SC2         \$ 80         \$ 0.86534         \$ 0.87355           SC3-R114         10,907         \$ 0.873149         10,907           SC9         \$ 80         \$ 0.873348         \$ 1	∞	SC10	SC10		\$ 0.60900					100,907	•	1	100,907
SC12-S1         SC12-S1 SC12-S1 W         SC12-S1 SC12-S1 W         T8,247         42,748           SC12-S1 W         \$ 148.27 \$ 0.06429         \$ 0.06429         \$ 0.04522         \$ 0.04522           SC12-S2 W         \$ 466.54 \$ 0.05728         \$ 0.04578         \$ 0.03615         \$ 84,076           SC12-L1 SC12-L1 W         \$ 1,401.27 \$ 0.06845         \$ 0.04578         \$ 0.86534         \$ 0.86534           SC12-L2 SC12-L2 W         \$ 1,401.27 \$ 0.00845         \$ 0.01071         \$ 0.86534         \$ 0.86534           SC12-L2 W         \$ 1,401.27 \$ 0.01071         \$ 0.03914         \$ 0.86534         \$ 0.86534           SC13-L2 W         \$ 1,401.27 \$ 0.03914         \$ 0.86534         \$ 0.86534           SC14 SC14 SC14         \$ 27.56 \$ 0.03914         \$ 0.86534         11,129         992           NVSEG         NVSEG         \$ 897.50 \$ 0.03632         \$ 0.03632         \$ 0.657355         3,931,379         - 12           Round         Round         Round         Round         Round         417.092.185         160.553.368         71	6												
SC12-S1W       \$ 148.27       \$ 0.06429         SC12-S2W       \$ 466.54       \$ 0.04522         SC12-L1       \$ 466.54       \$ 0.04216       \$ 0.03615         SC12-L1       \$ 1,401.27       \$ 0.04278       \$ 0.04578         SC12-L2W       \$ 1,401.27       \$ 0.00845       \$ 0.00845         SC12-L2W       \$ 1,401.27       \$ 0.01071       \$ 0.86534         SC13-L2W       \$ 1,401.27       \$ 0.03914       \$ 0.86534         SC14       SC14       \$ 0.03632       \$ 0.03632       \$ 0.57355         NVSEG       NYSEG       \$ 897.50       \$ 0.03632       \$ 0.57355       \$ 3.931,379       - 338,114       10,907         Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round	10	SC12-S1	SC12-S							78,247	42,748	1	35,499
SC12-S2       \$ 466.54       \$ 0.04522       \$ 805.265       \$ 84,076         SC12-L1       \$ 1,401.27       \$ 0.04216       \$ 0.03615       \$ 0.86534         SC12-L1W       \$ 1,401.27       \$ 0.00845       \$ 0.86534         SC12-L2W       \$ 1,401.27       \$ 0.01071       \$ 0.86534         SC12-L2W       \$ 1,401.27       \$ 0.01071       \$ 0.86534         SC12-L2W       \$ 1,401.27       \$ 0.03914       \$ 0.86534         SC13       \$ 27.56       \$ 0.03914       \$ 0.86534         SC14       SC14       \$ 897.50       \$ 0.03632       \$ 0.57355         SC2       SC2       \$ 897.50       \$ 0.03632       \$ 0.57355         Round       Round       Round       \$ 160.553.368       21	Π	SC12-S1W											
SC12-S2W       \$ 466.54       \$ 0.05728       84,076         SC12-L1       \$ 1,401.27       \$ 0.04216       \$ 0.03615         SC12-L1W       \$ 1,401.27       \$ 0.06340       \$ 0.04578         SC12-L2W       \$ 1,401.27       \$ 0.00845       \$ 0.08634         SC12-L2W       \$ 1,401.27       \$ 0.003914       \$ 0.86534         SC12-L2W       \$ 1,401.27       \$ 0.01071       \$ 0.86534         SC12-L2W       \$ 1,401.27       \$ 0.01071       \$ 0.86534         SC13-L2W       \$ 27.56       \$ 0.03914       \$ 0.86534         SC14       SC14       SC14       10,907         NYSEG       \$ 897.50       \$ 0.03632       \$ 0.57355       328,114       10,907         SC9       SC9       \$ 807.50       \$ 0.03632       \$ 3,931,379       - 3         Round       Round       Round       \$ 100,573,368       21	12	SC12-S2											
SC12-L1       SC12-L       \$ 1,401.27       \$ 0.04216       \$ 0.03615       84,076         SC12-L1W       \$ 1,401.27       \$ 0.05340       \$ 0.04578       \$ 0.86534         SC12-L2W       \$ 1,401.27       \$ 0.01071       \$ 0.86534         SC12-L2W       \$ 1,401.27       \$ 0.01071       \$ 0.86534         SC12-L2W       \$ 1,401.27       \$ 0.01071       \$ 0.86534         SC13       \$ 27.56       \$ 0.03914       \$ 0.86534         SC14       SC14       SC14       10,907         NYSEG       \$ 897.50       \$ 0.03632       \$ 0.57355       \$ 0.57355       328,114       10,907         SC9       SC9       SC9       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632       \$ 0.03632 <t< td=""><td>13</td><td>SC12-S2W</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	13	SC12-S2W											
SC12-L1       SC12-L       \$ 1,401.27       \$ 0.04216       \$ 0.03615       84,076         SC12-L1W       \$ 1,401.27       \$ 0.05340       \$ 0.04578       \$ 0.86534         SC12-L2W       \$ 1,401.27       \$ 0.00845       \$ 0.86534         SC12-L2W       \$ 1,401.27       \$ 0.01071       \$ 0.86534         SC12-L2W       \$ 1,401.27       \$ 0.01071       \$ 0.86534         SC13       \$ 27.56       \$ 0.03914       \$ 0.86534         SC14       SC14       SC14       10,907         NYSEG       \$ 897.50       \$ 0.03632       \$ 0.57355       328,114       10,907         SC9       SC9       SC9       3931,379       - 3         Round       Round       Round       10,907       - 3	14												
SC12-L1W       \$ 1,401.27       \$ 0.04578       \$ 0.86534         SC12-L2W       \$ 1,401.27       \$ 0.00845       \$ 0.86534         SC12-L2W       \$ 1,401.27       \$ 0.01071       \$ 0.86534         SC12-L2W       \$ 1,401.27       \$ 0.01071       \$ 0.86534         SC13       \$ 27.56       \$ 0.03914       \$ 0.86534         SC14       SC14       SC14       10,907         NYSEG       \$ 897.50       \$ 0.03632       \$ 0.57355       328,114       10,907         SC9       SC9       SC9       \$ 3,931,379       - 3         Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round       Round	15	SC12-L1	SC12-L	\$ 1,401.27		\$ 0.03615				805,265	84,076	406,195	314,994
SC12-L2       \$ 1,401.27       \$ 0.00845       \$ 0.86534         SC12-L2W       \$ 1,401.27       \$ 0.01071       \$ 0.86534         SC12-L2W       \$ 1,401.27       \$ 0.01071       \$ 0.86534         SC13       \$ 27.56       \$ 0.03914       12,970,150       - 12         SC14       SC14       SC14       10,907       - 12         NYSEG       NYSEG       \$ 0.03632       \$ 0.57355       328,114       10,907         SC9       SC9       SC9       3,931,379       - 3         Round       Round       Round       10,907       - 12	16	SC12-L1W		\$ 1,401.27		\$ 0.04578							
SC12-L2W       \$ 1,401.27       \$ 0.01071       \$ 0.86534         SC13       \$ 27.56       \$ 0.03914       11,129       992         SC14       SC14       12,970,150       - 12         NYSEG       NYSEG       \$ 0.03632       \$ 0.57355       328,114       10,907         SC9       SC9       SC9       3,931,379       - 3         Round       Round       Round       417,092,185       160,553,368       21	17	SC12-L2		\$ 1,401.27									
SC13 SC13 \$ 27.56 \$ 0.03914 92  SC14 SC14 SC14 - 12  NYSEG NYSEG \$ 897.50 \$ 0.03632 \$ 8.057355 3.931,379 - 3  Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Roun	18	SC12-L2W		\$ 1,401.27	\$								
SC13       SC13       \$ 27.56       \$ 0.03914       992         SC14       SC14       12,970,150       - 12         NYSEG       NYSEG       \$ 0.03632       \$ 0.57355       328,114       10,907         SC9       SC9       SC9       3,931,379       - 3         Round       Round       Round       10,907       - 3	19												
SC14 SC14 SC14 - 12  NYSEG \$ 897.50 \$ 0.03632 \$ 0.57355 \$ 328,114 10,907  SC9 SC9 SC9 SC9 Aund Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round R	20	SC13	SC13							1,129	992	ı	137
NYSEG NYSEG \$ 897.50 \$ 0.03632 \$ 0.57355 328,114 10,907 SC9 SC9 SC9 SC9 Scond Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round	21	SC14	SC14							12,970,150		12,970,150	1
SC9 SC9 - 3 Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round Round	22	NYSEG	NYSEG		0 \$ 0.03632			\$ 0.57355		328,114	10,907	209,110	108,097
Round Round Round 8 160 553 368	23	SC9	SC9							3,931,379	•	3,931,379	1
160,553,368	24	Round	Round						'				1
000000	25								•	417,092,185	160,553,368	21,564,221	234,974,596

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Calculation of Proposed Rates- Year 2

												0.000						0.000									
		Demand																	0.86534	0.86534				0.58086			
	Rate Year 2 Proposed Rates Before Surcredit	Block 4		\$ 0.06784					\$ 0.06724										\$	\$				\$			
	roposed Rate	Block 3	\$ 0.09539	\$ 0.21159 \$ 0.06784					\$ 0.07793 \$ 0.06724								\$ 0.03615	\$ 0.04578									
	Rate Year 2 P	Block 2	\$ 0.57545	\$ 0.36374	\$ 0.11632	\$ 0.08113		\$ 0.15389	\$ 0.08281	00609.0 \$		\$ 0.05074	\$ 0.06429	\$ 0.04522	\$ 0.05728		\$ 0.04216	\$ 0.05340	\$ 0.00845	\$ 0.01071		\$ 0.03914		\$ 0.03678			
		Block 1 (CC)	\$ 20.35		\$ 781.27	\$ 587.29		\$ 361.27	\$ 1,155.03			\$ 148.27	\$ 148.27	\$ 466.54	\$ 466.54		\$ 1,401.27	\$ 1,401.27	\$ 1,401.27	\$ 1,401.27		\$ 27.56		\$ 908.94			
		Volumetric % Increase	2.47%	1.58%	1.75%	0.51%		1.74%	0.94%	0.00%												0.00%		1.27%			(%89.9)
		Volumetric Year 2 at Year 1 Rates	144,765,894	51,860,873	946,903	6,526,877	2,530,339	7,827,777	19,261,683	100,907		35,499					721,189					137	12,970,150	313,299	3,931,379		251,792,907
IYr2		SC	SC1	SC2	SC3	SC5	SC6	SC7	SC8	SC10		SC12-S					SC12-L					SC13	SC14	NYSEG	SC9	Round	
tblRates_LvlYr2		Rate	SC1	SC2	SC3	SC5	SC6	SC7	SC8	SC10		SC12-S1	SC12-S1W	SC12-S2	SC12-S2W		SC12-L1	SC12-L1W	SC12-L2	SC12-L2W		SC13	SC14	NYSEG	SC9	Round	
		Line	-	7	3	4	5	9	7	∞	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Calculation of Proposed Rates- Year 2

tblRates_LvlYr2	lYr2							:			
Billing Uni	Billing U	Billing U	nits	Rate Year 2 l	Rate Year 2 Revenue at Proposed Rates	posed Rates		Surcredit	redit		
Line Rate SC Block 2		Block	2	Total	CC, Blocks 3-4, Demand	Difference to Target	Block 2	Block 3	Block 4	Demand	Surcredit Ratio
SC1 SC1 20,699,1		20,699,	150	289,547,016	29,221,985	(586)	\$ (0.04846)	\$ (0.00806)			52.3%
SC2 SC2 6,742,506		6,742,5	909	66,495,490	28,155,222	(308)	\$ (0.01939)	\$ (0.01939) \$ (0.01123) \$ (0.00356)	\$ (0.00356)		51.9%
SC3 sc3 828,292		828,2	92	1,341,421	•	27	\$ (0.00724)				51.3%
SC5		8,085,82	4	7,673,531	•	87	\$ (0.00359)				52.7%
SC6		4,752,75	2	2,530,339	2,530,339	ı					
SC7 SC7 5,175,047		5,175,047	_	11,028,602		130	\$ (0.00889)				55.5%
SC8		5,795,967		20,259,884	14,628,622	(09)	\$ (0.00373)	\$ (0.00373) \$ (0.00347) \$ (0.00299)	\$ (0.00299)		53.8%
SC10 SC10 16,569		16,569		100,907		1					
SC12-S1 SC12-S 69,298		69,298		78,247	42,748	ı					
SC12-S1W	ı	ı									
SC12-S2	•	•									
SC12-S2W	•	•									
ı	1	ı									
SC12-L1 SC12-L 1,390,289		1,390,289		805,265	490,271	1					
SC12-L1W	1	1									
SC12-L2	1	•		•							
SC12-L2W	ı	Į									
1	1	1									
SC13 SC13 350		350		1,129	992	1					
SC14 SC14 48,663,267		48,663,267		12,970,150	12,970,150	1					
NYSEG NYSEG 294,111		294,111		328,191	220,017	77	\$ (0.00023)			\$ (0.00370)	42.1%
SC9 SC9 8,267,572		8,267,57	7	3,931,379	3,931,379	ı					
Round Round 64		79	I	12	-						
110,781,061	110,781,06	110,781,06	  _	417,091,563	92,191,725	(634)					
			I								

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Pronosed Rates- Year 2

				Calcula	Calculation of Proposed Rates- Year 2	osed Rates-	Year 2		
	tblRates_LvlYr2	Yr2							
					Tax Credit				
Line	Rate	SC	Block 2	Block 3	Block 4	Demand	Tax Credit Ratio	Actual Tax Credit	Target
1	SC1	SC1	\$ (0.03971)	\$ (0.00659)			%6'86	(10,238,428)	(10,238,797)
7	SC2	SC2	\$ (0.02003)	\$ (0.01166) \$ (0.00373)	\$ (0.00373)		98.2%	(2,901,846)	(2,902,245)
$\epsilon$	SC3	SC3	\$ (0.00628)				%5'66	(52,017)	(51,562)
4	SC5	SC5	\$ (0.00172)				99.5%	(139,076)	(137,898)
S	SC6	SC6				1			
9	SC7	SC7	\$ (0.00822)				97.4%	(425,389)	(425,284)
7	SC8	SC8	\$ (0.00219)	\$ (0.00207) \$ (0.00178)	\$ (0.00178)		98.4%	(474,645)	(474,448)
∞	SC10	SC10							
6									
10	SC12-S1	SC12-S	\$ (0.00581)				99.5%	(268)	(38,372)
Ξ	SC12-S1W		\$ (0.00737)					(191)	
12	SC12-S2		\$ (0.00518)					(1,750)	
13	SC12-S2W		\$ (0.00656)					(1,858)	
7									
15	SC12-L1	SC12-L	\$ (0.00483)	\$ (0.00414)				(13,891)	
16	SC12-L1W		\$ (0.00612)	\$ (0.00524)				(12,360)	
17	SC12-L2		\$ (0.00096)			\$ (0.09913)		(4,491)	
18	SC12-L2W		\$ (0.00122)			\$ (0.09913)		(5,281)	
19									
20	SC13	SC13							
21	SC14	SC14							
22	NYSEG	NYSEG	\$ (0.00011)			\$ (0.00169)	99.5%	(6,408)	(6,395)
23	SC9	SC9							
24	Round	Round							
25								(14,277,898)	(14,275,000)

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Rate Year 2 Revenue at Year 1 Rates

Description	SC	Customers	Block 1	Block 2	Block 3	Block 4	Total	Demand Units
Residential Non-Heat	SC1	26,243	62,559	275,650	110,162	1	448,371	
Residential Non-Heat MB	SC1	2,510	6,613	29,240	9,104	•	44,957	
Residential Heat	SC1	466,316	1,573,924	17,198,991	25,434,946	,	44,207,861	
Residential Heat MB	SC1	83,194	287,365	3,195,269	5,080,011	,	8,562,645	
Residential Non-Heat	SC2	118	277	1,187	•	0	1,464	
Residential Non-Heat MB	SC2	11	28	187	1	0	215	
Residential Heat	SC2	1,573	4,611	134,833	64,848	6,182	210,474	
Residential Heat MB	SC2	308	896	46,825	52,673	2,220	102,686	
Commercial Non-Heat	SC2	1,226	3,551	110,558	145,586	67,020	326,715	
Commercial Non-Heat MB	SC2	730	2,276	107,497	184,299	13,063	307,134	
Commercial Heat	SC2	27,769	79,064	3,653,725	5,413,411	1,390,898	10,537,098	
Commercial Heat MB	SC2	15,550	47,994	2,655,301	6,437,537	1,016,005	10,156,837	
Industrial	SC2	78	230	16,779	104,231	30,343	151,583	
Industrial MB	SC2	72	230	15,614	83,458	33,238	132,540	
Commercial Non-Heat	SC3	•	1	•	•	1	1	
Commercial Heat	SC3	32	134,545	646,846	,	,	781,391	
Industrial	SC3	∞	37,424	181,446	,		218,870	
Firm Transport	SC5	158	17,619	8,085,824	•	•	8,103,443	
Lg Vol IT	SC6	15	1,800	4,752,755	1	•	4,754,555	
Small FT	SC7	707	1,370,031	5,175,047	٠	,	6,545,078	
Firm & Standby	SC8	09	6,980	5,795,967	8,840,338	9,253,865	23,897,150	
NGV	SC10	2		16,569	•	•	16,569	
DG <250	SC12-S	1		206			206	
DG <250	SC12-S			700			700	
DG <250 MB	SC12-S	-		3,700			3,700	
DG <250 MB	SC12-S			1,885			1,885	
DG 250-1000	SC12-S	•					1	
DG 250-1000	SC12-S			•			•	
DG 250-1000 MB	SC12-S	7		33,787			33,787	
DG 250-1000 MB	SC12-S			28,318			28,318	
DG 1M-2.5M	SC12-L	•		•	•		•	
DG 1M-2.5M	SC12-L			,	,		1	
DG 1M-2.5M MB	SC12-L	3		287,598	1		287,598	
DG 1M-2.5M MB	SC12-L			201,962	,		201,962	
DG >2.5M	SC12-L	1		1	1		1	
DG >2.5M	SC12-L				1		1	
DG >2.5M MB	SC12-L	2		467,832	,		467,832	
DG >2.5M MB	SC12-L			432,898	,		432,898	469,405
DG Sales	SC13	3	11	350	1	1	361	
DG Sales MB	SC13	ı		1	1	1	1	
Electric Generation	SC14	5	,	48,663,267	•	,	48,663,267	
NYSEG	NYSEG	1	1	294,111	1	1	294,111	360,000
Special Contract	SC9	5	1	8,267,572	1	•	8,267,572	
Rounding	Round	•	•	2	•		2	
		000						

			Rat	Rate Year 1 Proposed Rates Before Surcredit	nosed Rates E	Before Surci	edit		Rate	Rate Year 2 Revenue at Year 1 Rates	ie at Year 1 R	ates		
Line	. Description	SC	Block 1	Block 2	Block 3	Block 4	Demand	Block 1 (CC)	Block 2	Block 3	Block 4	Demand Revenue	Total	Volumetric
-	Residential Non-Heat	SC1	\$ 20.35	\$ \$ 0.56161	\$ 0.09309			6,408,512	1,548,080	102,550			8,059,142	1,650,630
2	Residential Non-Heat MB	SC1	\$ 20.35		\$ 0.09309			612,892	164,212	8,475	1		785,579	172,687
33	Residential Heat	SC1	\$ 20.35	\$ \$ 0.56161	\$ 0.09309			113,874,382	96,591,252	23,677,392	1		234,143,025	120,268,643
4	Residential Heat MB	SC1		S	\$ 0.09309			20,315,987	17,944,952	4,728,982	1		42,989,920	22,673,934
5	Residential Non-Heat	SC2	\$ 24.27	7 \$ 0.35808	\$ 0.20830	\$ 0.06678		34,438	4,249	•	0		38,687	4,249
9	Residential Non-Heat MB	SC2	\$ 24.27	S	\$ 0.20830	\$ 0.06678		3,199	670		0		3,869	029
7	Residential Heat	SC2	\$ 24.27	7 \$ 0.35808	\$ 0.20830	\$ 0.06678		457,989	482,811	135,079	4,128		1,080,008	622,018
∞	Residential Heat MB	SC2	\$ 24.27	7 \$ 0.35808	\$ 0.20830	\$ 0.06678		89,739	167,672	109,718	1,482		368,611	278,872
6	Commercial Non-Heat	SC2	\$ 24.27	7 \$ 0.35808	\$ 0.20830	\$ 0.06678		357,008	395,886	303,256	44,756		1,100,907	743,898
10	Commercial Non-Heat MB	SC2	\$ 24.27	7 \$ 0.35808	\$ 0.20830	\$ 0.06678		212,569	384,925	383,894	8,723		990,112	777,543
11	Commercial Heat	SC2	\$ 24.27	7 \$ 0.35808	\$ 0.20830	\$ 0.06678		8,087,358	13,083,258	11,276,135	928,842		33,375,593	25,288,235
12	Commercial Heat MB	SC2	\$ 24.27	7 \$ 0.35808	\$ 0.20830	\$ 0.06678		4,528,895	9,508,100	13,409,389	678,488		28,124,873	23,595,978
13	Industrial	SC2	\$ 24.27	7 \$ 0.35808	\$ 0.20830	\$ 0.06678		22,842	60,083	217,114	20,263		320,302	297,460
14	Industrial MB	SC2	\$ 24.27	7 \$ 0.35808	\$ 0.20830	\$ 0.06678		21,036	55,911	173,843	22,196		272,987	251,950
15	Commercial Non-Heat	SC3	\$ 781.27	7 \$ 0.11432				•	•		1		1	
16	Commercial Heat	SC3	\$ 781.27	7 \$ 0.11432				300,525	739,474	,	1		1,039,999	739,474
17	Industrial	SC3	\$ 781.27	7 \$ 0.11432				77,427	207,429		•		284,855	207,429
18	Firm Transport	SC5	\$ 554.83	\$ \$ 0.08072				1,051,958	6,526,877	,	,		7,578,835	6,526,877
19	Lg Vol IT	9OS						•	•	,	,	2,530,339	2,530,339	2,530,339
20		SC7	\$ 361.27	7 \$ 0.15126				3,064,722	7,827,777	,	,		10,892,499	7,827,777
21	Firm & Standby	SC8	-	\$ 0.08204	\$ 0.07721	\$ 0.06661		748,469	4,755,011	6,825,625	6,163,999	1,517,048	20,010,152	19,261,683
22	NGV	SC10	· •	\$ 0.60900					100,907	1	ı		100,907	100,907
23	DG <250	SC12-S	\$ 148.27	7 \$ 0.05074				1,779	460	,	,		2,240	460
24	DG <250	SC12-S	\$ 148.27	7 \$ 0.06429				•	450	,	1		450	450
25	DG <250 MB	SC12-S	\$ 148.27	7 \$ 0.05074				1,779	1,877	,	1		3,657	1,877
26	DG <250 MB	SC12-S	\$ 148.27	7 \$ 0.06429				•	1,212		•		1,212	1,212
27		SC12-S		S				•		1	1		1	1
28	DG 250-1000	SC12-S	\$ 466.54	\$ 0.05728						,	•		i	,
29		SC12-S	\$ 466.54	S				39,189	15,279	1	1		54,468	15,279
30		SC12-S	\$ 466.54	<b>\$</b>				•	16,221	1	ı		16,221	16,221
31		SC12-L	\$ 1,401.27	\$				1	1	ı	ı		1	1
32		SC12-L	\$ 1,401.27	8				•		ı	ı		•	,
33		SC12-L	\$ 1,401.27	8	\$ 0.03615			50,446	121,251	ı	i		171,697	121,251
34		SC12-L	\$ 1,401.27	\$	\$ 0.04578			•	107,848	1	ı		107,848	107,848
35	DG >2.5M	SC12-L	\$ 1,401.27	7 \$ 0.00845			\$ 0.86534	1	1		1		Ì	
36	DG >2.5M	SC12-L	\$ 1,401.27	7 \$ 0.01071			\$ 0.86534			•	1		1	•
37		SC12-L		7 \$ 0.00845			\$ 0.86534	33,630	39,532	1	1		73,162	39,532
38		SC12-L	\$ 1,401.27	7 \$ 0.01071			\$ 0.86534	1	46,363	1	1	406,195	452,558	452,558
39	DG Sales	SC13	\$ 27.56	\$ \$ 0.03914				992	137		1		1,129	137
40	DG Sales MB	SC13	\$ 27.56	\$ \$ 0.03914				•	•	1	1		•	
41	Electric Generation	SC14						•	•	•	•	12,970,150	12,970,150	12,970,150
42	NYSEG	NYSEG	\$ 897.50	\$ 0.03632			\$ 0.57355	10,770	106,821	1	1	206,478	324,069	313,299
43	Special Contract	SC9						1	1	1	1	3,931,379	3,931,379	3,931,379
4	Rounding	Round												
45								160,408,534	161,006,989	61,351,451	7,872,878	21,561,589	412,201,441	251,792,907

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Level Year 2 Rates and Revenue

Line	Description	SC	Customers	Block 1	Block 2	Block 3	Block 4	Total	Demand
1 Re	Residential Non-Heat	SC1	26,243	62,559	275,650	110,162	1	448,371	
2 Re	Residential Non-Heat MB	SCI	2,510	6,613	29,240	9,104	•	44,957	
3 Re	Residential Heat	SC1	466,316	1,573,924	17,198,991	25,434,946	•	44,207,861	
4 Re	Residential Heat MB	SC1	83,194	287,365	3,195,269	5,080,011	1	8,562,645	
5 Re	Residential Non-Heat	SC2	118	277	1,187	ı	0	1,464	
6 Re	Residential Non-Heat MB	SC2	11	28	187	,	0	215	
7 Re	Residential Heat	SC2	1,573	4,611	134,833	64,848	6,182	210,474	
8 Re	Residential Heat MB	SC2	308	896	46,825	52,673	2,220	102,686	
ک ه	Commercial Non-Heat	SC2	1,226	3,551	110,558	145,586	67,020	326,715	
č °	Commercial Non-Heat MB	SC2	730	2,276	107,497	184,299	13,063	307,134	
۔ ت	Commercial Heat	SC2	27,769	79,064	3,653,725	5,413,411	1,390,898	10,537,098	
2 C	Commercial Heat MB	SC2	15,550	47,994	2,655,301	6,437,537	1,016,005	10,156,837	
3 In	Industrial	SC2	78	230	16,779	104,231	30,343	151,583	
14 In	Industrial MB	SC2	72	230	15,614	83,458	33,238	132,540	
15 Cc	Commercial Non-Heat	SC3		•	•	,			
2 9	Commercial Heat	SC3	32	134,545	646,846	•	•	781,391	
7 In	Industrial	SC3	∞	37,424	181,446	1	•	218,870	
.8 Fi	Firm Transport	SC5	158	17,619	8,085,824	1	1	8,103,443	
19 Lg	Lg Vol IT	SC6	15	1,800	4,752,755	ı	1	4,754,555	
20 Sn	Small FT	SC7	707	1,370,031	5,175,047	ı	1	6,545,078	
21 Fi	Firm & Standby	SC8	09	6,980	5,795,967	8,840,338	9,253,865	23,897,150	
2 <b>X</b>	NGV	SC10	2		16,569	ı	1	16,569	
23 DC	DG <250	SC12-S	1		200			200	
24 DC	DG <250	SC12-S			700			700	
25 DC	DG <250 MB	SC12-S	1		3,700			3,700	
26 DC	DG <250 MB	SC12-S			1,885			1,885	
7 D	DG 250-1000	SC12-S			•				
28 DC	DG 250-1000	SC12-S			1			•	
o D	DG 250-1000 MB	SC12-S	7		33,787			33,787	
30 DC	DG 250-1000 MB	SC12-S			28,318			28,318	
_ D	DG 1M-2.5M	SC12-L			1	1		•	
2 DX	DG 1M-2.5M	SC12-L			,	1		•	
3 DX	DG 1M-2.5M MB	SC12-L	3		287,598	1		287,598	
34 DC	DG 1M-2.5M MB	SC12-L			201,962	1		201,962	
35 DC	DG >2.5M	SC12-L	•		1	,		•	
36 DC	DG >2.5M	SC12-L			•	i		•	
7 D	DG >2.5M MB	SC12-L	2		467,832	ı		467,832	
ĭ ∞	DG >2.5M MB	SC12-L			432,898	1		432,898	469,405
o D	DG Sales	SC13	3	=======================================	350	1	1	361	
Ŏ Q	DG Sales MB	SC13			•	i	•		
田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田田	Electric Generation	SC14	5	1	48,663,267	İ	1	48,663,267	
N	NYSEG	NYSEG	1	ı	294,111	İ	1	294,111	360,000
3 Sp	Special Contract	SC9	5	•	8,267,572	i	•	8,267,572	
	Rounding	Round			49			64	
	,		0001	000 000 0	110 201 001	100000	000000	4 6 7	ı

Niagara Mohawk Power Corporation (Gas)	<b>Years Ending March 31, 2019-2022</b>	s and Revenue
Niagara Mohav	Years Ending N	Level Year 2 Rates and Revenue

					L	Level Year 2 ]	ear 2 Proposed Rates	ates				Level Year 2	Level Year 2 Proposed Rates Revenue	s Revenue	
Line	ne Description	SC	Bloc	Block 1 (CC)	B	Block 2	Block 3	B	Block 4	Demand	Block 1 (CC)	Block 2	Blocks 3-4	Demand Revenue	Total
	Residential Non-Heat	SCI	s	20.35	\$	0.57545 \$	0.09539	\$			6,408,512	1,586,230	105,083	The venue	8,099,825
2	Residential Non-Heat MB	SC1	S	20.35		0.57545 \$	0.09539	S	,		612,892	168,259	8,685		789,835
3	Residential Heat	SC1	S	20.35	S	0.57545 \$	0.09539	S	•		113,874,382	98,971,592	24,262,395		237,108,369
4	Residential Heat MB	SC1	S	20.35	S	0.57545 \$	0.09539	S			20,315,987	18,387,177	4,845,822		43,548,986
S	Residential Non-Heat	SC2	S	24.27		0.36374 \$	0.21159	S	0.06784		34,438	4,316	0		38,755
9	Residential Non-Heat MB	SC2	S	24.27		0.36374 \$	0.21159	S	0.06784		3,199	681	0		3,880
7	Residential Heat	SC2	s	24.27	S	0.36374 \$	0.21159	S	0.06784		457,989	490,443	141,406		1,089,838
∞	Residential Heat MB	SC2	S	24.27	S	0.36374 \$	0.21159	s	0.06784		89,739	170,322	112,957		373,018
6	Commercial Non-Heat	SC2	S	24.27	S	0.36374 \$	0.21159	S	0.06784		357,008	402,144	353,512		1,112,664
Ξ	0 Commercial Non-Heat MB	SC2	S	24.27	S	0.36374 \$	0.21159	S	0.06784		212,569	391,010	398,819		1,002,398
=	1 Commercial Heat	SC2	S	24.27	s	0.36374 \$	0.21159	S	0.06784		8,087,358	13,290,059	12,397,821		33,775,239
17	2 Commercial Heat MB	SC2	S	24.27	S	0.36374 \$	0.21159	S	0.06784		4,528,895	9,658,390	14,310,442		28,497,728
13	3 Industrial	SC2	S	24.27	S	0.36374 \$	0.21159	S	0.06784		22,842	61,033	241,128		325,003
14	4 Industrial MB	SC2	S	24.27	S	0.36374 \$	0.21159	S	0.06784		21,036	56,795	199,137		276,969
15	5 Commercial Non-Heat	SC3	S	781.27	S	0.11632 \$	•	S			•	•	•		•
16	5 Commercial Heat	SC3	S	781.27	8	0.11632 \$	1	↔			300,525	752,411	٠		1,052,936
17	7 Industrial	SC3	S	781.27	S	0.11632 \$	٠	S			77,427	211,058	,		288,484
18	8 Firm Transport	SC5	S	587.29	S	0.08113 \$	ı	S			1,113,502	6,560,029	•		7,673,531
19		SC6									•	•	•	2,530,339	2,530,339
20		SC7	S	361.27	8	0.15389 \$	1	↔			3,064,722	7,963,880	٠		11,028,602
21	1 Firm & Standby	SC8	S	1,155.03	S	0.08281 \$	0.07793	S	0.06724		831,622	4,799,640	13,111,574	1,517,048	20,259,884
22	2 NGV	SC10	S	i	S	\$ 00609.0	ı	S			•	100,907	•		100,907
23	3 DG <250	SC12-S	s	148.27	s	0.05074 \$	٠	S			1,779	460	,		2,240
24	4 DG <250	SC12-S	S	148.27	S	0.06429 \$	•	↔			•	450			450
25		SC12-S	S	148.27	S	0.05074 \$	•	↔			1,779	1,877			3,657
26	5 DG <250 MB	SC12-S	S	148.27	S	0.06429 \$	٠	S			•	1,212			1,212
27		SC12-S	s	466.54	S	0.04522 \$	•	S			•	•	1		1
28		SC12-S	S	466.54	S	0.05728 \$	•	S			•	•			
29		SC12-S	S	466.54	S	0.04522 \$	•	S			39,189	15,279	1		54,468
30		SC12-S	S	466.54	S	0.05728 \$	•	S			1	16,221	1		16,221
31		SC12-L	S	1,401.27	S	0.04216 \$	0.03615	S			1	•	1		1
32		SC12-L	s	1,401.27	s	0.05340 \$	0.04578	S			•	•	•		•
33		SC12-L	S	1,401.27	S	0.04216 \$	0.03615	S			50,446	121,251	•		171,697
34		SC12-L	S	1,401.27	S	0.05340 \$	0.04578	∽			•	107,848			107,848
35		SC12-L	s	1,401.27	S	0.00845 \$	1	S			•	•			•
36	5 DG >2.5M	SC12-L	s	1,401.27	S	0.01071 \$	•	S			•	•	1		
37		SC12-L	S	1,401.27	S	0.00845 \$	•	S		\$ 0.86534	33,630	39,532	•		73,162 gg
38	8 DG >2.5M MB	SC12-L	S	1,401.27		0.01071 \$	•	S		\$ 0.86534	•	46,363	•	406,195	
39		SC13	s	27.56		0.03914 \$	1	S			992	137			1,129
40		SC13	s	27.56	S	0.03914 \$	•	S			•	,			
41	1 Electric Generation	SC14									•	,		12,970,150	12,970,150
42		NYSEG	S	908.94	8	0.03678 \$	1	S	,	\$ 0.58086	10,907	108,174		209,110	328,191
43		SC9										1	1	3,931,379	3,931,379
4 4 ,	4 Kounding	Kound									076 633 071	174 405 100	000 000 000	100 100	117 000 011
45											160,555,568	160,553,368 164,485,180	70,488,782	21,564,221	417,091,551

113,464

246,469,622

137

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Appendix 3
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Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Calculation of Proposed Rates- Year 3

	tes Revenue	Demand Charge	1	ı	ı	ı	2,562,020		1,517,048		•				406,195					12,980,863	214,405	4,007,632		21,688,163
	Rate Year 3 Rates Revenue	Customer Charge	142,278,511	13,845,612	364,947	1,175,027	ı	3,100,642	914,782	ı	42,748				84,076				992	ı	11,184	ı		161,818,520
		Target	298,925,016	68,426,903	1,357,091	7,937,598	2,562,020	11,475,063	20,973,486	103,395	79,172				807,884				1,129	12,980,863	339,053	4,007,632		429,976,305
ı		Block 2 dth			824,005				24,157,667														,	
		Demand															\$ 0.86534	\$ 0.86534			\$ 0.58086			
	Rate Year 2 Rates Before Surcredit	Block 4		\$ 0.06784					\$ 0.06724															
		Block 3	\$ 0.09539	\$ 0.21159					\$ 0.07793 \$ 0.06724						\$ 0.03615	\$ 0.04578								
		Block 2	\$ 0.57545	\$ 0.36374				\$ 0.15389	\$ 0.08281	\$ 0.60900	\$ 0.05074	\$ 0.06429	\$ 0.04522	\$ 0.05728	\$ 0.04216	\$ 0.05340	\$ 0.00845	\$ 0.01071	\$ 0.03914		\$ 0.03678			
		Block 1 (CC)	\$ 20.35	\$ 24.27	\$ 781.27	\$ 587.29		\$ 361.27	\$ 1,155.03		\$ 148.27	\$ 148.27	\$ 466.54	\$ 466.54	\$ 1,401.27	\$ 1,401.27	\$ 1,401.27	\$ 1,401.27	\$ 27.56		\$ 908.94			
Yr3		SC	SCI	SC2	SC3	SC5	SC6	SC7	SC8	SC10	SC12-S				SC12-L				SC13	SC14	NYSEG	SC9	Round	
tblRates_LvlYr3		Rate	SC1	SC2	SC3	SC5	SC6	SC7	SC8	SC10	SC12-S1	SC12-S1W	SC12-S2	SC12-S2W	SC12-L1	SC12-L1W	SC12-L2	SC12-L2W	SC13	SC14	NYSEG	SC9	Round	
		Line	1	2	ю	4	5	9			10								20	21	22	23	24	25

156,646,505 54,581,291 992,144 6,762,571

Volumetric

8,374,421 18,541,656 103,395

36,425

317,612

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Calculation of Proposed Rates- Year 3

												0.000						0.000								
	<u>.+.</u>	Demand																	0.86534	0.86534			0.59557			
	Rate Year 3 Proposed Rates Before Surcredit	Block 4		\$ 0.07002					\$ 0.06886										\$	\$			\$			
	Proposed Rate	Block 3	\$ 0.10013	\$ 0.21838					\$ 0.07981								\$ 0.03615	\$ 0.04578								
	Rate Year 3 I	Block 2	\$ 0.60404	\$ 0.37541	\$ 0.12041	\$ 0.08279		\$ 0.15930	\$ 0.08481	\$ 0.60900		\$ 0.05074	\$ 0.06429	\$ 0.04522	\$ 0.05728		\$ 0.04216	\$ 0.05340	\$ 0.00845	\$ 0.01071	\$ 0.03914		\$ 0.03771			
	-	Block 1 (CC)	\$ 20.35	\$ 24.27	1	\$ 619.74		\$ 361.27	\$ 1,270.53			\$ 148.27	\$ 148.27	\$ 466.54	\$ 466.54		\$ 1,401.27	\$ 1,401.27	\$ 1,401.27	\$ 1,401.27	\$ 27.56		\$ 931.96			
		Volumetric % Increase	4.97%	3.21%	3.51%	2.04%		3.52%	2.41%	0.00%											0.00%		2.53%			(4.52%)
		Volumetric Year 3 at Year 2 Rates	149,231,988	52,884,035	958,483	6,627,212	2,562,020	8,089,794	19,621,639	103,395		36,425					723,807				137	12,980,863	319,735	4,007,632		258,147,166
IYr3		SC	SCI	SC2	SC3	SC5	SC6	SC7	SC8	SC10		SC12-S					SC12-L				SC13	SC14	NYSEG	SC9	Round	
tblRates_LvlYr3		Rate	SC1	SC2	SC3	SC5	SC6	SC7	SC8	SC10		SC12-S1	SC12-S1W	SC12-S2	SC12-S2W		SC12-L1	SC12-L1W	SC12-L2	SC12-L2W	SC13	SC14	NYSEG	SC9	Round	
		Line	-	7	8	4	5	9	_	∞	6	10	11	12	13	14	15	16			20	21	22	23	24	25

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Calculation of Proposed Rates-Year 3

	tblRates_LvlYr3	Yr3									
			Billing Units	Rate Year 3	Rate Year 3 Revenue at Proposed Rates	oosed Rates		Surcredit	edit		
Line	Rate	SC	Block 2	Total	CC, Blocks 3- 4, Demand	Difference to Target	Block 2	Block 3	Block 4	Demand	Surcredit Ratio
-	SC1	SCI	20,823,110	298,925,003	30,866,577	(14)	\$ (0.01473)	\$ (0.00245)			30.4%
7	SC2	SC2	6,769,877	68,426,619	29,166,212	(284)	\$ (0.00658)	\$ (0.00658) \$ (0.00381) \$ (0.00121)	\$ (0.00121)		33.9%
$\epsilon$	SC3	SC3	824,005	1,357,132	•	41	\$ (0.00290)				40.0%
4	SC5	SC5	8,168,634	7,937,839	•	241	\$ (0.00155)				43.1%
5	SC6	SC6	4,814,828	2,562,020	2,562,020	ı					
9	SC7	SC7	5,256,868	11,474,833	•	(230)	\$ (0.00300)				33.7%
7	SC8	SC8	5,807,899	20,973,113	15,132,653	(372)	\$ (0.00135)	\$ (0.00135) \$ (0.00126) \$ (0.00108)	\$ (0.00108)		36.3%
∞	SC10	SC10	16,978	103,395		1					
6											
10	SC12-S1	SC12-S	71,322	79,172	42,748	,					
11	SC12-S1W		•								
12	SC12-S2		•								
13	SC12-S2W		ı								
14			•								
15	SC12-L1	SC12-L	1,396,499	807,884	490,271	1					
16	SC12-L1W		ı								
17	SC12-L2		ı	•							
18	SC12-L2W		•								
19			•								
20	SC13	SC13	350	1,129	992	1					
21	SC14	SC14	48,852,114	12,980,863	12,980,863	ı					
22	NYSEG	NYSEG	300,777	339,012	225,589	(41)	· \$			ı \$	ı
23	SC9	SC9	8,278,305	4,007,632	4,007,632						
24	Round	Round	64	12							
25			111,381,630	429,975,657	95,475,557	(099)					

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Calculation of Proposed Rates- Year 3

		Target	(10,679,191)	(3,027,077)	(53,779)	(143,829)		(443,577)	(494,855)			(40,022)												(6,670)			(14,889,000)
		Actual Tax Credit	(10,680,229)	(3,027,031)	(54,253)	(144,736)		(443,502)	(494,296)			(279)	(199)	(1,825)	(1,937)		(14,495)	(12,885)	(4,678)	(5,498)				(6,660)			(14,892,501)
		Tax Credit Ratio	104.3%	104.3%	104.3%	104.3%		104.3%	104.2%			104.3%												104.3%			
		Demand																	\$ (0.10339)	\$ (0.10339)				\$ (0.00176)			
	Tax Credit	Block 4		\$ (0.00389)					\$ (0.00185)																		
		Block 3	\$ (0.00687)	\$ (0.01216)					\$ (0.00216)								\$ (0.00432)	\$ (0.00547)									
		Block 2	\$ (0.04143)	\$ (0.02090) \$ (0.01216) \$ (0.00389)	\$ (0.00655)	\$ (0.00179)		\$ (0.00857)	\$ (0.00228) \$ (0.00216) \$ (0.00185)	· · ·		\$ (0.00606)	\$ (0.00769)	\$ (0.00540)	\$ (0.00684)		\$ (0.00504) \$ (0.00432)	\$ (0.00638)	\$ (0.00100)	\$ (0.00127)				\$ (0.00011)			
Yr3		SC	SCI	SC2	SC3	SC5	SC6	SC7	SC8	SC10		SC12-S					SC12-L					SC13	SC14	NYSEG	SC9	Round	
tblRates_LvlYr3		Rate	SC1	SC2	SC3	SC5	SC6	SC7	SC8	SC10		SC12-S1	SC12-S1W	SC12-S2	SC12-S2W		SC12-L1	SC12-L1W	SC12-L2	SC12-L2W		SC13	SC14	NYSEG	SC9	Round	
		Line	1	7	3	4	5	9	7	∞	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23		25

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Level Year 3 Revenue at Year 2 Rates

Description	SC	Customers	Block 1	Block 2	Block 3	Block 4	Total	Demand Units
Residential Non-Heat	SC1	26,095	62,160	273,392	109,310	1	444,862	
Residential Non-Heat MB	SCI	2,067	5,447	24,029	7,480	,	36,956	
Residential Heat	SC1	477,648	1,612,273	17,576,999	26,015,639	•	45,204,911	
Residential Heat MB	SC1	76,821	265,345	2,948,689	4,694,074	•	7,908,109	
Residential Non-Heat	SC2	115	270	1,174	•	0	1,443	
Residential Non-Heat MB	SC2	13	34	210	•	0	243	
Residential Heat	SC2	1,574	4,614	134,860	64,821	6,225	210,520	
Residential Heat MB	SC2	306	096	46,434	52,195	2,214	101,802	
Commercial Non-Heat	SC2	1,177	3,415	106,567	140,575	64,965	315,522	
Commercial Non-Heat MB	SC2	738	2,301	108,872	186,845	13,158	311,176	
Commercial Heat	SC2	27,932	79,617	3,682,090	5,454,399	1,403,752	10,619,858	
Commercial Heat MB	SC2	15,533	47,971	2,656,705	6,442,586	1,013,191	10,160,452	
Industrial	SC2	80	235	17,283	107,299	31,496	156,314	
Industrial MB	SC2	73	231	15,681	83,607	33,013	132,532	
Commercial Non-Heat	SC3	•	1	1	•	•	ı	
Commercial Heat	SC3	30	127,062	636,462	,	•	763,524	
Industrial	SC3	6	40,366	187,544	•		227,909	
Firm Transport	SC5	158	17,621	8,168,634	•		8,186,255	
Lg Vol IT	SC6	15	1,800	4,814,828	1	,	4,816,628	
Small FT	SC7	715	1,391,467	5,256,868	•	,	6,648,336	
Firm & Standby	SC8	09	6,980	5,807,899	8,949,358	9,400,410	24,164,647	
NGV	SC10	2		16,978	ı		16,978	
DG <250	SC12-S	_		954			954	
DG <250	SC12-S			700			700	
DG <250 MB	SC12-S	_		3,840			3,840	
DG <250 MB	SC12-S			1,885			1,885	
DG 250-1000	SC12-S	•					•	
DG 250-1000	SC12-S			•			•	
DG 250-1000 MB	SC12-S	7		35,625			35,625	
DG 250-1000 MB	SC12-S			28,318			28,318	
DG 1M-2.5M	SC12-L	•		•	•		•	
DG 1M-2.5M	SC12-L			•	,		ı	
DG 1M-2.5M MB	SC12-L	3		293,808	•		293,808	
DG 1M-2.5M MB	SC12-L			201,962	,		201,962	
DG >2.5M	SC12-L			1			•	
DG >2.5M	SC12-L			1	•		ı	
DG >2.5M MB	SC12-L	2		467,832	•		467,832	
DG >2.5M MB	SC12-L			432,898	•		432,898	469,405
DG Sales	SC13	3	11	350	1	1	360	
DG Sales MB	SC13	1		1	1	1	ı	
Electric Generation	SC14	5	1	48,852,114	•	•	48,852,114	
NYSEG	NYSEG	-	1	300,777	1	1	300,777	360,000
Special Contract	SC9	5	1	8,278,305	1	•	8,278,305	
Rounding	Round	1	,	64	1	,	49	

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Level Year 3 Revenue at Year 2 Rates

			I pvo	I evel Vear 2 Pronosed Rates Refore Surcredit	nosed Rates 1	Refore Surer	edit		Jy o I	Lavel Vear 3 Revenue at Vear 2 Rates	o at Vear 2 R	afec		
1	Deconiution	S	Block 1	Cleal	Dlook 3	Dlook 4	Demond	00011	Dlock	Dloop 3	Dlooft 4	Demand	Total	Volumotuio
Ĭ		<u>ي</u>	(CC)	_		DIOCK 4	Demand	DIOCK I (CC)	D10CK 2	DIOCK 3	DIOCK 4	Revenue	Iotai	v oiumetric
-	Residential Non-Heat	SC1	\$ 20.35	S				6,372,395	1,573,236	104,270	•		8,049,901	1,677,507
2	Residential Non-Heat MB	SC1	\$ 20.35	\$ 0.57545				504,647	138,276	7,135	•		650,057	145,410
ж	Residential Heat	SC1	\$ 20.35	\$ 0.57545	\$ 0.09539			116,641,743	101,146,843	24,816,318	•		242,604,903	125,963,161
4	Residential Heat MB	SC1	\$ 20.35	\$ 0.57545				18,759,727	16,968,233	4,477,678	,		40,205,637	21,445,910
5	Residential Non-Heat	SC2	\$ 24.27	\$ 0.36374		\$ 0.06784		33,461	4,270	•	0		37,730	4,270
9	Residential Non-Heat MB	SC2	\$ 24.27	\$ 0.36374	\$ 0.21159	\$ 0.06784		3,812	764	1	0		4,576	764
7	Residential Heat	SC2	\$ 24.27	\$ 0.36374	\$ 0.21159	\$ 0.06784		458,285	490,540	137,154	4,223		1,090,202	631,917
∞	Residential Heat MB	SC2	\$ 24.27	\$ 0.36374		\$ 0.06784		89,046	168,899	110,438	1,502		369,885	280,839
6	Commercial Non-Heat	SC2	\$ 24.27	\$ 0.36374	\$ 0.21159	\$ 0.06784		342,921	387,626	297,442	44,072		1,072,062	729,140
10	Commercial Non-Heat MB	SC2	\$ 24.27	\$ 0.36374	\$ 0.21159	\$ 0.06784		214,869	396,013	395,344	8,926		1,015,153	800,284
111	Commercial Heat	SC2	\$ 24.27	\$ 0.36374	\$ 0.21159	\$ 0.06784		8,134,863	13,393,234	11,540,962	952,306		34,021,365	25,886,502
12	Commercial Heat MB	SC2	\$ 24.27	\$ 0.36374	\$ 0.21159	\$ 0.06784		4,523,823	9,663,498	13,631,867	687,349		28,506,537	23,982,714
13	Industrial	SC2	\$ 24.27	\$ 0.36374	\$ 0.21159	\$ 0.06784		23,416	62,867	227,033	21,367		334,683	311,267
14	Industrial MB	SC2	\$ 24.27	\$ 0.36374	\$ 0.21159	\$ 0.06784		21,116	57,040	176,903	22,396		277,455	256,339
15	Commercial Non-Heat	SC3	\$ 781.27	\$ 0.11632				1	1	1	•		•	•
16	Commercial Heat	SC3	\$ 781.27	\$ 0.11632				280,633	740,332	1	•		1,020,965	740,332
17	Industrial	SC3	\$ 781.27	\$ 0.11632				84,315	218,151	•	•		302,465	218,151
18		SC5	\$ 587.29	\$ 0.08113				1,113,502	6,627,212	•	•		7,740,714	6,627,212
19	Lg Vol IT	SC6						1	1		•	2,562,020	2,562,020	2,562,020
20		SC7	\$ 361.27	\$ 0.15389				3,100,642	8,089,794	1	•		11,190,436	8,089,794
21	Firm & Standby	SC8	\$ 1,155.03	\$ 0.08281	\$ 0.07793	\$ 0.06724		831,622	4,809,521	6,974,234	6,320,836	1,517,048	20,453,261	19,621,639
22	NGV	SC10	· ·	\$ 0.60900					103,395		•		103,395	103,395
23	DG <250	SC12-S	\$ 148.27	\$ 0.05074				1,779	484		•		2,263	484
24	DG <250	SC12-S	\$ 148.27	\$ 0.06429				•	450	,	•		450	450
25	DG <250 MB	SC12-S	\$ 148.27	\$ 0.05074				1,779	1,948	1	•		3,727	1,948
26	DG <250 MB	SC12-S	\$ 148.27	\$ 0.06429				1	1,212	1	•		1,212	1,212
27	DG 250-1000	SC12-S	\$ 466.54	\$ 0.04522				1	1	1	•		•	
28	DG 250-1000	SC12-S	\$ 466.54	\$ 0.05728				•	•	,	•		•	•
29	DG 250-1000 MB	SC12-S	\$ 466.54	\$ 0.04522				39,189	16,110	,	•		55,299	16,110
30		SC12-S	\$ 466.54	S				1	16,221	1	•		16,221	16,221
31	DG 1M-2.5M	SC12-L	\$ 1,401.27	\$ 0.04216				1		1			1	1
32	DG 1M-2.5M	SC12-L	\$ 1,401.27	\$ 0.05340					•	1	1		1	1
33		SC12-L	\$ 1,401.27	\$ 0.04216				50,446	123,869	ı	1		174,315	123,869
34		SC12-L	\$ 1,401.27	\$ 0.05340	\$ 0.04578			•	107,848	•	•		107,848	107,848
35	DG >2.5M	SC12-L	\$ 1,401.27	\$ 0.00845			\$ 0.86534	1	•	,	1		•	
36	DG >2.5M	SC12-L	\$ 1,401.27	\$ 0.01071			\$ 0.86534	1		1			1	1
37	DG >2.5M MB	SC12-L	\$ 1,401.27	\$ 0.00845			\$ 0.86534	33,630	39,532	1	•		73,162	39,532
38	DG >2.5M MB	SC12-L	\$ 1,401.27	\$ 0.01071			\$ 0.86534	•	46,363	1	,	406,195	452,558	452,558
39	DG Sales	SC13	\$ 27.56	S				992	137	ı	1		1,129	137
40		SC13	\$ 27.56	\$ 0.03914				•	1	•	•		•	•
41		SC14						•	•	1	•	12,980,863	12,980,863	12,980,863
42		NYSEG	\$ 908.94	\$ 0.03678			\$ 0.58086	10,907	110,626	1	•	209,110	330,643	319,735
43		SC9						•			•	4,007,632	4,007,632	4,007,632
44	Rounding	Round												
45								161,673,559	165,504,543	62,896,779	8,062,977	21,682,868	419,820,725	258,147,166

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Level Year 3 Rates and Revenue

		]							
Line	Description	sc	Customers	Block 1	Block 2	Block 3	Block 4	Total	Demand Units
Res	Residential Non-Heat	SC1	26,095	62,160	273,392	109,310		444,862	
Res	Residential Non-Heat MB	SC1	2,067	5,447	24,029	7,480		36,956	
Res	Residential Heat	SC1	477,648	1,612,273	17,576,999	26,015,639	,	45,204,911	
Res	Residential Heat MB	SC1	76,821	265,345	2,948,689	4,694,074		7,908,109	
Res	Residential Non-Heat	SC2	115	270	1,174	1	0	1,443	
Res	Residential Non-Heat MB	SC2	13	34	210	,	0	243	
Res	Residential Heat	SC2	1,574	4,614	134,860	64,821	6,225	210,520	
Res	Residential Heat MB	SC2	306	096	46,434	52,195	2,214	101,802	
Cor	Commercial Non-Heat	SC2	1,177	3,415	106,567	140,575	64,965	315,522	
Cor	Commercial Non-Heat MB	SC2	738	2,301	108,872	186,845	13,158	311,176	
Cor	Commercial Heat	SC2	27,932	79,617	3,682,090	5,454,399	1,403,752	10,619,858	
Cot	Commercial Heat MB	SC2	15,533	47,971	2,656,705	6,442,586	1,013,191	10,160,452	
3 Ind	Industrial	SC2	80	235	17,283	107,299	31,496	156,314	
14 Indu	Industrial MB	SC2	73	231	15,681	83,607	33,013	132,532	
15 Cor	Commercial Non-Heat	SC3	•	•	•	,	,	•	
le Cor	Commercial Heat	SC3	30	127,062	636,462	•		763,524	
17 Indu	Industrial	SC3	6	40,366	187,544	•		227,909	
18 Firr	Firm Transport	SC5	158	17,621	8,168,634	•	•	8,186,255	
19 Lg	Lg Vol IT	SC6	15	1,800	4,814,828	,	,	4,816,628	
20 Sma	Small FT	SC7	715	1,391,467	5,256,868	•		6,648,336	
21 Firr	Firm & Standby	SC8	09	6,980	5,807,899	8,949,358	9,400,410	24,164,647	
NGA	>	SC10	2		16,978	•		16,978	
» DG	DG <250	SC12-S	-		954			954	
24 DG	DG <250	SC12-S			700			700	
25 DG	DG <250 MB	SC12-S	1		3,840			3,840	
26 DG	DG <250 MB	SC12-S			1,885			1,885	
27 DG	DG 250-1000	SC12-S	•		•			•	
28 DG	DG 250-1000	SC12-S			•			•	
29 DG	DG 250-1000 MB	SC12-S	7		35,625			35,625	
30 DG	DG 250-1000 MB	SC12-S			28,318			28,318	
DG	DG 1M-2.5M	SC12-L	•		•	,		•	
DG 7	DG 1M-2.5M	SC12-L			•	•		•	
33 DG	DG 1M-2.5M MB	SC12-L	3		293,808	•		293,808	
34 DG	DG 1M-2.5M MB	SC12-L			201,962	•		201,962	
. DG	DG >2.5M	SC12-L	•		•	1		•	
36 DG	DG >2.5M	SC12-L			•	•		•	
, DG	DG >2.5M MB	SC12-L	2		467,832	•		467,832	
38 DG	DG >2.5M MB	SC12-L			432,898	•		432,898	469,405
39 DG	DG Sales	SC13	3	11	350	•	•	360	
) DG	DG Sales MB	SC13	•		•	•	•	•	
I Ele	Electric Generation	SC14	5		48,852,114	•		48,852,114	
NY 2	NYSEG	NYSEG	1	•	300,777	ı	•	300,777	360,000
3 Spe	Special Contract	SC9	5	•	8,278,305	1	•	8,278,305	
44 Rou	Rounding	Round			64			64	
45			631.188	3.670.181	111.381.630	52.308.184	11.968.424	179,328,419	829.405

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Level Year 3 Rates and Revenue

Residential Non-Heat MB   SCI   S   C   C   C   C   C   C   C   C   C							evel Year.	S Fro	Dosed K	tes					Level Year.	Level Year 3 Proposed Kates Revenue	s Kevenue		
Biock I (CC)         Block I (CC)         Block C         Block I (CC)         Block C         Block I (CC)         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Block C         Blo						1											Domond		
Non-Heat         SCI         S         0.60404         S           Non-Heat MB         SCI         S         0.60404         S           Non-Heat MB         SCI         S         0.60404         S           Non-Heat MB         SC2         S         0.60404         S           Non-Heat MB         SC2         S         0.60404         S           Heat MB         SC2         S         0.60404         S           Heat MB         SC2         S         0.60404         S           Heat MB         SC2         S         0.60404         S           Hotor Heat MB         SC2         S         0.60404         S           I Non-Heat SC2         S         24.27         S         0.37541         S           I Non-Heat MB         SC2         S         24.27         S         0.37541         S           I Non-Heat MB         SC2         S         24.27         S         0.37541         S           I Heat MB         SC2         S         24.27         S         0.37541         S           I Heat MB         SC2         S         C.24.27         S         0.37541         S		Description	sc	Block 1	(CC)	B	llock 2	Bk	Block 3	Blo	Block 4	De	Demand	Block 1 (CC)	Block 2	Blocks 3-4	Demand Revenue	Total	
Non-Heat MB         SCI         S         0.60404         S           Heat         SCI         S         0.60404         S           Heat MB         SCI         S         0.035 S         0.60404         S           Non-Heat MB         SCZ         S         24.27 S         0.37541         S           Non-Heat MB         SCZ         S         24.27 S         0.37541         S           Heat MB         SCZ         S         24.27 S         0.37541         S           I Non-Heat MB         SCZ         S         24.27 S         0.37541         S           I Non-Heat MB         SCZ         S         24.27 S         0.37541         S           I Heat MB         SCZ         S         24.27 S         0.37541         S           I Heat MB         SCZ         S         24.27 S         0.37541         S           I Heat MB         SCZ         S         24.27 S         0.37541         S           I Heat MB         SCZ         S         24.27 S         0.37541         S           I Heat MB         SCZ         S         781.27 S         0.37541         S           SCZ         S         S	side	ential Non-Heat	SC1	S	20.35	8			0.10013	\$			! !	6,372,395	1,651,399	109,452		8,133,245	
Heat         SCI         \$         0.60404         S           Heat MB         SCI         \$         0.0435         \$         0.60404         S           Non-Heat MB         SCZ         \$         20.35         \$         0.37541         S           Non-Heat MB         SCZ         \$         24.27         \$         0.37541         S           Heat MB         SCZ         \$         24.27         \$         0.37541         S           I Non-Heat MB         SCZ         \$         24.27         \$         0.37541         S           I Non-Heat MB         SCZ         \$         24.27         \$         0.37541         S           I Heat MB         SCZ         \$         24.27         \$         0.37541         S           I Heat MB         SCZ         \$         24.27         \$         0.37541         S           I Heat MB         SCZ         \$         \$         0.37541         S         0.37541         S           AB         SCZ         \$         \$         1.240.7         \$         0.12041         S           AB         SCZ         \$         \$         1.401.27         \$         0.06429 <td>side</td> <td>ential Non-Heat MB</td> <td>SC1</td> <td>S</td> <td>20.35</td> <td>S</td> <td>0.60404</td> <td>° \$</td> <td>0.10013</td> <td>S</td> <td>1</td> <td></td> <td></td> <td>504,647</td> <td>145,146</td> <td>7,489</td> <td></td> <td>657,282</td> <td></td>	side	ential Non-Heat MB	SC1	S	20.35	S	0.60404	° \$	0.10013	S	1			504,647	145,146	7,489		657,282	
Heat MB SCI S 20.35 S 0.60404 S Non-Heat MB SC2 S 24.27 S 0.37541 S Non-Heat MB SC2 S 24.27 S 0.37541 S Non-Heat MB SC2 S 24.27 S 0.37541 S IN M-Heat MB SC2 S 24.27 S 0.37541 S IN M-Heat MB SC2 S 24.27 S 0.37541 S IN M-Heat MB SC2 S 24.27 S 0.37541 S IN M-Heat MB SC2 S 24.27 S 0.37541 S IN M-Heat MB SC2 S 24.27 S 0.37541 S IN M-Heat MB SC2 S 24.27 S 0.37541 S IN M-Heat MB SC2 S 24.27 S 0.37541 S IN M-Heat MB SC2 S 24.27 S 0.37541 S IN M-Heat MB SC2 S 24.27 S 0.37541 S IN M-Heat MB SC2 S 24.27 S 0.37541 S IN M-Heat MB SC2 S 24.27 S 0.37541 S IN M-Heat MB SC2 S 24.27 S 0.37541 S IN M-Heat MB SC2 S 24.27 S 0.37541 S IN M-Heat MB SC2 S 24.27 S 0.37541 S IN M-Heat MB SC2 S 24.27 S 0.37541 S 0.37541 S IN M-Heat MB SC2 S 24.27 S 0.37541 S 0.37541 S IN M-Heat MB SC2 S 24.27 S 0.37541 S 0.37541 S IN M-Heat MB SC2 S 24.27 S 0.37541 S 0.37541 S IN M-Heat MB SC2 S 24.27 S 0.37541 S 0.37541 S IN M-Heat MB SC2 S 24.27 S 0.37541 S 0.37541 S IN M-Heat MB SC2 S 0.37541 S 0.37541 S IN M-Heat MB SC2 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.37541 S 0.32541 S 0.32541 S 0.32541 S 0.32541 S 0.32541 S 0.32541 S 0.32541	side	ential Heat	SC1	S	20.35	S	0.60404	° \$	0.10013	S	1			116,641,743	106,172,107	26,049,459		248,863,309	
Non-Heat         SC2         24,27         S         0.37541         S           Non-Heat MB         SC2         S         24,27         S         0.37541         S           Heat         SC2         S         24,27         S         0.37541         S           Heat MB         SC2         S         24,27         S         0.37541         S           IN Non-Heat MB         SC2         S         24,27         S         0.37541         S           IN Non-Heat MB         SC2         S         24,27         S         0.37541         S           IN Heat MB         SC2         S         24,27         S         0.37541         S           AB         SC2         S         24,27         S         0.37541         S           AB         SC2         S         24,27         S         0.37541         S           AB         SC2         S         24,27         S         0.37541         S           AB         SC3         S         24,27         S         0.37541         S           AB         SC3         S         S         0.37541         S         S         S         S	side	ential Heat MB	SC1	S	20.35	8	0.60404	° \$	0.10013	8	1			18,759,727	17,811,263	4,700,177		41,271,167	
Non-Heat MB         SCZ         \$ 24.27         \$ 0.37541         \$           Heat         SCZ         \$ 24.27         \$ 0.37541         \$           Heat         SCZ         \$ 24.27         \$ 0.37541         \$           Honn-Heat         SCZ         \$ 0.37541         \$         \$           I Non-Heat         SCZ         \$ 0.37541         \$         \$           I Heat MB         SCZ         \$ 0.37541         \$         \$           I Heat MB         SCZ         \$ 0.37541         \$         \$           I Heat MB         SCZ         \$ 0.37541         \$         \$           I Heat MB         SCZ         \$ 0.37541         \$         \$           I Heat MB         SCZ         \$ 0.37541         \$         \$           I Heat MB         SCZ         \$ 0.37541         \$         \$           I Heat MB         SCZ         \$ 0.37547         \$         \$         \$           I Heat MB         SCZ         \$ 0.37547         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$         \$	side	ential Non-Heat	SC2	S	24.27	8	0.37541	° \$	0.21838	\$ 0.	0.07002			33,461	4,407	0		37,867	
Heat         SC2         \$ 24.27         \$ 0.37541         \$           Heat MB         SC2         \$ 24.27         \$ 0.37541         \$           I Non-Heat MB         SC2         \$ 24.27         \$ 0.37541         \$           I Non-Heat MB         SC2         \$ 0.37541         \$         0.37541         \$           I Heat         SC2         \$ 0.37541         \$         0.37541         \$           I Heat         SC2         \$ 0.37541         \$         0.37541         \$           IB         SC2         \$ 0.37547         \$ 0.37541         \$           II Heat         SC3         \$ 0.37547         \$ 0.37541         \$           II Heat         SC3         \$ 0.37547         \$ 0.37541         \$           II Heat         SC3         \$ 0.12047         \$ 0.12041         \$           II Heat         SC3         \$ 0.12047         \$ 0.12041         \$           II Heat         SC3         \$ 0.12047         \$ 0.12041         \$           I Heat         SC3         \$ 0.12047         \$ 0.12041         \$           I Heat         SC3         \$ 0.12041         \$ 0.12041         \$           I Heat         SC3         \$	side	ential Non-Heat MB	SC2	S	24.27	S	0.37541	° S	0.21838	\$ 0.	0.07002			3,812	788	0		4,600	
Heat MB SC2 S 24.27 S 0.37541 S 10.00n-Heat SC2 S 24.27 S 0.37541 S 10.00n-Heat SC2 S 24.27 S 0.37541 S 10.00n-Heat SC2 S 24.27 S 0.37541 S 10.00n-Heat SC2 S 24.27 S 0.37541 S 10.00n-Heat SC2 S 24.27 S 0.37541 S 10.00n-Heat SC3 S 27.24 S 0.37541 S 10.00n-Heat SC3 S 27.24 S 0.37541 S 10.00n-Heat SC3 S 27.24 S 0.37541 S 10.00n-Heat SC3 S 27.24 S 0.37541 S 10.00n-Heat SC3 S 27.24 S 0.37541 S 10.00n-Heat SC3 S 27.24 S 0.12041 S 27.2 S 0.12041 S 27.2 S 0.12041 S 27.2 S 0.12041 S 27.2 S 0.12041 S 27.2 S 0.12041 S 27.2 S 0.00429 S 27.2 S 0.00429 S 27.2 S 0.00429 S 27.2 S 0.00429 S 27.2 S 0.00429 S 27.2 S 0.00429 S 27.2 S 0.00429 S 27.2 S 0.00429 S 27.2 S 0.00429 S 27.2 S 0.00429 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.2 S 0.00421 S 27.	ig.	ential Heat	SC2	S	24.27	S	0.37541	° \$	0.21838	\$ 0.	0.07002			458,285	506,278	145,914		1,110,477	
I Non-Heat         SC2         \$         24.27         \$         0.37541         \$           II Non-Heat         SC2         \$         24.27         \$         0.37541         \$           II Non-Heat         SC2         \$         24.27         \$         0.37541         \$           II Heat         SC2         \$         24.27         \$         0.37541         \$           AB         SC2         \$         24.27         \$         0.37541         \$           AB         SC2         \$         24.27         \$         0.37541         \$           AB         SC2         \$         24.27         \$         0.12041         \$           II Heat         SC3         \$         24.27         \$         0.12041         \$           II Heat         SC3         \$         781.27         \$         0.12041         \$           II Heat         SC3         \$         781.27         \$         0.12041         \$           II Heat         SC3         \$         1,270.53         \$         0.12041         \$           II Heat         SC12.8         \$         1,482.7         \$         0.05728         \$ <td>side</td> <td>ential Heat MB</td> <td>SC2</td> <td>S</td> <td>24.27</td> <td>8</td> <td>0.37541</td> <td>° \$</td> <td>0.21838</td> <td>\$ 0.</td> <td>0.07002</td> <td></td> <td></td> <td>89,046</td> <td>174,317</td> <td>115,532</td> <td></td> <td>378,896</td> <td></td>	side	ential Heat MB	SC2	S	24.27	8	0.37541	° \$	0.21838	\$ 0.	0.07002			89,046	174,317	115,532		378,896	
I Non-Heat MB         SCZ         \$         24.27         \$         0.37541         \$           II Heat         SCZ         \$         24.27         \$         0.37541         \$           II Heat         SCZ         \$         24.27         \$         0.37541         \$           AB         SCZ         \$         24.27         \$         0.37541         \$           AB         SCZ         \$         24.27         \$         0.37541         \$           I Non-Heat         SCZ         \$         24.27         \$         0.37541         \$           I I Heat         SCZ         \$         781.27         \$         0.12041         \$           SCZ         \$         781.27         \$         0.12041         \$         0.12041         \$           AB         SCZ         \$         781.27         \$         0.12041         \$         0.06429         \$           AB         SCI2-S         \$         1482.7         \$         0.06429         \$         \$         0.06429         \$         \$         0.06429         \$         \$         0.06429         \$         \$         0.06429         \$         \$         0.06429 <td>ш</td> <td>nercial Non-Heat</td> <td>SC2</td> <td>S</td> <td>24.27</td> <td>S</td> <td>0.37541</td> <td>°</td> <td>0.21838</td> <td>\$ 0.</td> <td>0.07002</td> <td></td> <td></td> <td>342,921</td> <td>400,063</td> <td>352,475</td> <td></td> <td>1,095,459</td> <td></td>	ш	nercial Non-Heat	SC2	S	24.27	S	0.37541	°	0.21838	\$ 0.	0.07002			342,921	400,063	352,475		1,095,459	
Il Heat         SC2         \$         24.27         \$         0.37541         \$           Il Heat MB         SC2         \$         24.27         \$         0.37541         \$           Il Heat         SC2         \$         24.27         \$         0.37541         \$           AB         SC2         \$         24.27         \$         0.37541         \$           Il Non-Heat         SC3         \$         781.27         \$         0.12041         \$           Il Heat         SC3         \$         781.27         \$         0.12041         \$           SC3         \$         781.27         \$         0.12041         \$           SC4         \$         781.27         \$         0.12041         \$           SC6         \$         781.27         \$         0.12041         \$           AB         SC12         \$         148.27         \$         0.06209         \$           AB         SC12-S         \$         148.27         \$         0.06429         \$           SM         SC12-S         \$         148.27         \$         0.06429         \$           SM         SC12-S         \$	Ħ	nercial Non-Heat MB	SC2	S	24.27	S	0.37541	°	0.21838	\$ 0.	0.07002			214,869	408,718	417,244		1,040,832	
Il Heat MB         SC2         \$ 24.27         \$ 0.37541         \$           AB         SC2         \$ 24.27         \$ 0.37541         \$           AB         SC2         \$ 24.27         \$ 0.37541         \$           Il Non-Heat         SC3         \$ 781.27         \$ 0.37541         \$           Il Heat         SC3         \$ 781.27         \$ 0.12041         \$           SC3         \$ 781.27         \$ 0.12041         \$         \$           SC4         \$ 781.27         \$ 0.12041         \$         \$           SC5         \$ 781.27         \$ 0.12041         \$         \$           SC6         \$ 781.27         \$ 0.12041         \$         \$           SC7         \$ 85         148.27         \$ 0.08491         \$           AB         SC12-S         \$ 148.27         \$ 0.06429         \$           SC12-S         \$ 148.27         \$ 0.06429         \$         \$           SC12-S         \$ 148.27         \$ 0.06429         \$         \$           SC12-S         \$ 1466.54         \$ 0.05728         \$         \$           SMMB         SC12-L         \$ 1401.27         \$ 0.06429         \$           SMMB	Ħ	nercial Heat	SC2	S	24.27	S	0.37541	° S	0.21838	\$ 0.	0.07002			8,134,863	13,822,934	12,894,223		34,852,021	
AB         SC2         \$ 24.27         \$ 0.37541         \$           Il Non-Heat         SC2         \$ 24.27         \$ 0.37541         \$           Il Non-Heat         SC3         \$ 781.27         \$ 0.12041         \$           Il Heat         SC3         \$ 781.27         \$ 0.12041         \$           SC3         \$ 781.27         \$ 0.12041         \$           SC6         \$ 781.27         \$ 0.12041         \$           SC6         \$ 781.27         \$ 0.12041         \$           SC7         \$ 619.74         \$ 0.12041         \$           SC7         \$ 619.74         \$ 0.02041         \$           AB         SC12-S         \$ 0.06974         \$           SC12-S         \$ 148.27         \$ 0.06429         \$           OO         SC12-S         \$ 0.06429         \$           SO         \$ 148.27         \$ 0.06429         \$           SO         \$ 148.27         \$ 0.06429         \$           SO         \$ 148.27         \$ 0.06429         \$           SO         \$ 148.27         \$ 0.06429         \$           SO         \$ 140.27         \$ 0.06429         \$           SO         \$ 140.	ш	nercial Heat MB	SC2	S	24.27	8	0.37541	° \$	0.21838	\$ 0.	0.07002			4,523,823	9,973,536	14,778,755		29,276,114	
AB         SC2         \$ 24.27         \$ 0.37541         \$           I Non-Heat         SC3         \$ 781.27         \$ 0.12041         \$           I Heat         SC3         \$ 781.27         \$ 0.12041         \$           port         SC3         \$ 781.27         \$ 0.12041         \$           scd         \$ 5         781.27         \$ 0.12041         \$           scd         \$ 5         619.74         \$ 0.0279         \$           scd         \$ 5         1,270.53         \$ 0.08279         \$           scd         \$ 5         1,270.53         \$ 0.08279         \$           scd         \$ 5         1,48.27         \$ 0.08279         \$           scd         \$ 5         1,48.27         \$ 0.06429         \$           db         \$ 5         1,40.27         \$ 0.06429         \$           scd         \$ 5         1,401.27         \$ 0.06429         \$           scd         \$ 5         1,401.27         \$ 0.06429         \$           scd         \$ 5         1,401.27         \$ 0.06429         \$           scd         \$ 5         1,401.27         \$ 0.06420         \$           scd         \$ 5 <td>dust</td> <td>trial</td> <td>SC2</td> <td>S</td> <td>24.27</td> <td>8</td> <td>0.37541</td> <td>° \$</td> <td>0.21838</td> <td>\$ 0.</td> <td>0.07002</td> <td></td> <td></td> <td>23,416</td> <td>64,884</td> <td>256,372</td> <td></td> <td>344,672</td> <td></td>	dust	trial	SC2	S	24.27	8	0.37541	° \$	0.21838	\$ 0.	0.07002			23,416	64,884	256,372		344,672	
I Non-Heat         SC3         \$         781.27         \$         0.12041         \$           II Heat         SC3         \$         781.27         \$         0.12041         \$           port         SC3         \$         781.27         \$         0.12041         \$           port         SC5         \$         781.27         \$         0.12041         \$           SC6         \$         781.27         \$         0.12041         \$         \$           SC7         \$         361.27         \$         0.12041         \$         \$         0.0279         \$         \$         0.0279         \$         \$         0.0279         \$         \$         0.02724         \$         0.02724         \$         0.06429         \$         \$         0.06429         \$         \$         0.06429         \$         \$         0.06429         \$         \$         0.06429         \$         \$         0.06429         \$         \$         0.06429         \$         \$         0.06429         \$         \$         0.06429         \$         \$         0.06429         \$         \$         \$         0.06429         \$         \$         \$         \$         0.06429	dust	trial MB	SC2	S	24.27	8	0.37541	) \$	0.21838	\$ 0.	0.07002			21,116	58,870	205,696		285,681	
IJ Heat         SC3         \$         781.27         \$         0.12041         \$           Port         SC3         \$         781.27         \$         0.12041         \$           Port         SC5         \$         781.27         \$         0.12041         \$           SC6         \$         781.27         \$         0.12041         \$         \$           SC7         \$         1,270.53         \$         0.08481         \$         \$         \$         \$         0.05074         \$         \$         \$         0.05074         \$         \$         \$         0.05074         \$         \$         \$         0.06429         \$         \$         0.06429         \$         \$         0.06429         \$         \$         0.06429         \$         \$         0.06429         \$         \$         0.06429         \$         \$         0.06429         \$         \$         0.06429         \$         \$         0.06429         \$         \$         0.06429         \$         \$         \$         0.06429         \$         \$         0.06429         \$         \$         0.06429         \$         \$         0.06429         \$         \$         \$ <td< td=""><td>m</td><td>nercial Non-Heat</td><td>SC3</td><td>S</td><td>781.27</td><td>8</td><td>0.12041</td><td>8</td><td>,</td><td>S</td><td>i</td><td></td><td></td><td>•</td><td>•</td><td>•</td><td></td><td>•</td><td></td></td<>	m	nercial Non-Heat	SC3	S	781.27	8	0.12041	8	,	S	i			•	•	•		•	
port         SC3         \$         781.27         \$         0.12041         \$           SC6         \$         619.74         \$         0.12041         \$           SC6         \$         619.74         \$         0.08279         \$           SC7         \$         1,270.33         \$         0.08481         \$           SC12-S         \$         1,270.33         \$         0.06481         \$           SC12-S         \$         1,48.27         \$         0.06090         \$           AB         SC12-S         \$         1,48.27         \$         0.06704         \$           OO         SC12-S         \$         1,48.27         \$         0.06429         \$           OO         SC12-S         \$         1,48.27         \$         0.06429         \$           OO         SC12-S         \$         466.54         \$         0.06429         \$           OO         SC12-S         \$         466.54         \$         0.04522         \$           SM         SC12-L         \$         1,401.27         \$         0.05728         \$           MB         SC12-L         \$         1,401.27         \$	ш	nercial Heat	SC3	\$	781.27	S	0.12041	S	•	S	,			280,633	766,364	•		1,046,996	
port         SC5         \$         619.74         \$         0.08279         \$           SC6         \$         361.27         \$         0.15930         \$           SC7         \$         1,270.53         \$         0.08481         \$           SC10         \$         1,270.53         \$         0.08481         \$           SC11-S         \$         1,4827         \$         0.06900         \$           AB         SC12-S         \$         148.27         \$         0.06074         \$           MB         SC12-S         \$         148.27         \$         0.06729         \$           00         SC12-S         \$         148.27         \$         0.06742         \$           00         SC12-S         \$         148.27         \$         0.06429         \$           00         SC12-S         \$         466.54         \$         0.06429         \$           NM         SC12-L         \$         1,401.27         \$         0.04522         \$           NM         SC12-L         \$         1,401.27         \$         0.05749         \$           NM         SC12-L         \$         1,401.27	dust	trial	SC3	\$	781.27	S	0.12041	S	•	S	,			84,315	225,821	•		310,136	
SC6         361.27         \$ 0.15930         \$           ndby         SC7         \$ 1,270.53         \$ 0.015930         \$           SC10         \$ 1,270.53         \$ 0.08481         \$           SC12-S         \$ 0.0677         \$ 0.0674         \$           AB         SC12-S         \$ 0.0677         \$ 0.0674         \$           AB         SC12-S         \$ 0.0677         \$ 0.0674         \$           OO         SC12-S         \$ 0.0674         \$ 0.0674         \$           OO         SC12-S         \$ 0.0674         \$ 0.0672         \$           OO         SC12-S         \$ 0.0674         \$ 0.0672         \$           OO         SC12-S         \$ 0.0672         \$ 0.0672         \$           SM         SC12-L         \$ 0.0452         \$ 0.0672         \$           SM         SC12-L         \$ 0.0452         \$ 0.0672         \$           SM         SC12-L         \$ 0.0452         \$ 0.0674         \$           SM         SC12-L         \$ 0.0452         \$ 0.0674         \$           SM         SC12-L         \$ 0.0452         \$ 0.0674         \$           MB         SC12-L         \$ 0.0674         \$ 0	[ m.	Transport	SC5	S	619.74	S	0.08279	S	,	S	,			1,175,027	6,762,812	1		7,937,839	
SC7 \$ 36.1.27 \$ 0.15930 \$ SC8 SC1.25 \$ 1,270.53 \$ 0.08481 \$ SC1.25 \$ \$ 0.06000 \$ SC1.25 \$ \$ 0.06704 \$ SC1.25 \$ \$ 0.06704 \$ SC1.25 \$ \$ 0.06704 \$ SC1.25 \$ \$ 0.06704 \$ SC1.25 \$ \$ 0.06704 \$ SC1.25 \$ \$ 0.06704 \$ SC1.25 \$ \$ 0.06704 \$ SC1.25 \$ \$ 0.06704 \$ SC1.25 \$ SC1.25 \$ \$ 0.06704 \$ SC1.25 \$ SC1.25 \$ \$ 0.06704 \$ SC1.25 \$ \$ 0.06704 \$ SC1.25 \$ \$ 0.06704 \$ SC1.25 \$ \$ 0.06704 \$ SC1.25 \$ \$ 0.06704 \$ SC1.25 \$ \$ 0.06704 \$ SC1.25 \$ SC1.25 \$ \$ 0.06704 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$ SC1.25 \$	%	ol IT	SC6											•	•	•	2,562,020	2,562,020	
SCR S 1,270.53 S 0.08481 S SCIO S - S 0.60900 S SCI2-S S 148.27 S 0.05074 S SCI2-S S 148.27 S 0.06429 S SCI2-S S 148.27 S 0.06429 S SCI2-S S 148.27 S 0.06429 S SCI2-S S 46.54 S 0.04522 S SCI2-S S 46.54 S 0.04522 S SCI2-L S 1401.27 S 0.05728 S SCI2-L S 1,401.27 S 0.05340 S SCI2-L S 1,401.27 S 0.00845 S SCI2-L S 1,401.27 S 0.00845 S SCI2-L S 1,401.27 S 0.00845 S SCI2-L S 1,401.27 S 0.00845 S SCI2-L S 1,401.27 S 0.00845 S SCI2-L S 1,401.27 S 0.00845 S SCI2-L S 1,401.27 S 0.00845 S SCI2-L S 1,401.27 S 0.00845 S SCI2-L S 1,401.27 S 0.00845 S SCI2-L S 1,401.27 S 0.00845 S SCI2-L S 1,401.27 S 0.00845 S SCI2-L S 1,401.27 S 0.00845 S SCI2-L S 1,401.27 S 0.00845 S SCI2-L S 1,401.27 S 0.00845 S SCI2-L S 1,401.27 S 0.00845 S SCI2-L S 1,401.27 S 0.00845 S SCI3-R S 27.56 S 0.03711 S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S SCI3-R S S SCI3-R S SCI3-R S S SCI3-R S SCI3-R S S SCI3-R S SCI3-R S S S S S S S S S S S S S S S S S S S	all	FT	SC7	<b>∽</b>	361.27	~	0.15930	S	,	8	ı			3,100,642	8,374,191	•		11,474,833	
SCIO \$	m 2	& Standby	SC8	S	1,270.53	8	0.08481	° \$	0.07981	\$	98890.0			914,782	4,925,679	13,615,605	1,517,048	20,973,113	
MB       SC12-5       \$ 148.27       \$ 0.05074       \$         MB       SC12-5       \$ 148.27       \$ 0.06429       \$         MB       SC12-5       \$ 0.06429       \$       \$         000       SC12-5       \$ 0.06424       \$ 0.06429       \$         000       SC12-5       \$ 466.54       \$ 0.04522       \$         000       SC12-5       \$ 466.54       \$ 0.04522       \$         5M       SC12-1       \$ 1401.27       \$ 0.04522       \$         5M       SC12-1       \$ 1401.27       \$ 0.04522       \$         5M       SC12-1       \$ 1401.27       \$ 0.04522       \$         5M       SC12-1       \$ 1401.27       \$ 0.04216       \$         5M       SC12-1       \$ 1401.27       \$ 0.04216       \$         5M       SC12-1       \$ 1401.27       \$ 0.00340       \$         6M       SC12-1       \$ 1401.27       \$ 0.00341       \$         7       SC12-1       \$ 1401.27       \$ 0.00341       \$         8       SC12-1       \$ 0.00340       \$       \$         8       SC12-1       \$ 0.00341       \$         8       SC12-1       \$ 0.0	$\geq$		SC10	S	•	8	0.60900	€9	1	8	1			1	103,395	1		103,395	
MB         SC12-S         \$         148.27         \$         0.06429         \$           MB         SC12-S         \$         148.27         \$         0.0429         \$           MB         SC12-S         \$         148.27         \$         0.0429         \$           000         SC12-S         \$         466.54         \$         0.04722         \$           000 MB         SC12-S         \$         466.54         \$         0.04722         \$           5M         SC12-L         \$         466.54         \$         0.04722         \$           5M         SC12-L         \$         1,401.27         \$         0.04216         \$           5M         MB         SC12-L         \$         1,401.27         \$         0.04216         \$           5M         B         SC12-L         \$         1,401.27         \$         0.04216         \$           5M         B         SC12-L         \$         1,401.27         \$         0.00340         \$           I         B         SC12-L         \$         1,401.27         \$         0.00341         \$           I         B         SC12-L         \$	Ž	250	SC12-S	S	148.27	~	0.05074	S	,	S	i			1,779	484	•		2,263	
MB         SC12-S         \$         148.27         \$         0.05074         \$           MB         SC12-S         \$         148.27         \$         0.0429         \$           000         SC12-S         \$         466.34         \$         0.04222         \$           000         MB         SC12-S         \$         466.54         \$         0.04522         \$           000         MB         SC12-S         \$         466.54         \$         0.04522         \$           5M         SC12-L         \$         1,401.27         \$         0.04216         \$           5M         SC12-L         \$         1,401.27         \$         0.04216         \$           5M         SC12-L         \$         1,401.27         \$         0.0340         \$           5M         SC12-L         \$         1,401.27         \$         0.00340         \$           1         SC12-L         \$         1,401.27         \$         0.00340         \$           IMB         SC12-L         \$         1,401.27         \$         0.00341         \$           MB         SC12-L         \$         1,401.27         \$         0.0	V	250	SC12-S	s	148.27	\$	0.06429	S		8	ı			•	450	1		450	
MB         SC12-S         \$         148.27         \$         0.06429         \$           000         SC12-S         \$         466.54         \$         0.04522         \$           000         MB         SC12-S         \$         466.54         \$         0.04522         \$           500         MB         SC12-S         \$         466.54         \$         0.04522         \$           5M         SC12-L         \$         1,401.27         \$         0.04216         \$           5M         SC12-L         \$         1,401.27         \$         0.04216         \$           5M         MB         SC12-L         \$         1,401.27         \$         0.04216         \$           5M         MB         SC12-L         \$         1,401.27         \$         0.00340         \$           1         MB         SC12-L         \$         1,401.27         \$         0.00845         \$           IMB         SC12-L         \$         1,401.27         \$         0.00845         \$           MB         SC12-L         \$         1,401.27         \$         0.00941         \$           MB         SC13-L         \$ </td <td>V</td> <td>250 MB</td> <td>SC12-S</td> <td><b>∽</b></td> <td>148.27</td> <td>~</td> <td>0.05074</td> <td>S</td> <td>,</td> <td>8</td> <td>ı</td> <td></td> <td></td> <td>1,779</td> <td>1,948</td> <td>•</td> <td></td> <td>3,727</td> <td></td>	V	250 MB	SC12-S	<b>∽</b>	148.27	~	0.05074	S	,	8	ı			1,779	1,948	•		3,727	
000         SC12-S         \$ 466.54         \$ 0.04522         \$           000         SC12-S         \$ 466.54         \$ 0.04522         \$           000 MB         SC12-S         \$ 466.54         \$ 0.05728         \$           5M         SC12-L         \$ 1,401.27         \$ 0.04216         \$           5M         SC12-L         \$ 1,401.27         \$ 0.04216         \$           5M         SC12-L         \$ 1,401.27         \$ 0.04216         \$           5M         SC12-L         \$ 1,401.27         \$ 0.04216         \$           5M         SC12-L         \$ 1,401.27         \$ 0.03340         \$           1         SC12-L         \$ 1,401.27         \$ 0.00340         \$           I         SC12-L         \$ 1,401.27         \$ 0.00845         \$           I         SC12-L         \$ 1,401.27         \$ 0.00845         \$           I         MB         SC12-L         \$ 0.00845         \$           MB         SC13-L         \$ 1,401.27         \$ 0.00945         \$           MB         SC13-L         \$ 0.00947         \$         \$ 0.00946         \$           NYSEG         \$ 0.03914         \$         \$ 0.03914         \$ </td <td>V</td> <td>250 MB</td> <td>SC12-S</td> <td>s</td> <td>148.27</td> <td>S</td> <td>0.06429</td> <td>S</td> <td>•</td> <td>s</td> <td>ı</td> <td></td> <td></td> <td>•</td> <td>1,212</td> <td>1</td> <td></td> <td>1,212</td> <td></td>	V	250 MB	SC12-S	s	148.27	S	0.06429	S	•	s	ı			•	1,212	1		1,212	
000         SC12-S         \$ 466.54         \$ 0.05728         \$           000 MB         SC12-S         \$ 466.54         \$ 0.04522         \$           5M         SC12-L         \$ 1,401.27         \$ 0.04216         \$           5M         SC12-L         \$ 1,401.27         \$ 0.04216         \$           5M         SC12-L         \$ 1,401.27         \$ 0.04216         \$           5M         MB         SC12-L         \$ 1,401.27         \$ 0.04216         \$           5M         MB         SC12-L         \$ 1,401.27         \$ 0.04216         \$           1         SC12-L         \$ 1,401.27         \$ 0.00340         \$           1         SC12-L         \$ 1,401.27         \$ 0.00845         \$           I MB         SC12-L         \$ 1,401.27         \$ 0.00845         \$           I MB         SC12-L         \$ 1,401.27         \$ 0.00845         \$           MB         SC13-L         \$ 0.0071         \$           SC13-L         \$ 1,401.27         \$ 0.00941         \$           MB         SC13-L         \$ 0.03914         \$           NYSEG         \$ 0.031.96         \$ 0.03914         \$           Nutract <t< td=""><td>23</td><td>50-1000</td><td>SC12-S</td><td>S</td><td>466.54</td><td>8</td><td>0.04522</td><td>S</td><td></td><td>S</td><td></td><td></td><td></td><td>•</td><td>•</td><td>•</td><td></td><td>•</td><td></td></t<>	23	50-1000	SC12-S	S	466.54	8	0.04522	S		S				•	•	•		•	
MB         SC12-S         \$ 466.54         \$ 0.04522         \$ 8           5M         SC12-L         \$ 1,401.27         \$ 0.04216         \$ 8           5M         SC12-L         \$ 1,401.27         \$ 0.05340         \$ 8           5M MB         SC12-L         \$ 1,401.27         \$ 0.05340         \$ 8           5M MB         SC12-L         \$ 1,401.27         \$ 0.06340         \$ 8           1         SC12-L         \$ 1,401.27         \$ 0.00340         \$ 8           I MB         SC12-L         \$ 1,401.27         \$ 0.00845         \$ 1           I MB         SC12-L         \$ 1,401.27         \$ 0.00845         \$ 1           I MB         SC12-L         \$ 1,401.27         \$ 0.00845         \$ 1           MB         SC12-L         \$ 1,401.27         \$ 0.00845         \$ 1           MB         SC13-L         \$ 1,401.27         \$ 0.00945         \$ 1           NYSEG         \$ 27.56         \$ 0.03914         \$ 3           Pomeration         SC14         \$ 0.03916         \$ 3           MB         SC13         \$ 27.56         \$ 0.03914         \$ 3           NYSEG         \$ 931.96         \$ 0.03771         \$ 3           SC3	23	50-1000	SC12-S	s	466.54	S	0.05728	S		s	ı			•	ı	1		1	
5M         SC12-S         \$ 466.54         \$ 0.05728         \$           5M         SC12-L         \$ 1,401.27         \$ 0.04216         \$           5M         SC12-L         \$ 1,401.27         \$ 0.04216         \$           5M         MB         SC12-L         \$ 0.4401.27         \$ 0.04340         \$           5M         MB         SC12-L         \$ 0.4401.27         \$ 0.03340         \$           5M         MB         SC12-L         \$ 0.4401.27         \$ 0.03340         \$           1         SC12-L         \$ 0.4401.27         \$ 0.00845         \$         \$           I         MB         SC12-L         \$ 0.4401.27         \$ 0.00845         \$           I         MB         SC12-L         \$ 0.4401.27         \$ 0.00845         \$           I         MB         SC12-L         \$ 0.00945         \$           I         MB         SC12-L         \$ 0.00945         \$           I         MB         SC13-L         \$ 0.00941         \$           I         SC13-L         \$ 0.03914         \$           I         SC14-L         \$ 0.03771         \$           I         SC2-L         \$ 0.03771         \$	23	50-1000 MB	SC12-S	S	466.54	↔	0.04522	S	•	↔				39,189	16,110	•		55,299	
5M SC12-L \$ 1,401.27 \$ 0.04216 \$ 5M SC12-L \$ 1,401.27 \$ 0.05340 \$ 5M MB SC12-L \$ 1,401.27 \$ 0.05340 \$ 5M MB SC12-L \$ 1,401.27 \$ 0.05340 \$ 5M MB SC12-L \$ 1,401.27 \$ 0.05340 \$ 1 SC12-L \$ 1,401.27 \$ 0.05340 \$ 1 SC12-L \$ 1,401.27 \$ 0.00845 \$ 1 MB SC12-L \$ 1,401.27 \$ 0.01071 \$ 1 MB SC12-L \$ 1,401.27 \$ 0.01071 \$ 1 MB SC12-L \$ 1,401.27 \$ 0.01071 \$ 1 SC13 \$ 27.56 \$ 0.03914 \$ 1 SC14 \$ 1.401.27 \$ 0.03771 \$ 1 SC14 \$ 1.401.27 \$ 0.03771 \$ 1 SC14 \$ 1.401.27 \$ 0.03771 \$ 1 SC15 \$ 1.401.27 \$ 0.03771 \$ 1 SC16 \$ 1.401.27 \$ 0.03771 \$ 1 SC17 \$ 1.401.27 \$ 0.03771 \$ 1 SC18 \$ 1.401.27 \$ 0.03771 \$ 1 SC19 \$ 1.401.27 \$ 0.03771 \$ 1 SC19 \$ 1.401.27 \$ 0.03771 \$ 1 SC19 \$ 1.401.27 \$ 0.03771 \$ 1 SC19 \$ 1.401.27 \$ 0.03771 \$ 1 SC19 \$ 1.401.27 \$ 0.03771 \$ 1 SC19 \$ 1.401.27 \$ 0.03771 \$ 1 SC19 \$ 1.401.27 \$ 0.03771 \$ 1 SC19 \$ 1.401.27 \$ 0.03771 \$ 1 SC19 \$ 1.401.27 \$ 0.03771 \$ 1 SC19 \$ 1.401.27 \$ 0.03771 \$ 1 SC19 \$ 1.401.27 \$ 0.03771 \$ 1 SC19 \$ 1.401.27 \$ 0.03771 \$ 1 SC19 \$ 1.401.27 \$ 1 SC19 \$ 1.401.27 \$ 0.03771 \$ 1 SC19 \$ 1.401.27 \$ 1 SC19 \$ 1.401.27 \$ 1 SC19 \$ 1.401.27 \$ 1 SC19 \$ 1.401.27 \$ 1 SC19 \$ 1.401.27 \$ 1 SC19 \$ 1.401.27 \$ 1 SC19 \$ 1.401.27 \$ 1 SC19 \$ 1.401.27 \$ 1 SC19 \$ 1.401.27 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 SC19 \$ 1 S	23	50-1000 MB	SC12-S	S	466.54	8	0.05728	€9		€	,			•	16,221	ı		16,221	
5M SC12-L S 1,401.27 S 0.05340 S 5M MB SC12-L S 1,401.27 S 0.05340 S 5M MB SC12-L S 1,401.27 S 0.04216 S 5M MB SC12-L S 1,401.27 S 0.03340 S 1 SC12-L S 1,401.27 S 0.00845 S 1 MB SC12-L S 1,401.27 S 0.01071 S 1 MB SC12-L S 1,401.27 S 0.01071 S 1 MB SC12-L S 1,401.27 S 0.01071 S 1 MB SC13-L S 1,401.27 S 0.03914 S 1 MB SC13-L S 27.56 S 0.03914 S 1 MB SC14-L S 27.56 S 0.03914 S 1 MB SC14-L S 27.56 S 0.03771 S 1 MB SC14-L S 27.56 S 0.03771 S 1 MB SC14-L S 27.56 S 0.03771 S 1 MB SC14-L S 27.56 S 0.03771 S 1 MB SC14-L S 27.56 S 0.03771 S 1 MB SC14-L SC14-L S 27.56 S 0.03771 S 1 MB SC14-L SC14-L S 27.56 S 0.03771 S	Ξ	M-2.5M	SC12-L	ss ·	1,401.27	s.	0.04216	ر چ	0.03615	s ·	1			•	1	1			
SM MB SC12-L \$ 1,401.27 \$ 0.04216 \$ SM MB SC12-L \$ 1,401.27 \$ 0.04216 \$ SM MB SC12-L \$ 1,401.27 \$ 0.05340 \$ S I SC12-L \$ 1,401.27 \$ 0.00845 \$ S I MB SC12-L \$ 1,401.27 \$ 0.00845 \$ S I MB SC12-L \$ 1,401.27 \$ 0.01071 \$ S I MB SC13-L \$ 1,401.27 \$ 0.01071 \$ S I MB SC13-L \$ 1,401.27 \$ 0.01071 \$ S I MB SC13-L \$ 1,401.27 \$ 0.01071 \$ S I MB SC13-L \$ 1,401.27 \$ 0.03914 \$ S I MB SC13-L \$ 1,401.27 \$ 0.03914 \$ S I MB SC14-L \$ 1,401.27 \$ 0.03914 \$ S I MB SC14-L \$ 1,401.27 \$ 0.03914 \$ S I MB SC14-L \$ 1,401.27 \$ 0.03914 \$ S I MB SC14-L \$ 1,401.27 \$ 0.03914 \$ S I MB SC14-L \$ 1,401.27 \$ 0.03771 \$ S I MB SC14-L \$ 1,401.27 \$ 0.03771 \$ S I MB SC14-L \$ 1,401.27 \$ 0.03771 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC14-L \$ 1,401.27 \$ S I MB SC	= :	M-2.5M	SC12-L	so (	1,401.27	<b>6</b>	0.05340	ج	0.04578	<b>69</b> (					1 (	,		1 1	
SM MB SC12-L \$ 1,401.27 \$ 0.05340 \$ 1,401.27 \$ 0.05340 \$ 1,401.27 \$ 0.00845 \$ 1,401.27 \$ 0.00845 \$ 1,401.27 \$ 0.00845 \$ 1,401.27 \$ 0.0071 \$ 1,401.27 \$ 0.0071 \$ 1,401.27 \$ 0.0071 \$ 1,401.27 \$ 0.0071 \$ 1,401.27 \$ 0.0071 \$ 1,401.27 \$ 0.0071 \$ 1,401.27 \$ 0.0071 \$ 1,401.27 \$ 0.0071 \$ 1,401.27 \$ 0.0071 \$ 1,401.27 \$ 0.0071 \$ 1,401.27 \$ 0.0071 \$ 1,401.27 \$ 0.0071 \$ 1,401.27 \$ 0.0071 \$ 1,401.27 \$ 0.0071 \$ 1,401.27 \$ 0.0071 \$ 1,401.27 \$ 0.0071 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$ 1,401.27 \$	= :	M-2.5M MB	SC12-L	<b>9</b>	1,401.27	<b>69</b>	0.04216	ر ج	0.03615	<b>69</b>				50,446	123,869			174,315	
SCI2-L	=	M-2.5M MB	SC12-L	<b>%</b>	1,401.27	<b>∽</b>	0.05340	s S	0.04578	<b>%</b>	ı			1	107,848	1		107,848	
MB	V	2.5M	SC12-L	S	1,401.27	8	0.00845	€		€	,			•	1	ı		1	
IMB       SCI2-L       \$       1,401.27       \$       0.00845         IMB       SCI2-L       \$       1,401.27       \$       0.01071         SCI3       \$       27.56       \$       0.03914         MB       SCI3       \$       27.56       \$       0.03914         eneration       SCI4       \$       27.56       \$       0.03914         nortact       SC9       931.96       \$       0.03771         Round       Round       Round       8       8	Λ	2.5M	SC12-L	S	1,401.27	S	0.01071	S		S				•	•			,	Pa
IMB         SCI2-L         \$ 1,401.27         \$ 0.01071           SCI3         \$ 27.56         \$ 0.03914           MB         SCI3         \$ 27.56         \$ 0.03914           eneration         SCI4         \$ 27.56         \$ 0.0371           nontract         SC9         \$ 0.03771	V	2.5M MB	SC12-L	S	1,401.27	↔		€	,	S	,	s	0.86534	33,630	39,532			73,162 ge	ıge
SC13         \$         27.56         \$         0.03914           MB         SC13         \$         27.56         \$         0.03914           eneration         SC14         \$         0.0371         NYSEG         \$         0.03771           ontract         SC9         Round         Round         SC3         SC3         SC3	Λ	2.5M MB	SC12-L	S	1,401.27	S		S		S	ı	s	0.86534	•	46,363	•	406,195		2
MB SC13 \$ 27.56 \$ 0.03914 eneration SC14 \$ 931.96 \$ 0.03771 antract SC9 Round	Š	ales	SC13	S	27.56	~	0.03914	S		S	ı			992	137	1		1,129	01
eneration SC14  NYSEG \$ 931.96 \$ 0.03771  ontract SC9  Round	Š	ales MB	SC13	S	27.56	8	0.03914	S		S				•	•	•			. 2
NYSEG \$ 931.96 \$ 0.03771 SC9 Round	Ħ	ic Generation	SC14												•		12,980,863	12,980,863	
ontract	$_{ m SE}$	3 <u>G</u>	NYSEG	S	931.96	s	_	s	,	s	ı	s	0.59557	11,184	113,423	1	214,405	339,012	
	:Ci3	al Contract	SC9											•	ı	ı	4,007,632	4,007,632	
	nuc	ding	Round										ļ						
													II	161,818,520	161,818,520 172,820,568	73,648,394	21,688,163	429,975,645	

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Appendix 3
Schedule 4.4A
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Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Calculation of Proposed Rates- Year 4

	tblRates_LvlYr4	Yr4							•				
					Rate Year 3	Rate Year 3 Rates Before Surcredit	e Surcredit				Rate Year 4 Rates Revenue	ates Revenue	
Line	Rate	SC	Block (CC)	ck 1 C)	Block 2	Block 3	Block 4	Demand	Block 2 dth	Target	Customer Charge	Demand Charge	Volumetric
-	SC1	SCI	\$	20.35	\$ 0.60404	\$ 0.10013				298,925,003	142,278,511	1	156,646,491
7	SC2	SC2	\$	24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002			68,426,619	13,845,612	1	54,581,007
$\epsilon$	SC3	SC3	\$	781.27	\$ 0.12041				824,005	1,357,132	364,947	•	992,185
4	SC5	SC5	9	619.74	\$ 0.08279					7,937,839	1,175,027	1	6,762,812
5	SC6	SC6								2,562,020	1	2,562,020	ı
9	SC7	SC7	\$	361.27	\$ 0.15930					11,474,833	3,100,642	1	8,374,191
7	SC8	SC8	\$ 1,2	1,270.53	\$ 0.08481	\$ 0.07981	\$ 0.06886		24,157,667	20,973,113	914,782	1,517,048	18,541,284
∞	SC10	SC10			\$ 0.60900					103,395	1	ı	103,395
6													
10	SC12-S1	SC12-S	\$	148.27	\$ 0.05074					79,172	42,748	1	36,425
11	SC12-S1W			148.27	\$ 0.06429								
12	SC12-S2			466.54	\$ 0.04522								
13	SC12-S2W		\$	466.54	\$ 0.05728								
14													
15	SC12-L1	SC12-L	\$ 1,401.27		\$ 0.04216	\$ 0.03615				807,884	84,076	406,195	317,612
16	SC12-L1W		\$ 1,401.27		\$ 0.05340	\$ 0.04578							
17	SC12-L2		\$ 1,401.27		\$ 0.00845			\$ 0.86534					
18	SC12-L2W		\$ 1,4	1,401.27	\$ 0.01071			\$ 0.86534					
19													
20	SC13	SC13	\$	27.56	\$ 0.03914					1,129	992	ı	137
21	SC14	SC14								12,980,863		12,980,863	ı
22	NYSEG	NYSEG	\$	31.96	931.96 \$ 0.03771			\$ 0.59557		339,012	11,184	214,405	113,423
23	SC9	SC9								4,007,632		4,007,632	ı
24	Round	Round							•				
25										429,975,645	161,818,520	21,688,163	246,468,962

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Calculation of Proposed Rates- Year 4

												0.000						0.000									
		Demand															•		0.86534	0.86534				0.61579			
	Rate Year 4 Proposed Rates Before Surcredit	Block 4		\$ 0.07002					\$ 0.06886										€	\$				\$			
	Proposed Rate	Block 3	\$ 0.10013	\$ 0.21838					\$ 0.07981								\$ 0.03615	\$ 0.04578									
	Rate Year 4 I	Block 2	\$ 0.60404	\$ 0.37541	\$ 0.12041	\$ 0.08279		\$ 0.15930	\$ 0.08481	\$ 0.60900		\$ 0.05074	\$ 0.06429	\$ 0.04522	\$ 0.05728		\$ 0.04216	\$ 0.05340	\$ 0.00845	\$ 0.01071		\$ 0.03914		\$ 0.03899			
		Block 1 (CC)	\$ 20.35	\$ 24.27	\$ 781.27	\$ 619.74		\$ 361.27	\$ 1,270.53			\$ 148.27	\$ 148.27	\$ 466.54	\$ 466.54		\$ 1,401.27	\$ 1,401.27	\$ 1,401.27	\$ 1,401.27		\$ 27.56		\$ 963.60			
		Volumetric % Increase	0.00%	0.00%	0.00%	0.00%		0.00%	0.00%	0.00%												0.00%		3.39%			(7.56%)
		Volumetric Year 4 at Year 3 Rates	156,646,491	54,581,007	992,185	6,762,812	2,562,020	8,374,191	18,541,284	103,395		36,425					723,807					137	12,980,863	327,828	4,007,632		266,640,077
Yr4		SC	SC1	SC2	SC3	SCS	SC6	SC7	SC8	SC10		SC12-S					SC12-L					SC13	SC14	NYSEG	SC9	Round	
tblRates_LvlYr4		Rate	SC1	SC2	SC3	SC5	SC6	SC7	SC8	SC10		SC12-S1	SC12-S1W	SC12-S2	SC12-S2W		SC12-L1	SC12-L1W	SC12-L2	SC12-L2W		SC13	SC14	NYSEG	SC9	Round	
		Line	_	7	$\epsilon$	4	5	9	7	∞	6	10			13	7	15	16			19	20	21	22	23	24	25

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Calculation of Proposed Rates-Year 4

	tblRates_LvlYr4	Yr4									
			Billing Units	Rate Year 4	Rate Year 4 Revenue at Proposed Rates	osed Rates		Surcredit	edit		
Line	Rate	SC	Block 2	Total	CC, Blocks 3- 4, Demand	Difference to Target	Block 2	Block 3	Block 4	Demand	Surcredit Ratio
-	SC1	SCI	20,823,110	298,925,003	30,866,577	1	\$ (0.00385)	\$ (0.00064)			26.3%
7	SC2	SC2	6,769,877	68,426,619	29,166,212	•	\$ (0.00224)	\$ (0.00224) \$ (0.00130) \$ (0.00041)	\$ (0.00041)		34.2%
$\epsilon$	SC3	SC3	824,005	1,357,132	•	•	\$ (0.00121)				41.7%
4	SC5	SC5	8,168,634	7,937,839		•	\$ (0.00061)				40.0%
S	SC6	SC6	4,814,828	2,562,020	2,562,020	•					
9	SC7	SC7	5,256,868	11,474,833		•	\$ (0.00105)				35.5%
7	SC8	SC8	5,807,899	20,973,113	15,132,653	•	\$ (0.00046)	\$ (0.00046) \$ (0.00043) \$ (0.00037)	\$ (0.00037)		34.5%
∞	SC10	SC10	16,978	103,395		•					
6											
10	SC12-S1	SC12-S	71,322	79,172	42,748	1					
Π	SC12-S1W		ı								
12	SC12-S2										
13	SC12-S2W										
14			•								
15	SC12-L1	SC12-L	1,396,499	807,884	490,271	•					
16	SC12-L1W		1								
17	SC12-L2		1	1							
18	SC12-L2W		•								
19			1								
20	SC13	SC13	350	1,129	992	•					
21	SC14	SC14	48,852,114	12,980,863	12,980,863	•					
22	NYSEG	NYSEG	300,777	339,012	225,589	•					
23	SC9	SC9	8,278,305	4,007,632	4,007,632	•					
24	Round	Round	64	12	-						
25			111,381,630	429,975,657	95,475,557						

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Calculation of Proposed Rates- Year 4

	tblRates_LvlYr4	!Yr4							
					Tax Credit				
Line	Rate	SC	Block 2	Block 3	Block 4	Demand	Tax Credit Ratio	Actual Tax Credit	Target
	SC1	SCI	\$ (0.04117)	\$ (0.00683)			99.4%	(10,678,325)	(10,679,191)
	SC2	SC2	\$ (0.02082)	\$ (0.01212) \$ (0.00388)	\$ (0.00388)		%9.66	(3,028,045)	(3,027,077)
	SC3	SC3	\$ (0.00655)				100.0%	(53,972)	(53,779)
	SC5	SC5	\$ (0.00179)				100.0%	(146,219)	(143,829)
	SC6	SC6				•			
9	SC7	SC7	\$ (0.00843)				98.4%	(443,154)	(443,577)
7	SC8	SC8	\$ (0.00226)	\$ (0.00226) \$ (0.00214) \$ (0.00183)	\$ (0.00183)		99.1%	(494,802)	(494,855)
∞	SC10	SC10				-			
6									
01	SC12-S1	SC12-S	\$ (0.00606)				100.0%	(290)	(40,022)
_	SC12-S1W		\$ (0.00769)					(199)	
2	SC12-S2		\$ (0.00540)					(1,924)	
13	SC12-S2W		\$ (0.00684)					(1,937)	
4									
15	SC12-L1	SC12-L	\$ (0.00504) \$ (0.00432)	\$ (0.00432)				(14,808)	
16	SC12-L1W		\$ (0.00638)	\$ (0.00547)				(12,885)	
17	SC12-L2		\$ (0.00100)			\$ (0.10339)		(4,678)	
18	SC12-L2W		\$ (0.00127)			\$ (0.10339)		(5,498)	
19									
20	SC13	SC13							
21	SC14	SC14							
22	NYSEG	NYSEG	\$ (0.00011)			\$ (0.00176)	100.0%	(6,667)	(6,670)
23	SC9	SC9							
24	Round	Round					ļ		
25								(14,893,403)	(14,889,000)

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Level Year 4 Revenue at Year 3 Rates

Description	Ş	Customers	Rlock 1	Block 2	Rlock 3	Rlock 4	Total	Demand
mondi neco	3	c rationer a	DIOCK I	DIOCK 2	DIOCK	DIOCK 4	ıoraı	Units
Residential Non-Heat	SC1	26,095	62,160	273,392	109,310	1	444,862	
Residential Non-Heat MB	SCI	2,067	5,447	24,029	7,480		36,956	
Residential Heat	SC1	477,648	1,612,273	17,576,999	26,015,639	•	45,204,911	
Residential Heat MB	SCI	76,821	265,345	2,948,689	4,694,074		7,908,109	
Residential Non-Heat	SC2	115	270	1,174	ı	0	1,443	
Residential Non-Heat MB	SC2	13	34	210	1	0	243	
Residential Heat	SC2	1,574	4,614	134,860	64,821	6,225	210,520	
Residential Heat MB	SC2	306	096	46,434	52,195	2,214	101,802	
Commercial Non-Heat	SC2	1,177	3,415	106,567	140,575	64,965	315,522	
Commercial Non-Heat MB	SC2	738	2,301	108,872	186,845	13,158	311,176	
Commercial Heat	SC2	27,932	79,617	3,682,090	5,454,399	1,403,752	10,619,858	
Commercial Heat MB	SC2	15,533	47,971	2,656,705	6,442,586	1,013,191	10,160,452	
Industrial	SC2	80	235	17,283	107,299	31,496	156,314	
Industrial MB	SC2	73	231	15,681	83,607	33,013	132,532	
Commercial Non-Heat	SC3	ı	,	,	ı	,	•	
Commercial Heat	SC3	30	127,062	636,462	,	,	763,524	
Industrial	SC3	6	40,366	187,544	•		227,909	
Firm Transport	SC5	158	17,621	8,168,634	•	,	8,186,255	
Lg Vol IT	9OS	15	1,800	4,814,828	•	•	4,816,628	
Small FT	SC7	715	1,391,467	5,256,868	,	,	6,648,336	
Firm & Standby	SC8	09	6,980	5,807,899	8,949,358	9,400,410	24,164,647	
NGV	SC10	2		16,978	•	•	16,978	
DG <250	SC12-S	_		954			954	
DG <250	SC12-S			700			700	
DG <250 MB	SC12-S	1		3,840			3,840	
DG <250 MB	SC12-S			1,885			1,885	
DG 250-1000	SC12-S	•		ı			•	
DG 250-1000	SC12-S			•			•	
DG 250-1000 MB	SC12-S	7		35,625			35,625	
DG 250-1000 MB	SC12-S			28,318			28,318	
DG 1M-2.5M	SC12-L	1		•	•		•	
DG 1M-2.5M	SC12-L			ı	,		•	
DG 1M-2.5M MB	SC12-L	3		293,808	1		293,808	
DG 1M-2.5M MB	SC12-L			201,962	•		201,962	
DG >2.5M	SC12-L			•	1			
DG >2.5M	SC12-L			1	•		•	
DG >2.5M MB	SC12-L	2		467,832	1		467,832	
DG >2.5M MB	SC12-T			432,898	•		432,898	469,405
DG Sales	SC13	3	11	350	•	•	360	
DG Sales MB	SC13	1		1	1	,	•	
Electric Generation	SC14	S		48,852,114	1	,	48,852,114	
NYSEG	NYSEG	-	1	300,777	1	,	300,777	360,000
Special Contract	SC9	5	1	8,278,305	1	,	8,278,305	
Rounding	Round	•	•	2	,	•	2	

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Level Year 4 Revenue at Year 3 Rates

			,			9			•				
			Level Year	I Year 3 Prop	r 3 Proposed Kates Betore Surcredit	setore Surcr	edit		Leve	Level Year 4 Kevenue at Year 5 Kates	ue at Year 3 K	ates	
Line	Description	sc	CC)	Block 2	Block 3	Block 4	Demand	Block 1 (CC)	Block 2	Block 3	Block 4	Revenue	Total
-	Residential Non-Heat	SC1	\$ 20.35	\$ 0.60404	\$ 0.10013			6,372,395	1,651,399	109,452			8,133,245
2	Residential Non-Heat MB	SC1	\$ 20.35	\$ 0.60404	\$ 0.10013			504,647	145,146	7,489	•		657,282
3	Residential Heat	SC1	\$ 20.35	\$ 0.60404	\$ 0.10013			116,641,743	106,172,107	26,049,459			248,863,309
4	Residential Heat MB	SC1	\$ 20.35	\$ 0.60404	\$ 0.10013			18,759,727	17,811,263	4,700,177	•		41,271,167
5	Residential Non-Heat	SC2	\$ 24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002		33,461	4,407	•	0		37,867
9	Residential Non-Heat MB	SC2	\$ 24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002		3,812	788	•	0		4,600
7	Residential Heat	SC2	\$ 24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002		458,285	506,278	141,555	4,359		1,110,477
∞	Residential Heat MB	SC2	\$ 24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002		89,046	174,317	113,982	1,550		378,896
6	Commercial Non-Heat	SC2	\$ 24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002		342,921	400,063	306,987	45,489		1,095,459
10	Commercial Non-Heat MB	SC2	\$ 24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002		214,869	408,718	408,031	9,213		1,040,832
11	Commercial Heat	SC2	\$ 24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002		8,134,863	13,822,934	11,911,316	982,907		34,852,021
12	Commercial Heat MB	SC2	\$ 24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002		4,523,823	9,973,536	14,069,319	709,436		29,276,114
13	Industrial	SC2	\$ 24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002		23,416	64,884	234,319	22,054		344,672
14	Industrial MB	SC2	\$ 24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002		21,116	58,870	182,580	23,116		285,681
15	Commercial Non-Heat	SC3	\$ 781.27	\$ 0.12041				•	1	1	ı		
16	Commercial Heat	SC3	\$ 781.27	\$ 0.12041				280,633	766,364	1	1		1,046,996
17	Industrial	SC3	\$ 781.27	\$ 0.12041				84,315	225,821	•	•		310,136
18	Firm Transport	SC5	\$ 619.74	\$ 0.08279				1,175,027	6,762,812	•	•		7,937,839
19	Lg Vol IT	SC6						1		•	1	2,562,020	2,562,020
20	Small FT	SC7	\$ 361.27	\$ 0.15930				3,100,642	8,374,191	1	•		11,474,833
21	Firm & Standby	SC8	\$ 1,270.53	\$ 0.08481	\$ 0.07981	\$ 0.06886		914,782	4,925,679	7,142,482	6,473,122	1,517,048	20,973,113
22	NGV	SC10		\$ 0.60900				•	103,395	,	1		103,395
23	DG <250	SC12-S	\$ 148.27	\$ 0.05074				1,779	484	•	1		2,263
24	DG <250	SC12-S	\$ 148.27	\$ 0.06429				•	450	,	,		450
25	DG <250 MB	SC12-S	\$ 148.27	\$ 0.05074				1,779	1,948	1	ı		3,727
26	DG <250 MB	SC12-S		\$ 0.06429					1,212	,	1		1,212
27	DG 250-1000	SC12-S		\$ 0.04522				•	1	•	1		•
28	DG 250-1000	SC12-S		\$ 0.05728				•	,	,			
29	DG 250-1000 MB	SC12-S		\$ 0.04522				39,189	16,110	,			55,299
30	DG 250-1000 MB	SC12-S	\$ 466.54	\$ 0.05728				1	16,221	1	ı		16,221
31	DG 1M-2.5M	SC12-L	\$ 1,401.27	\$ 0.04216	\$ 0.03615			•	1	,	1		
32	DG 1M-2.5M	SC12-L	\$ 1,401.27	\$ 0.05340	\$ 0.04578			1	1	1	1		
33	DG 1M-2.5M MB	SC12-L	\$ 1,401.27	\$ 0.04216	\$ 0.03615			50,446	123,869	•	1		174,315
34	DG 1M-2.5M MB	SC12-L	\$ 1,401.27	\$ 0.05340	\$ 0.04578			•	107,848	•	•		107,848
35	DG >2.5M	SC12-L	\$ 1,401.27	\$ 0.00845			\$ 0.86534	1		1	1		
36	DG >2.5M	SC12-L	\$ 1,401.27	\$ 0.01071			\$ 0.86534	•	1	,	1		
37	DG >2.5M MB	SC12-L	\$ 1,401.27	\$ 0.00845			\$ 0.86534	33,630	39,532	,	,		73,162
38	DG >2.5M MB	SC12-L	\$ 1,401.27	\$ 0.01071			\$ 0.86534	1	46,363	1	ı	406,195	452,558
39	DG Sales	SC13		\$ 0.03914				992	137	,	1		1,129
40	DG Sales MB	SC13	\$ 27.56	\$ 0.03914				•	1	•	1		•
41	Electric Generation	SC14						•	•	•	1	12,980,863	12,980,863
42	NYSEG	NYSEG	\$ 931.96	\$ 0.03771			\$ 0.59557	11,184	113,423	,	1	214,405	339,012
43	Special Contract	SC9						•	1	,	1	4,007,632	4,007,632
44	Rounding	Round											
45								161,818,520	172,820,568	65,377,148	8,271,246	21,688,163	429,975,645

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Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Level Year 4 Rates and Revenue

			1					1	
Line	Description	SC	Customers	Block 1	Block 2	Block 3	Block 4	Total	Demand Units
1 Re	Residential Non-Heat	SC1	26,095	62,160	273,392	109,310		444,862	
2 Rc	Residential Non-Heat MB	SC1	2,067	5,447	24,029	7,480	•	36,956	
3 Re	Residential Heat	SC1	477,648	1,612,273	17,576,999	26,015,639		45,204,911	
4 Re	Residential Heat MB	SC1	76,821	265,345	2,948,689	4,694,074	•	7,908,109	
5 R	Residential Non-Heat	SC2	115	270	1,174	1	0	1,443	
6 Re	Residential Non-Heat MB	SC2	13	34	210	1	0	243	
7 Re	Residential Heat	SC2	1,574	4,614	134,860	64,821	6,225	210,520	
8 R	Residential Heat MB	SC2	306	096	46,434	52,195	2,214	101,802	
ŭ	Commercial Non-Heat	SC2	1,177	3,415	106,567	140,575	64,965	315,522	
o e	Commercial Non-Heat MB	SC2	738	2,301	108,872	186,845	13,158	311,176	
ر ت	Commercial Heat	SC2	27,932	79,617	3,682,090	5,454,399	1,403,752	10,619,858	
12 C	Commercial Heat MB	SC2	15,533	47,971	2,656,705	6,442,586	1,013,191	10,160,452	
13 In	Industrial	SC2	80	235	17,283	107,299	31,496	156,314	
14 In	Industrial MB	SC2	73	231	15,681	83,607	33,013	132,532	
15 C	Commercial Non-Heat	SC3	•		•	•		•	
16 C	Commercial Heat	SC3	30	127,062	636,462	•		763,524	
17 In	Industrial	SC3	6	40,366	187,544	•		227,909	
.E	Firm Transport	SC5	158	17,621	8,168,634	1	•	8,186,255	
19 Lg	Lg Vol IT	SC6	15	1,800	4,814,828		•	4,816,628	
20 Sr	Small FT	SC7	715	1,391,467	5,256,868			6,648,336	
21 Fi	Firm & Standby	SC8	09	6,980	5,807,899	8,949,358	9,400,410	24,164,647	
22 N(	NGV	SC10	2		16,978	ı	•	16,978	
23 DC	DG <250	SC12-S	1		954			954	
24 DC	DG <250	SC12-S			700			700	
25 DO	DG <250 MB	SC12-S	1		3,840			3,840	
	DG <250 MB	SC12-S			1,885			1,885	
27 De	DG 250-1000	SC12-S			1			•	
28 DC	DG 250-1000	SC12-S			•			•	
29 DC	DG 250-1000 MB	SC12-S	7		35,625			35,625	
30 D	DG 250-1000 MB	SC12-S			28,318			28,318	
Ō _	DG 1M-2.5M	SC12-L	•		•	•		•	
32 De	DG 1M-2.5M	SC12-L			•	ı		•	
33 D	DG 1M-2.5M MB	SC12-L	33		293,808	•		293,808	
34 D	DG 1M-2.5M MB	SC12-L			201,962	ı		201,962	
35 D	DG >2.5M	SC12-L	•		•	1		•	
36 De	DG >2.5M	SC12-L			•	1		•	
37 DC	DG >2.5M MB	SC12-L	2		467,832	•		467,832	
38 D	DG >2.5M MB	SC12-L			432,898	1		432,898	469,405
39 D	DG Sales	SC13	3	11	350	ı	•	360	
40 D	DG Sales MB	SC13	•		•	1		•	
41 El	Electric Generation	SC14	5	,	48,852,114	•	•	48,852,114	
42 N	NYSEG	NYSEG	1	1	300,777	1	1	300,777	360,000
43 Sp	Special Contract	SC9	5	1	8,278,305	1	1	8,278,305	
44 RG	Rounding	Round			64			64	
45			631,188	3,670,181	111,381,630	52,308,184	11,968,424	179,328,419	829,405

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Level Year 4 Rates and Revenue

						Level Year	3 Pr	ar 3 Proposed Rates	ıtes					Level Year 3	Level Year 3 Proposed Rates Revenue	Revenue	
Line	Description	sc	Block 1 (CC)	(CC)		Block 2	1	Block 3	Blo	Block 4	Dei	Demand	Block 1 (CC)	Block 2	Blocks 3-4	Demand Revenue	Total
-	Residential Non-Heat	SCI	s	20.35	S	0.60404	S	0.10013	s	1			6,372,395	1,651,399	109,452		8,133,245
2	Residential Non-Heat MB	SC1	S	20.35	S	0.60404	8	0.10013	S	,			504,647	145,146	7,489		657,282
3	Residential Heat	SC1	S	20.35	S	0.60404	S	0.10013	8	,			116,641,743	106,172,107	26,049,459		248,863,309
4	Residential Heat MB	SCI	S	20.35	s	0.60404	8	0.10013	8	,			18,759,727	17,811,263	4,700,177		41,271,167
2	Residential Non-Heat	SC2	S	24.27	S	0.37541	S	0.21838	\$	0.07002			33,461	4,407	0		37,867
9	Residential Non-Heat MB	SC2	S	24.27	S	0.37541	8	0.21838	8	0.07002			3,812	788	0		4,600
7	Residential Heat	SC2	S	24.27	S	0.37541	8	0.21838	\$	0.07002			458,285	506,278	145,914		1,110,477
∞	Residential Heat MB	SC2	S	24.27	S	0.37541	S	0.21838	\$	0.07002			89,046	174,317	115,532		378,896
6	Commercial Non-Heat	SC2	S	24.27	S	0.37541	S	0.21838	\$	0.07002			342,921	400,063	352,475		1,095,459
10	Commercial Non-Heat MB	SC2	S	24.27	S	0.37541	S	0.21838	\$	0.07002			214,869	408,718	417,244		1,040,832
11	Commercial Heat	SC2	S	24.27	S	0.37541	S	0.21838	\$	0.07002			8,134,863	13,822,934	12,894,223		34,852,021
12	Commercial Heat MB	SC2	\$	24.27	S	0.37541	S	0.21838	\$	0.07002			4,523,823	9,973,536	14,778,755		29,276,114
13	Industrial	SC2	S	24.27	S	0.37541	S	0.21838	\$	0.07002			23,416	64,884	256,372		344,672
14	Industrial MB	SC2	S	24.27	S	0.37541	S	0.21838	\$	0.07002			21,116	58,870	205,696		285,681
15	Commercial Non-Heat	SC3	S	781.27	S	0.12041	S	•	8	,			•	1			•
16	Commercial Heat	SC3	S	781.27	S	0.12041	S	•	8				280,633	766,364	,		1,046,996
17	Industrial	SC3	S	781.27	S	0.12041	S	•	8				84,315	225,821	,		310,136
18	Firm Transport	SC5	S	619.74	S	0.08279	S	•	8				1,175,027	6,762,812	,		7,937,839
19	Lg Vol IT	SC6											•	•		2,562,020	2,562,020
20	Small FT	SC7	S	361.27	€	0.15930	S	•	S	,			3,100,642	8,374,191			11,474,833
21	Firm & Standby	SC8	<b>\$</b>	1,270.53	S	0.08481	S	0.07981	0 \$	0.06886			914,782	4,925,679	13,615,605	1,517,048	20,973,113
22	NGV	SC10	S		S	0.60900	S	•	S	ı			•	103,395	•		103,395
23	DG <250	SC12-S	S	148.27	S	0.05074	S	•	8	,			1,779	484	ı		2,263
24	DG <250	SC12-S	S	148.27	S	0.06429	S	•	S				•	450	1		450
25	DG <250 MB	SC12-S	S	148.27	S	0.05074	S	•	S	,			1,779	1,948	,		3,727
26	DG <250 MB	SC12-S	<b>⇔</b>	148.27	S	0.06429	S	•	s	ı			•	1,212	ı		1,212
27	DG 250-1000	SC12-S	S	466.54	S	0.04522	S		S	,			•	•			•
28	DG 250-1000	SC12-S	<b>\$</b>	466.54	S	0.05728	\$	•	s	,			•	ı	1		ı
59	DG 250-1000 MB	SC12-S	S	466.54	S	0.04522	S	•	↔				39,189	16,110			55,299
30	DG 250-1000 MB	SC12-S		466.54	S	0.05728	∽		<b>⇔</b>					16,221	ı		16,221
31	DG 1M-2.5M	SC12-L		1,401.27	<b>~</b>	0.04216	<b>~</b>	0.03615	s ·					1	i		1
32	DG 1M-2.5M	SC12-L	<b>≯</b> >> €	1,401.27	<b>&gt;</b>	0.05340	<b>&gt;</b> •	0.04578	<b>&gt;</b> •				1 00	0,00	1		· 6
2 5	DG 1M-2.5M MB	SC12-L	A 6	1,401.27	A 6	0.04216	A 6	0.03615	A 6				20,440	123,869	İ		1/4,315
4 2	DG 1M-2.3M MB	3C12-L	e e	1,401.27	9 6	0.00040	9 6	0.04270	9 6				•	107,040	ı		107,040
36	DG >2.3M	3C12-L		1,401.27	A 6	0.00845	A 6		A 6				•	•			, '
37	DG >2 5M MB	3C12-L	A &	1,401.27	9 6	0.010/1	A 6		A 6		9	0.86534	22 630	30 537			Pag
, « «	DG >2 5M MB	SC12-L		1,401.27	• •	0.00943	9 64		9 e/		9 64	0.86534	000,00	22,332 46 363		406 195	e . 357 C54
30	DG Sales	SC13		72:10±,1	÷ •	0.03914	•		• <b>•</b>		•	100000	- C00	137		100,100	
40	DG Sales MB	SC13	· 99	27.56	•	0.03914	· •	•	) <b>6</b> 2	,					,		
41	Electric Generation	SC14											•	,	1	12,980,863	12,980,863
42	NYSEG	NYSEG	S	931.96	S	0.03771	S	,	S	,	\$	0.59557	11,184	113,423	1	214,405	339,012
43	Special Contract	SC9												•	ı	4,007,632	4,007,632
4 4	Rounding	Round										1					
45												III	161,818,520	172,820,568	73,648,394	21,688,163	429,975,645

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Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Net Rates (Net of Tax Effect Credit and Surcredit)

									So	Source: Sch. 4.1A	ı. 4.1	A			
						Current Rates	es					Rate Year 1	Rate Year 1 Proposed Rates- NET	ates- NET	
ine	Description	SC	1	Block 1 (CC)	Block 2	Block 3	Block 4	Demand		Block 1 (CC)		Block 2	Block 3	Block 4	Demand
_	SC1	SC1	S	20.35					S	20.35	S	0.42819	\$ 0.07097		
7	SC2	SC2	S	24.27	\$ 0.29744	. \$ 0.17302	\$ 0.05547		<del>∨</del>	24.27	S	0.29999	\$ 0.17450	\$ 0.05595	
$\epsilon$	SC3	SC3	S	781.27					↔	781.27	S	0.09376			
4	SC5	SC5	S	522.38	\$ 0.06450				<del>\$</del>	554.83	S	0.07211			
5	SC6	SC6	S	ı	<del>S</del>				↔	•	S	•			
9	SC7	SC7	S	361.27	\$ 0.11896				<del>\$</del>	361.27	S	0.12647			
7	SC8	SC8	S	924.04	\$ 0.06569	\$ 0.06182	\$ 0.05333		\$	\$ 1,039.54	S	0.07285	\$ 0.06856	\$ 0.05915	
∞	SC10	SC10	S	1					\$	•	S	0.60900			
6															
10	SC12-S1	SC12-S	S	148.27					\$	148.27	S	0.04490			
11	SC12-S1W		S	148.27	\$ 0.06429				S	148.27	S	0.05688			
12	SC12-S2		S	466.54					S	466.54	S	0.04001			
13	SC12-S2W		S	466.54	\$ 0.05728				S	466.54	S	0.05068			
14															
15	SC12-L1	SC12-L	\$	\$ 1,401.27					↔	\$ 1,401.27	S	0.03730	\$ 0.03199		
16	SC12-L1W		\$	\$ 1,401.27		\$ 0.04578			\$	1,401.27	S	0.04725	\$ 0.04051		
17	SC12-L2		<b>∽</b>	\$ 1,401.27				\$ 0.86534	\$	\$ 1,401.27	S	0.00748			\$ 0.76567
18	SC12-L2W		\$	\$ 1,401.27	\$ 0.01071			\$ 0.86534	8	\$ 1,401.27	S	0.00948			\$ 0.76567
19									\$	•	S	ı			
20	SC13	SC13	S	27.56	\$ 0.03914				<del>∨</del>	27.56	S	0.03914			
21	SC14	SC14													
22	NYSEG	NYSEG	S	810.07	\$ 0.03228			\$ 0.50974	↔	897.50	S	0.03565			\$ 0.56306
23	SC9	SC9													
24	Rounding	Round													
25															

Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Net Rates (Net of Tax Effect Credit and Surcredit)

			Source: Sch. 4.2A	4.2	Y.				Source: Sch. 4.3A	šch.	4.3A			
					Rate Year 2	2 Proposed Rates- NET	ates- NET				Rate Yea	Rate Year 3 Proposed Rates- NET	Rates- NET	
Line	Line Description	SC	Block 1 (CC)		Block 2	Block 3	Block 4	Demand	Block 1 (CC)		Block 2	Block 3	Block 4	Demand
1	SC1	SC1	\$ 20.35	S	0.48728	\$ 0.08074			\$ 20.3		\$ 0.54788	\$ \$ 0.09081		
7	SC2	SC2	\$ 24.27	<b>↔</b>	0.32432	\$ 0.18870	\$ 0.06055		\$ 24.27		\$ 0.34793	\$ \$ 0.20241	\$ 0.06492	
$\varepsilon$	SC3	SC3	\$ 781.27	<b>↔</b>	0.10280				\$ 781.27	7.	\$ 0.11096			
4	SC5	SC5	\$ 587.29	<b>↔</b>	0.07582				\$ 619.74		\$ 0.07945	10		
S	SC6	SC6		<b>↔</b>	1				<b>S</b>		ı <del>S</del>			
9	SC7	SC7	\$ 361.27	<del>\$</del>	0.13678				\$ 361.27		\$ 0.14773	~		
7	SC8	SC8	\$ 1,155.03	<b>↔</b>	0.07689	\$ 0.07239	\$ 0.06247		\$ 1,270.53		\$ 0.08118	8 \$ 0.07639	\$ 0.06593	
∞	SC10	SC10	· ~	↔	0.60900				- - - -		00609.0			
6														
10	SC12-S1	SC12-S	\$ 148.27	<b>∽</b>	0.04493						\$ 0.04468	~		
11	SC12-S1W		\$ 148.27	S	0.05692				\$ 148.27		\$ 0.05660			
12	SC12-S2		\$ 466.54	S	0.04004				\$ 466.54		\$ 0.03982	6		
13	SC12-S2W		\$ 466.54	S	0.05072				\$ 466.5		\$ 0.05044	<del></del>		
14														
15	SC12-L1	SC12-L	\$ 1,401.27	S	0.03733	\$ 0.03201			\$ 1,401.27		\$ 0.03712	2 \$ 0.03183		
16	SC12-L1W		\$ 1,401.27	S	0.04728	\$ 0.04054			\$ 1,401.27			2 \$ 0.04031		
17	SC12-L2		\$ 1,401.27	S	0.00749			\$ 0.76621	\$ 1,401.2		\$ 0.00745	10		\$ 0.76195
18	SC12-L2W		\$ 1,401.27	S	0.00949			\$ 0.76621	\$ 1,401.27		\$ 0.00944	<u>.</u>		\$ 0.76195
19														
20	SC13	SC13	\$ 27.56	S	0.03914				\$ 27.56		\$ 0.03914	-		
21	SC14	SC14												
22	NYSEG	NYSEG	\$ 908.94	S	0.03644		. •	\$ 0.57547	\$ 931.96		\$ 0.03760			\$ 0.59381
23	SC9	SC9												
24 7	Rounding	Round												
22														Pa

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Niagara Mohawk Power Corporation (Gas) Years Ending March 31, 2019-2022 Net Rates (Net of Tax Effect Credit and Surcredit)

Source: Sch. 4.4A

						Rate Year 4 Proposed Rates- NET	t Pro	posed R	ates- NI	${f cT}$	
Line	Line Description	SC		Block 1 (CC)		Block 2	B	Block 3	Block 4	٤4	Demand
1	SC1	SC1	S	20.35	S	0.55902	<u>~</u>	\$ 0.09266			
7	SC2	SC2	S	24.27	↔	0.35235	<u>~</u>	0.20496 \$ 0.06573	\$ 0.06	573	
$\varepsilon$	SC3	SC3	↔	781.27	<del>\$</del>	0.11265					
4	SC5	SC5	∽	619.74	↔	0.08039					
5	SC6	SC6	↔	ı	S	ı					
9	SC7	SC7	↔	361.27	S	0.14982					
7	SC8	SC8	↔	\$ 1,270.53	S	0.08209	<u>~</u>	\$ 0.07724	\$ 0.06666	999	
∞	SC10	SC10	↔	ı	S	0.60900					
6											
10	SC12-S1	SC12-S	S	148.27	↔	0.04468					
11	SC12-S1W		↔	148.27	<del>\$</del>	0.05660					
12	SC12-S2		↔	466.54	<del>\$</del>	0.03982					
13	SC12-S2W		∽	466.54	↔	0.05044					
14											
15	SC12-L1	SC12-L	∽	\$ 1,401.27	↔	0.03712	S	0.03183			
16	SC12-L1W		<del>\$</del>	\$ 1,401.27	\$	0.04702	<b>⇔</b>	0.04031			
17	SC12-L2		<del>\$</del>	\$ 1,401.27	\$	0.00745					\$ 0.76195
18	SC12-L2W		S	\$ 1,401.27	∽	0.00944					\$ 0.76195
19											
20	SC13	SC13	S	27.56	↔	0.03914					
21	SC14	SC14									
22	NYSEG	NYSEG	S	963.60	S	0.03888					\$ 0.61403
23	SC9	SC9									
24	Rounding	Round									
25											

### Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 1 Residential Non-Heat and Heat Rate Year One (Current vs. Proposed) Based on Oct 27, 2017 NYMEX

			D	elivery			Com	modity			Т	otal	
Therm U	Usage _	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
	0	\$20.77	\$20.77	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0%	\$20.77	\$20.77	\$0.00	0.00%
	3	\$20.81	\$20.78	(\$0.03)	-0.14%	\$1.08	\$1.06	(\$0.01)	-1%	\$21.89	\$21.85	(\$0.04)	-0.19%
	10	\$23.67	\$23.89	\$0.21	0.90%	\$3.58	\$3.54	(\$0.04)	-1%	\$27.26	\$27.43	\$0.17	0.62%
	15	\$25.72	\$26.10	\$0.38	1.49%	\$5.38	\$5.31	(\$0.06)	-1%	\$31.10	\$31.42	\$0.32	1.03%
	20	\$27.76	\$28.32	\$0.56	2.00%	\$7.17	\$7.08	(\$0.08)	-1%	\$34.93	\$35.40	\$0.47	1.35%
	25	\$29.81	\$30.54	\$0.73	2.44%	\$8.96	\$8.85	(\$0.11)	-1%	\$38.77	\$39.39	\$0.62	1.61%
	30	\$31.85	\$32.75	\$0.90	2.83%	\$10.75	\$10.63	(\$0.13)	-1%	\$42.60	\$43.38	\$0.77	1.82%
	40	\$35.94	\$37.19	\$1.24	3.46%	\$14.34	\$14.17	(\$0.17)	-1%	\$50.28	\$51.35	\$1.08	2.14%
	50	\$40.03	\$41.62	\$1.59	3.97%	\$17.92	\$17.71	(\$0.21)	-1%	\$57.95	\$59.33	\$1.38	2.38%
	60	\$40.84	\$42.41	\$1.57	3.84%	\$21.50	\$21.25	(\$0.25)	-1%	\$62.34	\$63.66	\$1.31	2.11%
	70	\$41.65	\$43.19	\$1.54	3.71%	\$25.09	\$24.79	(\$0.30)	-1%	\$66.74	\$67.99	\$1.25	1.87%
Average	77	\$42.22	\$43.75	\$1.53	3.62%	\$27.60	\$27.27	(\$0.32)	-1%	\$69.81	\$71.02	\$1.20	1.72%
	83	\$42.70	\$44.22	\$1.52	3.55%	\$29.75	\$29.40	(\$0.35)	-1%	\$72.45	\$73.61	\$1.17	1.61%
	120	\$45.70	\$47.13	\$1.43	3.14%	\$43.01	\$42.50	(\$0.51)	-1%	\$88.71	\$89.63	\$0.93	1.05%
	140	\$47.32	\$48.71	\$1.39	2.94%	\$50.18	\$49.58	(\$0.59)	-1%	\$97.49	\$98.29	\$0.80	0.82%
	160	\$48.94	\$50.28	\$1.35	2.75%	\$57.34	\$56.67	(\$0.68)	-1%	\$106.28	\$106.95	\$0.67	0.63%
	180	\$50.56	\$51.86	\$1.30	2.58%	\$64.51	\$63.75	(\$0.76)	-1%	\$115.07	\$115.61	\$0.54	0.47%
	200	\$52.18	\$53.43	\$1.26	2.41%	\$71.68	\$70.84	(\$0.84)	-1%	\$123.86	\$124.27	\$0.41	0.33%
	220	\$53.80	\$55.01	\$1.21	2.26%	\$78.85	\$77.92	(\$0.93)	-1%	\$132.64	\$132.93	\$0.29	0.22%
	250	\$56.23	\$57.37	\$1.15	2.04%	\$89.60	\$88.54	(\$1.06)	-1%	\$145.82	\$145.92	\$0.09	0.06%
	300	\$60.27	\$61.31	\$1.04	1.72%	\$107.52	\$106.25	(\$1.27)	-1%	\$167.79	\$167.56	(\$0.23)	-0.14%
	400	\$68.37	\$69.19	\$0.82	1.20%	\$143.36	\$141.67	(\$1.69)	-1%	\$211.73	\$210.86	(\$0.87)	-0.41%
Current						Proposed						Difference	Change
First 3 or Less	S				\$20.35				\$20.35			\$0.00	0.00%
Next 47 Then					\$0.38520				\$0.42819			\$0.04	11.16%
Over 50 Ther					\$0.06385				\$0.07097			\$0.01	11.15%
Delivery Serv													
Research &					\$0.000000				\$0.000000			\$0.00	0.00%
Net Reven					-\$0.000570				-\$0.000570			\$0.00	0.00%
Revenue D					\$0.002170				\$0.002170			\$0.00	0.00%
Incremental S			Surcharge		\$0.000000				\$0.000000			\$0.00	0.00%
System Benef					\$0.013905				\$0.004626			(\$0.01)	-66.73%
Merchant Fur					\$0.024418				\$0.021278			(\$0.003)	-12.86%
Monthly Cost		3			\$0.333980				\$0.332900			(\$0.00)	-0.32%
Gross Receip	ts Tax												
Delivery					2.040820%				2.040820%			0.00%	0.00%
Supply					0.000000%				0.000000%			0.00%	0.00%

### Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 1 Residential Non-Heat and Heat (Tier 1) Rate Year One (Current vs. Proposed) Based on Oct 27, 2017 NYMEX

					Based on	Oct 27, 2017	NYMEX					
_			elivery			Comr	nodity				otal	
Therm Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
0	\$17.70	\$17.70	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0%	\$17.70	\$17.70	\$0.00	0.00%
3	\$17.75	\$17.72	(\$0.03)	-0.16%	\$1.08	\$1.06	(\$0.01)	-1%	\$18.83	\$18.79	(\$0.04)	-0.22%
10	\$20.61	\$20.83	\$0.21	1.03%	\$3.58	\$3.54	(\$0.04)	-1%	\$24.20	\$24.37	\$0.17	0.70%
15	\$22.66	\$23.04	\$0.38	1.70%	\$5.38	\$5.31	(\$0.06)	-1%	\$28.03	\$28.36	\$0.32	1.15%
20	\$24.70	\$25.26	\$0.56	2.25%	\$7.17	\$7.08	(\$0.08)	-1%	\$31.87	\$32.34	\$0.47	1.48%
25	\$26.75	\$27.48	\$0.73	2.72%	\$8.96	\$8.85	(\$0.11)	-1%	\$35.71	\$36.33	\$0.62	1.74%
30	\$28.79	\$29.69	\$0.90	3.13%	\$10.75	\$10.63	(\$0.13)	-1%	\$39.54	\$40.32	\$0.77	1.96%
40	\$32.88	\$34.12	\$1.24	3.78%	\$14.34	\$14.17	(\$0.17)	-1%	\$47.22	\$48.29	\$1.08	2.28%
50	\$36.97	\$38.56	\$1.59	4.30%	\$17.92	\$17.71	(\$0.21)	-1%	\$54.89	\$56.27	\$1.38	2.51%
60	\$37.78	\$39.35	\$1.57	4.15%	\$21.50	\$21.25	(\$0.25)	-1%	\$59.28	\$60.60	\$1.31	2.21%
70	\$38.59	\$40.13	\$1.54	4.00%	\$25.09	\$24.79	(\$0.30)	-1%	\$63.68	\$64.93	\$1.25	1.96%
Average 90	\$40.21	\$41.71	\$1.50	3.73%	\$32.26	\$31.88	(\$0.38)	-1%	\$72.46	\$73.58	\$1.12	1.55%
100	\$41.02	\$42.50	\$1.48	3.60%	\$35.84	\$35.42	(\$0.42)	-1%	\$76.86	\$77.91	\$1.06	1.37%
120	\$42.64	\$44.07	\$1.43	3.36%	\$43.01	\$42.50	(\$0.51)	-1%	\$85.65	\$86.57	\$0.93	1.08%
140	\$44.26	\$45.65	\$1.39	3.14%	\$50.18	\$49.58	(\$0.59)	-1%	\$94.43	\$95.23	\$0.80	0.85%
160	\$45.88	\$47.22	\$1.35	2.93%	\$57.34	\$56.67	(\$0.68)	-1%	\$103.22	\$103.89	\$0.67	0.65%
180	\$47.50	\$48.80	\$1.30	2.74%	\$64.51	\$63.75	(\$0.76)	-1%	\$112.01	\$112.55	\$0.54	0.48%
200	\$49.12	\$50.37	\$1.26	2.56%	\$71.68	\$70.84	(\$0.84)	-1%	\$120.79	\$121.21	\$0.41	0.34%
220	\$50.73	\$51.95	\$1.21	2.39%	\$78.85	\$77.92	(\$0.93)	-1%	\$129.58	\$129.87	\$0.29	0.22%
250	\$53.16	\$54.31	\$1.15	2.16%	\$89.60	\$88.54	(\$1.06)	-1%	\$142.76	\$142.86	\$0.09	0.06%
300	\$57.21	\$58.25	\$1.04	1.81%	\$107.52	\$106.25	(\$1.27)	-1%	\$164.73	\$164.50	(\$0.23)	-0.14%
400	\$65.31	\$66.13	\$0.82	1.25%	\$143.36	\$141.67	(\$1.69)	-1%	\$208.67	\$207.80	(\$0.87)	-0.42%
Current					Proposed						Difference	Change
First 3 or Less				\$17.35	-			\$17.35			\$0.00	0.00%
Next 47 Therms per T	herm			\$0.385200				\$0.42819			\$0.04	11.16%
Over 50 Therms per T	herm			\$0.063850				\$0.07097			\$0.01	11.15%
Delivery Service Adju												
Research & Develo		ırcharge		\$0.000000				\$0.000000			\$0.00	0.00%
Net Revenue Shari				-\$0.000570				-\$0.000570			\$0.00	0.00%
Revenue Decouplin				\$0.002170				\$0.002170			\$0.00	0.00%
Incremental State Ass	essment S	urcharge		\$0.000000				\$0.000000			\$0.00	0.00%
System Benefits Char	ge			\$0.013905				\$0.004626			(\$0.01)	-66.73%
Merchant Function Cl				\$0.024418				\$0.021278			(\$0.00)	-12.86%
Monthly Cost of Gas	-			\$0.333980				\$0.332900			(\$0.00)	-0.32%
Gross Receipts Tax											` /	
Delivery				2.040820%				2.040820%			0.00%	0.00%
Supply				0.000000%				0.000000%			0.00%	0.00%

The SC-1 low income bill impacts are using the Energy Affordability Credit of a \$3 for a customer in the Tier 1 benefit level. In accordance with the Order in Case 14-M-0465 issued February 17, 2017, there are five Energy Affordability Credit tiers. The Heating customers Tiers: Tier 1: \$3.00, Tier 2: \$10.00, Tier 3: \$29.00, Tier 4: \$12.00, Tier 5: \$3.00
The Non-Heating customers Tiers: Tier 1-Tier 5: \$3.00

### Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 2 Small General - Residential Rate Year One (Current vs. Proposed) Based on Oct 27, 2017 NYMEX

		D 11			Based on	Oct 27, 2017						
T1 I I	C		very	Cl	C	Comn		Cl	- C	Tot		Cl
Therm Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
0	\$24.27	\$24.27	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0%	\$24.27	\$24.27	\$0.00	0.00%
3	\$24.33	\$24.30	(\$0.03)	-0.11%	\$1.02	\$1.02	(\$0.00)	0%	\$25.36	\$25.32	(\$0.03)	-0.12%
10	\$26.56	\$26.49	(\$0.07)	-0.28%	\$3.41	\$3.40	(\$0.01)	0%	\$29.97	\$29.88	(\$0.09)	-0.29%
15	\$28.15	\$28.04	(\$0.11)	-0.39%	\$5.12	\$5.10	(\$0.02)	0%	\$33.27	\$33.14	(\$0.13)	-0.38%
20	\$29.74	\$29.60	(\$0.14)	-0.48%	\$6.82	\$6.80	(\$0.02)	0%	\$36.56	\$36.40	(\$0.17)	
25	\$31.34	\$31.16	(\$0.18)	-0.56%	\$8.53	\$8.50	(\$0.03)	0%	\$39.86	\$39.66	(\$0.21)	
30	\$32.93	\$32.72	(\$0.21)	-0.64%	\$10.23	\$10.20	(\$0.04)	0%	\$43.16	\$42.91	(\$0.24)	
40	\$36.11	\$35.83	(\$0.28)	-0.77%	\$13.64	\$13.59	(\$0.05)	0%	\$49.75	\$49.43	(\$0.32)	
50	\$39.29	\$38.95	(\$0.34)	-0.88%	\$17.05	\$16.99	(\$0.06)	0%	\$56.35	\$55.94	(\$0.40)	
55	\$40.89	\$40.51	(\$0.38)	-0.92%	\$18.76	\$18.69	(\$0.06)	0%	\$59.64	\$59.20	(\$0.44)	
60	\$42.48	\$42.07	(\$0.41)	-0.97%	\$20.46	\$20.39	(\$0.07)	0%	\$62.94	\$62.46	(\$0.48)	
65	\$44.07	\$43.62	(\$0.45)	-1.01%	\$22.17	\$22.09	(\$0.08)	0%	\$66.24	\$65.71	(\$0.52)	
70	\$45.66	\$45.18	(\$0.48)	-1.05%	\$23.87	\$23.79	(\$0.08)	0%	\$69.53	\$68.97	(\$0.56)	-0.81%
75	\$47.25	\$46.74	(\$0.51)	-1.08%	\$25.58	\$25.49	(\$0.09)	0%	\$72.83	\$72.23	(\$0.60)	
80	\$48.84	\$48.30	(\$0.55)	-1.12%	\$27.28	\$27.19	(\$0.09)	0%	\$76.13	\$75.49	(\$0.64)	
85	\$50.43	\$49.86	(\$0.58)	-1.15%	\$28.99	\$28.89	(\$0.10)	0%	\$79.42	\$78.74	(\$0.68)	-0.86%
90	\$52.03	\$51.41	(\$0.61)	-1.18%	\$30.69	\$30.59	(\$0.11)	0%	\$82.72	\$82.00	(\$0.72)	-0.87%
95	\$53.62	\$52.97	(\$0.65)	-1.21%	\$32.40	\$32.29	(\$0.11)	0%	\$86.02	\$85.26	(\$0.76)	-0.88%
100	\$55.21	\$54.53	(\$0.68)	-1.23%	\$34.10	\$33.99	(\$0.12)	0%	\$89.31	\$88.51	(\$0.80)	-0.89%
Average 132	\$65.40	\$64.50	(\$0.90)	-1.37%	\$45.02	\$44.86	(\$0.16)	0%	\$110.41	\$109.36	(\$1.05)	-0.95%
200	\$87.04	\$85.69	(\$1.35)	-1.55%	\$68.21	\$67.97	(\$0.24)	0%	\$155.25	\$153.66	(\$1.59)	
400	\$135.77	\$132.95	(\$2.83)	-2.08%	\$136.42	\$135.94	(\$0.47)	0%	\$272.19	\$268.89	(\$3.30)	
500	\$155.16	\$151.56	(\$3.61)	-2.32%	\$170.52	\$169.93	(\$0.59)	0%	\$325.68	\$321.49	(\$4.20)	
600	\$174.55	\$170.17	(\$4.39)	-2.51%	\$204.62	\$203.92	(\$0.71)	0%	\$379.18	\$374.08	(\$5.10)	
1,000	\$252.11	\$244.61	(\$7.51)	-2.98%	\$341.04	\$339.86	(\$1.18)	0%	\$593.15	\$584.47	(\$8.69)	
1,500	\$349.06	\$337.66	(\$11.41)	-3.27%	\$511.56	\$509.79	(\$1.77)	0%	\$860.62	\$847.44	(\$13.18)	
2,000	\$446.01	\$430.71	(\$15.31)	-3.43%	\$682.08	\$679.72	(\$2.36)	0%	\$1,128.09	\$1,110.42	(\$17.67)	
2,570	\$556.53	\$536.78	(\$19.75)	-3.55%	\$876.47	\$873.44	(\$3.04)	0%	\$1,433.01	\$1,410.22	(\$22.79)	
3,000	\$639.91	\$616.81	(\$23.10)	-3.61%	\$1,023.12	\$1,019.58	(\$3.54)	0%	\$1,663.03	\$1,636.38	(\$26.65)	
4,000	\$833.81	\$802.91	(\$30.90)	-3.71%	\$1,364.16	\$1,359.43	(\$4.73)	0%	\$2,197.97	\$2,162.34	(\$35.63)	
4,500	\$930.76	\$895.96	(\$34.80)	-3.74%	\$1,534.68	\$1,529.36	(\$5.32)	0%	\$2,465.44	\$2,425.32	(\$40.12)	
	\$1,027.71	\$989.01	(\$38.70)	-3.77%	\$1,705.20	\$1,699.29	(\$5.91)	0%	\$2,732.91	\$2,688.30	(\$44.61)	
	\$1,065.88	\$1,022.78	(\$43.10)	-4.04%	\$1,875.72	\$1,869.22	(\$6.50)	0%	\$2,941.60	\$2,892.00	(\$49.60)	
	\$1,104.06	\$1,056.56	(\$47.50)	-4.30%	\$2,046.24	\$2,039.15	(\$7.09)	0%	\$3,150.30	\$3,095.71	(\$54.59)	
	\$1,180.41	\$1,124.10	(\$56.30)	-4.77%	\$2,387.28	\$2,379.01	(\$8.27)	0%	\$3,567.69	\$3,503.12	(\$64.57)	
	\$1,256.75	\$1,191.65	(\$65.10)	-5.18%	\$2,728.32	\$2,718.87	(\$9.45)	0%	\$3,985.08	\$3,910.52	(\$74.55)	
	\$1,333.10	\$1,259.20	(\$73.90)	-5.54%	\$3,069.36	\$3,058.73	(\$10.63)	0%	\$4,402.46	\$4,317.93	(\$84.53)	
10,000	\$1,409.45	\$1,326.75	(\$82.70)	-5.87%	\$3,410.40	\$3,398.59	(\$11.81)	0%	\$4,819.85	\$4,725.34	(\$94.51)	-1.96%
Current				0	Proposed			<b>A-1-</b>			Difference	
First 3 or Less				\$24.27				\$24.27			\$0.00	0.00%
Next 277 Therms per T				\$0.297440				\$0.299990			\$0.00	0.86%
Next 4,720 Therms per				\$0.173020				\$0.174500			\$0.00	0.86%
Over 5,000 Therms per				\$0.055470				\$0.055950			\$0.00	0.87%
Delivery Service Adjus				¢0,000000				¢0.000000			¢0.00	0.000/
Research & Develo		C		\$0.000000				\$0.000000			\$0.00	0.00%
Net Revenue Sharin				-\$0.000570				-\$0.000570			\$0.00	0.00%
Revenue Decouplin Incremental State Asse	0			\$0.009260				\$0.009260			\$0.00	0.00%
System Benefits Charg		naige		\$0.000000 \$0.012189				\$0.000000			\$0.00	0.00% -76.13%
								\$0.002910			(\$0.01)	
Merchant Function Cha Monthly Cost of Gas	arge			\$0.009750 \$0.331290				\$0.009649 \$0.330210			(\$0.00) (\$0.00)	
Gross Receipts Tax				φυ. <i>33</i> 1290				φυ. <i>53</i> 0210			(30.00)	-0.33%
Delivery				0.000000%				0.000000%			0.00%	0.00%
Supply				0.000000%				0.000000%			0.00%	
Suppry				0.000000/0				0.00000070			0.0070	0.00/0

### Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 2 Small General - Commercial Rate Year One (Current vs. Proposed) Based on Oct 27, 2017 NYMEX

					Based or	Oct 27, 2017						
			ivery			Commo				Tota		
Therm Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
0	\$24.27	\$24.27	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0%	\$24.27	\$24.27	\$0.00	0.00%
3	\$24.22	\$24.19	(\$0.03)	-0.11%	\$1.02	\$1.02	(\$0.00)	0%	\$25.24	\$25.21	(\$0.03)	-0.12%
10	\$26.19	\$26.11	(\$0.07)	-0.29%	\$3.41	\$3.40	(\$0.01)	0%	\$29.60	\$29.51	(\$0.09)	-0.29%
15	\$27.59	\$27.49	(\$0.11)	-0.39%	\$5.12	\$5.10	(\$0.02)	0%	\$32.71	\$32.58	(\$0.13)	-0.39%
20	\$29.00	\$28.86	(\$0.14)	-0.49%	\$6.82	\$6.80	(\$0.02)	0%	\$35.82	\$35.66	(\$0.17)	-0.46%
25	\$30.41	\$30.23	(\$0.18)	-0.58%	\$8.53	\$8.50	(\$0.03)	0%	\$38.93	\$38.73	(\$0.21)	-0.53%
30	\$31.81	\$31.60	(\$0.21)	-0.66%	\$10.23	\$10.20	(\$0.04)	0%	\$42.04	\$41.80	(\$0.24)	-0.58%
40	\$34.62	\$34.35	(\$0.28)	-0.80%	\$13.64	\$13.59	(\$0.05)	0%	\$48.27	\$47.94	(\$0.32)	-0.67%
50	\$37.44	\$37.09	(\$0.34)	-0.92%	\$17.05	\$16.99	(\$0.06)	0%	\$54.49	\$54.08	(\$0.40)	-0.74%
60	\$40.25	\$39.84	(\$0.41)	-1.02%	\$20.46	\$20.39	(\$0.07)	0%	\$60.71	\$60.23	(\$0.48)	-0.79%
70	\$43.06	\$42.58	(\$0.48)	-1.11%	\$23.87	\$23.79	(\$0.08)	0%	\$66.93	\$66.37	(\$0.56)	-0.84%
80	\$45.87	\$45.32	(\$0.55)	-1.19%	\$27.28	\$27.19	(\$0.09)	0%	\$73.15	\$72.51	(\$0.64)	-0.88%
100	\$51.49	\$50.81	(\$0.68)	-1.32%	\$34.10	\$33.99	(\$0.12)	0%	\$85.60	\$84.80	(\$0.80)	-0.93%
120	\$57.12	\$56.30	(\$0.82)	-1.43%	\$40.92	\$40.78	(\$0.14)	0%	\$98.04	\$97.08	(\$0.96)	-0.98%
140	\$62.74	\$61.79	(\$0.95)	-1.51%	\$47.75	\$47.58	(\$0.17)	0%	\$110.48	\$109.37	(\$1.12)	-1.01%
160	\$68.36	\$67.28	(\$1.08)	-1.59%	\$54.57	\$54.38	(\$0.19)	0%	\$122.93	\$121.65	(\$1.27)	
180	\$73.98	\$72.77	(\$1.22)	-1.65%	\$61.39	\$61.17	(\$0.21)	0%	\$135.37	\$133.94	(\$1.43)	
200	\$79.61	\$78.25	(\$1.35)	-1.70%	\$68.21	\$67.97	(\$0.24)	0%	\$147.82	\$146.23	(\$1.59)	
250	\$93.66	\$91.97	(\$1.69)	-1.80%	\$85.26	\$84.96	(\$0.30)	0%	\$178.92	\$176.94	(\$1.99)	
300	\$105.23	\$103.19	(\$2.05)	-1.95%	\$102.31	\$101.96	(\$0.35)	0%	\$207.55	\$205.14	(\$2.40)	-1.16%
Average 389	\$119.18	\$116.44	(\$2.74)	-2.30%	\$132.66	\$132.21	(\$0.46)	0%	\$251.85	\$248.65	(\$3.20)	-1.27%
400	\$120.91	\$118.08	(\$2.83)	-2.34%	\$136.42	\$135.94	(\$0.47)	0%	\$257.32	\$254.02	(\$3.30)	-1.28%
500	\$136.58	\$132.97	(\$3.61)	-2.64%	\$170.52	\$169.93	(\$0.59)	0%	\$307.10	\$302.90	(\$4.20)	
600	\$152.25	\$147.87	(\$4.39)	-2.88%	\$204.62	\$203.92	(\$0.71)	0%	\$356.88	\$351.78	(\$5.10)	
1,000	\$214.94	\$207.44	(\$7.51)	-3.49%	\$341.04	\$339.86	(\$1.18)	0%	\$555.98	\$547.30	(\$8.69)	
1,500	\$293.31	\$281.90	(\$11.41)	-3.89%	\$511.56	\$509.79	(\$1.77)	0%	\$804.87	\$791.69	(\$13.18)	
2,000	\$371.67	\$356.37	(\$15.31)	-4.12%	\$682.08	\$679.72	(\$2.36)	0%	\$1,053.75	\$1,036.08	(\$17.67)	
2,570	\$461.01	\$441.26	(\$19.75)	-4.28%	\$876.47	\$873.44	(\$3.04)	0%	\$1,337.48	\$1,314.69	(\$22.79)	
3,000	\$528.40	\$505.30	(\$23.10)	-4.37%	\$1,023.12	\$1,019.58	(\$3.54)	0%	\$1,551.52	\$1,524.87	(\$26.65)	
4,000	\$685.13	\$654.23	(\$30.90)	-4.51%	\$1,364.16	\$1,359.43	(\$4.73)	0%	\$2,049.29	\$2,013.66	(\$35.63)	
4,500	\$763.49	\$728.69	(\$34.80)	-4.56%	\$1,534.68	\$1,529.36	(\$5.32)	0%	\$2,298.17	\$2,258.05	(\$40.12)	
5,000	\$841.86	\$803.16	(\$38.70)	-4.60%	\$1,705.20	\$1,699.29	(\$5.91)	0%	\$2,547.06	\$2,502.45	(\$44.61)	
5,500	\$861.45	\$818.35	(\$43.10)	-5.00%	\$1,875.72	\$1,869.22	(\$6.50)	0%	\$2,737.17	\$2,687.57	(\$49.60)	
6,000	\$881.04	\$833.54	(\$47.50)	-5.39%	\$2,046.24	\$2,039.15	(\$7.09)	0%	\$2,927.28	\$2,872.69	(\$54.59)	
7,000	\$920.22	\$863.91	(\$56.30)	-6.12%	\$2,387.28	\$2,379.01	(\$8.27)	0%	\$3,307.50	\$3,242.93	(\$64.57)	
8,000 9,000	\$959.39	\$894.29	(\$65.10)	-6.79%	\$2,728.32	\$2,718.87	(\$9.45)	0%	\$3,687.72	\$3,613.16	(\$74.55)	
· ·	\$998.57	\$924.67	(\$73.90)	-7.40%	\$3,069.36	\$3,058.73	(\$10.63)	0%	\$4,067.93	\$3,983.40	(\$84.53)	
10,000	\$1,037.75	\$955.05	(\$82.70)	-7.97%	\$3,410.40	\$3,398.59	(\$11.81)	0%	\$4,448.15	\$4,353.64	(\$94.51)	-2.12%
Current					Proposed						Difference	Change
First 3 or Less				\$24.27	- 10p00 <b>0u</b>			\$24.27			\$0.00	0.00%
Next 277 Therms per T	herm .			\$0.297440				\$0.299990			\$0.00	0.86%
Next 4,720 Therms per				\$0.173020				\$0.174500			\$0.00	0.86%
Over 5,000 Therms per				\$0.055470				\$0.055950			\$0.00	0.87%
Delivery Service Adjus											4	
Research & Develop		ge		\$0.000000				\$0.000000			\$0.00	0.00%
Net Revenue Sharin		-		-\$0.000570				-\$0.000570			\$0.00	0.00%
Revenue Decoupling				-\$0.027910				-\$0.027910			\$0.00	0.00%
Incremental State Asse		ırge		\$0.000000				\$0.000000			\$0.00	0.00%
System Benefits Charge	e			\$0.012189				\$0.002910			(\$0.01)	
Merchant Function Cha				\$0.009750				\$0.009649			(\$0.00)	-1.04%
Monthly Cost of Gas	-			\$0.331290				\$0.330210			(\$0.00)	
Gross Receipts Tax											. ,	
Delivery				0.000000%				0.000000%			0.00%	0.00%
Supply				0.000000%				0.000000%			0.00%	0.00%

### Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 2 Small General - Industrial Rate Year One (Current vs. Proposed)

			D 11			Based on	Oct 27, 2017				T	1	
T01		0 1		ivery	CI		Commo		CI.		Tota		CI
Then	m Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
	0	\$24.27	\$24.27	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0%	\$24.27	\$24.27	\$0.00	0.00%
	3	\$24.29	\$24.26	(\$0.03)	-0.11%	\$1.02	\$1.02	(\$0.00)	0%	\$25.31	\$25.28	(\$0.03)	-0.12%
	10	\$26.41	\$26.33	(\$0.07)	-0.28%	\$3.41	\$3.40	(\$0.01)	0%	\$29.82	\$29.73	(\$0.09)	-0.29%
	15	\$27.92	\$27.81	(\$0.11)	-0.39%	\$5.12	\$5.10	(\$0.02)	0%	\$33.03	\$32.91	(\$0.13)	-0.38%
	20	\$29.43	\$29.29	(\$0.14)	-0.48%	\$6.82	\$6.80	(\$0.02)	0%	\$36.25	\$36.09	(\$0.17)	-0.46%
	25	\$30.95	\$30.77	(\$0.18)	-0.57%	\$8.53	\$8.50	(\$0.03)	0%	\$39.47	\$39.27	(\$0.21)	-0.52%
	30	\$32.46	\$32.25	(\$0.21)	-0.65%	\$10.23	\$10.20	(\$0.04)	0%	\$42.69	\$42.45	(\$0.24)	-0.57%
	40	\$35.49	\$35.21	(\$0.28)	-0.78%	\$13.64	\$13.59	(\$0.05)	0%	\$49.13	\$48.81	(\$0.32)	-0.66%
	50	\$38.52	\$38.17	(\$0.34)	-0.89%	\$17.05	\$16.99	(\$0.06)	0%	\$55.57	\$55.16	(\$0.40)	-0.73%
	60	\$41.54	\$41.13	(\$0.41)	-0.99%	\$20.46	\$20.39	(\$0.07)	0%	\$62.01	\$61.52	(\$0.48)	-0.78%
	70	\$44.57	\$44.09	(\$0.48)	-1.07%	\$23.87	\$23.79	(\$0.08)	0%	\$68.44	\$67.88	(\$0.56)	-0.82%
	80	\$47.60	\$47.05	(\$0.55)	-1.15%	\$27.28	\$27.19	(\$0.09)	0%	\$74.88	\$74.24	(\$0.64)	-0.86%
	100	\$53.65	\$52.97	(\$0.68)	-1.27%	\$34.10	\$33.99	(\$0.12)	0%	\$87.76	\$86.96	(\$0.80)	-0.91%
	120	\$59.71	\$58.89	(\$0.82)	-1.37%	\$40.92	\$40.78	(\$0.14)	0%	\$100.63	\$99.68	(\$0.96)	-0.95%
	140	\$65.76	\$64.81	(\$0.95)	-1.44%	\$47.75	\$47.58	(\$0.17)	0%	\$113.51	\$112.39	(\$1.12)	-0.98%
	160	\$71.82	\$70.73	(\$1.08)	-1.51%	\$54.57	\$54.38	(\$0.19)	0%	\$126.39	\$125.11	(\$1.27)	-1.01%
	180	\$77.87	\$76.66	(\$1.22)	-1.57%	\$61.39	\$61.17	(\$0.21)	0%	\$139.26	\$137.83	(\$1.43)	-1.03%
	200	\$83.93	\$82.58	(\$1.35)	-1.61%	\$68.21	\$67.97	(\$0.24)	0%	\$152.14	\$150.55	(\$1.59)	-1.04%
	250	\$99.07	\$97.38	(\$1.69)	-1.71%	\$85.26	\$84.96	(\$0.30)	0%	\$184.33	\$182.34	(\$1.99)	-1.08%
	300	\$111.72	\$109.67	(\$2.05)	-1.83%	\$102.31	\$101.96	(\$0.35)	0%	\$214.03	\$211.63	(\$2.40)	-1.12%
	350	\$120.63	\$118.20	(\$2.44)	-2.02%	\$119.36	\$118.95	(\$0.41)	0%	\$240.00	\$237.15	(\$2.85)	-1.19%
	400	\$129.55	\$126.72	(\$2.83)	-2.18%	\$136.42	\$135.94	(\$0.47)	0%	\$265.97	\$262.67	(\$3.30)	-1.24%
	500	\$147.38	\$143.78	(\$3.61)	-2.45%	\$170.52	\$169.93	(\$0.59)	0%	\$317.90	\$313.71	(\$4.20)	
	600	\$165.22	\$160.83	(\$4.39)	-2.66%	\$204.62	\$203.92	(\$0.71)	0%	\$369.84	\$364.75	(\$5.10)	-1.38%
Average	1,555	\$335.53	\$323.70	(\$11.84)	-3.53%	\$530.32	\$528.48	(\$1.84)	0%	\$865.85	\$852.18	(\$13.67)	-1.58%
	1,750	\$370.31	\$356.95	(\$13.36)	-3.61%	\$596.82	\$594.75	(\$2.07)	0%	\$967.13	\$951.70	(\$15.42)	
	2,000	\$414.89	\$399.59	(\$15.31)	-3.69%	\$682.08	\$679.72	(\$2.36)	0%	\$1,096.97	\$1,079.30	(\$17.67)	
	2,570	\$516.55	\$496.79	(\$19.75)	-3.82%	\$876.47	\$873.44	(\$3.04)	0%	\$1,393.02	\$1,370.23	(\$22.79)	
	3,000	\$593.23	\$570.13	(\$23.10)	-3.89%	\$1,023.12	\$1,019.58	(\$3.54)	0%	\$1,616.35	\$1,589.70	(\$26.65)	
	4,000	\$771.57	\$740.67	(\$30.90)	-4.01%	\$1,364.16	\$1,359.43	(\$4.73)	0%	\$2,135.73	\$2,100.10	(\$35.63)	
	4,500	\$860.74	\$825.94	(\$34.80)	-4.04%	\$1,534.68	\$1,529.36	(\$5.32)	0%	\$2,395.42	\$2,355.30	(\$40.12)	
	5,000	\$949.91	\$911.21	(\$38.70)	-4.07%	\$1,705.20	\$1,699.29	(\$5.91)	0%	\$2,655.11	\$2,610.50	(\$44.61)	
	5,500	\$980.30	\$937.20	(\$43.10)	-4.40%	\$1,875.72	\$1,869.22	(\$6.50)	0%	\$2,856.02	\$2,806.42	(\$49.60)	
	6,000	\$1,010.70	\$963.20	(\$47.50)	-4.70%	\$2,046.24	\$2,039.15	(\$7.09)	0%	\$3,056.94	\$3,002.35	(\$54.59)	
	7,000	\$1,071.49	\$1,015.18	(\$56.30)	-5.25%	\$2,387.28	\$2,379.01	(\$8.27)	0%	\$3,458.77	\$3,394.20	(\$64.57)	
	8,000	\$1,132.27	\$1,067.17	(\$65.10)	-5.75%	\$2,728.32	\$2,718.87	(\$9.45)	0%	\$3,860.60	\$3,786.04	(\$74.55)	
	9,000	\$1,193.06	\$1,119.16	(\$73.90)	-6.19%	\$3,069.36	\$3,058.73	(\$10.63)	0%	\$4,262.42	\$4,177.89	(\$84.53)	
	10,000	\$1,253.85	\$1,171.15	(\$82.70)	-6.60%	\$3,410.40	\$3,398.59	(\$11.81)	0%	\$4,664.25	\$4,569.74	(\$94.51)	-2.03%
Current					02427	Proposed			02125			Difference	Change
First 3 or L		mi.			\$24.27				\$24.27			\$0.00	0.00%
Next 277 T					\$0.297440				\$0.299990			\$0.00	0.86%
Next 4,720					\$0.173020				\$0.174500			\$0.00	0.86%
Over 5,000					\$0.055470				\$0.055950			\$0.00	0.87%
Delivery Se					********				*******			<b>*</b> 0.00	0.000/
		opment Surcl			\$0.000000				\$0.000000			\$0.00	0.00%
		ing Surcharge			-\$0.000570				-\$0.000570			\$0.00	0.00%
		ng Mechanis			-\$0.006300				-\$0.006300			\$0.00	0.00%
		essment Surc	marge		\$0.000000				\$0.000000			\$0.00	0.00%
System Ber					\$0.012189				\$0.002910			(\$0.01)	
Merchant F		narge			\$0.009750				\$0.009649			(\$0.00)	
Monthly Co					\$0.331290				\$0.330210			(\$0.00)	-0.33%
Gross Rece					0.0000000				0.0000000			0.0001	0.0001
Delivery	/				0.000000%				0.000000%			0.00%	
Supply					0.000000%				0.000000%			0.00%	0.00%

#### Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 3 Large General Gas Supply Rate Year One (Current vs. Proposed) Based on Oct 27, 2017 NYMEX Commodity

		<b>.</b>			Based on	Oct 27, 2017				m -		
			ivery			Commo	,			Total		
Therm Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
5,000	\$839.36	\$792.97	(\$46.39)	-5.53%	\$1,618.83	\$1,613.03	(\$5.80)	-0.36%	\$2,458.20	\$2,406.00	(\$52.20)	-2.12%
6,000	\$947.77	\$889.07	(\$58.70)	-6.19%	\$1,942.60	\$1,935.64	(\$6.96)	-0.36%	\$2,890.37	\$2,824.70	(\$65.67)	-2.27%
7,000	\$1,056.18	\$985.17	(\$71.01)	-6.72%	\$2,266.37	\$2,258.24	(\$8.12)	-0.36%	\$3,322.55	\$3,243.41	(\$79.14)	-2.38%
8,000	\$1,164.59	\$1,081.27	(\$83.32)	-7.15%	\$2,590.13	\$2,580.85	(\$9.28)	-0.36%	\$3,754.72	\$3,662.11	(\$92.61)	-2.47%
9,000	\$1,273.00	\$1,177.37	(\$95.63)	-7.51%	\$2,913.90	\$2,903.45	(\$10.45)	-0.36%	\$4,186.90	\$4,080.82	(\$106.08)	-2.53%
10,000	\$1,381.41	\$1,273.47	(\$107.94)	-7.81%	\$3,237.66	\$3,226.06	(\$11.61)	-0.36%	\$4,619.07	\$4,499.53	(\$119.55)	-2.59%
11,000	\$1,489.81	\$1,369.57	(\$120.25)	-8.07%	\$3,561.43	\$3,548.66	(\$12.77)	-0.36%	\$5,051.25	\$4,918.23	(\$133.01)	-2.63%
12,000	\$1,598.22	\$1,465.67	(\$132.56)	-8.29%	\$3,885.20	\$3,871.27	(\$13.93)	-0.36%	\$5,483.42	\$5,336.94	(\$146.48)	-2.67%
13,000	\$1,706.63	\$1,561.77	(\$144.87)	-8.49%	\$4,208.96	\$4,193.88	(\$15.09)	-0.36%	\$5,915.60	\$5,755.64	(\$159.95)	-2.70%
15,000	\$1,923.45	\$1,753.97	(\$169.48)	-8.81%	\$4,856.50	\$4,839.09	(\$17.41)	-0.36%	\$6,779.95	\$6,593.05	(\$186.89)	-2.76%
Average 19,995	\$2,464.95	\$2,233.98	(\$230.97)	-9.37%	\$6,473.71	\$6,450.50	(\$23.21)	-0.36%	\$8,938.66	\$8,684.49	(\$254.17)	-2.84%
20,000	\$2,465.49	\$2,234.46	(\$231.03)	-9.37%	\$6,475.33	\$6,452.12	(\$23.21)	-0.36%	\$8,940.82	\$8,686.58	(\$254.24)	-2.84%
21,000	\$2,573.90	\$2,330.56	(\$243.34)	-9.45%	\$6,799.10	\$6,774.72	(\$24.37)	-0.36%	\$9,373.00	\$9,105.29	(\$267.71)	-2.86%
24,000	\$2,899.13	\$2,618.86	(\$280.26)	-9.67%	\$7,770.39	\$7,742.54	(\$27.85)	-0.36%	\$10,669.52	\$10,361.40	(\$308.12)	-2.89%
27,000	\$3,224.35	\$2,907.16	(\$317.19)	-9.84%	\$8,741.69	\$8,710.36	(\$31.34)	-0.36%	\$11,966.05	\$11,617.52	(\$348.53)	-2.91%
30,000	\$3,549.58	\$3,195.46	(\$354.12)	-9.98%	\$9,712.99	\$9,678.18	(\$34.82)	-0.36%	\$13,262.57	\$12,873.64	(\$388.94)	-2.93%
35,000	\$4,091.62	\$3,675.96	(\$415.66)	-10.16%	\$11,331.83	\$11,291.20	(\$40.62)	-0.36%	\$15,423.45	\$14,967.16	(\$456.28)	-2.96%
40,000	\$4,633.66	\$4,156.46	(\$477.21)	-10.30%	\$12,950.66	\$12,904.23	(\$46.42)	-0.36%	\$17,584.32	\$17,060.69	(\$523.63)	-2.98%
45,000	\$5,175.71	\$4,636.96	(\$538.75)	-10.41%	\$14,569.49	\$14,517.26	(\$52.23)	-0.36%	\$19,745.20	\$19,154.22	(\$590.98)	-2.99%
50,000	\$5,717.75	\$5,117.45	(\$600.30)	-10.50%	\$16,188.32	\$16,130.29	(\$58.03)	-0.36%	\$21,906.07	\$21,247.75	(\$658.33)	-3.01%
60,000	\$6,801.84	\$6,078.45	(\$723.38)	-10.64%	\$19,425.99	\$19,356.35	(\$69.64)	-0.36%	\$26,227.82	\$25,434.80	(\$793.02)	-3.02%
70,000	\$7,885.92	\$7,039.45	(\$846.47)	-10.73%	\$22,663.65	\$22,582.41	(\$81.24)	-0.36%	\$30,549.57	\$29,621.86	(\$927.72)	-3.04%
Current					Proposed						Difference	Change
First 5,000 or Less				\$781.27				\$781.27			\$0.00	0.00%
Over 5,000 Therms per Th	nerm			\$0.096790				\$0.093760			(\$0.00)	-3.13%
Delivery Service Adjustme												
Research & Developme				\$0.000000				\$0.000000			\$0.00	0.00%
Net Revenue Sharing S				-\$0.000570				-\$0.000570			\$0.00	0.00%
Revenue Decoupling M				\$0.000000				\$0.000000			\$0.00	0.00%
Incremental State Assessm	ent Surcharge	e		\$0.000000				\$0.000000			\$0.00	0.00%
System Benefits Charge				\$0.012189				\$0.002910			(\$0.01)	-76.13%
Merchant Function Charge	:			\$0.009556				\$0.009416			(\$0.00)	-1.47%
Monthly Cost of Gas				\$0.314210				\$0.313190			(\$0.00)	-0.32%
Gross Receipts Tax												
Delivery				0.000000%				0.000000%			0.00%	0.00%
Supply				0.000000%				0.000000%			0.00%	0.00%

		Niagara Mohawk	Power Corporation d/b/	a National Grid			
			hly Bill Comparison Ta				
			Firm Gas Transportati				
		Rate Yea	ar One (Current vs. Proj	posed)			
		Based	on Oct 27, 2017 NYM				
	Therm Usage		Deliver	,			
		Current	Proposed	Difference	Change		
	100	\$523.55	\$555.06	\$31.52	6.02%		
	500	\$553.99	\$584.84	\$30.85	5.57%		
	1,000	\$592.05	\$622.07	\$30.02	5.07%		
	5,000	\$896.53	\$919.87	\$23.34	2.60%		
	10,000	\$1,277.12	\$1,292.12	\$15.00	1.17%		
	15,000	\$1,657.71	\$1,664.36	\$6.65	0.40%		
	20,000 25,000	\$2,038.31 \$2,418.90	\$2,036.61 \$2,408.86	(\$1.69) (\$10.04)	-0.08% -0.41%		
	30,000	\$2,799.49	\$2,781.11	(\$18.38)	-0.41%		
Average	42,274	\$3,733.77	\$3,694.90	(\$38.87)	-1.04%		
Tryoluge	44,000	\$3,865.15	\$3,823.40	(\$41.75)	-1.08%		
	45,000	\$3,941.27	\$3,897.85	(\$43.42)	-1.10%		
	50,000	\$4,321.86	\$4,270.10	(\$51.76)	-1.20%		
	55,000	\$4,702.46	\$4,642.35	(\$60.10)	-1.28%		
	60,000	\$5,083.05	\$5,014.60	(\$68.45)	-1.35%		
	65,000	\$5,463.64	\$5,386.85	(\$76.79)	-1.41%		
	70,000	\$5,844.24	\$5,759.10	(\$85.14)	-1.46%		
	75,000	\$6,224.83	\$6,131.34	(\$93.48)	-1.50%		
	80,000	\$6,605.42	\$6,503.59	(\$101.83)	-1.54%		
	85,000 90,000	\$6,986.01	\$6,875.84 \$7,248.09	(\$110.17)	-1.58% -1.61%		
	95,000	\$7,366.61 \$7,747.20	\$7,248.09 \$7,620.34	(\$118.52) (\$126.86)	-1.61% -1.64%		
	93,000	\$7,747.20	\$7,020.34	(\$120.80)	-1.04/0		
Current		Pro	posed			Difference	Change
First 100 or Less	\$522.38	110	F		\$554.83	\$32.45	6.21%
Over 100 Therms per Therm	\$0.064500				\$0.072110	\$0.01	11.80%
Delivery Service Adjustment							
Net Revenue Sharing	-\$0.000570				-\$0.000570	\$0.00	0.00%
Research & Development Surcharge	\$0.000000				\$0.000000	\$0.00	0.00%
Revenue Decoupling Mechanism	\$0.000000				\$0.000000	\$0.00	0.00%
Incremental State Assessment Surcharge	\$0.000000				\$0.000000	\$0.00	0.00%
System Benefits Charge	\$0.012189				\$0.002910	(\$0.01)	-76.13%
Gross Receipts Tax Delivery	0.000000%				0.000000%	0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 7 Small Volume Firm Gas Transportation Rate Year One (Current vs. Proposed) Based on Oct 27, 2017 NYMEX Delivery Therm Usage Current Proposed Difference Change 2,100 \$387.29 \$367.80 (\$19.49)-5.03% 2.500 \$439.83 \$419.63 (\$20.19)-4.59% 3,100 \$518.63 \$497.38 (\$21.25)-4.10% 3,500 \$571.17 \$549.21 (\$21.96)-3.85% 4,100 \$649.98 \$626.96 (\$23.02)-3.54% 4,500 \$702.52 \$678.79 (\$23.73)-3.38% 5,100 \$781.33 \$756.54 (\$24.79)-3.17% 5,500 \$833.87 \$808.37 (\$25.50)-3.06% -2.91% 6,100 \$912.68 \$886.12 (\$26.56)7,610 (\$29.23) -2.63% Average \$1,111.02 \$1,081.78 7,700 \$1,122.84 \$1,093.45 (\$29.39)-2.62% 8,000 \$1,162.24 \$1,132.32 (\$29.92)-2.57% \$1,175.38 \$1,145.28 (\$30.10)8,100 -2.56% \$1,227.92 \$1,197.11 (\$30.81)8,500 -2.51% 9,100 \$1,306.73 \$1,274.86 (\$31.87)-2.44% 9,500 \$1,359.27 \$1,326.69 (\$32.58)-2.40% 10,000 \$1,424.94 \$1,391.48 -2.35% (\$33.46)20,000 \$2,738.43 \$2,687.28 (\$51.15)-1.87% \$4,051.91 \$3,983.07 30,000 (\$68.84)-1.70% 40,000 \$5,365.40 \$5,278.87 (\$86.53)-1.61% 50,000 \$6,678.88 \$6,574.67 (\$104.22)-1.56% 60,000 \$7,992.37 \$7,870.46 (\$121.91)-1.53% Current Proposed Difference Change \$361.27 \$361.27 First 2 100 or Less \$0.00 0.00%

1 11 St 2,100 Of LESS	\$301.27	\$301.27	\$0.00	0.0078
Over 2,100 Therms per Therm	\$0.118960	\$0.126470	\$0.01	6.31%
Delivery Service Adjustment				
Research & Development Surcharge	\$0.00000	\$0.00000	\$0.00	0.00%
Revenue Decoupling Mechanism	\$0.000200	\$0.000200	\$0.00	0.00%
Incremental State Assessment Surcharge	\$0.00000	\$0.00000	\$0.00	0.00%
System Benefits Charge	\$0.012189	\$0.002910	(\$0.01)	-76.13%
Gross Receipts Tax				
Delivery	0.000000%	0.000000%	0.00%	0.00%

# Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 8 Gas Transportation Service with Standby Sales Rate Year One (Current vs. Proposed) Based on Oct 27, 2017 NYMEX Delivery Current Proposed Difference

		Based of					
	Therm Usage		Delive	,			
		Current	Proposed	Difference	Change		
	100	\$925.20	\$1,039.77	\$114.57	12.38%		
	500	\$956.13	\$1,069.85	\$113.72	11.89%		
	1,000	\$994.78	\$1,107.44	\$112.66	11.33%		
	5,000	\$1,304.02	\$1,408.20	\$104.19	7.99%		
	10,000	\$1,690.56	\$1,784.15	\$93.59	5.54%		
	50,000	\$4,782.90	\$4,791.74	\$8.84	0.18%		
	100,000	\$8,648.33	\$8,551.22	(\$97.11)	-1.12%		
	200,000	\$15,992.19	\$15,641.19	(\$351.00)	-2.19%		
Average	327,759	\$25,374.63	\$24,699.26	(\$675.37)	-2.66%		
	330,000	\$25,539.21	\$24,858.15	(\$681.06)	-2.67%		
	345,000	\$26,640.79	\$25,921.64	(\$719.14)	-2.70%		
	350,000	\$27,007.98	\$26,276.14	(\$731.84)	-2.71%		
	400,000	\$30,679.91	\$29,821.13	(\$858.78)	-2.80%		
	450,000	\$34,351.84	\$33,366.11	(\$985.73)	-2.87%		
	500,000	\$38,023.77	\$36,911.09	(\$1,112.68)	-2.93%		
	550,000	\$41,271.20	\$39,985.58	(\$1,285.62)	-3.12%		
	600,000	\$44,518.63	\$43,060.06	(\$1,458.57)	-3.28%		
	650,000	\$47,766.06	\$46,134.55	(\$1,631.51)	-3.42%		
	700,000	\$51,013.49	\$49,209.03	(\$1,804.46)	-3.54%		
	750,000	\$54,260.92	\$52,283.51	(\$1,977.40)	-3.64%		
	800,000	\$57,508.35	\$55,358.00	(\$2,150.35)	-3.74%		
	850,000	\$60,755.78	\$58,432.48	(\$2,323.30)	-3.82%		
Current		Proposed				Difference	Change
First 100 or Less	\$924.04				\$1,039.54	\$115.50	12.50%
Next 99,900 Therms per Therm	\$0.065690				\$0.072850	\$0.01	10.90%
Next 400,000 Therms per Therm	\$0.061820				\$0.068560	\$0.01	10.90%
Over 500,000 Therms per Therm	\$0.053330				\$0.059150	\$0.01	10.91%
Delivery Service Adjustment							
Research & Development Surcharge	\$0.000000				\$0.000000	\$0.00	0.00%
Net Revenue Sharing	-\$0.000570				-\$0.000570	\$0.00	0.00%
Incremental State Assessment Surcharge	\$0.000000				\$0.000000	\$0.00	0.00%
System Benefits Charge	\$0.012189				\$0.002910	(\$0.01)	-76.13%
Gross Receipts Tax							
Delivery	0.000000%				0.000000%	0.00%	0.00%

### Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 12 Distributed Generation Service - Non-Residential (< 250,000 Therms for Summer)

				SC 12 D	istributed Ger		ne (Current vs		Therms for Sumr	ner)			
							Oct 27, 2017	1 /					
			Delive	·rv		Dased on		modity			Tota	ı	
		Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
	Therm Usage												
	0	\$148.27	\$148.27	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0.00%	\$148.27	\$148.27	\$0.00	0.00%
	3	\$148.27	\$148.27	\$0.00	0.00%	\$0.92	\$0.92	(\$0.00)	-0.11%	\$149.19	\$149.19	(\$0.00)	0.00%
	100	\$153.13	\$152.57	(\$0.57)	-0.37%	\$30.75	\$30.72	(\$0.04)	-0.11%	\$183.89	\$183.29	(\$0.60)	-0.33%
	300	\$163.17	\$161.43	(\$1.73)	-1.06%	\$92.26	\$92.15	(\$0.11)	-0.11%	\$255.43	\$253.59	(\$1.84)	-0.72%
	500	\$173.20	\$170.30	(\$2.90)	-1.68%	\$153.76	\$153.59	(\$0.18)	-0.11%	\$326.97	\$323.89	(\$3.08)	-0.94%
	700	\$183.24	\$179.17	(\$4.07)	-2.22%	\$215.27	\$215.02	(\$0.25)	-0.11%	\$398.50	\$394.19	(\$4.32)	-1.08%
	900	\$193.27	\$188.03	(\$5.24)	-2.71%	\$276.77	\$276.46	(\$0.32)	-0.11%	\$470.04	\$464.49	(\$5.56)	-1.18%
	1,000	\$198.29	\$192.47	(\$5.82)	-2.94%	\$307.52	\$307.17	(\$0.35)	-0.11%	\$505.81	\$499.64	(\$6.17)	-1.22%
	1,500	\$223.37	\$214.63	(\$8.74)	-3.91%	\$461.29	\$460.76	(\$0.53)	-0.11%	\$684.66	\$675.39	(\$9.27)	-1.35%
Average	2,638	\$280.47	\$265.08	(\$15.39)	-5.49%	\$811.25	\$810.32	(\$0.93)	-0.11%	\$1,091.72	\$1,075.40	(\$16.32)	-1.49%
	5,000	\$398.97	\$369.79	(\$29.18)	-7.31%	\$1,537.62	\$1,535.86	(\$1.76)	-0.11%	\$1,936.59	\$1,905.65	(\$30.94)	-1.60%
	9,000	\$599.65	\$547.11	(\$52.54)	-8.76%	\$2,767.72	\$2,764.55	(\$3.17)	-0.11%	\$3,367.37	\$3,311.66	(\$55.71)	-1.65%
	10,000	\$649.82	\$591.44	(\$58.38)	-8.98%	\$3,075.25	\$3,071.72	(\$3.52)	-0.11%	\$3,725.06	\$3,663.16	(\$61.91)	-1.66%
	11,000	\$699.99	\$635.77	(\$64.22)	-9.17%	\$3,382.77	\$3,378.90	(\$3.88)	-0.11%	\$4,082.76	\$4,014.66	(\$68.10)	-1.67%
	12,000	\$750.16	\$680.10	(\$70.06)	-9.34%	\$3,690.30	\$3,686.07	(\$4.23)	-0.11%	\$4,440.45	\$4,366.16	(\$74.29)	-1.67%
	13,000	\$800.33	\$724.43	(\$75.90)	-9.48%	\$3,997.82	\$3,993.24	(\$4.58)	-0.11%	\$4,798.15	\$4,717.67	(\$80.48)	-1.68%
	14,000	\$850.50	\$768.76	(\$81.74)	-9.61%	\$4,305.35	\$4,300.41	(\$4.93)	-0.11%	\$5,155.84	\$5,069.17	(\$86.68)	-1.68%
	15,000	\$900.67	\$813.09	(\$87.58)	-9.72%	\$4,612.87	\$4,607.59	(\$5.29)	-0.11%	\$5,513.54	\$5,420.67	(\$92.87)	-1.68%
	16,000	\$950.84	\$857.42	(\$93.42)	-9.83%	\$4,920.40	\$4,914.76	(\$5.64)	-0.11%	\$5,871.23	\$5,772.17	(\$99.06)	-1.69%
	17,000	\$1,001.01	\$901.75	(\$99.26)	-9.92%	\$5,227.92	\$5,221.93	(\$5.99)	-0.11%	\$6,228.93	\$6,123.68	(\$105.25)	-1.69%
	18,000	\$1,051.18	\$946.08	(\$105.10)	-10.00%	\$5,535.44	\$5,529.10	(\$6.34)	-0.11%	\$6,586.62	\$6,475.18	(\$111.45)	-1.69%
	19,000	\$1,101.35	\$990.41	(\$110.94)	-10.07%	\$5,842.97	\$5,836.27	(\$6.70)	-0.11%	\$6,944.32	\$6,826.68	(\$117.64)	-1.69%
	20,000	\$1,151.52	\$1,034.74	(\$116.78)	-10.14%	\$6,150.49	\$6,143.45	(\$7.05)	-0.11%	\$7,302.01	\$7,178.18	(\$123.83)	-1.70%
	21,000	\$1,201.69	\$1,079.07	(\$122.62)	-10.20%	\$6,458.02	\$6,450.62	(\$7.40)	-0.11%	\$7,659.71	\$7,529.68	(\$130.02)	-1.70%
	22,000	\$1,251.86	\$1,123.40	(\$128.46)	-10.26%	\$6,765.54	\$6,757.79	(\$7.75)	-0.11%	\$8,017.40	\$7,881.19	(\$136.21)	-1.70%
	23,000	\$1,302.03	\$1,167.73	(\$134.30)	-10.31%	\$7,073.07	\$7,064.96	(\$8.10)	-0.11%	\$8,375.10	\$8,232.69	(\$142.41)	-1.70%
	24,000	\$1,352.20	\$1,212.06	(\$140.14)	-10.36%	\$7,380.59	\$7,372.14	(\$8.46)	-0.11%	\$8,732.79	\$8,584.19	(\$148.60)	-1.70%
į	Current					Proposed						Difference	Change
	First 3 or Less				\$148.27				\$148.27			\$0.00	0.00%
	Over 3 Therms pe	r Therm			\$0.050740				\$0.044900			(\$0.01)	-11.51%
	Delivery Service											(,,,,	
	Net Revenue S				-\$0.000570				-\$0.000570			\$0.00	0.00%
	Research & Development Surcharge \$0.0000				\$0.000000				\$0.000000			\$0.00	0.00%
	Incremental State Assessment Surcharge \$0.00000				\$0.000000				\$0.000000			\$0.00	0.00%
	Merchant Function Charge \$0.008595				\$0.008595				\$0.009202			\$0.00	7.07%
	Monthly Cost of Gas \$0.298930							\$0.297970			(\$0.00)	-0.32%	
	Gross Receipts Ta	ıx											
	Delivery				0.000000%				0.000000%			0.00%	0.00%
	Supply				0.000000%				0.000000%			0.00%	0.00%

### Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 12 Distributed Generation Service - Non-Residential (< 250,000 Therms for Winter) Rate Year One (Current vs. Proposed)

			Del	ivery			Comr	nodity			Total		
	Therm	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
	Usage												
	0	\$148.27	\$148.27	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0.00%	\$148.27	\$148.27	\$0.00	0.00%
	3	\$148.27	\$148.27	\$0.00	0.00%	\$0.92	\$0.92	(\$0.00)	-0.11%	\$149.19	\$149.19	(\$0.00)	0.00%
	100	\$154.45	\$153.73	(\$0.72)	-0.47%	\$30.75	\$30.72	(\$0.04)	-0.11%	\$185.20	\$184.45	(\$0.75)	-0.41%
	300	\$167.19	\$164.99	(\$2.20)	-1.32%	\$92.26	\$92.15	(\$0.11)	-0.11%	\$259.45	\$257.14	(\$2.31)	-0.89%
	500	\$179.94	\$176.25	(\$3.68)	-2.05%	\$153.76	\$153.59	(\$0.18)	-0.11%	\$333.70	\$329.84	(\$3.86)	-1.16%
	700	\$192.68	\$187.52	(\$5.16)	-2.68%	\$215.27	\$215.02	(\$0.25)	-0.11%	\$407.95	\$402.54	(\$5.41)	-1.33%
	900	\$205.43	\$198.78	(\$6.65)	-3.24%	\$276.77	\$276.46	(\$0.32)	-0.11%	\$482.20	\$475.23	(\$6.96)	-1.44%
	1,000	\$211.80	\$204.41	(\$7.39)	-3.49%	\$307.52	\$307.17	(\$0.35)	-0.11%	\$519.32	\$511.58	(\$7.74)	-1.49%
	1,500	\$243.66	\$232.56	(\$11.09)	-4.55%	\$461.29	\$460.76	(\$0.53)	-0.11%	\$704.94	\$693.32	(\$11.62)	-1.65%
Average	2,638	\$316.17	\$296.65	(\$19.53)	-6.18%	\$811.25	\$810.32	(\$0.93)	-0.11%	\$1,127.42	\$1,106.97	(\$20.45)	-1.81%
	5,000	\$466.68	\$429.65	(\$37.03)	-7.93%	\$1,537.62	\$1,535.86	(\$1.76)	-0.11%	\$2,004.30	\$1,965.51	(\$38.79)	-1.94%
	9,000	\$721.56	\$654.89	(\$66.67)	-9.24%	\$2,767.72	\$2,764.55	(\$3.17)	-0.11%	\$3,489.28	\$3,419.44	(\$69.84)	-2.00%
	10,000	\$785.28	\$711.20	(\$74.08)	-9.43%	\$3,075.25	\$3,071.72	(\$3.52)	-0.11%	\$3,860.52	\$3,782.92	(\$77.60)	-2.01%
	11,000	\$849.00	\$767.51	(\$81.49)	-9.60%	\$3,382.77	\$3,378.90	(\$3.88)	-0.11%	\$4,231.77	\$4,146.41	(\$85.36)	-2.02%
	12,000	\$912.72	\$823.82	(\$88.90)	-9.74%	\$3,690.30	\$3,686.07	(\$4.23)	-0.11%	\$4,603.01	\$4,509.89	(\$93.13)	-2.02%
	13,000	\$976.44	\$880.13	(\$96.31)	-9.86%	\$3,997.82	\$3,993.24	(\$4.58)	-0.11%	\$4,974.26	\$4,873.37	(\$100.89)	-2.03%
	14,000	\$1,040.16	\$936.44	(\$103.72)	-9.97%	\$4,305.35	\$4,300.41	(\$4.93)	-0.11%	\$5,345.50	\$5,236.85	(\$108.65)	-2.03%
	15,000	\$1,103.88	\$992.75	(\$111.13)	-10.07%	\$4,612.87	\$4,607.59	(\$5.29)	-0.11%	\$5,716.75	\$5,600.33	(\$116.41)	-2.04%
	16,000	\$1,167.60	\$1,049.06	(\$118.54)	-10.15%	\$4,920.40	\$4,914.76	(\$5.64)	-0.11%	\$6,087.99	\$5,963.82	(\$124.18)	-2.04%
	17,000	\$1,231.32	\$1,105.37	(\$125.95)	-10.23%	\$5,227.92	\$5,221.93	(\$5.99)	-0.11%	\$6,459.24	\$6,327.30	(\$131.94)	-2.04%
	18,000	\$1,295.04	\$1,161.68	(\$133.36)	-10.30%	\$5,535.44	\$5,529.10	(\$6.34)	-0.11%	\$6,830.48	\$6,690.78	(\$139.70)	-2.05%
	19,000	\$1,358.76	\$1,217.99	(\$140.77)	-10.36%	\$5,842.97	\$5,836.27	(\$6.70)	-0.11%	\$7,201.73	\$7,054.26	(\$147.46)	-2.05%
	20,000	\$1,422.48	\$1,274.30	(\$148.18)	-10.42%	\$6,150.49	\$6,143.45	(\$7.05)	-0.11%	\$7,572.97	\$7,417.75	(\$155.23)	-2.05%
	21,000	\$1,486.20	\$1,330.61	(\$155.59)	-10.47%	\$6,458.02	\$6,450.62	(\$7.40)	-0.11%	\$7,944.22	\$7,781.23	(\$162.99)	-2.05%
	22,000	\$1,549.92	\$1,386.92	(\$163.00)	-10.52%	\$6,765.54	\$6,757.79	(\$7.75)	-0.11%	\$8,315.46	\$8,144.71	(\$170.75)	-2.05%
	23,000	\$1,613.64	\$1,443.23	(\$170.41)	-10.56%	\$7,073.07	\$7,064.96	(\$8.10)	-0.11%	\$8,686.71	\$8,508.19	(\$178.51)	-2.06%
	24,000	\$1,677.36	\$1,499.54	(\$177.82)	-10.60%	\$7,380.59	\$7,372.14	(\$8.46)	-0.11%	\$9,057.95	\$8,871.68	(\$186.27)	-2.06%
C	Current				1	Proposed						Difference	Change
F	irst 3 or Less				\$148.27				\$148.27			\$0.00	0.00%
	Over 3 Therms				\$0.064290				\$0.056880			(\$0.01)	-11.53%
D	Delivery Service	ce Adjustment											
	Net Revenue	e Sharing			-\$0.000570				-\$0.000570			\$0.00	0.00%
		Development			\$0.000000				\$0.000000			\$0.00	0.00%
		ate Assessment	Surcharge		\$0.000000				\$0.000000			\$0.00	0.00%
	Merchant Func				\$0.008595				\$0.009202			\$0.00	7.07%
	Monthly Cost of				\$0.298930				\$0.297970			(\$0.00)	-0.32%
G	Gross Receipts	Tax											
	Delivery				0.000000%				0.000000%			0.00%	0.00%
	Supply				0.000000%				0.000000%			0.00%	0.00%

### Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 12 Distributed Generation Service - Non-Residential (250,000 - 1,000,000 Therms for Summer) Rate Year One (Current vs. Proposed) Based on Oct 27, 2017 NYMEX

						Based or							
			Deli	very			Commo	dity			Total		
	Therm	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
	Usage												
	0	\$466.54	\$466.54	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0.00%	\$466.54	\$466.54	\$0.00	0.00%
	3	\$466.53	\$466.53	\$0.00	0.00%	\$0.92	\$0.92	(\$0.00)	-0.11%	\$467.46	\$467.46	(\$0.00)	0.00%
	100	\$470.87	\$470.36	(\$0.51)	-0.11%	\$30.75	\$30.72	(\$0.04)	-0.11%	\$501.62	\$501.08	(\$0.54)	-0.11%
	500	\$488.73	\$486.14	(\$2.59)	-0.53%	\$153.76	\$153.59	(\$0.18)	-0.11%	\$642.49	\$639.72	(\$2.77)	-0.43%
	1,000	\$511.05	\$505.86	(\$5.19)	-1.02%	\$307.52	\$307.17	(\$0.35)	-0.11%	\$818.58	\$813.03	(\$5.55)	-0.68%
	2,000	\$555.70	\$545.30	(\$10.40)	-1.87%	\$615.05	\$614.34	(\$0.70)	-0.11%	\$1,170.75	\$1,159.64	(\$11.11)	-0.95%
	3,000	\$600.35	\$584.74	(\$15.61)	-2.60%	\$922.57	\$921.52	(\$1.06)	-0.11%	\$1,522.93	\$1,506.25	(\$16.67)	-1.09%
	4,000	\$645.00	\$624.18	(\$20.82)	-3.23%	\$1,230.10	\$1,228.69	(\$1.41)	-0.11%	\$1,875.10	\$1,852.87	(\$22.23)	-1.19%
	5,000	\$689.65	\$663.62	(\$26.03)	-3.78%	\$1,537.62	\$1,535.86	(\$1.76)	-0.11%	\$2,227.27	\$2,199.48	(\$27.80)	-1.25%
Average	6,528	\$757.88	\$723.88	(\$34.00)	-4.49%	\$2,007.52	\$2,005.22	(\$2.30)	-0.11%	\$2,765.40	\$2,729.10	(\$36.30)	-1.31%
	7,000	\$778.95	\$742.50	(\$36.45)	-4.68%	\$2,152.67	\$2,150.21	(\$2.47)	-0.11%	\$2,931.62	\$2,892.70	(\$38.92)	-1.33%
	8,000	\$823.60	\$781.94	(\$41.66)	-5.06%	\$2,460.20	\$2,457.38	(\$2.82)	-0.11%	\$3,283.80	\$3,239.32	(\$44.48)	-1.35%
	9,000	\$868.25	\$821.38	(\$46.87)	-5.40%	\$2,767.72	\$2,764.55	(\$3.17)	-0.11%	\$3,635.97	\$3,585.93	(\$50.05)	-1.38%
	9,200	\$877.18	\$829.26	(\$47.92)	-5.46%	\$2,829.23	\$2,825.99	(\$3.24)	-0.11%	\$3,706.41	\$3,655.25	(\$51.16)	-1.38%
	9,500	\$890.58	\$841.10	(\$49.48)	-5.56%	\$2,921.48	\$2,918.14	(\$3.35)	-0.11%	\$3,812.06	\$3,759.23	(\$52.83)	-1.39%
	10,000	\$912.90	\$860.82	(\$52.08)	-5.71%	\$3,075.25	\$3,071.72	(\$3.52)	-0.11%	\$3,988.15	\$3,932.54	(\$55.61)	-1.39%
	15,000	\$1,136.15	\$1,058.02	(\$78.13)	-6.88%	\$4,612.87	\$4,607.59	(\$5.29)	-0.11%	\$5,749.02	\$5,665.60	(\$83.42)	-1.45%
	20,000	\$1,359.40	\$1,255.22	(\$104.18)	-7.66%	\$6,150.49	\$6,143.45	(\$7.05)	-0.11%	\$7,509.90	\$7,398.66	(\$111.23)	-1.48%
	25,000	\$1,582.65	\$1,452.42	(\$130.23)	-8.23%	\$7,688.12	\$7,679.31	(\$8.81)	-0.11%	\$9,270.77	\$9,131.73	(\$139.04)	-1.50%
	30,000	\$1,805.90	\$1,649.62	(\$156.28)	-8.65%	\$9,225.74	\$9,215.17	(\$10.57)	-0.11%	\$11,031.64	\$10,864.79	(\$166.86)	-1.51%
	35,000	\$2,029.15	\$1,846.82	(\$182.33)	-8.99%	\$10,763.36	\$10,751.03	(\$12.33)	-0.11%	\$12,792.52	\$12,597.85	(\$194.67)	-1.52%
	40,000	\$2,252.40	\$2,044.02	(\$208.38)	-9.25%	\$12,300.99	\$12,286.89	(\$14.09)	-0.11%	\$14,553.39	\$14,330.91	(\$222.48)	-1.53%
	45,000	\$2,475.65	\$2,241.22	(\$234.43)	-9.47%	\$13,838.61	\$13,822.76	(\$15.86)	-0.11%	\$16,314.26	\$16,063.97	(\$250.29)	-1.53%
	50,000	\$2,698.90	\$2,438.42	(\$260.48)	-9.65%	\$15,376.24	\$15,358.62	(\$17.62)	-0.11%	\$18,075.14	\$17,797.03	(\$278.10)	-1.54%
	55,000	\$2,922.15	\$2,635.62	(\$286.53)	-9.81%	\$16,913.86	\$16,894.48	(\$19.38)	-0.11%	\$19,836.01	\$19,530.10	(\$305.91)	-1.54%
	60,000	\$3,145.40	\$2,832.82	(\$312.58)	-9.94%	\$18,451.48	\$18,430.34	(\$21.14)	-0.11%	\$21,596.88	\$21,263.16	(\$333.73)	-1.55%
	65,000	\$3,368.65	\$3,030.02	(\$338.63)	-10.05%	\$19,989.11	\$19,966.20	(\$22.90)	-0.11%	\$23,357.76	\$22,996.22	(\$361.54)	-1.55%
	70,000	\$3,591.90	\$3,227.22	(\$364.68)	-10.15%	\$21,526.73	\$21,502.06	(\$24.67)	-0.11%	\$25,118.63	\$24,729.28	(\$389.35)	-1.55%
	75,000	\$3,815.15	\$3,424.42	(\$390.73)	-10.24%	\$23,064.35	\$23,037.93	(\$26.43)	-0.11%	\$26,879.50	\$26,462.34	(\$417.16)	-1.55%
G .					,	D 1						D:00	CI
Current					\$466.54	Proposed			\$466.54			Difference \$0.00	Change
First 3 or Less Over 3 Therm					\$466.54 \$0.045220				\$466.54 \$0.040010				0.00% -11.52%
Delivery Servi					\$0.043220				\$0.040010			(\$0.01)	-11.32%
Net Revent		ent			-\$0.000570				-\$0.000570			\$0.00	0.00%
		ent Surcharge			\$0.000000				\$0.000000			\$0.00	0.00%
		nent Surcharge			\$0.000000				\$0.000000			\$0.00	0.00%
Merchant Fun					\$0.008595				\$0.00000			\$0.00	7.07%
Monthly Cost		C			\$0.008393				\$0.009202			(\$0.00)	-0.32%
Gross Receipt					30.270730				\$0.277770			(50.00)	-0.5270
Delivery	.o 1 a A				0.000000%				0.000000%			0.00%	0.00%
Supply					0.000000%				0.000000%			0.00%	0.00%
Suppry					0.00000070				0.00000070			0.0070	0.0070

## Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 12 Distributed Generation Service - Non-Residential (250,000 - 1,000,000 Therms for Winter) Rate Year One (Current vs. Proposed) Based on Oct 27, 2017 NYMEX

1	_		Deli	VELV		Commodity					Total			
	Therm Current Proposed Difference Change					0 1			CI	0 1		D:00	CI	
	Jsage	Current	Proposed			Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	
	0	\$466.54	\$466.54	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0.00%	\$466.54	\$466.54	\$0.00	0.00%	
	3	\$466.53	\$466.53	\$0.00	0.00%	\$0.92	\$0.92	(\$0.00)	-0.11%	\$467.46	\$467.46	(\$0.00)	0.00%	
	100	\$472.04	\$471.40	(\$0.64)	-0.14%	\$30.75	\$30.72	(\$0.04)	-0.11%	\$502.79	\$502.11	(\$0.68)	-0.13%	
	500	\$494.72	\$491.44	(\$3.28)	-0.66%	\$153.76	\$153.59	(\$0.18)	-0.11%	\$648.48	\$645.03	(\$3.46)	-0.53%	
	1,000	\$523.07	\$516.49	(\$6.58)	-1.26%	\$307.52	\$307.17	(\$0.35)	-0.11%	\$830.60	\$823.67	(\$6.93)	-0.83%	
	2,000	\$579.78	\$566.60	(\$13.18)	-2.27%	\$615.05	\$614.34	(\$0.70)	-0.11%	\$1,194.83	\$1,180.95	(\$13.88)	-1.16%	
	3,000	\$636.49	\$616.71	(\$19.78)	-3.11%	\$922.57	\$921.52	(\$1.06)	-0.11%	\$1,559.07	\$1,538.23	(\$20.84)	-1.34%	
	4,000	\$693.20	\$666.82	(\$26.38)	-3.81%	\$1,230.10	\$1,228.69	(\$1.41)	-0.11%	\$1,923.30	\$1,895.51	(\$27.79)	-1.44%	
	5,000	\$749.91	\$716.93	(\$32.98)	-4.40%	\$1,537.62	\$1,535.86	(\$1.76)	-0.11%	\$2,287.54	\$2,252.80	(\$34.74)	-1.52%	
Average	6,528	\$836.57	\$793.50	(\$43.07)	-5.15%	\$2,007.52	\$2,005.22	(\$2.30)	-0.11%	\$2,844.09	\$2,798.72	(\$45.37)	-1.60%	
	7,000	\$863.33	\$817.15	(\$46.18)	-5.35%	\$2,152.67	\$2,150.21	(\$2.47)	-0.11%	\$3,016.01	\$2,967.36	(\$48.65)	-1.61%	
	8,000	\$920.04	\$867.26	(\$52.78)	-5.74%	\$2,460.20	\$2,457.38	(\$2.82)	-0.11%	\$3,380.24	\$3,324.64	(\$55.60)	-1.64%	
	9,000	\$976.75	\$917.37	(\$59.38)	-6.08%	\$2,767.72	\$2,764.55	(\$3.17)	-0.11%	\$3,744.48	\$3,681.93	(\$62.55)	-1.67%	
	9,200	\$988.10	\$927.40	(\$60.70)	-6.14%	\$2,829.23	\$2,825.99	(\$3.24)	-0.11%	\$3,817.32	\$3,753.38	(\$63.94)	-1.68%	
	9,500	\$1,005.11	\$942.43	(\$62.68)	-6.24%	\$2,921.48	\$2,918.14	(\$3.35)	-0.11%	\$3,926.59	\$3,860.57	(\$66.03)	-1.68%	
	10,000	\$1,033.46	\$967.48	(\$65.98)	-6.38%	\$3,075.25	\$3,071.72	(\$3.52)	-0.11%	\$4,108.71	\$4,039.21	(\$69.50)	-1.69%	
	15,000	\$1,317.01	\$1,218.03	(\$98.98)	-7.52%	\$4,612.87	\$4,607.59	(\$5.29)	-0.11%	\$5,929.89	\$5,825.62	(\$104.27)	-1.76%	
	20,000	\$1,600.56	\$1,468.58	(\$131.98)	-8.25%	\$6,150.49	\$6,143.45	(\$7.05)	-0.11%	\$7,751.06	\$7,612.03	(\$139.03)	-1.79%	
	25,000	\$1,884.11	\$1,719.13	(\$164.98)	-8.76%	\$7,688.12	\$7,679.31	(\$8.81)	-0.11%	\$9,572.23	\$9,398.44	(\$173.79)	-1.82%	
	30,000	\$2,167.66	\$1,969.68	(\$197.98)	-9.13%	\$9,225.74	\$9,215.17	(\$10.57)	-0.11%	\$11,393.41	\$11,184.85	(\$208.55)	-1.83%	
	35,000	\$2,451.21	\$2,220.23	(\$230.98)	-9.42%	\$10,763.36	\$10,751.03	(\$12.33)	-0.11%	\$13,214.58	\$12,971.27	(\$243.31)	-1.84%	
	40,000	\$2,734.76	\$2,470.78	(\$263.98)	-9.65%	\$12,300.99	\$12,286.89	(\$14.09)	-0.11%	\$15,035.75	\$14,757.68	(\$278.08)	-1.85%	
	45,000	\$3,018.31	\$2,721.33	(\$296.98)	-9.84%	\$13,838.61	\$13,822.76	(\$15.86)	-0.11%	\$16,856.93	\$16,544.09	(\$312.84)	-1.86%	
	50,000	\$3,301.86	\$2,971.88	(\$329.98)	-9.99%	\$15,376.24	\$15,358.62	(\$17.62)	-0.11%	\$18,678.10	\$18,330.50	(\$347.60)	-1.86%	
	55,000	\$3,585.41	\$3,222.43	(\$362.98)	-10.12%	\$16,913.86	\$16,894.48	(\$19.38)	-0.11%	\$20,499.27	\$20,116.91	(\$382.36)	-1.87%	
	60,000	\$3,868.96	\$3,472.98	(\$395.98)	-10.23%	\$18,451.48	\$18,430.34	(\$21.14)	-0.11%	\$22,320.45	\$21,903.32	(\$417.12)	-1.87%	
	65,000	\$4,152.51	\$3,723.53	(\$428.98)	-10.33%	\$19,989.11	\$19,966.20	(\$22.90)	-0.11%	\$24,141.62	\$23,689.74	(\$451.88)	-1.87%	
	70,000	\$4,436.06 \$4,719.61	\$3,974.08	(\$461.98)	-10.41%	\$21,526.73 \$23,064.35	\$21,502.06 \$23,037.93	(\$24.67)	-0.11%	\$25,962.79	\$25,476.15	(\$486.65)	-1.87% -1.88%	
	75,000	\$4,/19.01	\$4,224.63	(\$494.98)	-10.49%	\$23,004.33	\$23,037.93	(\$26.43)	-0.11%	\$27,783.97	\$27,262.56	(\$521.41)	-1.88%	
Current					1	Proposed						Difference	Change	
First 3 or Less					\$466.54				\$466.54		•	\$0.00	0.00%	
Over 3 Therms p	er Therm				\$0.057280				\$0.050680			(\$0.01)	-11.52%	
Delivery Service		nt			*******				***************************************			(**** )		
Net Revenue					-\$0.000570				-\$0.000570			\$0.00	0.00%	
Research & I		nt Surcharge			\$0.000000				\$0.000000			\$0.00	0.00%	
Incremental Stat					\$0.000000				\$0.000000			\$0.00	0.00%	
Merchant Functi	ion Charge				\$0.008595				\$0.009202			\$0.00	7.07%	
Monthly Cost of					\$0.298930				\$0.297970			(\$0.00)	-0.32%	
Gross Receipts	Гах											. ,		
Delivery					0.000000%				0.000000%			0.00%	0.00%	
Supply					0.000000%				0.000000%			0.00%	0.00%	

### Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 13 Distributed Generation - Residential Rate Year One (Current vs. Proposed) Based on Oct 27, 2017 NYMEX

			11		Commodity					Total			
TT **	0 :		livery	CI				- CI				CI	
Therm Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	
0	\$28.12	\$28.12	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0%	\$28.12	\$28.12	\$0.00	0.00%	
3	\$28.12	\$28.12	\$0.00	0.00%	\$1.04	\$1.04	(\$0.00)	0%	\$29.16	\$29.16	(\$0.00)	0.00%	
10	\$28.40	\$28.40	\$0.00	0.00%	\$3.46	\$3.45	(\$0.00)	0%	\$31.85	\$31.85	(\$0.00)	-0.01%	
15	\$28.59	\$28.59	\$0.00	0.00%	\$5.19	\$5.18	(\$0.01)	0%	\$33.78	\$33.77	(\$0.01)	-0.02%	
20	\$28.79	\$28.79	\$0.00	0.00%	\$6.91	\$6.91	(\$0.01)	0%	\$35.70	\$35.70	(\$0.01)	-0.02%	
25	\$28.99	\$28.99	\$0.00	0.00%	\$8.64	\$8.63	(\$0.01)	0%	\$37.63	\$37.62	(\$0.01)	-0.03%	
30	\$29.18	\$29.18	\$0.00	0.00%	\$10.37	\$10.36	(\$0.01)	0%	\$39.55	\$39.54	(\$0.01)	-0.03%	
40	\$29.58	\$29.58	\$0.00	0.00%	\$13.83	\$13.81	(\$0.02)	0%	\$43.41	\$43.39	(\$0.02)	-0.04%	
50	\$29.97	\$29.97	\$0.00	0.00%	\$17.29	\$17.27	(\$0.02)	0%	\$47.26	\$47.24	(\$0.02)	-0.04%	
60	\$30.36	\$30.36	\$0.00	0.00%	\$20.74	\$20.72	(\$0.02)	0%	\$51.11	\$51.08	(\$0.02)	-0.05%	
70	\$30.76	\$30.76	\$0.00	0.00%	\$24.20	\$24.17	(\$0.03)	0%	\$54.96	\$54.93	(\$0.03)	-0.05%	
80	\$31.15	\$31.15	\$0.00	0.00%	\$27.66	\$27.62	(\$0.03)	0%	\$58.81	\$58.78	(\$0.03)	-0.06%	
90	\$31.54	\$31.54	\$0.00	0.00%	\$31.11	\$31.08	(\$0.04)	0%	\$62.66	\$62.62	(\$0.04)	-0.06%	
95	\$31.74	\$31.74	\$0.00	0.00%	\$32.84	\$32.80	(\$0.04)	0%	\$64.58	\$64.55	(\$0.04)	-0.06%	
Average 101	\$31.98	\$31.98	\$0.00	0.00%	\$34.92	\$34.88	(\$0.04)	0%	\$66.90	\$66.85	(\$0.04)	-0.06%	
160	\$34.30	\$34.30	\$0.00	0.00%	\$55.31	\$55.25	(\$0.07)	0%	\$89.61	\$89.55	(\$0.07)	-0.07%	
180	\$35.09	\$35.09	\$0.00	0.00%	\$62.23	\$62.16	(\$0.07)	0%	\$97.32	\$97.24	(\$0.07)	-0.08%	
200	\$35.87	\$35.87	\$0.00	0.00%	\$69.14	\$69.06	(\$0.08)	0%	\$105.02	\$104.94	(\$0.08)	-0.08%	
220	\$36.66	\$36.66	\$0.00	0.00%	\$76.06	\$75.97	(\$0.09)	0%	\$112.72	\$112.63	(\$0.09)	-0.08%	
250	\$37.84	\$37.84	\$0.00	0.00%	\$86.43	\$86.33	(\$0.10)	0%	\$124.27	\$124.17	(\$0.10)	-0.08%	
300	\$39.81	\$39.81	\$0.00	0.00%	\$103.71	\$103.59	(\$0.12)	0%	\$143.52	\$143.40	(\$0.12)	-0.09%	
400	\$43.75	\$43.75	\$0.00	0.00%	\$138.29	\$138.12	(\$0.16)	0%	\$182.03	\$181.87	(\$0.16)	-0.09%	
Current					Proposed						Difference	Change	
First 3 or Less				\$27.56				\$27.56			\$0.00	0.00%	
Over 3 Therms per Therm				\$0.039140				\$0.039140			\$0.00	0.00%	
Delivery Service Adjustme	ent												
Research & Developme	nt Surcharg	ge		\$0.000000				\$0.000000			\$0.00	0.00%	
Net Revenue Sharing Su	urcharge			-\$0.000570				-\$0.000570			\$0.00	0.00%	
Revenue Decoupling M	echanism			\$0.000000				\$0.000000			\$0.00	0.00%	
Incremental State Assessm		ge		\$0.000000				\$0.000000			\$0.00	0.00%	
Merchant Function Charge				\$0.009036				\$0.009716			\$0.00	7.53%	
Monthly Cost of Gas				\$0.336680				\$0.335590			(\$0.00)	-0.32%	
Gross Receipts Tax													
Delivery				2.040820%				2.040820%			0.00%	0.00%	
Supply				0.000000%				0.000000%			0.00%	0.00%	

#### Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 1 Residential Non-Heat and Heat Rate Year One (FY 19) vs. Rate Year Two (FY 20) Based on Oct 27, 2017 NYMEX

	D	elivery				Total						
Therm Usage	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change
0	\$20.77	\$20.77	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0%	\$20.77	\$20.77	\$0.00	0.00%
3	\$20.78	\$20.78	\$0.00	0.00%	\$1.01	\$1.01	\$0.00	0%	\$21.80	\$21.80	\$0.00	0.00%
10	\$23.89	\$24.31	\$0.42	1.77%	\$3.37	\$3.37	\$0.00	0%	\$27.26	\$27.68	\$0.42	1.55%
15	\$26.10	\$26.83	\$0.72	2.77%	\$5.06	\$5.06	\$0.00	0%	\$31.16	\$31.89	\$0.72	2.32%
20	\$28.32	\$29.35	\$1.03	3.62%	\$6.75	\$6.75	\$0.00	0%	\$35.07	\$36.09	\$1.03	2.92%
25	\$30.54	\$31.86	\$1.33	4.34%	\$8.43	\$8.43	\$0.00	0%	\$38.97	\$40.30	\$1.33	3.40%
30	\$32.75	\$34.38	\$1.63	4.97%	\$10.12	\$10.12	\$0.00	0%	\$42.87	\$44.50	\$1.63	3.80%
40	\$37.19	\$39.42	\$2.23	6.00%	\$13.49	\$13.49	\$0.00	0%	\$50.68	\$52.91	\$2.23	4.40%
50	\$41.62	\$44.45	\$2.83	6.81%	\$16.86	\$16.86	\$0.00	0%	\$58.48	\$61.32	\$2.83	4.85%
60	\$42.41	\$45.34	\$2.93	6.92%	\$20.24	\$20.24	\$0.00	0%	\$62.64	\$65.58	\$2.93	4.68%
70	\$43.19	\$46.23	\$3.03	7.02%	\$23.61	\$23.61	\$0.00	0%	\$66.80	\$69.84	\$3.03	4.54%
Average 77	\$43.75	\$46.85	\$3.10	7.09%	\$25.97	\$25.97	\$0.00	0%	\$69.72	\$72.82	\$3.10	4.45%
83	\$44.22	\$47.38	\$3.16	7.15%	\$27.99	\$27.99	\$0.00	0%	\$72.21	\$75.38	\$3.16	4.38%
120	\$47.13	\$50.66	\$3.53	7.49%	\$40.47	\$40.47	\$0.00	0%	\$87.61	\$91.14	\$3.53	4.03%
140	\$48.71	\$52.44	\$3.73	7.66%	\$47.22	\$47.22	\$0.00	0%	\$95.93	\$99.66	\$3.73	3.89%
160	\$50.28	\$54.21	\$3.93	7.82%	\$53.97	\$53.97	\$0.00	0%	\$104.25	\$108.18	\$3.93	3.77%
180	\$51.86	\$55.99	\$4.13	7.96%	\$60.71	\$60.71	\$0.00	0%	\$112.57	\$116.70	\$4.13	3.67%
200	\$53.43	\$57.76	\$4.33	8.10%	\$67.46	\$67.46	\$0.00	0%	\$120.89	\$125.22	\$4.33	3.58%
220	\$55.01	\$59.54	\$4.53	8.23%	\$74.20	\$74.20	\$0.00	0%	\$129.21	\$133.74	\$4.53	3.50%
250	\$57.37	\$62.20	\$4.83	8.41%	\$84.32	\$84.32	\$0.00	0%	\$141.69	\$146.52	\$4.83	3.41%
300	\$61.31	\$66.64	\$5.33	8.69%	\$101.18	\$101.18	\$0.00	0%	\$162.50	\$167.82	\$5.33	3.28%
400	\$69.19	\$75.51	\$6.32	9.14%	\$134.91	\$134.91	\$0.00	0%	\$204.10	\$210.43	\$6.32	3.10%
FY19					FY20						Difference	Change
First 3 or Less				\$20.35				\$20.35			\$0.00	0.00%
Next 47 Therms per				\$0.42819				\$0.48728			\$0.06	13.80%
Over 50 Therms per				\$0.07097				\$0.08074			\$0.01	13.77%
Delivery Service Ac												
Research & Dev				\$0.000000				\$0.000000			\$0.00	0.00%
Net Revenue Sha				-\$0.000570				-\$0.000570			\$0.00	0.00%
Revenue Decoup				\$0.002170				\$0.002170			\$0.00	0.00%
Incremental State A		urcharge		\$0.000000				\$0.000000			\$0.00	0.00%
System Benefits Ch				\$0.004626				\$0.004626			\$0.00	0.00%
Merchant Function				\$0.020373				\$0.020373			\$0.000	0.00%
Monthly Cost of Ga				\$0.316910				\$0.316910			\$0.00	0.00%
Gross Receipts Tax												
Delivery				2.040820%				2.040820%			0.00%	0.00%
Supply				0.000000%				0.000000%			0.00%	0.00%

### Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 1 Residential Non-Heat and Heat (Tier 1) Rate Year One (FY 19) vs. Rate Year Two (FY 20)

Based on Oct 27, 2017 NYMEX

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Usage	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change
0	\$17.70	\$17.70	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0%	\$17.70	\$17.70	\$0.00	0.00%
3	\$17.72	\$17.72	\$0.00	0.00%	\$1.01	\$1.01	\$0.00	0%	\$18.73	\$18.73	\$0.00	0.00%
10	\$20.83	\$21.25	\$0.42	2.03%	\$3.37	\$3.37	\$0.00	0%	\$24.20	\$24.62	\$0.42	1.74%
15	\$23.04	\$23.77	\$0.72	3.14%	\$5.06	\$5.06	\$0.00	0%	\$28.10	\$28.83	\$0.72	2.57%
20	\$25.26	\$26.28	\$1.03	4.06%	\$6.75	\$6.75	\$0.00	0%	\$32.00	\$33.03	\$1.03	3.20%
25	\$27.48	\$28.80	\$1.33	4.83%	\$8.43	\$8.43	\$0.00	0%	\$35.91	\$37.23	\$1.33	3.69%
30	\$29.69	\$31.32	\$1.63	5.48%	\$10.12	\$10.12	\$0.00	0%	\$39.81	\$41.44	\$1.63	4.09%
40	\$34.12	\$36.36	\$2.23	6.54%	\$13.49	\$13.49	\$0.00	0%	\$47.62	\$49.85	\$2.23	4.69%
50	\$38.56	\$41.39	\$2.83	7.35%	\$16.86	\$16.86	\$0.00	0%	\$55.42	\$58.26	\$2.83	5.11%
60	\$39.35	\$42.28	\$2.93	7.46%	\$20.24	\$20.24	\$0.00	0%	\$59.58	\$62.52	\$2.93	4.92%
70	\$40.13	\$43.17	\$3.03	7.56%	\$23.61	\$23.61	\$0.00	0%	\$63.74	\$66.78	\$3.03	4.76%
90	\$41.71	\$44.94	\$3.23	7.75%	\$30.36	\$30.36	\$0.00	0%	\$72.06	\$75.30	\$3.23	4.49%
100	\$42.50	\$45.83	\$3.33	7.84%	\$33.73	\$33.73	\$0.00	0%	\$76.22	\$79.56	\$3.33	4.37%
120	\$44.07	\$47.60	\$3.53	8.01%	\$40.47	\$40.47	\$0.00	0%	\$84.55	\$88.08	\$3.53	4.18%
140	\$45.65	\$49.38	\$3.73	8.17%	\$47.22	\$47.22	\$0.00	0%	\$92.87	\$96.60	\$3.73	4.02%
160	\$47.22	\$51.15	\$3.93	8.32%	\$53.97	\$53.97	\$0.00	0%	\$101.19	\$105.12	\$3.93	3.88%
180	\$48.80	\$52.93	\$4.13	8.46%	\$60.71	\$60.71	\$0.00	0%	\$109.51	\$113.64	\$4.13	3.77%
200	\$50.37	\$54.70	\$4.33	8.59%	\$67.46	\$67.46	\$0.00	0%	\$117.83	\$122.16	\$4.33	3.67%
220	\$51.95	\$56.48	\$4.53	8.72%	\$74.20	\$74.20	\$0.00	0%	\$126.15	\$130.68	\$4.53	3.59%
250	\$54.31	\$59.14	\$4.83	8.89%	\$84.32	\$84.32	\$0.00	0%	\$138.63	\$143.46	\$4.83	3.48%
300	\$58.25	\$63.58	\$5.33	9.14%	\$101.18	\$101.18	\$0.00	0%	\$159.44	\$164.76	\$5.33	3.34%
400	\$66.13	\$72.45	\$6.32	9.56%	\$134.91	\$134.91	\$0.00	0%	\$201.04	\$207.36	\$6.32	3.15%
					FY20						Difference	Change
				\$17.35				\$17.35			\$0.00	0.00%
ns per Tl	herm			\$0.428190				\$0.48728			\$0.06	13.80%
ns per T	herm			\$0.070970				\$0.08074			\$0.01	13.77%
ce Adju	stment											
Develo	pment Su	rcharge		\$0.000000				\$0.000000			\$0.00	0.00%
				-\$0.000570				-\$0.000570			\$0.00	0.00%
				\$0.002170				\$0.002170			\$0.00	0.00%
				\$0.000000				\$0.000000			\$0.00	0.00%
ts Charg	ge	_		\$0.004626				\$0.004626			\$0.00	0.00%
ction Ch	arge			\$0.020373				\$0.020373			\$0.00	0.00%
	-			\$0.316910				\$0.316910			\$0.00	0.00%
				2.040820%				2.040820%			0.00%	0.00%
				0.000000%				0.000000%			0.00%	0.00%
	0 3 10 15 20 25 30 40 50 60 70 90 100 120 140 160 220 250 300 400  as per TI as per TI ce Adju: Develo the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the Sharing the 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10 \$20.83 \$21.25 \$0.42 2.03% 15 \$23.04 \$23.77 \$0.72 3.14% 20 \$25.26 \$26.28 \$1.03 4.06% 25 \$27.48 \$28.80 \$1.33 4.83% 30 \$29.69 \$31.32 \$1.63 5.48% 40 \$34.12 \$36.36 \$2.23 6.54% 50 \$38.56 \$41.39 \$2.83 7.35% 60 \$39.35 \$42.28 \$2.93 7.46% 70 \$40.13 \$43.17 \$3.03 7.56% 90 \$41.71 \$44.94 \$3.23 7.75% 100 \$42.50 \$45.83 \$3.33 7.84% 120 \$44.07 \$47.60 \$3.53 8.01% 140 \$45.65 \$49.38 \$3.73 8.17% 160 \$47.22 \$51.15 \$3.93 8.32% 180 \$48.80 \$52.93 \$4.13 8.46% 200 \$50.37 \$54.70 \$4.33 8.59% 220 \$51.95 \$56.48 \$4.53 8.72% 220 \$51.95 \$56.48 \$4.53 8.72% 220 \$51.95 \$56.48 \$4.53 8.72% 220 \$51.95 \$56.48 \$4.53 8.72% 220 \$51.95 \$56.48 \$4.53 8.72% 220 \$51.95 \$56.48 \$4.53 8.72% 220 \$51.95 \$56.48 \$4.53 8.72% 220 \$51.95 \$56.48 \$4.53 8.72% 220 \$51.95 \$56.48 \$4.53 8.72% 220 \$51.95 \$56.48 \$4.53 8.72% 220 \$51.95 \$56.48 \$4.53 8.72% 220 \$51.95 \$56.48 \$4.53 8.72% 220 \$51.95 \$56.48 \$4.53 8.72% 220 \$51.95 \$56.48 \$4.53 8.72% 220 \$51.95 \$56.48 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\$40.0000000000	Usage	Usage	Usage FY10 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 Difference Change FY19 FY20 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Change FY20 Difference Change FY20 Difference Change FY20 Difference Change FY20	Name

The SC-1 low income bill impacts are using the Energy Affordability Credit of a \$3 for a customer in the Tier 1 benefit level. In accordance with the Order in Case 14-M-0465 issued February 17, 2017, there are five Energy Affordability Credit tiers. The Heating customers Tiers: Tier 1: \$3.00, Tier 2: \$10.00, Tier 3: \$29.00, Tier 4: \$12.00, Tier 5: \$3.00

The Non-Heating customers Tiers : Tier 1-Tier 5: \$3.00

### Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 2 Small General - Residential Rate Year One (FY 19) vs. Rate Year Two (FY 20) Based on Oct 27, 2017 NYMEX

Them Usage   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyle   Tyl			Dali			Based on Oct 27, 2017 NYMEX Commodity					Total			
1	Therm Heage	EV10			Change	EV10			Change	FV10			Change	
3 \$24.30 \$34.30 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$1.00 \$2.64 \$0.25 \$2.8 \$3.23 \$0.00 \$0.00 \$1.00 \$2.64 \$0.25 \$1.00 \$2.64 \$0.25 \$1.00 \$2.64 \$0.25 \$1.00 \$2.64 \$0.25 \$2.00 \$2.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.	Them Osage	1 1 1 9	1120	Difference	Change	1119	1 1 20	Difference	Change	1119	1 1 20	Difference	Change	
10	0	\$24.27	\$24.27	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0%	\$24.27	\$24.27	\$0.00	0.00%	
15 328,04 \$23.34 \$0.29	3	\$24.30	\$24.30	\$0.00	0.00%	\$0.97	\$0.97	\$0.00	0%	\$25.28	\$25.28	\$0.00	0.00%	
20 \$29.00 \$30.02 \$0.041   1.40% \$6.47 \$6.47 \$0.00 0% \$36.07 \$36.48 \$0.41 1.15% \$1.50 \$2.51 \$31.16 \$1.70 \$1.50 \$1.70 \$1.50 \$1.70 \$1.50 \$1.70 \$1.50 \$1.70 \$1.50 \$1.70 \$1.50 \$1.70 \$1.50 \$1.70 \$1.50 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.70 \$1.7	10	\$26.49	\$26.66	\$0.17	0.64%	\$3.23	\$3.23	\$0.00	0%	\$29.72	\$29.89	\$0.17	0.57%	
25 \$31.16 \$31.70 \$0.54 \$1.72% \$8.09 \$8.09 \$0.00 \$0% \$39.25 \$39.78 \$0.54 \$1.59% \$1.50% \$39.50 \$30.00 \$32.72 \$33.37 \$0.66 \$2.01% \$9.70 \$9.00 \$0% \$42.42 \$43.08 \$0.66 \$1.59% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50% \$1.50%	15	\$28.04	\$28.34	\$0.29	1.04%	\$4.85	\$4.85	\$0.00	0%	\$32.90	\$33.19	\$0.29	0.89%	
190	20	\$29.60	\$30.02	\$0.41	1.40%	\$6.47	\$6.47	\$0.00	0%	\$36.07	\$36.48	\$0.41	1.15%	
40 \$35.83 \$36.73 \$0.90 \$2.51% \$12.94 \$12.94 \$0.00 \$0% \$48.77 \$49.67 \$0.90 \$1.85% \$5.51 \$0.538.95 \$40.09 \$1.14 \$2.94% \$16.17 \$0.00 \$0% \$58.30 \$55.62 \$1.14 \$2.97% \$60.00 \$42.07 \$4.518 \$41.77 \$1.27 \$1.12% \$11.79 \$17.79 \$0.00 \$0% \$58.30 \$59.56 \$1.27 \$2.17% \$60.00 \$42.07 \$43.45 \$1.39 \$1.30% \$19.41 \$1.90.00 \$0% \$64.65 \$66.16 \$1.51 \$2.33% \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$1.65 \$	25	\$31.16	\$31.70	\$0.54	1.72%	\$8.09	\$8.09	\$0.00	0%	\$39.25	\$39.78	\$0.54	1.36%	
Solition	30	\$32.72	\$33.37	\$0.66	2.01%	\$9.70	\$9.70	\$0.00	0%	\$42.42	\$43.08	\$0.66	1.55%	
S5   S40.51   S41.77   S12.79   S17.79   S17.79   S00.00   O%   SS8.30   S59.56   S12.72   21.7%	40	\$35.83	\$36.73	\$0.90	2.51%	\$12.94	\$12.94	\$0.00	0%	\$48.77	\$49.67	\$0.90	1.85%	
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65 \$43.62 \$45.13 \$1.51 \$3.46% \$21.02 \$21.02 \$00.0 0% \$67.82 \$64.65 \$66.16 \$1.51 \$2.33% 79 \$45.18 \$46.81 \$1.63 \$3.61% \$22.64 \$22.64 \$00.0 0% \$67.82 \$69.45 \$1.63 \$2.47% \$80 \$48.20 \$50.05 \$69.45 \$1.63 \$2.47% \$80 \$48.20 \$50.17 \$1.87 \$3.8% \$24.26 \$24.26 \$0.00 0% \$67.10 \$71.00 \$72.75 \$1.75 \$47% \$80 \$48.20 \$50.17 \$1.87 \$3.8% \$24.26 \$24.26 \$0.00 0% \$71.00 \$71.00 \$72.75 \$1.75 \$47% \$80 \$48.20 \$2.47% \$80 \$48.20 \$2.47% \$80 \$48.20 \$2.47% \$80 \$48.20 \$2.47% \$80 \$48.20 \$2.47% \$80 \$48.20 \$2.47% \$80 \$48.20 \$2.47% \$80 \$48.20 \$2.47% \$80 \$40 \$40 \$48.20 \$2.47% \$80 \$40 \$40 \$48.20 \$2.47% \$40 \$40 \$40 \$40 \$40 \$40 \$40 \$40 \$40 \$40		\$40.51	\$41.77	\$1.27	3.12%		\$17.79	\$0.00	0%	\$58.30		\$1.27	2.17%	
Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property	60	\$42.07	\$43.45	\$1.39	3.30%	\$19.41	\$19.41		0%	\$61.47		\$1.39	2.26%	
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90   \$51.4   \$53.53   \$212   \$4.12%   \$29.11   \$30.00   0%   \$80.52   \$82.64   \$2.12   \$2.67%   \$0.5521   \$0.5527   \$55.21   \$2.24   \$4.23%   \$50.073   \$50.00   0%   \$80.57   \$58.70   \$58.94   \$52.24   \$2.67%   \$0.00   \$0.554.53   \$56.89   \$2.36   \$4.33%   \$53.235   \$32.35   \$50.00   0%   \$86.87   \$89.23   \$52.56   \$2.72%   \$0.00   \$0.554.53   \$56.69   \$56.49   \$50.00   \$0.554.53   \$57.64   \$31.14   \$4.87%   \$52.70   \$42.70   \$50.00   0%   \$810.72   \$5110.33   \$31.14   \$2.93%   \$0.00   \$0.554.53   \$57.64   \$0.314.4   \$4.87%   \$4.270   \$4.270   \$50.00   0%   \$5150.38   \$155.17   \$4.79   \$3.19%   \$0.00   \$151.56   \$6.14.12   \$9.86   \$6.51%   \$5161.73   \$10.00   \$0.00   \$0.554.53   \$52.233   \$2.70.77   \$8.44   \$3.22%   \$0.00   \$0.554.53   \$0.170.77   \$181.45   \$11.28   \$6.63%   \$19.9407   \$19.407   \$5.00   \$0.00   \$0.00   \$5.62.23   \$2.70.77   \$8.44   \$3.22%   \$0.00   \$0.00   \$1.00   \$0.00   \$1.00   \$0.00   \$1.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00														
Post   S\$2.97   S\$5.21   S\$2.24   4.23%   \$30.73   \$30.73   \$0.00   0%   \$83.70   \$85.94   \$2.24   2.67%														
No.   100   S\$4.53   \$56.89   \$23.6   4.33%   \$32.35   \$32.25   \$30.00   0%   \$86.87   \$89.23   \$2.36   2.72%														
Average 132 S64 50 S67,64 S314 4.87% S42.70 S42.70 S0.00 0% S107.20 S110.33 S31.4 2.93% Register 132 S65 50 S90.48 S4.79 5.59% S66.69 S6.6.69 S0.00 0% S10.33 S31.51 S4.79 3.19% S4.40 S132.95 S141.39 S8.44 6.35% S129.38 S129.38 S0.00 0% S20.33 S270.77 S8.44 3.22% S60.00 S13.56 S161.42 S9.86 6.51% S161.73 S161.73 S0.00 0% S313.28 S323.15 S9.86 3.15% S60 S151.56 S161.42 S9.86 6.51% S161.73 S161.73 S0.00 0% S313.28 S323.15 S9.86 3.15% S60 S10.00 S90.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.00 S10.														
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400   \$132.95   \$141.39   \$8.44   6.35%   \$129.38   \$129.38   \$0.00   0%   \$2.562.33   \$27.77   \$8.44   3.22%	ŭ													
Solid   Signature   Solid   Signature   Solid   Signature   Solid   Signature   Solid   Signature   Solid   Signature   Solid   Signature   Solid   Signature   Solid   Signature   Solid   Signature   Solid   Signature   Solid   Signature   Solid   Signature   Solid   Signature   Solid   Signature   Solid   Signature   Solid   Signature   Solid   Signature   Solid   Signature   Solid   Signature   Solid   Signature   Solid   Signature   Solid   Signature   Solid   Signature   Signature   Solid   Signature   Solid   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature   Signature														
600   \$170,17   \$181,45   \$11,28   6.63%   \$194,07   \$194,07   \$0,00   0%   \$346,24   \$375,52   \$11,28   3,10%														
1,000   \$244,61   \$261,57   \$16,96   6,93%   \$323,46   \$323,46   \$30,00   0%   \$568,06   \$588,03   \$16,96   2,99%														
1,500   \$337,66   \$361.72   \$324.06   7,13%   \$485.18   \$485.18   \$0.00   0%   \$822.84   \$846.90   \$24.06   2.92%														
2,000														
2,570 \$536.78 \$576.04 \$392.6 7,31% \$831.28 \$831.28 \$0.00 0% \$1,368.06 \$1,407.32 \$39.26 2.87% 3,000 \$616.81 \$662.17 \$45.36 7.35% \$970.37 \$970.37 \$0.00 0% \$1,587.17 \$1,632.54 \$45.36 2.86% 4,000 \$802.91 \$862.47 \$59.56 7.42% \$1,293.82 \$1,293.82 \$0.00 0% \$2,096.73 \$2,156.29 \$59.56 2.84% 4,500 \$895.96 \$962.62 \$66.66 7.44% \$1,455.55 \$1,455.55 \$0.00 0% \$2,096.73 \$2,156.29 \$59.56 2.84% 5,000 \$898.01 \$1,062.77 \$73.76 7.46% \$1,455.55 \$1,455.55 \$0.00 0% \$2,206.73 \$2,156.29 \$59.56 2.84% 5,000 \$989.01 \$1,062.77 \$73.76 7.46% \$1,457.55 \$1,457.55 \$0.00 0% \$2,201.8 \$2,871.8 \$2,877.8 5.50 \$0.00 \$0.00 \$1,027.8 \$1,098.84 \$76.06 7.44% \$1,779.00 \$1,779.00 \$0.00 0% \$2,801.8 \$2,871.8 \$576.06 \$2.83% 6.000 \$1,022.78 \$1,098.84 \$76.06 7.44% \$1,779.00 \$1,779.00 \$0.00 0% \$2,801.8 \$2,871.8 \$576.06 \$2.71% 6.000 \$1,056.56 \$1,134.92 \$78.36 7.42% \$1,940.73 \$1,940.73 \$0.00 0% \$2,997.29 \$3,075.65 \$78.36 \$2.64.9 \$0.00 \$1,027.8 \$1,191.65 \$1,279.22 \$87.56 7.35% \$2,264.19 \$2,264.19 \$0.00 0% \$3,388.29 \$3,471.25 \$82.96 \$2.45% 8.000 \$1,191.65 \$1,279.22 \$87.56 7.35% \$2,264.19 \$2,041.19 \$0.00 0% \$3,379.30 \$3,866.86 \$87.56 \$2.32% 9.000 \$1,259.20 \$1,351.37 \$92.16 7.32% \$2,911.10 \$2,911.10 \$0.00 0% \$4,170.30 \$4,262.46 \$92.16 \$2.12% \$10,000 \$1,326.75 \$1,423.52 \$96.76 7.29% \$3,234.55 \$3,234.55 \$0.00 0% \$4,561.31 \$4,658.07 \$96.76 \$2.12% \$0.00 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200 \$1,200														
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6,000		\$989.01	\$1,062.77	\$73.76	7.46%	\$1,617.28	\$1,617.28		0%	\$2,606.28		\$73.76		
7,000 \$1,124.10 \$1,207.07 \$82.96 7.38% \$2,264.19 \$2,264.19 \$0.00 0% \$3,388.29 \$3,471.25 \$82.96 2.45% 8,000 \$1,191.65 \$1,279.22 \$87.56 7.35% \$2,587.64 \$2,587.64 \$0.00 0% \$3,779.30 \$3,866.86 \$87.56 2.32% 9,000 \$1,259.20 \$1,351.37 \$92.16 7.32% \$2,911.10 \$2,911.10 \$0.00 0% \$4,170.30 \$4,262.46 \$92.16 2.21% 10,000 \$1,326.75 \$1,423.52 \$96.76 7.29% \$3,234.55 \$3.234.55 \$0.00 0% \$4,561.31 \$4,658.07 \$96.76 2.12% \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.20 \$1.	5,500	\$1,022.78	\$1,098.84	\$76.06	7.44%	\$1,779.00	\$1,779.00	\$0.00	0%	\$2,801.78	\$2,877.85	\$76.06	2.71%	
Research & Development Surcharge   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.00000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.000000   S0.0000000   S0.0000000   S0.0000000   S0.0000000   S0.0000000   S0.0000000   S0.0000000   S0.0000000	6,000	\$1,056.56	\$1,134.92	\$78.36	7.42%	\$1,940.73	\$1,940.73	\$0.00	0%	\$2,997.29	\$3,075.65	\$78.36	2.61%	
9,000   \$1,259.20   \$1,351.37   \$92.16   7.32%   \$2,911.10   \$2,911.10   \$0.00   0%   \$4,170.30   \$4,262.46   \$92.16   2.21%   \$1,000   \$1,326.75   \$1,423.52   \$96.76   7.29%   \$3,234.55   \$3,234.55   \$0.00   0%   \$4,561.31   \$4,658.07   \$96.76   2.12%   \$1,000   \$1,326.75   \$1,423.52   \$96.76   7.29%   \$3,234.55   \$3,234.55   \$0.00   0%   \$4,561.31   \$4,658.07   \$96.76   2.12%   \$1,000   \$1,000   \$1,326.75   \$1,423.52   \$96.76   7.29%   \$3,234.55   \$3,234.55   \$0.00   0%   \$4,561.31   \$4,658.07   \$96.76   2.12%   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,000   \$1,	7,000	\$1,124.10	\$1,207.07	\$82.96	7.38%	\$2,264.19	\$2,264.19	\$0.00	0%	\$3,388.29	\$3,471.25	\$82.96	2.45%	
Tourn   FY19	8,000	\$1,191.65	\$1,279.22	\$87.56	7.35%	\$2,587.64	\$2,587.64	\$0.00	0%	\$3,779.30	\$3,866.86	\$87.56	2.32%	
FY19 State Service Adjustment Research & Declivery Service Adjustment Surcharge South South South Surcharge South South State Assessment Surcharge South South State Assessment Surcharge South South State Assessment Surcharge South South South South State Assessment Surcharge South South South South South State Assessment Surcharge South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South Sou	9,000	\$1,259.20	\$1,351.37	\$92.16	7.32%	\$2,911.10	\$2,911.10	\$0.00	0%	\$4,170.30	\$4,262.46	\$92.16	2.21%	
First 3 or Less \$24.27 \$0.00 0.00%   Next 277 Therms per Therm \$0.299990 \$0.324320 \$0.02 8.11%   Next 4,720 Therms per Therm \$0.174500 \$0.188700 \$0.188700 \$0.01 8.14%   Over 5,000 Therms per Therm \$0.055950 \$0.060550 \$0.00 8.22%   Delivery Service Adjustment   Research & Development Surcharge \$0.000000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0	10,000	\$1,326.75	\$1,423.52	\$96.76	7.29%	\$3,234.55	\$3,234.55	\$0.00	0%	\$4,561.31	\$4,658.07	\$96.76	2.12%	
First 3 or Less \$24.27 \$0.00 0.00%   Next 277 Therms per Therm \$0.299990 \$0.324320 \$0.02 8.11%   Next 4,720 Therms per Therm \$0.174500 \$0.188700 \$0.188700 \$0.01 8.14%   Over 5,000 Therms per Therm \$0.055950 \$0.060550 \$0.00 8.22%   Delivery Service Adjustment   Research & Development Surcharge \$0.000000 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0														
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Next 277 Therms per Therm         \$0.299990         \$0.324320         \$0.02         8.11%           Next 4,720 Therms per Therm         \$0.174500         \$0.188700         \$0.01         8.14%           Over 5,000 Therms per Therm         \$0.055950         \$0.060550         \$0.00         8.22%           Delivery Service Adjustment         \$0.000000         \$0.000000         \$0.00         0.00%           Net Revenue Sharing Surcharge         \$0.000570         \$0.000570         \$0.00         0.00%           Net Revenue Decoupling Mechanism         \$0.009260         \$0.009260         \$0.00         0.00%           Incremental State Assessment Surcharge         \$0.000000         \$0.000000         \$0.00         0.00%           System Benefits Charge         \$0.002910         \$0.002910         \$0.00         0.00%           Merchant Function Charge         \$0.009185         \$0.009185         \$0.00         0.00%           Monthly Cost of Gas         \$0.314270         \$0.314270         \$0.00         0.00%           Gross Receipts Tax         \$0.00210         \$0.00         0.00%         0.00%					¢24.27	FY20			62427					
Next 4,720 Therms per Therm         \$0.174500         \$0.188700         \$0.01         \$1.4%           Over 5,000 Therms per Therm         \$0.055950         \$0.060550         \$0.00         \$2.2%           Delivery Service Adjustment         \$0.000000         \$0.000000         \$0.00         0.00%           Net Revenue Sharing Surcharge         \$0.000570         \$0.000570         \$0.00         0.00%           Net Revenue Decoupling Mechanism         \$0.009260         \$0.009260         \$0.00         0.00%           Incremental State Assessment Surcharge         \$0.000000         \$0.000000         \$0.00         0.00%           System Benefits Charge         \$0.002910         \$0.002910         \$0.002910         \$0.00         0.00%           Merchant Function Charge         \$0.009185         \$0.009185         \$0.00         0.00%           Monthly Cost of Gas         \$0.314270         \$0.314270         \$0.00         0.00%           Gross Receipts Tax         \$0.000000         \$0.00000         \$0.00         0.00%		Th arm												
Over 5,000 Therms per Therm         \$0.055950         \$0.060550         \$0.00         8.22%           Delivery Service Adjustment         \$0.00000         \$0.00000         \$0.00         0.00%           Research & Development Surcharge         \$0.000570         \$0.000570         \$0.00         0.00%           Net Revenue Bearing Surcharge         \$0.009260         \$0.009260         \$0.009260         \$0.00         0.00%           Incremental State Assessment Surcharge         \$0.000000         \$0.00000         \$0.00         0.00%           System Benefits Charge         \$0.002910         \$0.002910         \$0.00         0.00%           Merchant Function Charge         \$0.009185         \$0.009185         \$0.00         0.00%           Monthly Cost of Gas         \$0.314270         \$0.314270         \$0.00         0.00%           Gross Receipts Tax         \$0.000000         \$0.00         \$0.00         0.00%														
Delivery Service Adjustment   Surcharge   \$0.000000   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00   \$0.00														
Research & Development Surcharge         \$0.000000         \$0.00         0.00%           Net Revenue Sharing Surcharge         -\$0.000570         \$0.00         0.00%           Revenue Decoupling Mechanism         \$0.009260         \$0.009260         \$0.00         0.00%           Incremental State Assessment Surcharge         \$0.00000         \$0.00         0.00%           System Benefits Charge         \$0.002910         \$0.002910         \$0.00         0.00%           Merchant Function Charge         \$0.009185         \$0.009185         \$0.00         0.00%           Monthly Cost of Gas         \$0.314270         \$0.314270         \$0.00         0.00%           Gross Receipts Tax         \$0.000000         \$0.00         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%					\$0.033930				\$0.000330			\$0.00	0.2270	
Net Revenue Sharing Surcharge         -\$0.000570         \$0.00         0.00%           Revenue Decoupling Mechanism         \$0.009260         \$0.009260         \$0.00900         0.00%           Incremental State Assessment Surcharge         \$0.00000         \$0.00000         \$0.00         0.00%           System Benefits Charge         \$0.002910         \$0.002910         \$0.00         0.00%           Merchant Function Charge         \$0.009185         \$0.009185         \$0.00         0.00%           Monthly Cost of Gas         \$0.314270         \$0.314270         \$0.00         0.00%           Gross Receipts Tax         \$0.00         \$0.00         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%			arge		000000				000000			90.00	0.00%	
Revenue Decoupling Mechanism         \$0.009260         \$0.009260         \$0.00 00%           Incremental State Assessment Surcharge         \$0.00000         \$0.00000         \$0.00 00%           System Benefits Charge         \$0.002910         \$0.002910         \$0.00 00%           Merchant Function Charge         \$0.009185         \$0.009185         \$0.00 00%           Monthly Cost of Gas         \$0.314270         \$0.314270         \$0.00 00%           Gross Receipts Tax         \$0.000000         \$0.00000         \$0.000         \$0.00%		-	-											
Incremental State Assessment Surcharge         \$0.000000         \$0.00         0.00%           System Benefits Charge         \$0.002910         \$0.002910         \$0.00         0.00%           Merchant Function Charge         \$0.009185         \$0.009185         \$0.00         0.00%           Monthly Cost of Gas         \$0.314270         \$0.314270         \$0.00         0.00%           Gross Receipts Tax         \$0.000000         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00%         \$0.00         \$0.00%         \$0.00%         \$0.00         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.0														
System Benefits Charge         \$0.002910         \$0.002910         \$0.00         0.00%           Merchant Function Charge         \$0.009185         \$0.009185         \$0.00         0.00%           Monthly Cost of Gas         \$0.314270         \$0.314270         \$0.00         0.00%           Gross Receipts Tax         \$0.314270         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00         0.00%         \$0.00%         \$0.00         0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0		C												
Merchant Function Charge         \$0.009185         \$0.009185         \$0.00         0.00%           Monthly Cost of Gas         \$0.314270         \$0.314270         \$0.00         0.00%           Gross Receipts Tax         \$0.314270         \$0.00         0.00%         \$0.00         0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%         \$0.00%														
Monthly Cost of Gas \$0.314270 \$0.314270 \$0.00 0.00% Gross Receipts Tax	,	-												
Gross Receipts Tax		<i>S</i> -												
												40	/0	
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Supply 0.000000% 0.000000% 0.000000% 0.00% 0.00%	-								0.000000%					

### Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 2 Small General - Commercial Rate Year One (FY 19) vs. Rate Year Two (FY 20) Based on Oct 27, 2017 NYMEX

		Deli	ivery		Based on		Total					
Therm Usage	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change
				J				Ü				Č
0	\$24.27	\$24.27	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0%	\$24.27	\$24.27	\$0.00	0.00%
3	\$24.19	\$24.19	\$0.00	0.00%	\$0.97	\$0.97	\$0.00	0%	\$25.16	\$25.16	\$0.00	0.00%
10	\$26.11	\$26.28	\$0.17	0.65%	\$3.23	\$3.23	\$0.00	0%	\$29.35	\$29.52	\$0.17	0.58%
15	\$27.49	\$27.78	\$0.29	1.06%	\$4.85	\$4.85	\$0.00	0%	\$32.34	\$32.63	\$0.29	0.90%
20	\$28.86	\$29.27	\$0.41	1.43%	\$6.47	\$6.47	\$0.00	0%	\$35.33	\$35.74	\$0.41	1.17%
25	\$30.23	\$30.77	\$0.54	1.77%	\$8.09	\$8.09	\$0.00	0%	\$38.32	\$38.85	\$0.54	1.40%
30	\$31.60	\$32.26	\$0.66	2.08%	\$9.70	\$9.70	\$0.00	0%	\$41.31	\$41.96	\$0.66	1.59%
40 50	\$34.35 \$37.09	\$35.25 \$38.23	\$0.90 \$1.14	2.62% 3.08%	\$12.94 \$16.17	\$12.94 \$16.17	\$0.00 \$0.00	0% 0%	\$47.29 \$53.26	\$48.19 \$54.41	\$0.90 \$1.14	1.90% 2.15%
60	\$39.84	\$41.22	\$1.14	3.48%	\$19.41	\$19.41	\$0.00	0%	\$59.24	\$60.63	\$1.14	2.1370
70	\$42.58	\$44.21	\$1.63	3.83%	\$22.64	\$22.64	\$0.00	0%	\$65.22	\$66.85	\$1.63	2.50%
80	\$45.32	\$47.20	\$1.87	4.13%	\$25.88	\$25.88	\$0.00	0%	\$71.20	\$73.07	\$1.87	2.63%
100	\$50.81	\$53.17	\$2.36	4.64%	\$32.35	\$32.35	\$0.00	0%	\$83.16	\$85.52	\$2.36	2.84%
120	\$56.30	\$59.15	\$2.85	5.06%	\$38.81	\$38.81	\$0.00	0%	\$95.12	\$97.96	\$2.85	2.99%
140	\$61.79	\$65.12	\$3.33	5.39%	\$45.28	\$45.28	\$0.00	0%	\$107.07	\$110.41	\$3.33	3.11%
160	\$67.28	\$71.10	\$3.82	5.68%	\$51.75	\$51.75	\$0.00	0%	\$119.03	\$122.85	\$3.82	3.21%
180	\$72.77	\$77.07	\$4.31	5.92%	\$58.22	\$58.22	\$0.00	0%	\$130.99	\$135.29	\$4.31	3.29%
200	\$78.25	\$83.05	\$4.79	6.12%	\$64.69	\$64.69	\$0.00	0%	\$142.94	\$147.74	\$4.79	3.35%
250	\$91.97	\$97.98	\$6.01	6.53%	\$80.86	\$80.86	\$0.00	0%	\$172.84	\$178.85	\$6.01	3.48%
300	\$103.19	\$110.21	\$7.02	6.81%	\$97.04	\$97.04	\$0.00	0%	\$200.22	\$207.25	\$7.02	3.51%
Average 389 400	\$116.44 \$118.08	\$124.73 \$126.52	\$8.29 \$8.44	7.12% 7.15%	\$125.82 \$129.38	\$125.82 \$129.38	\$0.00 \$0.00	0% 0%	\$242.26 \$247.46	\$250.55 \$255.90	\$8.29 \$8.44	3.42% 3.41%
500	\$118.08	\$126.52 \$142.84	\$8.44 \$9.86	7.13%	\$129.38 \$161.73	\$129.38	\$0.00 \$0.00	0% 0%	\$247.46	\$255.90	\$9.86	3.41%
600	\$132.97	\$159.15	\$11.28	7.4276	\$194.07	\$194.07	\$0.00	0%	\$341.94	\$353.22	\$11.28	3.30%
1,000	\$207.44	\$224.40	\$16.96	8.18%	\$323.46	\$323.46	\$0.00	0%	\$530.89	\$547.86	\$16.96	3.20%
1,500	\$281.90	\$305.97	\$24.06	8.54%	\$485.18	\$485.18	\$0.00	0%	\$767.08	\$791.15	\$24.06	3.14%
2,000	\$356.37	\$387.53	\$31.16	8.74%	\$646.91	\$646.91	\$0.00	0%	\$1,003.28	\$1,034.44	\$31.16	3.11%
2,570	\$441.26	\$480.51	\$39.26	8.90%	\$831.28	\$831.28	\$0.00	0%	\$1,272.54	\$1,311.79	\$39.26	3.08%
3,000	\$505.30	\$550.66	\$45.36	8.98%	\$970.37	\$970.37	\$0.00	0%	\$1,475.66	\$1,521.03	\$45.36	3.07%
4,000	\$654.23	\$713.79	\$59.56	9.10%	\$1,293.82	\$1,293.82	\$0.00	0%	\$1,948.05	\$2,007.61	\$59.56	3.06%
4,500	\$728.69	\$795.35	\$66.66	9.15%	\$1,455.55	\$1,455.55	\$0.00	0%	\$2,184.24	\$2,250.90	\$66.66	3.05%
5,000	\$803.16	\$876.92	\$73.76	9.18%	\$1,617.28	\$1,617.28	\$0.00	0%	\$2,420.43	\$2,494.19	\$73.76	3.05%
5,500	\$818.35	\$894.41	\$76.06	9.29%	\$1,779.00	\$1,779.00	\$0.00	0%	\$2,597.35	\$2,673.41	\$76.06	2.93%
6,000	\$833.54	\$911.90	\$78.36	9.40%	\$1,940.73	\$1,940.73	\$0.00	0%	\$2,774.27	\$2,852.63	\$78.36	2.82%
7,000	\$863.91	\$946.88	\$82.96	9.60%	\$2,264.19	\$2,264.19	\$0.00	0%	\$3,128.10	\$3,211.06	\$82.96	2.65%
8,000	\$894.29	\$981.86	\$87.56	9.79%	\$2,587.64	\$2,587.64	\$0.00	0%	\$3,481.94	\$3,569.50	\$87.56	2.51%
9,000 10,000	\$924.67 \$955.05	\$1,016.84 \$1,051.82	\$92.16 \$96.76	9.97% 10.13%	\$2,911.10 \$3,234.55	\$2,911.10 \$3,234.55	\$0.00 \$0.00	0% 0%	\$3,835.77 \$4,189.61	\$3,927.93 \$4,286.37	\$92.16 \$96.76	2.40% 2.31%
10,000	\$755.05	\$1,031.62	\$70.70	10.1370	\$5,254.55	\$5,254.55	\$0.00	070	\$4,167.01	34,200.37	\$70.70	2.31/0
FY19					FY20						Difference	Change
First 3 or Less				\$24.27				\$24.27			\$0.00	0.00%
Next 277 Therms per T				\$0.299990				\$0.324320			\$0.02	8.11%
Next 4,720 Therms per				\$0.174500				\$0.188700			\$0.01	8.14%
Over 5,000 Therms per				\$0.055950				\$0.060550			\$0.00	8.22%
Delivery Service Adjus				ФО ОССССС				#0.000005			40.0-	0.000
Research & Develop		ge		\$0.000000				\$0.000000			\$0.00	0.00%
Net Revenue Sharin				-\$0.000570				-\$0.000570			\$0.00	0.00%
Revenue Decoupling		rgo		-\$0.027910 \$0.000000				-\$0.027910 \$0.000000			\$0.00 \$0.00	0.00% 0.00%
Incremental State Asse System Benefits Charg		uge		\$0.000000				\$0.000000			\$0.00	0.00%
Merchant Function Cha				\$0.002910				\$0.002910			\$0.00	0.00%
Monthly Cost of Gas	60			\$0.314270				\$0.009183			\$0.00	0.00%
Gross Receipts Tax				ψ0.51π2/0				ψ0.5172/0			ψ0.00	0.0070
Delivery				0.000000%				0.000000%			0.00%	0.00%
Supply				0.000000%				0.000000%			0.00%	

### Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 2 Small General - Industrial Rate Year One (FY 19) vs. Rate Year Two (FY 20)

Rate Year One (FY 19) vs. Rate Year Two (FY 20)  Based on Oct 27, 2017 NYMEX													
Delivery					Commodity				Total				
Ther	m Usage	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change
	0	\$24.27	\$24.27	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0%	\$24.27	\$24.27	\$0.00	0.00%
	3	\$24.27	\$24.26	\$0.00	0.00%	\$0.00 \$0.97	\$0.00	\$0.00	0%	\$25.23	\$24.27	\$0.00	0.00%
	10	\$26.33	\$26.50	\$0.00	0.65%	\$3.23	\$3.23	\$0.00	0%	\$29.56	\$29.74	\$0.00	0.58%
	15	\$20.33	\$28.10	\$0.17	1.05%	\$4.85	\$4.85	\$0.00	0%	\$32.66	\$32.95	\$0.17	0.89%
	20	\$29.29	\$29.70	\$0.41	1.41%	\$6.47	\$6.47	\$0.00	0%	\$35.76	\$36.17	\$0.41	1.16%
	25	\$30.77	\$31.31	\$0.54	1.74%	\$8.09	\$8.09	\$0.00	0%	\$38.86	\$39.39	\$0.54	1.38%
	30	\$32.25	\$32.91	\$0.66	2.04%	\$9.70	\$9.70	\$0.00	0%	\$41.95	\$42.61	\$0.66	1.57%
	40	\$35.21	\$36.11	\$0.90	2.56%	\$12.94	\$12.94	\$0.00	0%	\$48.15	\$49.05	\$0.90	1.87%
	50	\$38.17	\$39.32	\$1.14	3.00%	\$16.17	\$16.17	\$0.00	0%	\$54.34	\$55.49	\$1.14	2.10%
	60	\$41.13	\$42.52	\$1.39	3.37%	\$19.41	\$19.41	\$0.00	0%	\$60.54	\$61.93	\$1.39	2.29%
	70	\$44.09	\$45.72	\$1.63	3.70%	\$22.64	\$22.64	\$0.00	0%	\$66.73	\$68.36	\$1.63	2.44%
	80	\$47.05	\$48.93	\$1.87	3.98%	\$25.88	\$25.88	\$0.00	0%	\$72.93	\$74.80	\$1.87	2.57%
	100	\$52.97	\$55.33	\$2.36	4.46%	\$32.35	\$32.35	\$0.00	0%	\$85.32	\$87.68	\$2.36	2.77%
	120	\$58.89	\$61.74	\$2.85	4.83%	\$38.81	\$38.81	\$0.00	0%	\$97.71	\$100.55	\$2.85	2.91%
	140	\$64.81	\$68.15	\$3.33	5.14%	\$45.28	\$45.28	\$0.00	0%	\$110.10	\$113.43	\$3.33	3.03%
	160	\$70.73	\$74.55	\$3.82	5.40%	\$51.75	\$51.75	\$0.00	0%	\$122.49	\$126.31	\$3.82	3.12%
	180	\$76.66	\$80.96	\$4.31	5.62%	\$58.22	\$58.22	\$0.00	0%	\$134.88	\$139.18	\$4.31	3.19%
	200	\$82.58	\$87.37	\$4.79	5.80%	\$64.69	\$64.69	\$0.00	0%	\$147.27	\$152.06	\$4.79	3.25%
	250	\$97.38	\$103.39	\$6.01	6.17%	\$80.86	\$80.86	\$0.00	0%	\$178.24	\$184.25	\$6.01	3.37%
	300 350	\$109.67 \$118.20	\$116.69 \$125.93	\$7.02 \$7.73	6.40% 6.54%	\$97.04 \$113.21	\$97.04 \$113.21	\$0.00 \$0.00	0% 0%	\$206.71 \$231.41	\$213.73 \$239.14	\$7.02 \$7.73	3.40% 3.34%
	400	\$118.20	\$125.93 \$135.17	\$7.73 \$8.44	6.66%	\$113.21 \$129.38	\$113.21	\$0.00	0%	\$256.11	\$239.14 \$264.55	\$7.73 \$8.44	3.34%
	500	\$143.78	\$153.17	\$9.86	6.86%	\$161.73	\$161.73	\$0.00	0%	\$305.50	\$315.37	\$9.86	3.23%
	600	\$160.83	\$172.11	\$11.28	7.02%	\$194.07	\$194.07	\$0.00	0%	\$354.90	\$366.19	\$11.28	3.18%
Average	1,555	\$323.70	\$348.54	\$24.84	7.68%	\$502.97	\$502.97	\$0.00	0%	\$826.67	\$851.51	\$24.84	3.01%
	1,750	\$356.95	\$384.57	\$27.61	7.74%	\$566.05	\$566.05	\$0.00	0%	\$923.00	\$950.61	\$27.61	2.99%
	2,000	\$399.59	\$430.75	\$31.16	7.80%	\$646.91	\$646.91	\$0.00	0%	\$1,046.50	\$1,077.66	\$31.16	2.98%
	2,570	\$496.79	\$536.05	\$39.26	7.90%	\$831.28	\$831.28	\$0.00	0%	\$1,328.07	\$1,367.33	\$39.26	2.96%
	3,000	\$570.13	\$615.49	\$45.36	7.96%	\$970.37	\$970.37	\$0.00	0%	\$1,540.49	\$1,585.86	\$45.36	2.94%
	4,000	\$740.67	\$800.23	\$59.56	8.04%	\$1,293.82	\$1,293.82	\$0.00	0%	\$2,034.49	\$2,094.05	\$59.56	2.93%
	4,500	\$825.94	\$892.60	\$66.66	8.07%	\$1,455.55	\$1,455.55	\$0.00	0%	\$2,281.48	\$2,348.15	\$66.66	2.92%
	5,000	\$911.21	\$984.97	\$73.76	8.10%	\$1,617.28	\$1,617.28	\$0.00	0%	\$2,528.48	\$2,602.24	\$73.76	2.92%
	5,500	\$937.20	\$1,013.26	\$76.06	8.12%	\$1,779.00	\$1,779.00	\$0.00	0%	\$2,716.20	\$2,792.27	\$76.06	2.80%
	6,000	\$963.20	\$1,041.56	\$78.36	8.14%	\$1,940.73	\$1,940.73	\$0.00	0%	\$2,903.93	\$2,982.29	\$78.36	2.70%
	7,000	\$1,015.18	\$1,098.15	\$82.96	8.17%	\$2,264.19 \$2,587.64	\$2,264.19	\$0.00	0% 0%	\$3,279.37	\$3,362.33	\$82.96	2.53% 2.40%
	8,000 9,000	\$1,067.17 \$1,119.16	\$1,154.74 \$1,211.33	\$87.56 \$92.16	8.21% 8.24%	\$2,387.04 \$2,911.10	\$2,587.64 \$2,911.10	\$0.00 \$0.00	0%	\$3,654.82 \$4,030.26	\$3,742.38 \$4,122.42	\$87.56 \$92.16	2.40%
	10,000	\$1,171.15	\$1,211.33	\$96.76	8.26%	\$3,234.55	\$3,234.55	\$0.00	0%	\$4,405.71	\$4,502.47	\$96.76	2.29%
	10,000	ψ1,171.13	\$1,207.72	\$70.70	0.2070	\$5,254.55	\$5,254.55	φ0.00	070	ψ+,+05.71	ψ <del>1</del> ,502.47	\$70.70	2.2070
FY19						FY20						Difference	Change
	First 3 or Less \$24.27					1 1 20			\$24.27			\$0.00	0.00%
	Next 277 Therms per Therm \$0.299990								\$0.324320			\$0.00	8.11%
	Next 4,720 Therms per Therm \$0.174500								\$0.188700			\$0.01	8.14%
Over 5,000	Over 5,000 Therms per Therm \$0.055950							\$0.060550			\$0.00	8.22%	
Delivery S	Delivery Service Adjustment												
	Research & Development Surcharge \$0.000000								\$0.000000			\$0.00	0.00%
Net Rev	Net Revenue Sharing Surcharge -\$0.000570								-\$0.000570			\$0.00	0.00%
		ng Mechanisi			-\$0.006300				-\$0.006300			\$0.00	0.00%
	Incremental State Assessment Surcharge \$0.000000								\$0.000000			\$0.00	0.00%
System Benefits Charge \$0.002910								\$0.002910			\$0.00	0.00%	
					\$0.009185				\$0.009185			\$0.00	0.00%
					\$0.314270				\$0.314270			\$0.00	0.00%
Gross Receipts Tax									0.00000000				0.000
	•			0.000000%				0.000000%			0.00%		
Supply	Supply				0.000000%				0.000000%			0.00%	0.00%

## Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 3 Large General Gas Supply Rate Year One (FY 19) vs. Rate Year Two (FY 20) Based on Oct 27, 2017 NYMEX

		Deli	very			Comm	odity			Total		
Therm Usage	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change
5,000	\$792.97	\$792.97	\$0.00	0.00%	\$1,532.43	\$1,532.43	\$0.00	0.00%	\$2,325.40	\$2,325.40	\$0.00	0.00%
6,000	\$889.07	\$898.11	\$9.04	1.02%	\$1,838.92	\$1,838.92	\$0.00	0.00%	\$2,727.99	\$2,737.03	\$9.04	0.33%
7,000	\$985.17	\$1,003.25	\$18.08	1.84%	\$2,145.40	\$2,145.40	\$0.00	0.00%	\$3,130.57	\$3,148.65	\$18.08	0.58%
8,000	\$1,081.27	\$1,108.39	\$27.12	2.51%	\$2,451.89	\$2,451.89	\$0.00	0.00%	\$3,533.16	\$3,560.28	\$27.12	0.77%
9,000	\$1,177.37	\$1,213.53	\$36.16	3.07%	\$2,758.38	\$2,758.38	\$0.00	0.00%	\$3,935.74	\$3,971.90	\$36.16	0.92%
10,000	\$1,273.47	\$1,318.67	\$45.20	3.55%	\$3,064.86	\$3,064.86	\$0.00	0.00%	\$4,338.33	\$4,383.53	\$45.20	1.04%
11,000	\$1,369.57	\$1,423.81	\$54.24	3.96%	\$3,371.35	\$3,371.35	\$0.00	0.00%	\$4,740.92	\$4,795.16	\$54.24	1.14%
12,000	\$1,465.67	\$1,528.95	\$63.28	4.32%	\$3,677.84	\$3,677.84	\$0.00	0.00%	\$5,143.50	\$5,206.78	\$63.28	1.23%
13,000	\$1,561.77	\$1,634.09	\$72.32	4.63%	\$3,984.32	\$3,984.32	\$0.00	0.00%	\$5,546.09	\$5,618.41	\$72.32	1.30%
15,000	\$1,753.97	\$1,844.37	\$90.40	5.15%	\$4,597.30	\$4,597.30	\$0.00	0.00%	\$6,351.26	\$6,441.66	\$90.40	1.42%
Average 19,995	\$2,233.98	\$2,369.54	\$135.55	6.07%	\$6,128.20	\$6,128.20	\$0.00	0.00%	\$8,362.18	\$8,497.73	\$135.55	1.62%
20,000	\$2,234.46	\$2,370.06	\$135.60	6.07%	\$6,129.73	\$6,129.73	\$0.00	0.00%	\$8,364.19	\$8,499.79	\$135.60	1.62%
21,000	\$2,330.56	\$2,475.20	\$144.64	6.21%	\$6,436.21	\$6,436.21	\$0.00	0.00%	\$8,766.78	\$8,911.42	\$144.64	1.65%
24,000	\$2,618.86	\$2,790.62	\$171.76	6.56%	\$7,355.67	\$7,355.67	\$0.00	0.00%	\$9,974.54	\$10,146.30	\$171.76	1.72%
27,000	\$2,907.16	\$3,106.04	\$198.88	6.84%	\$8,275.13	\$8,275.13	\$0.00	0.00%	\$11,182.29	\$11,381.17	\$198.88	1.78%
30,000	\$3,195.46	\$3,421.46	\$226.00	7.07%	\$9,194.59	\$9,194.59	\$0.00	0.00%	\$12,390.05	\$12,616.05	\$226.00	1.82%
35,000	\$3,675.96	\$3,947.16	\$271.20	7.38%	\$10,727.02	\$10,727.02	\$0.00	0.00%	\$14,402.98	\$14,674.18	\$271.20	1.88%
40,000	\$4,156.46	\$4,472.86	\$316.40	7.61%	\$12,259.46	\$12,259.46	\$0.00	0.00%	\$16,415.91	\$16,732.31	\$316.40	1.93%
45,000	\$4,636.96	\$4,998.56	\$361.60	7.80%	\$13,791.89	\$13,791.89	\$0.00	0.00%	\$18,428.84	\$18,790.44	\$361.60	1.96%
50,000	\$5,117.45	\$5,524.25	\$406.80	7.95%	\$15,324.32	\$15,324.32	\$0.00	0.00%	\$20,441.77	\$20,848.57	\$406.80	1.99%
60,000	\$6,078.45	\$6,575.65	\$497.20	8.18%	\$18,389.18	\$18,389.18	\$0.00	0.00%	\$24,467.63	\$24,964.83	\$497.20	2.03%
70,000	\$7,039.45	\$7,627.05	\$587.60	8.35%	\$21,454.05	\$21,454.05	\$0.00	0.00%	\$28,493.50	\$29,081.10	\$587.60	2.06%
FY19					FY20						Difference	Change
First 5,000 or Less				\$781.27				\$781.27			\$0.00	0.00%
Over 5,000 Therms per Th				\$0.093760				\$0.102800			\$0.01	9.64%
Delivery Service Adjustme												
Research & Developme				\$0.000000				\$0.000000			\$0.00	0.00%
Net Revenue Sharing S				-\$0.000570				-\$0.000570			\$0.00	0.00%
Revenue Decoupling M				\$0.000000				\$0.000000			\$0.00	0.00%
Incremental State Assessm	nent Surcharg	e		\$0.000000				\$0.000000			\$0.00	0.00%
System Benefits Charge				\$0.002910				\$0.002910			\$0.00	0.00%
Merchant Function Charge	e			\$0.008956				\$0.008956			\$0.00	0.00%
Monthly Cost of Gas				\$0.297530				\$0.297530			\$0.00	0.00%
Gross Receipts Tax											0.055	
Delivery				0.000000%				0.000000%			0.00%	
Supply				0.000000%				0.000000%			0.00%	0.00%

			Power Corporation d/b/ ly Bill Comparison Ta				
			Firm Gas Transportati				
		,	FY 19) vs. Rate Year	,			
	Therm Usage	Based	on Oct 27, 2017 NYM Deliver				
	Therm Osage	FY19	FY20	Difference	Change		
	100	\$555.06	\$587.52	\$32.46	5.85%		
	500			\$32.46 \$33.94	5.80%		
	1,000	\$584.84 \$622.07	\$618.79 \$657.87	\$35.80	5.80% 5.75%		
	5,000	\$919.87	\$970.51	\$50.64	5.51%		
	10,000	\$1,292.12	\$1,361.30	\$69.19	5.35%		
	15,000	\$1,664.36	\$1,752.10	\$87.74	5.27%		
	20,000	\$2,036.61	\$2,142.90	\$106.29	5.22%		
	25,000	\$2,408.86	\$2,533.70	\$124.84	5.18%		
	30,000	\$2,781.11	\$2,924.50	\$143.39	5.16%		
Average	42,274	\$3,694.90	\$3,883.83	\$188.93	5.11%		
	44,000	\$3,823.40	\$4,018.73	\$195.33	5.11%		
	45,000	\$3,897.85	\$4,096.89	\$199.04	5.11%		
	50,000	\$4,270.10	\$4,487.69	\$217.59	5.10%		
	55,000	\$4,642.35	\$4,878.49	\$236.14	5.09%		
	60,000	\$5,014.60	\$5,269.29	\$254.69	5.08%		
	65,000	\$5,386.85	\$5,660.09	\$273.24	5.07%		
	70,000	\$5,759.10	\$6,050.89	\$291.79	5.07%		
	75,000 80,000	\$6,131.34 \$6,503.59	\$6,441.68 \$6,832.48	\$310.34 \$328.89	5.06% 5.06%		
	85,000	\$6,875.84	\$7,223.28	\$347.44	5.05%		
	90,000	\$7,248.09	\$7,614.08	\$365.99	5.05%		
	95,000	\$7,620.34	\$8,004.88	\$384.54	5.05%		
FY19		FY2	0			Difference	Change
First 100 or Less	\$554.83				\$587.29	\$32.46	5.85%
Over 100 Therms per Therm	\$0.072110				\$0.075820	\$0.00	5.14%
Delivery Service Adjustment	#0.0005 <b>7</b> 0				#0.000 <i>55</i> 0	<b>#0.00</b>	0.000
Net Revenue Sharing	-\$0.000570				-\$0.000570	\$0.00	0.00%
Research & Development Surcharge Revenue Decoupling Mechanism	\$0.000000 \$0.000000				\$0.000000 \$0.000000	\$0.00 \$0.00	0.00%
Incremental State Assessment Surcharge	\$0.00000				\$0.000000	\$0.00 \$0.00	0.00%
System Benefits Charge	\$0.00000				\$0.00000	\$0.00	0.00%
Gross Receipts Tax	\$0.002910				φυ.υυ2910	<b>90.00</b>	0.0070
Delivery	0.000000%				0.000000%	0.00%	0.00%

0.00%

0.98%

2.07%

### Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 7 Small Volume Firm Gas Transportation Rate Year One (FY 19) vs. Rate Year Two (FY 20) Based on Oct 27, 2017 NYMEX Delivery FY19 FY20 Difference Change \$0.00 2,100 \$367.80 \$367.80 2,500 \$419.63 \$423.76 \$4.12

\$507.69

\$10.31

Therm Usage

3,100

3,100	ΨΤ/1.50	Ψ301.07	Ψ10.51	2.0770		
3,500	\$549.21	\$563.65	\$14.43	2.63%		
4,100	\$626.96	\$647.58	\$20.62	3.29%		
4,500	\$678.79	\$703.54	\$24.74	3.65%		
5,100	\$756.54	\$787.47	\$30.93	4.09%		
5,500	\$808.37	\$843.43	\$35.05	4.34%		
6,100	\$886.12	\$927.36	\$41.24	4.65%		
7,610	\$1,081.78	\$1,138.59	\$56.81	5.25%		
7,700	\$1,093.45	\$1,151.18	\$57.74	5.28%		
8,000	\$1,132.32	\$1,193.15	\$60.83	5.37%		
8,100	\$1,145.28	\$1,207.14	\$61.86	5.40%		
8,500	\$1,197.11	\$1,263.09	\$65.98	5.51%		
9,100	\$1,274.86	\$1,347.03	\$72.17	5.66%		
9,500	\$1,326.69	\$1,402.98	\$76.29	5.75%		
10,000	\$1,391.48	\$1,472.93	\$81.45	5.85%		
20,000	\$2,687.28	\$2,871.83	\$184.55	6.87%		
30,000	\$3,983.07	\$4,270.72	\$287.65	7.22%		
40,000	\$5,278.87	\$5,669.62	\$390.75	7.40%		
50,000	\$6,574.67	\$7,068.52	\$493.85	7.51%		
60,000	\$7,870.46	\$8,467.41	\$596.95	7.58%		
	EV20				Difference	Change
\$361.27	1120			\$361.27		0.00%
						8.15%
ψ0.120170				ψ0.150700	ψ0.01	0.1570
\$0,000000				\$0,000000	\$0.00	0.00%
						0.00%
				*		0.00%
*				*	*	0.00%
ψ0.002710				ψ0.002710	ψ0.00	0.0070
0.000000%				0.0000000/	0.000/	0.00%
	4,100 4,500 5,100 5,500 6,100 7,610 7,700 8,000 8,100 8,500 9,100 9,500 10,000 20,000 30,000 40,000 50,000 60,000 \$361.27 \$0.126470 \$0.000000 \$0.000200 \$0.0002910	3,500 \$549.21 4,100 \$626.96 4,500 \$678.79 5,100 \$756.54 5,500 \$808.37 6,100 \$1,081.78  7,700 \$1,093.45 8,000 \$1,132.32 8,100 \$1,145.28 8,500 \$1,197.11 9,100 \$1,274.86 9,500 \$1,326.69 10,000 \$1,391.48 20,000 \$2,687.28 30,000 \$3,983.07 40,000 \$5,278.87 50,000 \$6,574.67 60,000 \$7,870.46  FY20  \$361.27 \$0.126470  \$0.000000 \$0.000200 \$0.0002910	3,500 \$549.21 \$563.65 4,100 \$626.96 \$647.58 4,500 \$678.79 \$703.54 5,100 \$756.54 \$787.47 5,500 \$808.37 \$843.43 6,100 \$886.12 \$927.36 7,610 \$1,081.78 \$1,138.59 7,700 \$1,093.45 \$1,151.18 8,000 \$1,132.32 \$1,193.15 8,100 \$1,145.28 \$1,207.14 8,500 \$1,197.11 \$1,263.09 9,100 \$1,274.86 \$1,347.03 9,500 \$1,326.69 \$1,402.98 10,000 \$1,391.48 \$1,472.93 20,000 \$2,687.28 \$2,871.83 30,000 \$3,983.07 \$4,270.72 40,000 \$5,278.87 \$5,669.62 50,000 \$6,574.67 \$7,068.52 60,000 \$7,870.46 \$8,467.41	3,500 \$549.21 \$563.65 \$14.43 4,100 \$626.96 \$647.58 \$20.62 4,500 \$678.79 \$703.54 \$24.74 5,100 \$756.54 \$787.47 \$30.93 5,500 \$808.37 \$843.43 \$35.05 6,100 \$886.12 \$927.36 \$41.24  7,610 \$1,081.78 \$1,138.59 \$56.81  7,700 \$1,093.45 \$1,151.18 \$57.74 8,000 \$1,132.32 \$1,193.15 \$60.83 8,100 \$1,145.28 \$1,207.14 \$61.86 8,500 \$1,197.11 \$1,263.09 \$65.98 9,100 \$1,274.86 \$1,347.03 \$72.17 9,500 \$1,326.69 \$1,402.98 \$76.29 10,000 \$1,391.48 \$1,472.93 \$81.45 20,000 \$2,687.28 \$2,871.83 \$184.55 30,000 \$3,983.07 \$4,270.72 \$287.65 40,000 \$5,278.87 \$5,669.62 \$390.75 50,000 \$6,574.67 \$7,068.52 \$493.85 60,000 \$7,870.46 \$8,467.41 \$596.95	3,500 \$549.21 \$563.65 \$14.43 2.63% 4,100 \$626.96 \$647.58 \$20.62 3.29% 4,500 \$678.79 \$703.54 \$24.74 3.65% 5,100 \$756.54 \$787.47 \$30.93 4.09% 5,500 \$808.37 \$843.43 \$35.05 4.34% 6,100 \$886.12 \$927.36 \$41.24 4.65% 7,610 \$1,081.78 \$1,138.59 \$56.81 5.25% 7,700 \$1,093.45 \$1,151.18 \$57.74 5.28% 8,000 \$1,132.32 \$1,193.15 \$60.83 5.37% 8,100 \$1,145.28 \$1,207.14 \$61.86 5.40% 8,500 \$1,197.11 \$1,263.09 \$65.98 5.51% 9,100 \$1,274.86 \$1,347.03 \$72.17 5.66% 9,500 \$1,391.48 \$1,472.93 \$81.45 5.85% 20,000 \$2,687.28 \$2,871.83 \$184.55 6.87% 30,000 \$3,983.07 \$4,270.72 \$287.65 7.22% 40,000 \$5,278.87 \$5,669.62 \$390.75 7.40% 50,000 \$6,574.67 \$7,068.52 \$493.85 7.51% 60,000 \$7,870.46 \$8,467.41 \$596.95 7.58%	3,500         \$549.21         \$563.65         \$14.43         2.63%           4,100         \$626.96         \$647.58         \$20.62         3.29%           4,500         \$678.79         \$703.54         \$24.74         3.65%           5,100         \$756.54         \$787.47         \$30.93         4.09%           5,500         \$808.37         \$843.43         \$35.05         4.34%           6,100         \$886.12         \$927.36         \$41.24         4.65%           7,610         \$1,081.78         \$1,138.59         \$56.81         \$5.25%           7,700         \$1,093.45         \$1,151.18         \$57.74         \$5.28%           8,000         \$1,145.28         \$1,207.14         \$61.86         \$5.40%           8,500         \$1,197.11         \$1,263.09         \$65.98         \$5.51%           9,100         \$1,274.86         \$1,347.03         \$72.17         \$6.66%           9,500         \$1,326.69         \$1,402.98         \$76.29         \$7.75%           10,000         \$1,391.48         \$1,472.93         \$81.45         \$8.85%           20,000         \$2,687.28         \$2,871.83         \$184.55         6.87%           30,000         \$5,574.67 </td

\$497.38

## Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 8 Gas Transportation Service with Standby Sales Rate Year One (FY 19) vs. Rate Year Two (FY 20) Based on Oct 27, 2017 NYMEX

		Based on					
	Therm Usage		Delive	,			ļ
		FY19	FY20	Difference	Change		
	100	\$1,039.77	\$1,155.26	\$115.49	11.11%		
	500	\$1,069.85	\$1,186.96	\$117.11	10.95%		ļ
	1,000	\$1,107.44	\$1,226.57	\$119.13	10.76%		ļ
	5,000	\$1,408.20	\$1,543.49	\$135.29	9.61%		ļ
	10,000	\$1,784.15	\$1,939.64	\$155.49	8.71%		ļ
	50,000	\$4,791.74	\$5,108.82	\$317.09	6.62%		ļ
	100,000	\$8,551.22	\$9,070.31	\$519.09	6.07%		ļ
	200,000	\$15,641.19	\$16,543.28	\$902.09	5.77%		
Average	327,759	\$24,699.26	\$26,090.67	\$1,391.40	5.63%		
	330,000	\$24,858.15	\$26,258.14	\$1,399.99	5.63%		
	345,000	\$25,921.64	\$27,379.08	\$1,457.44	5.62%		ļ
	350,000	\$26,276.14	\$27,752.73	\$1,476.59	5.62%		
	400,000	\$29,821.13	\$31,489.21	\$1,668.09	5.59%		
	450,000	\$33,366.11	\$35,225.70	\$1,859.59	5.57%		
	500,000	\$36,911.09	\$38,962.18	\$2,051.09	5.56%		
	550,000	\$39,985.58	\$42,202.66	\$2,217.09	5.54%		
	600,000	\$43,060.06	\$45,443.15	\$2,383.09	5.53%		ļ
	650,000	\$46,134.55	\$48,683.63	\$2,549.09	5.53%		
	700,000	\$49,209.03	\$51,924.12	\$2,715.09	5.52%		
	750,000	\$52,283.51	\$55,164.60	\$2,881.09	5.51%		
	800,000	\$55,358.00	\$58,405.08	\$3,047.09	5.50%		ļ
	850,000	\$58,432.48	\$61,645.57	\$3,213.09	5.50%		
FY19		FY20				Difference	Change
First 100 or Less	\$1,039.54				\$1,155.03	\$115.49	11.11%
Next 99,900 Therms per Therm	\$0.072850				\$0.076890	\$0.00	5.55%
Next 400,000 Therms per Therm	\$0.068560				\$0.072390	\$0.00	5.59%
Over 500,000 Therms per Therm	\$0.059150				\$0.062470	\$0.00	5.61%
Delivery Service Adjustment							
Research & Development Surcharge	\$0.000000				\$0.000000	\$0.00	0.00%
Net Revenue Sharing	-\$0.000570				-\$0.000570	\$0.00	0.00%
Incremental State Assessment Surcharge	\$0.000000				\$0.000000	\$0.00	0.00%
System Benefits Charge	\$0.002910				\$0.002910	\$0.00	0.00%
Gross Receipts Tax							
Delivery	0.000000%				0.000000%	0.00%	0.00%

# Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 12 Distributed Generation Service - Non-Residential (< 250,000 Therms for Summer) Rate Year One (FY 19) vs. Rate Year Two (FY 20) Based on Oct 27, 2017 NYMEX

						Based on	Oct 27, 2017	NYMEX					
			Deli				Comn	nodity			Tota		
		FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change
Therm U	sage												
	0	\$148.27	\$148.27	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0.00%	\$148.27	\$148.27	\$0.00	0.00%
	3	\$148.27	\$148.27	\$0.00	0.00%	\$0.87	\$0.87	\$0.00	0.00%	\$149.14	\$149.14	\$0.00	0.00%
	100	\$152.57	\$152.57	\$0.00	0.00%	\$29.13	\$29.13	\$0.00	0.00%	\$181.70	\$181.70	\$0.00	0.00%
	300	\$161.43	\$161.44	\$0.01	0.01%	\$87.39	\$87.39	\$0.00	0.00%	\$248.83	\$248.84	\$0.01	0.00%
	500	\$170.30	\$170.32	\$0.01	0.01%	\$145.65	\$145.65	\$0.00	0.00%	\$315.95	\$315.97	\$0.01	0.00%
	700	\$179.17	\$179.19	\$0.02	0.01%	\$203.91	\$203.91	\$0.00	0.00%	\$383.08	\$383.10	\$0.02	0.01%
	900	\$188.03	\$188.06	\$0.03	0.01%	\$262.18	\$262.18	\$0.00	0.00%	\$450.21	\$450.24	\$0.03	0.01%
	1,000	\$192.47	\$192.50	\$0.03	0.02%	\$291.31	\$291.31	\$0.00	0.00%	\$483.77	\$483.80	\$0.03	0.01%
	1,500	\$214.63	\$214.68	\$0.04	0.02%	\$436.96	\$436.96	\$0.00	0.00%	\$651.59	\$651.63	\$0.04	0.01%
	2,638	\$265.08	\$265.16	\$0.08	0.03%	\$768.47	\$768.47	\$0.00	0.00%	\$1,033.54	\$1,033.62	\$0.08	0.01%
	5,000	\$369.79	\$369.94	\$0.15	0.04%	\$1,456.53	\$1,456.53	\$0.00	0.00%	\$1,826.32	\$1,826.47	\$0.15	0.01%
	9,000	\$547.11	\$547.38	\$0.27	0.05%	\$2,621.76	\$2,621.76	\$0.00	0.00%	\$3,168.86	\$3,169.13	\$0.27	0.01%
	0,000	\$591.44	\$591.74	\$0.30	0.05%	\$2,913.06	\$2,913.06	\$0.00	0.00%	\$3,504.50	\$3,504.80	\$0.30	0.01%
	1,000	\$635.77	\$636.10	\$0.33	0.05%	\$3,204.37	\$3,204.37	\$0.00	0.00%	\$3,840.14	\$3,840.47	\$0.33	0.01%
	2,000	\$680.10	\$680.46	\$0.36	0.05%	\$3,495.68	\$3,495.68	\$0.00	0.00%	\$4,175.77	\$4,176.13	\$0.36	0.01%
	3,000	\$724.43	\$724.82	\$0.39	0.05%	\$3,786.98	\$3,786.98	\$0.00	0.00%	\$4,511.41	\$4,511.80	\$0.39	0.01%
	1,000	\$768.76	\$769.18	\$0.42	0.05%	\$4,078.29	\$4,078.29	\$0.00	0.00%	\$4,847.05	\$4,847.47	\$0.42	0.01%
	5,000	\$813.09	\$813.54	\$0.45	0.06%	\$4,369.60	\$4,369.60	\$0.00	0.00%	\$5,182.68	\$5,183.13	\$0.45	0.01%
	5,000	\$857.42	\$857.90	\$0.48	0.06%	\$4,660.90	\$4,660.90	\$0.00	0.00%	\$5,518.32	\$5,518.80	\$0.48	0.01%
	7,000	\$901.75	\$902.26	\$0.51	0.06%	\$4,952.21	\$4,952.21	\$0.00	0.00%	\$5,853.96	\$5,854.47	\$0.51	0.01%
	3,000	\$946.08	\$946.62	\$0.54	0.06%	\$5,243.52	\$5,243.52	\$0.00	0.00%	\$6,189.59	\$6,190.13	\$0.54	0.01%
	9,000	\$990.41	\$990.98	\$0.57	0.06%	\$5,534.82	\$5,534.82	\$0.00	0.00%	\$6,525.23	\$6,525.80	\$0.57	0.01%
	0,000	\$1,034.74	\$1,035.34	\$0.60	0.06%	\$5,826.13	\$5,826.13	\$0.00	0.00%	\$6,860.86	\$6,861.46	\$0.60	0.01%
	1,000	\$1,079.07	\$1,079.70	\$0.63	0.06%	\$6,117.44	\$6,117.44	\$0.00	0.00%	\$7,196.50	\$7,197.13	\$0.63	0.01%
	2,000	\$1,123.40	\$1,124.06	\$0.66	0.06%	\$6,408.74	\$6,408.74	\$0.00	0.00%	\$7,532.14	\$7,532.80	\$0.66	0.01%
	3,000	\$1,167.73	\$1,168.42	\$0.69	0.06%	\$6,700.05	\$6,700.05	\$0.00	0.00%	\$7,867.77	\$7,868.46	\$0.69	0.01%
24	1,000	\$1,212.06	\$1,212.78	\$0.72	0.06%	\$6,991.36	\$6,991.36	\$0.00	0.00%	\$8,203.41	\$8,204.13	\$0.72	0.01%
FY19						FY20						Difference	Change
First 3 or 1	Less				\$148.27				\$148.27			\$0.00	0.00%
Over 3 Th	erms pe	r Therm			\$0.044900				\$0.044930			\$0.00	0.07%
Delivery S	Service A	Adjustment											
Net Re	venue Sl	haring			-\$0.000570				-\$0.000570			\$0.00	0.00%
Researc	ch & De	velopment Suro	charge		\$0.000000				\$0.000000			\$0.00	0.00%
		Assessment Sur	rcharge		\$0.000000				\$0.000000			\$0.00	0.00%
Merchant					\$0.008756				\$0.008756			\$0.00	0.00%
Monthly C					\$0.282550				\$0.282550			\$0.00	0.00%
Gross Rec		x											
Deliver					0.000000%				0.000000%			0.00%	0.00%
Supply					0.000000%				0.000000%			0.00%	0.00%

## Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 12 Distributed Generation Service - Non-Residential (< 250,000 Therms for Winter) Rate Year One (FY 19) vs. Rate Year Two (FY 20)

			Del	ivery			Comn	nodity			Total		
	Therm	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change
	Usage												
	0	\$148.27	\$148.27	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0.00%	\$148.27	\$148.27	\$0.00	0.00%
	3	\$148.27	\$148.27	\$0.00	0.00%	\$0.87	\$0.87	\$0.00	0.00%	\$149.14	\$149.14	\$0.00	0.00%
	100	\$153.73	\$153.73	\$0.00	0.00%	\$29.13	\$29.13	\$0.00	0.00%	\$182.86	\$182.86	\$0.00	0.00%
	300	\$164.99	\$165.00	\$0.01	0.01%	\$87.39	\$87.39	\$0.00	0.00%	\$252.38	\$252.40	\$0.01	0.00%
	500	\$176.25	\$176.27	\$0.02	0.01%	\$145.65	\$145.65	\$0.00	0.00%	\$321.91	\$321.93	\$0.02	0.01%
	700	\$187.52	\$187.54	\$0.03	0.01%	\$203.91	\$203.91	\$0.00	0.00%	\$391.43	\$391.46	\$0.03	0.01%
	900	\$198.78	\$198.81	\$0.04	0.02%	\$262.18	\$262.18	\$0.00	0.00%	\$460.95	\$460.99	\$0.04	0.01%
	1,000	\$204.41	\$204.45	\$0.04	0.02%	\$291.31	\$291.31	\$0.00	0.00%	\$495.72	\$495.76	\$0.04	0.01%
	1,500	\$232.56	\$232.62	\$0.06	0.03%	\$436.96	\$436.96	\$0.00	0.00%	\$669.52	\$669.58	\$0.06	0.01%
Average	2,638	\$296.65	\$296.75	\$0.11	0.04%	\$768.47	\$768.47	\$0.00	0.00%	\$1,065.11	\$1,065.22	\$0.11	0.01%
	5,000	\$429.65	\$429.85	\$0.20	0.05%	\$1,456.53	\$1,456.53	\$0.00	0.00%	\$1,886.18	\$1,886.38	\$0.20	0.01%
	9,000	\$654.89	\$655.25	\$0.36	0.05%	\$2,621.76	\$2,621.76	\$0.00	0.00%	\$3,276.65	\$3,277.01	\$0.36	0.01%
	10,000	\$711.20	\$711.60	\$0.40	0.06%	\$2,913.06	\$2,913.06	\$0.00	0.00%	\$3,624.26	\$3,624.66	\$0.40	0.01%
	11,000	\$767.51	\$767.95	\$0.44	0.06%	\$3,204.37	\$3,204.37	\$0.00	0.00%	\$3,971.88	\$3,972.32	\$0.44	0.01%
	12,000	\$823.82	\$824.30	\$0.48	0.06%	\$3,495.68	\$3,495.68	\$0.00	0.00%	\$4,319.50	\$4,319.98	\$0.48	0.01%
	13,000	\$880.13	\$880.65	\$0.52	0.06%	\$3,786.98	\$3,786.98	\$0.00	0.00%	\$4,667.11	\$4,667.63	\$0.52	0.01%
	14,000	\$936.44	\$937.00	\$0.56	0.06%	\$4,078.29	\$4,078.29	\$0.00	0.00%	\$5,014.73	\$5,015.29	\$0.56	0.01%
	15,000	\$992.75	\$993.35	\$0.60	0.06%	\$4,369.60	\$4,369.60	\$0.00	0.00%	\$5,362.35	\$5,362.95	\$0.60	0.01%
	16,000	\$1,049.06	\$1,049.70	\$0.64	0.06%	\$4,660.90	\$4,660.90	\$0.00	0.00%	\$5,709.96	\$5,710.60	\$0.64	0.01%
	17,000	\$1,105.37	\$1,106.05	\$0.68	0.06%	\$4,952.21	\$4,952.21	\$0.00	0.00%	\$6,057.58	\$6,058.26	\$0.68	0.01%
	18,000	\$1,161.68	\$1,162.40	\$0.72	0.06%	\$5,243.52	\$5,243.52	\$0.00	0.00%	\$6,405.20	\$6,405.92	\$0.72	0.01%
	19,000	\$1,217.99	\$1,218.75	\$0.76	0.06%	\$5,534.82	\$5,534.82	\$0.00	0.00%	\$6,752.81	\$6,753.57	\$0.76	0.01%
	20,000	\$1,274.30	\$1,275.10	\$0.80	0.06%	\$5,826.13	\$5,826.13	\$0.00	0.00%	\$7,100.43	\$7,101.23	\$0.80	0.01%
	21,000	\$1,330.61	\$1,331.45	\$0.84	0.06%	\$6,117.44	\$6,117.44	\$0.00	0.00%	\$7,448.05	\$7,448.89	\$0.84	0.01%
	22,000	\$1,386.92	\$1,387.80	\$0.88	0.06%	\$6,408.74	\$6,408.74	\$0.00	0.00%	\$7,795.66	\$7,796.54	\$0.88	0.01%
	23,000	\$1,443.23	\$1,444.15	\$0.92	0.06%	\$6,700.05	\$6,700.05	\$0.00	0.00%	\$8,143.28	\$8,144.20	\$0.92	0.01%
	24,000	\$1,499.54	\$1,500.50	\$0.96	0.06%	\$6,991.36	\$6,991.36	\$0.00	0.00%	\$8,490.89	\$8,491.85	\$0.96	0.01%
	FY19				1	FY20						Difference	Change
	First 3 or Less				\$148.27				\$148.27			\$0.00	0.00%
	Over 3 Therms	s per Therm			\$0.056880				\$0.056920			\$0.00	0.07%
	Delivery Service												
	Net Revenu	e Sharing			-\$0.000570				-\$0.000570			\$0.00	0.00%
	Research &	Development S	Surcharge		\$0.000000				\$0.000000			\$0.00	0.00%
	Incremental Sta	ate Assessment	Surcharge		\$0.000000				\$0.000000			\$0.00	0.00%
	Merchant Fund				\$0.008756				\$0.008756			\$0.00	0.00%
	Monthly Cost				\$0.282550				\$0.282550			\$0.00	0.00%
	Gross Receipts	s Tax											
	Delivery				0.000000%				0.000000%			0.00%	0.00%
	Supply				0.000000%				0.000000%			0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 12 Distributed Generation Service - Non-Residential (250,000 - 1,000,000 Therms for Summer)
Rate Year One (FY 19) vs. Rate Year Two (FY 20)

						Based on	Oct 27, 2017 N	YMEX					
			Deli				Commo				Total		
	Therm	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change
	Usage												
	0	\$466.54	\$466.54	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0.00%	\$466.54	\$466.54	\$0.00	0.00%
	3	\$466.53	\$466.53	\$0.00	0.00%	\$0.87	\$0.87	\$0.00	0.00%	\$467.41	\$467.41	\$0.00	0.00%
	100	\$470.36	\$470.36	\$0.00	0.00%	\$29.13	\$29.13	\$0.00	0.00%	\$499.49	\$499.49	\$0.00	0.00%
	500	\$486.14	\$486.15	\$0.01	0.00%	\$145.65	\$145.65	\$0.00	0.00%	\$631.79	\$631.80	\$0.01	0.00%
	1,000	\$505.86	\$505.89	\$0.03	0.01%	\$291.31	\$291.31	\$0.00	0.00%	\$797.16	\$797.19	\$0.03	0.00%
	2,000	\$545.30	\$545.36	\$0.06	0.01%	\$582.61	\$582.61	\$0.00	0.00%	\$1,127.91	\$1,127.97	\$0.06	0.01%
	3,000	\$584.74	\$584.83	\$0.09	0.02%	\$873.92	\$873.92	\$0.00	0.00%	\$1,458.66	\$1,458.75	\$0.09	0.01%
	4,000	\$624.18	\$624.30	\$0.12	0.02%	\$1,165.23	\$1,165.23	\$0.00	0.00%	\$1,789.40	\$1,789.52	\$0.12	0.01%
	5,000	\$663.62	\$663.77	\$0.15	0.02%	\$1,456.53	\$1,456.53	\$0.00	0.00%	\$2,120.15	\$2,120.30	\$0.15	0.01%
Average	6,528	\$723.88	\$724.08	\$0.20	0.03%	\$1,901.65	\$1,901.65	\$0.00	0.00%	\$2,625.53	\$2,625.73	\$0.20	0.01%
	7,000	\$742.50	\$742.71	\$0.21	0.03%	\$2,039.15	\$2,039.15	\$0.00	0.00%	\$2,781.64	\$2,781.85	\$0.21	0.01%
	8,000	\$781.94	\$782.18	\$0.24	0.03%	\$2,330.45	\$2,330.45	\$0.00	0.00%	\$3,112.39	\$3,112.63	\$0.24	0.01%
	9,000	\$821.38	\$821.65	\$0.27	0.03%	\$2,621.76	\$2,621.76	\$0.00	0.00%	\$3,443.13	\$3,443.40	\$0.27	0.01%
	9,200	\$829.26	\$829.54	\$0.28	0.03%	\$2,680.02	\$2,680.02	\$0.00	0.00%	\$3,509.28	\$3,509.56	\$0.28	0.01%
	9,500	\$841.10	\$841.38	\$0.28	0.03%	\$2,767.41	\$2,767.41	\$0.00	0.00%	\$3,608.51	\$3,608.79	\$0.28	0.01%
	10,000	\$860.82	\$861.12	\$0.30	0.03%	\$2,913.06	\$2,913.06	\$0.00	0.00%	\$3,773.88	\$3,774.18	\$0.30	0.01%
	15,000	\$1,058.02	\$1,058.47	\$0.45	0.04%	\$4,369.60	\$4,369.60	\$0.00	0.00%	\$5,427.61	\$5,428.06	\$0.45	0.01%
	20,000	\$1,255.22	\$1,255.82	\$0.60	0.05%	\$5,826.13	\$5,826.13	\$0.00	0.00%	\$7,081.35	\$7,081.95	\$0.60	0.01%
	25,000	\$1,452.42	\$1,453.17	\$0.75	0.05%	\$7,282.66	\$7,282.66	\$0.00	0.00%	\$8,735.08	\$8,735.83	\$0.75	0.01%
	30,000	\$1,649.62	\$1,650.52	\$0.90	0.05%	\$8,739.19	\$8,739.19	\$0.00	0.00%	\$10,388.81	\$10,389.71	\$0.90	0.01%
	35,000	\$1,846.82	\$1,847.87	\$1.05	0.06%	\$10,195.73	\$10,195.73	\$0.00	0.00%	\$12,042.54	\$12,043.59	\$1.05	0.01%
	40,000	\$2,044.02	\$2,045.22	\$1.20	0.06%	\$11,652.26	\$11,652.26	\$0.00	0.00%	\$13,696.28	\$13,697.48	\$1.20	0.01%
	45,000	\$2,241.22	\$2,242.57	\$1.35	0.06%	\$13,108.79	\$13,108.79	\$0.00	0.00%	\$15,350.01	\$15,351.36	\$1.35	0.01%
	50,000	\$2,438.42	\$2,439.92	\$1.50	0.06%	\$14,565.32	\$14,565.32	\$0.00	0.00%	\$17,003.74	\$17,005.24	\$1.50	0.01%
	55,000	\$2,635.62	\$2,637.27	\$1.65	0.06%	\$16,021.86	\$16,021.86	\$0.00	0.00%	\$18,657.47	\$18,659.12	\$1.65	0.01%
	60,000	\$2,832.82	\$2,834.62	\$1.80	0.06%	\$17,478.39	\$17,478.39	\$0.00	0.00%	\$20,311.21	\$20,313.01	\$1.80	0.01%
	65,000	\$3,030.02	\$3,031.97	\$1.95	0.06%	\$18,934.92	\$18,934.92	\$0.00	0.00%	\$21,964.94	\$21,966.89	\$1.95	0.01%
	70,000	\$3,227.22	\$3,229.32	\$2.10	0.07%	\$20,391.45	\$20,391.45	\$0.00	0.00%	\$23,618.67	\$23,620.77	\$2.10	0.01%
	75,000	\$3,424.42	\$3,426.67	\$2.25	0.07%	\$21,847.99	\$21,847.99	\$0.00	0.00%	\$25,272.40	\$25,274.65	\$2.25	0.01%
FY19					1	FY20						Difference	Change
First 3 or Les	S				\$466.54				\$466.54			\$0.00	0.00%
Over 3 Thern	ns per Therm				\$0.040010				\$0.040040			\$0.00	0.07%
Delivery Serv	ice Adjustme	ent											
Net Reven	ue Sharing				-\$0.000570				-\$0.000570			\$0.00	0.00%
Research a	& Developme	ent Surcharge			\$0.000000				\$0.000000			\$0.00	0.00%
Incremental S	State Assessm	nent Surcharge			\$0.000000				\$0.000000			\$0.00	0.00%
Merchant Fu	nction Charge	e			\$0.008756				\$0.008756			\$0.00	0.00%
Monthly Cost					\$0.282550				\$0.282550			\$0.00	0.00%
Gross Receip	ts Tax												
Delivery					0.000000%				0.000000%			0.00%	0.00%
Supply					0.000000%				0.000000%			0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 12 Distributed Generation Service - Non-Residential (250,000 - 1,000,000 Therms for Winter)
Rate Year One (FY 19) vs. Rate Year Two (FY 20)
Based on Oct 27, 2017 NYMEX

						Based on	Oct 27, 2017 N	YMEX					
	<u></u>		Deli	very			Commo	dity			Total		
	Therm	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change
	Usage												
	0	\$466.54	\$466.54	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0.00%	\$466.54	\$466.54	\$0.00	0.00%
	3	\$466.53	\$466.53	\$0.00	0.00%	\$0.87	\$0.87	\$0.00	0.00%	\$467.41	\$467.41	\$0.00	0.00%
	100	\$471.40	\$471.40	\$0.00	0.00%	\$29.13	\$29.13	\$0.00	0.00%	\$500.53	\$500.53	\$0.00	0.00%
	500	\$491.44	\$491.46	\$0.02	0.00%	\$145.65	\$145.65	\$0.00	0.00%	\$637.09	\$637.11	\$0.02	0.00%
	1,000	\$516.49	\$516.53	\$0.04	0.01%	\$291.31	\$291.31	\$0.00	0.00%	\$807.80	\$807.84	\$0.04	0.00%
	2,000	\$566.60	\$566.68	\$0.08	0.01%	\$582.61	\$582.61	\$0.00	0.00%	\$1,149.22	\$1,149.30	\$0.08	0.01%
	3,000	\$616.71	\$616.83	\$0.12	0.02%	\$873.92	\$873.92	\$0.00	0.00%	\$1,490.63	\$1,490.75	\$0.12	0.01%
	4,000	\$666.82	\$666.98	\$0.16	0.02%	\$1,165.23	\$1,165.23	\$0.00	0.00%	\$1,832.05	\$1,832.21	\$0.16	0.01%
	5,000	\$716.93	\$717.13	\$0.20	0.03%	\$1,456.53	\$1,456.53	\$0.00	0.00%	\$2,173.47	\$2,173.67	\$0.20	0.01%
Average	6,528	\$793.50	\$793.76	\$0.26	0.03%	\$1,901.65	\$1,901.65	\$0.00	0.00%	\$2,695.15	\$2,695.41	\$0.26	0.01%
	7,000	\$817.15	\$817.43	\$0.28	0.03%	\$2,039.15	\$2,039.15	\$0.00	0.00%	\$2,856.30	\$2,856.58	\$0.28	0.01%
	8,000	\$867.26	\$867.58	\$0.32	0.04%	\$2,330.45	\$2,330.45	\$0.00	0.00%	\$3,197.72	\$3,198.04	\$0.32	0.01%
	9,000	\$917.37	\$917.73	\$0.36	0.04%	\$2,621.76	\$2,621.76	\$0.00	0.00%	\$3,539.13	\$3,539.49	\$0.36	0.01%
	9,200	\$927.40	\$927.76	\$0.37	0.04%	\$2,680.02	\$2,680.02	\$0.00	0.00%	\$3,607.42	\$3,607.78	\$0.37	0.01%
	9,500	\$942.43	\$942.81	\$0.38	0.04%	\$2,767.41	\$2,767.41	\$0.00	0.00%	\$3,709.84	\$3,710.22	\$0.38	0.01%
	10,000	\$967.48	\$967.88	\$0.40	0.04%	\$2,913.06	\$2,913.06	\$0.00	0.00%	\$3,880.55	\$3,880.95	\$0.40	0.01%
	15,000	\$1,218.03	\$1,218.63	\$0.60	0.05%	\$4,369.60	\$4,369.60	\$0.00	0.00%	\$5,587.63	\$5,588.23	\$0.60	0.01%
	20,000	\$1,468.58	\$1,469.38	\$0.80	0.05%	\$5,826.13	\$5,826.13	\$0.00	0.00%	\$7,294.71	\$7,295.51	\$0.80	0.01%
	25,000	\$1,719.13	\$1,720.13	\$1.00	0.06%	\$7,282.66	\$7,282.66	\$0.00	0.00%	\$9,001.80	\$9,002.80	\$1.00	0.01%
	30,000	\$1,969.68	\$1,970.88	\$1.20	0.06%	\$8,739.19	\$8,739.19	\$0.00	0.00%	\$10,708.88	\$10,710.08	\$1.20	0.01%
	35,000	\$2,220.23	\$2,221.63	\$1.40	0.06%	\$10,195.73	\$10,195.73	\$0.00	0.00%	\$12,415.96	\$12,417.36	\$1.40	0.01%
	40,000	\$2,470.78	\$2,472.38	\$1.60	0.06%	\$11,652.26	\$11,652.26	\$0.00	0.00%	\$14,123.04	\$14,124.64	\$1.60	0.01%
	45,000	\$2,721.33	\$2,723.13	\$1.80	0.07%	\$13,108.79	\$13,108.79	\$0.00	0.00%	\$15,830.13	\$15,831.93	\$1.80	0.01%
	50,000	\$2,971.88	\$2,973.88	\$2.00	0.07%	\$14,565.32	\$14,565.32	\$0.00	0.00%	\$17,537.21	\$17,539.21	\$2.00	0.01%
	55,000	\$3,222.43	\$3,224.63	\$2.20	0.07%	\$16,021.86	\$16,021.86	\$0.00	0.00%	\$19,244.29	\$19,246.49	\$2.20	0.01%
	60,000	\$3,472.98	\$3,475.38	\$2.40	0.07%	\$17,478.39	\$17,478.39	\$0.00	0.00%	\$20,951.37	\$20,953.77	\$2.40	0.01%
	65,000	\$3,723.53	\$3,726.13	\$2.60	0.07%	\$18,934.92	\$18,934.92	\$0.00	0.00%	\$22,658.46	\$22,661.06	\$2.60	0.01%
	70,000	\$3,974.08	\$3,976.88	\$2.80	0.07%	\$20,391.45	\$20,391.45	\$0.00	0.00%	\$24,365.54	\$24,368.34	\$2.80	0.01%
	75,000	\$4,224.63	\$4,227.63	\$3.00	0.07%	\$21,847.99	\$21,847.99	\$0.00	0.00%	\$26,072.62	\$26,075.62	\$3.00	0.01%
FY19						FY20						Difference	Change
First 3 or Les	is				\$466.54				\$466.54			\$0.00	0.00%
Over 3 Thern	ns per Therm				\$0.050680				\$0.050720			\$0.00	0.08%
Delivery Serv	ice Adjustme	nt											
	ue Sharing				-\$0.000570				-\$0.000570			\$0.00	0.00%
	& Developme				\$0.000000				\$0.000000			\$0.00	0.00%
Incremental S					\$0.000000				\$0.000000			\$0.00	0.00%
Merchant Fu					\$0.008756				\$0.008756			\$0.00	0.00%
Monthly Cost					\$0.282550				\$0.282550			\$0.00	0.00%
Gross Receip	ts Tax												
Delivery					0.000000%				0.000000%			0.00%	0.00%
Supply					0.000000%				0.000000%			0.00%	0.00%

## Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 13 Distributed Generation - Residential Rate Year One (FY 19) vs. Rate Year Two (FY 20) Based on Oct 27, 2017 NYMEX

					Based on	Oct 27, 2017 N					_	
_			livery		-		modity				otal	
Therm Usage	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change
0	\$28.12	\$28.12	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0%	\$28.12	\$28.12	\$0.00	0.00%
3	\$28.12	\$28.12	\$0.00	0.00%	\$0.99	\$0.99	\$0.00	0%	\$29.11	\$29.11	\$0.00	0.00%
10	\$28.40	\$28.40	\$0.00	0.00%	\$3.29	\$3.29	\$0.00	0%	\$31.68	\$31.68	\$0.00	0.00%
15	\$28.59	\$28.59	\$0.00	0.00%	\$4.93	\$4.93	\$0.00	0%	\$33.53	\$33.53	\$0.00	0.00%
20	\$28.79	\$28.79	\$0.00	0.00%	\$6.58	\$6.58	\$0.00	0%	\$35.37	\$35.37	\$0.00	0.00%
25	\$28.99	\$28.99	\$0.00	0.00%	\$8.22	\$8.22	\$0.00	0%	\$37.21	\$37.21	\$0.00	0.00%
30	\$29.18	\$29.18	\$0.00	0.00%	\$9.86	\$9.86	\$0.00	0%	\$39.05	\$39.05	\$0.00	0.00%
40	\$29.58	\$29.58	\$0.00	0.00%	\$13.15	\$13.15	\$0.00	0%	\$42.73	\$42.73	\$0.00	0.00%
50	\$29.97	\$29.97	\$0.00	0.00%	\$16.44	\$16.44	\$0.00	0%	\$46.41	\$46.41	\$0.00	0.00%
60	\$30.36	\$30.36	\$0.00	0.00%	\$19.73	\$19.73	\$0.00	0%	\$50.09	\$50.09	\$0.00	0.00%
70	\$30.76	\$30.76	\$0.00	0.00%	\$23.02	\$23.02	\$0.00	0%	\$53.78	\$53.78	\$0.00	0.00%
80	\$31.15	\$31.15	\$0.00	0.00%	\$26.31	\$26.31	\$0.00	0%	\$57.46	\$57.46	\$0.00	0.00%
90	\$31.54	\$31.54	\$0.00	0.00%	\$29.59	\$29.59	\$0.00	0%	\$61.14	\$61.14	\$0.00	0.00%
95	\$31.74	\$31.74	\$0.00	0.00%	\$31.24	\$31.24	\$0.00	0%	\$62.98	\$62.98	\$0.00	0.00%
Average 101	\$31.98	\$31.98	\$0.00	0.00%	\$33.21	\$33.21	\$0.00	0%	\$65.19	\$65.19	\$0.00	0.00%
160	\$34.30	\$34.30	\$0.00	0.00%	\$52.61	\$52.61	\$0.00	0%	\$86.91	\$86.91	\$0.00	0.00%
180	\$35.09	\$35.09	\$0.00	0.00%	\$59.19	\$59.19	\$0.00	0%	\$94.27	\$94.27	\$0.00	0.00%
200	\$35.87	\$35.87	\$0.00	0.00%	\$65.76	\$65.76	\$0.00	0%	\$101.64	\$101.64	\$0.00	0.00%
220	\$36.66	\$36.66	\$0.00	0.00%	\$72.34	\$72.34	\$0.00	0%	\$109.00	\$109.00	\$0.00	0.00%
250	\$37.84	\$37.84	\$0.00	0.00%	\$82.21	\$82.21	\$0.00	0%	\$120.05	\$120.05	\$0.00	0.00%
300	\$39.81	\$39.81	\$0.00	0.00%	\$98.65	\$98.65	\$0.00	0%	\$138.46	\$138.46	\$0.00	0.00%
400	\$43.75	\$43.75	\$0.00	0.00%	\$131.53	\$131.53	\$0.00	0%	\$175.27	\$175.27	\$0.00	0.00%
FY19					FY20						Difference	Change
First 3 or Less				\$27.56	1120			\$27.56			\$0.00	0.00%
Over 3 Therms per Therm				\$0.039140				\$0.039140			\$0.00	0.00%
over 5 Therms per Therm				ψ0.037110				ψ0.037110			Ψ0.00	0.0070
Delivery Service Adjustmen	nt											
Research & Developme		e		\$0.000000				\$0.000000			\$0.00	0.00%
Net Revenue Sharing Su				-\$0.000570				-\$0.000570			\$0.00	0.00%
Revenue Decoupling M				\$0.000000				\$0.000000			\$0.00	0.00%
Incremental State Assessme		ge		\$0.000000				\$0.000000			\$0.00	0.00%
Merchant Function Charge	•	-		\$0.009262				\$0.009262			\$0.00	0.00%
Monthly Cost of Gas				\$0.319560				\$0.319560			\$0.00	0.00%
Gross Receipts Tax												
Delivery				2.040820%				2.040820%			0.00%	0.00%
Supply				0.000000%				0.000000%			0.00%	0.00%

## Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 1 Residential Non-Heat and Heat Rate Year Two (FY 20) vs. Rate Year Three (FY 21) Based on Oct 27, 2017 NYMEX

		D	elivery		Commodity				Total			
Therm Usage	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change
0	\$20.77	\$20.77	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0%	\$20.77	\$20.77	\$0.00	0.00%
3	\$20.78	\$20.78	\$0.00	0.00%	\$1.00	\$1.00	\$0.00	0%	\$21.78	\$21.78	\$0.00	0.00%
10	\$24.31	\$24.74	\$0.43	1.78%	\$3.33	\$3.33	\$0.00	0%	\$27.64	\$28.07	\$0.43	1.57%
15	\$26.83	\$27.57	\$0.74	2.77%	\$4.99	\$4.99	\$0.00	0%	\$31.82	\$32.56	\$0.74	2.33%
20	\$29.35	\$30.40	\$1.05	3.58%	\$6.65	\$6.65	\$0.00	0%	\$36.00	\$37.05	\$1.05	2.92%
25	\$31.86	\$33.22	\$1.36	4.27%	\$8.32	\$8.32	\$0.00	0%	\$40.18	\$41.54	\$1.36	3.39%
30	\$34.38	\$36.05	\$1.67	4.86%	\$9.98	\$9.98	\$0.00	0%	\$44.36	\$46.03	\$1.67	3.76%
40	\$39.42	\$41.70	\$2.29	5.80%	\$13.31	\$13.31	\$0.00	0%	\$52.72	\$55.01	\$2.29	4.34%
50	\$44.45	\$47.36	\$2.91	6.54%	\$16.63	\$16.63	\$0.00	0%	\$61.09	\$63.99	\$2.91	4.76%
60	\$45.34	\$48.35	\$3.01	6.64%	\$19.96	\$19.96	\$0.00	0%	\$65.30	\$68.31	\$3.01	4.61%
70	\$46.23	\$49.34	\$3.11	6.73%	\$23.29	\$23.29	\$0.00	0%	\$69.51	\$72.63	\$3.11	4.48%
Average 77	\$46.85	\$50.03	\$3.18	6.80%	\$25.61	\$25.61	\$0.00	0%	\$72.46	\$75.65	\$3.18	4.39%
83	\$47.38	\$50.63	\$3.25	6.85%	\$27.61	\$27.61	\$0.00	0%	\$74.99	\$78.24	\$3.25	4.33%
120	\$50.66	\$54.29	\$3.63	7.16%	\$39.92	\$39.92	\$0.00	0%	\$90.58	\$94.21	\$3.63	4.00%
140	\$52.44	\$56.27	\$3.83	7.31%	\$46.57	\$46.57	\$0.00	0%	\$99.01	\$102.84	\$3.83	3.87%
160	\$54.21	\$58.25	\$4.04	7.45%	\$53.22	\$53.22	\$0.00	0%	\$107.44	\$111.48	\$4.04	3.76%
180	\$55.99	\$60.23	\$4.24	7.58%	\$59.88	\$59.88	\$0.00	0%	\$115.87	\$120.11	\$4.24	3.66%
200	\$57.76	\$62.21	\$4.45	7.70%	\$66.53	\$66.53	\$0.00	0%	\$124.29	\$128.74	\$4.45	3.58%
220	\$59.54	\$64.19	\$4.65	7.82%	\$73.18	\$73.18	\$0.00	0%	\$132.72	\$137.38	\$4.65	3.51%
250	\$62.20	\$67.16	\$4.96	7.98%	\$83.16	\$83.16	\$0.00	0%	\$145.36	\$150.33	\$4.96	3.41%
300	\$66.64	\$72.11	\$5.48	8.22%	\$99.80	\$99.80	\$0.00	0%	\$166.43	\$171.91	\$5.48	3.29%
400	\$75.51	\$82.01	\$6.50	8.61%	\$133.06	\$133.06	\$0.00	0%	\$208.57	\$215.08	\$6.50	3.12%
FY20					FY21						Difference	Change
First 3 or Less				\$20.35				\$20.35			\$0.00	0.00%
Next 47 Therms per				\$0.48728				\$0.54788			\$0.06	12.44%
Over 50 Therms per				\$0.08074				\$0.09081			\$0.01	12.47%
Delivery Service Ad												
Research & Deve				\$0.000000				\$0.000000			\$0.00	0.00%
Net Revenue Sha				-\$0.000570				-\$0.000570			\$0.00	0.00%
Revenue Decoup				\$0.002170				\$0.002170			\$0.00	0.00%
Incremental State As		urcharge		\$0.000000				\$0.000000			\$0.00	0.00%
System Benefits Cha	•			\$0.004626				\$0.004626			\$0.00	0.00%
Merchant Function (				\$0.020025				\$0.020025			\$0.000	0.00%
Monthly Cost of Gas	3			\$0.312630				\$0.312630			\$0.00	0.00%
Gross Receipts Tax				2.0409209/				2.0409200/			0.000/	0.000/
Delivery				2.040820%				2.040820%			0.00%	0.00%
Supply				0.000000%				0.000000%			0.00%	0.00%

## Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 1 Residential Non-Heat and Heat (Tier 1) Rate Year Two (FY 20) vs. Rate Year Three (FY 21)

Based on Oct 27, 2017 NYMEX

					Based on	Oct 27, 2017			T-4-1			
			Delivery				nodity				otal	
Therm Usage	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change
0	\$17.70	\$17.70	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0%	\$17.70	\$17.70	\$0.00	0.00%
3	\$17.72	\$17.72	\$0.00	0.00%	\$1.00	\$1.00	\$0.00	0%	\$18.72	\$18.72	\$0.00	0.00%
10	\$21.25	\$21.68	\$0.43	2.04%	\$3.33	\$3.33	\$0.00	0%	\$24.57	\$25.01	\$0.43	1.76%
15	\$23.77	\$24.51	\$0.74	3.12%	\$4.99	\$4.99	\$0.00	0%	\$28.76	\$29.50	\$0.74	2.58%
20	\$26.28	\$27.34	\$1.05	4.00%	\$6.65	\$6.65	\$0.00	0%	\$32.94	\$33.99	\$1.05	3.19%
25	\$28.80	\$30.16	\$1.36	4.72%	\$8.32	\$8.32	\$0.00	0%	\$37.12	\$38.48	\$1.36	3.67%
30	\$31.32	\$32.99	\$1.67	5.33%	\$9.98	\$9.98	\$0.00	0%	\$41.30	\$42.97	\$1.67	4.04%
40	\$36.36	\$38.64	\$2.29	6.29%	\$13.31	\$13.31	\$0.00	0%	\$49.66	\$51.95	\$2.29	4.61%
50	\$41.39	\$44.30	\$2.91	7.02%	\$16.63	\$16.63	\$0.00	0%	\$58.02	\$60.93	\$2.91	5.01%
60	\$42.28	\$45.29	\$3.01	7.12%	\$19.96	\$19.96	\$0.00	0%	\$62.24	\$65.25	\$3.01	4.83%
70	\$43.17	\$46.28	\$3.11	7.21%	\$23.29	\$23.29	\$0.00	0%	\$66.45	\$69.56	\$3.11	4.68%
Average 90	\$44.94	\$48.26	\$3.32	7.38%	\$29.94	\$29.94	\$0.00	0%	\$74.88	\$78.20	\$3.32	4.43%
100	\$45.83	\$49.25	\$3.42	7.46%	\$33.27	\$33.27	\$0.00	0%	\$79.09	\$82.51	\$3.42	4.32%
120	\$47.60	\$51.23	\$3.63	7.62%	\$39.92	\$39.92	\$0.00	0%	\$87.52	\$91.15	\$3.63	4.14%
140	\$49.38	\$53.21	\$3.83	7.76%	\$46.57	\$46.57	\$0.00	0%	\$95.95	\$99.78	\$3.83	3.99%
160	\$51.15	\$55.19	\$4.04	7.89%	\$53.22	\$53.22	\$0.00	0%	\$104.38	\$108.41	\$4.04	3.87%
180	\$52.93	\$57.17	\$4.24	8.01%	\$59.88	\$59.88	\$0.00	0%	\$112.81	\$117.05	\$4.24	3.76%
200	\$54.70	\$59.15	\$4.45	8.13%	\$66.53	\$66.53	\$0.00	0%	\$121.23	\$125.68	\$4.45	3.67%
220	\$56.48	\$61.13	\$4.65	8.24%	\$73.18	\$73.18	\$0.00	0%	\$129.66	\$134.31	\$4.65	3.59%
250	\$59.14	\$64.10	\$4.96	8.39%	\$83.16	\$83.16	\$0.00	0%	\$142.30	\$147.26	\$4.96	3.49%
300	\$63.58	\$69.05	\$5.48	8.61%	\$99.80	\$99.80	\$0.00	0%	\$163.37	\$168.85	\$5.48	3.35%
400	\$72.45	\$78.95	\$6.50	8.98%	\$133.06	\$133.06	\$0.00	0%	\$205.51	\$212.02	\$6.50	3.16%
FY20					FY21						Difference	Change
First 3 or Less				\$17.35				\$17.35			\$0.00	0.00%
Next 47 Therms per T	herm			\$0.487280				\$0.54788			\$0.06	12.44%
Over 50 Therms per T	herm			\$0.080740				\$0.09081			\$0.01	12.47%
Delivery Service Adju												
Research & Develo				\$0.000000				\$0.000000			\$0.00	0.00%
Net Revenue Shari				-\$0.000570				-\$0.000570			\$0.00	0.00%
Revenue Decouplin				\$0.002170				\$0.002170			\$0.00	0.00%
Incremental State Ass	essment Si	urcharge		\$0.000000				\$0.000000			\$0.00	0.00%
System Benefits Char				\$0.004626				\$0.004626			\$0.00	0.00%
Merchant Function Cl	harge			\$0.020025				\$0.020025			\$0.00	0.00%
Monthly Cost of Gas				\$0.312630				\$0.312630			\$0.00	0.00%
Gross Receipts Tax												
Delivery				2.040820%				2.040820%			0.00%	0.00%
Supply				0.000000%				0.000000%			0.00%	0.00%

The SC-1 low income bill impacts are using the Energy Affordability Credit of a \$3 for a customer in the Tier 1 benefit level. In accordance with the Order in Case 14-M-0465 issued February 17, 2017, there are five Energy Affordability Credit tiers. The Heating customers Tiers: Tier 1: \$3.00, Tier 2: \$10.00, Tier 3: \$29.00, Tier 4: \$12.00, Tier 5: \$3.00
The Non-Heating customers Tiers: Tier 1-Tier 5: \$3.00

## Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 2 Small General - Residential Rate Year Two (FY 20) vs. Rate Year Three (FY 21) Based on Oct 27, 2017 NYMEX

					Based on	Oct 27, 2017				_		
_			very			Comn				Tota		
Therm Usage	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change
0	\$24.27	\$24.27	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0%	\$24.27	\$24.27	\$0.00	0.00%
3	\$24.30	\$24.30	\$0.00	0.00%	\$0.96	\$0.96	\$0.00	0%	\$25.26	\$25.26	\$0.00	0.00%
10	\$26.66	\$26.82	\$0.17	0.62%	\$3.19	\$3.19	\$0.00	0%	\$29.85	\$30.01	\$0.17	0.55%
15	\$28.34	\$28.62	\$0.28	1.00%	\$4.79	\$4.79	\$0.00	0%	\$33.12	\$33.40	\$0.28	0.86%
20	\$30.02	\$30.42	\$0.40	1.34%	\$6.38	\$6.38	\$0.00	0%	\$36.40	\$36.80	\$0.40	1.10%
25	\$31.70	\$32.21	\$0.52	1.64%	\$7.98	\$7.98	\$0.00	0%	\$39.67	\$40.19	\$0.52	1.31%
30	\$33.37	\$34.01	\$0.64	1.91%	\$9.57	\$9.57	\$0.00	0%	\$42.95	\$43.58	\$0.64	1.48%
40	\$36.73	\$37.61	\$0.87	2.38%	\$12.76	\$12.76	\$0.00	0%	\$49.49	\$50.37	\$0.87	1.76%
50	\$40.09	\$41.20	\$1.11	2.77%	\$15.95	\$15.95	\$0.00	0%	\$56.04	\$57.15	\$1.11	1.98%
55	\$41.77	\$43.00	\$1.23	2.94%	\$17.55	\$17.55	\$0.00	0%	\$59.32	\$60.55	\$1.23	2.07%
60	\$43.45	\$44.80	\$1.35	3.10%	\$19.14	\$19.14	\$0.00	0%	\$62.59	\$63.94	\$1.35	2.15%
65	\$45.13	\$46.60	\$1.46	3.24%	\$20.74	\$20.74	\$0.00	0%	\$65.87	\$67.33	\$1.46	2.22%
70	\$46.81	\$48.39	\$1.58	3.38%	\$22.33	\$22.33	\$0.00	0%	\$69.14	\$70.72	\$1.58	2.29%
75	\$48.49	\$50.19	\$1.70	3.51%	\$23.93	\$23.93	\$0.00	0%	\$72.42	\$74.12	\$1.70	2.35%
80	\$50.17	\$51.99	\$1.82	3.62%	\$25.52	\$25.52	\$0.00	0%	\$75.69	\$77.51	\$1.82	2.40%
85	\$51.85	\$53.79	\$1.94	3.73%	\$27.12	\$27.12	\$0.00	0%	\$78.97	\$80.90	\$1.94	2.45%
90	\$53.53	\$55.58	\$2.05	3.84%	\$28.71	\$28.71	\$0.00	0%	\$82.24	\$84.30	\$2.05	2.50%
95	\$55.21	\$57.38	\$2.17	3.93%	\$30.31	\$30.31	\$0.00	0%	\$85.52	\$87.69	\$2.17	2.54%
100	\$56.89	\$59.18	\$2.29	4.03%	\$31.90	\$31.90	\$0.00	0%	\$88.79	\$91.08	\$2.29	2.58%
Average 132	\$67.64	\$70.68	\$3.05	4.50%	\$42.11	\$42.11	\$0.00	0%	\$109.75	\$112.79	\$3.05	2.78%
200	\$90.48	\$95.13	\$4.65	5.14%	\$63.80	\$63.80	\$0.00	0%	\$154.28	\$158.94	\$4.65	3.01%
400	\$141.39	\$149.58	\$8.19	5.79%	\$127.61	\$127.61	\$0.00	0%	\$269.00	\$277.18	\$8.19	3.04%
500	\$161.42	\$170.98	\$9.56	5.92%	\$159.51	\$159.51	\$0.00	0%	\$320.93	\$330.49	\$9.56	2.98%
600	\$181.45	\$192.38	\$10.93	6.02%	\$191.41	\$191.41	\$0.00	0%	\$372.86	\$383.79	\$10.93	2.93%
1,000	\$261.57	\$277.98	\$16.41	6.27%	\$319.02	\$319.02	\$0.00	0%	\$580.59	\$597.00	\$16.41	2.83%
1,500	\$361.72	\$384.99	\$23.27	6.43%	\$478.53	\$478.53	\$0.00	0%	\$840.25	\$863.51	\$23.27	2.77%
2,000	\$461.87	\$491.99	\$30.12	6.52%	\$638.04	\$638.04	\$0.00	0%	\$1,099.91	\$1,130.03	\$30.12	2.74%
2,570	\$576.04	\$613.98	\$37.94	6.59%	\$819.88	\$819.88	\$0.00	0%	\$1,395.92	\$1,433.85	\$37.94	2.72%
3,000	\$662.17	\$706.00	\$43.83	6.62%	\$957.05	\$957.05	\$0.00	0%	\$1,619.22	\$1,663.05	\$43.83	2.71%
4,000	\$862.47	\$920.01	\$57.54	6.67%	\$1,276.07	\$1,276.07	\$0.00	0%	\$2,138.54	\$2,196.08	\$57.54	2.69%
4,500	\$962.62	\$1,027.02	\$64.40	6.69%	\$1,435.58	\$1,435.58	\$0.00	0%	\$2,398.20	\$2,462.59	\$64.40	2.69%
5,000	\$1,062.77	\$1,134.02	\$71.25	6.70%	\$1,595.09	\$1,595.09	\$0.00	0%	\$2,657.86	\$2,729.11	\$71.25	2.68%
5,500	\$1,098.84	\$1,172.28	\$73.44	6.68%	\$1,754.60	\$1,754.60	\$0.00	0%	\$2,853.44	\$2,926.88	\$73.44	2.57%
6,000	\$1,134.92	\$1,210.54	\$75.62	6.66%	\$1,914.11	\$1,914.11	\$0.00	0%	\$3,049.02	\$3,124.65	\$75.62	2.48%
7,000	\$1,207.07	\$1,287.06	\$79.99	6.63%	\$2,233.12	\$2,233.12	\$0.00	0%	\$3,440.19	\$3,520.18	\$79.99	2.33%
8,000	\$1,279.22	\$1,363.58	\$84.36	6.59%	\$2,552.14	\$2,552.14	\$0.00	0%	\$3,831.36	\$3,915.72	\$84.36	2.20%
9,000	\$1,351.37	\$1,440.10	\$88.73	6.57%	\$2,871.16	\$2,871.16	\$0.00	0%	\$4,222.53	\$4,311.26	\$88.73	2.10%
10,000	\$1,423.52	\$1,516.62	\$93.10	6.54%	\$3,190.18	\$3,190.18	\$0.00	0%	\$4,613.69	\$4,706.79	\$93.10	2.02%
FY20					FY21						Difference	Change
First 3 or Less				\$24.27				\$24.27			\$0.00	0.00%
Next 277 Therms per				\$0.324320				\$0.347930			\$0.02	7.28%
Next 4,720 Therms pe				\$0.188700				\$0.202410			\$0.01	7.27%
Over 5,000 Therms p				\$0.060550				\$0.064920			\$0.00	7.22%
Delivery Service Adju				********								0.000/
Research & Devel				\$0.000000				\$0.000000			\$0.00	0.00%
Net Revenue Shar				-\$0.000570				-\$0.000570			\$0.00	0.00%
Revenue Decoupli				\$0.009260				\$0.009260			\$0.00	0.00%
Incremental State Ass		narge		\$0.000000				\$0.000000			\$0.00	0.00%
System Benefits Char	_			\$0.002910				\$0.002910			\$0.00	0.00%
Merchant Function Cl	narge			\$0.008978				\$0.008978			\$0.00	0.00%
Monthly Cost of Gas				\$0.310040				\$0.310040			\$0.00	0.00%
Gross Receipts Tax				0.00000000				0.0000000			0.0007	0.0007
Delivery				0.000000%				0.000000%			0.00%	
Supply				0.000000%				0.000000%			0.00%	0.00%

## Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 2 Small General - Commercial Rate Year Two (FY 20) vs. Rate Year Three (FY 21) Based on Oct 27, 2017 NYMEX

					Based on	Oct 27, 2017						
TN 11	EMAG		ivery	CI	EN/20	Commo		CI	E1/20	Tot		CI
Therm Usage	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change
0	\$24.27	\$24.27	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0%	\$24.27	\$24.27	\$0.00	0.00%
3	\$24.19	\$24.19	\$0.00	0.00%	\$0.96	\$0.96	\$0.00	0%	\$25.15	\$25.15	\$0.00	0.00%
10	\$26.28	\$26.45	\$0.17	0.63%	\$3.19	\$3.19	\$0.00	0%	\$29.47	\$29.64	\$0.17	0.56%
15	\$27.78	\$28.06	\$0.28	1.02%	\$4.79	\$4.79	\$0.00	0%	\$32.56	\$32.85	\$0.28	0.87%
20	\$29.27	\$29.67	\$0.40	1.37%	\$6.38	\$6.38	\$0.00	0%	\$35.65	\$36.05	\$0.40	1.13%
25	\$30.77	\$31.29	\$0.52	1.69%	\$7.98	\$7.98	\$0.00	0%	\$38.74	\$39.26	\$0.52	1.34%
30	\$32.26	\$32.90	\$0.64	1.98%	\$9.57	\$9.57	\$0.00	0%	\$41.83	\$42.47	\$0.64	1.52%
40	\$35.25	\$36.12	\$0.87	2.48%	\$12.76	\$12.76	\$0.00	0%	\$48.01	\$48.88	\$0.87	1.82%
50	\$38.23	\$39.34	\$1.11	2.90%	\$15.95	\$15.95	\$0.00	0%	\$54.19	\$55.30	\$1.11	2.05%
60	\$41.22	\$42.57	\$1.35	3.26%	\$19.14	\$19.14	\$0.00	0%	\$60.36	\$61.71	\$1.35	2.23%
70	\$44.21	\$45.79	\$1.58	3.58%	\$22.33	\$22.33	\$0.00	0%	\$66.54	\$68.12	\$1.58	2.38%
80 100	\$47.20 \$53.17	\$49.01 \$55.46	\$1.82 \$2.29	3.85% 4.31%	\$25.52 \$31.90	\$25.52 \$31.90	\$0.00 \$0.00	0% 0%	\$72.72 \$85.07	\$74.54 \$87.36	\$1.82 \$2.29	2.50% 2.69%
120	\$59.15	\$61.91	\$2.29	4.67%	\$38.28	\$38.28	\$0.00	0%	\$97.43	\$100.19	\$2.76	2.84%
140	\$65.12	\$68.36	\$3.23	4.97%	\$44.66	\$44.66	\$0.00	0%	\$109.78	\$113.02	\$3.23	2.95%
160	\$71.10	\$74.80	\$3.71	5.21%	\$51.04	\$51.04	\$0.00	0%	\$102.76	\$125.85	\$3.71	3.03%
180	\$77.07	\$81.25	\$4.18	5.42%	\$57.42	\$57.42	\$0.00	0%	\$134.50	\$138.67	\$4.18	3.11%
200	\$83.05	\$87.70	\$4.65	5.60%	\$63.80	\$63.80	\$0.00	0%	\$146.85	\$151.50	\$4.65	3.17%
250	\$97.98	\$103.82	\$5.83	5.95%	\$79.75	\$79.75	\$0.00	0%	\$177.74	\$183.57	\$5.83	3.28%
300	\$110.21	\$117.02	\$6.81	6.18%	\$95.71	\$95.71	\$0.00	0%	\$205.91	\$212.73	\$6.81	3.31%
Average 389	\$124.73	\$132.76	\$8.03	6.44%	\$124.10	\$124.10	\$0.00	0%	\$248.83	\$256.86	\$8.03	3.23%
400	\$126.52	\$134.71	\$8.19	6.47%	\$127.61	\$127.61	\$0.00	0%	\$254.13	\$262.31	\$8.19	3.22%
500	\$142.84	\$152.39	\$9.56	6.69%	\$159.51	\$159.51	\$0.00	0%	\$302.34	\$311.90	\$9.56	3.16%
600	\$159.15	\$170.08	\$10.93	6.87%	\$191.41	\$191.41	\$0.00	0%	\$350.56	\$361.49	\$10.93	3.12%
1,000	\$224.40	\$240.81	\$16.41	7.31%	\$319.02	\$319.02	\$0.00	0%	\$543.42	\$559.83	\$16.41	3.02%
1,500	\$305.97	\$329.23	\$23.27	7.60%	\$478.53	\$478.53	\$0.00	0%	\$784.49	\$807.76	\$23.27	2.97%
2,000	\$387.53	\$417.65	\$30.12	7.77%	\$638.04	\$638.04	\$0.00	0%	\$1,025.57	\$1,055.69	\$30.12	2.94%
2,570	\$480.51	\$518.45	\$37.94	7.89%	\$819.88	\$819.88	\$0.00	0%	\$1,300.39	\$1,338.32	\$37.94	2.92%
3,000	\$550.66	\$594.49	\$43.83	7.96%	\$957.05	\$957.05	\$0.00	0%	\$1,507.71	\$1,551.54	\$43.83	2.91%
4,000	\$713.79	\$771.33	\$57.54	8.06%	\$1,276.07	\$1,276.07	\$0.00	0%	\$1,989.86	\$2,047.40	\$57.54	2.89% 2.89%
4,500 5,000	\$795.35 \$876.92	\$859.75 \$948.17	\$64.40 \$71.25	8.10% 8.13%	\$1,435.58 \$1,595.09	\$1,435.58 \$1,595.09	\$0.00 \$0.00	0% 0%	\$2,230.93 \$2,472.01	\$2,295.33 \$2,543.26	\$64.40 \$71.25	2.89%
5,500	\$894.41	\$967.85	\$73.44	8.21%	\$1,754.60	\$1,754.60	\$0.00	0%	\$2,472.01	\$2,722.44	\$73.44	2.77%
6,000	\$911.90	\$987.52	\$75.62	8.29%	\$1,914.11	\$1,734.00	\$0.00	0%	\$2,826.00	\$2,722.44	\$75.62	2.68%
7,000	\$946.88	\$1,026.87	\$79.99	8.45%	\$2,233.12	\$2,233.12	\$0.00	0%	\$3,180.00	\$3,259.99	\$79.99	2.52%
8,000	\$981.86	\$1,066.22	\$84.36	8.59%	\$2,552.14	\$2,552.14	\$0.00	0%	\$3,534.00	\$3,618.36	\$84.36	2.39%
9,000	\$1,016.84	\$1,105.57	\$88.73	8.73%	\$2,871.16	\$2,871.16	\$0.00	0%	\$3,888.00	\$3,976.73	\$88.73	2.28%
10,000	\$1,051.82	\$1,144.92	\$93.10	8.85%	\$3,190.18	\$3,190.18	\$0.00	0%	\$4,241.99	\$4,335.09	\$93.10	2.19%
FY20					FY21						Difference	Change
First 3 or Less				\$24.27	1 1 4 1			\$24.27			\$0.00	0.00%
Next 277 Therms per Tl	nerm			\$0.324320				\$0.347930			\$0.00	7.28%
Next 4,720 Therms per				\$0.188700				\$0.202410			\$0.02	7.27%
Over 5,000 Therms per				\$0.060550				\$0.064920			\$0.00	7.22%
Delivery Service Adjust											4	/ 0
Research & Develop	ment Surchar	ge		\$0.000000				\$0.000000			\$0.00	0.00%
Net Revenue Sharing	Surcharge			-\$0.000570				-\$0.000570			\$0.00	0.00%
Revenue Decoupling				-\$0.027910				-\$0.027910			\$0.00	0.00%
Incremental State Asses		rge		\$0.000000				\$0.000000			\$0.00	0.00%
System Benefits Charge				\$0.002910				\$0.002910			\$0.00	0.00%
Merchant Function Char	rge			\$0.008978				\$0.008978			\$0.00	0.00%
Monthly Cost of Gas				\$0.310040				\$0.310040			\$0.00	0.00%
Gross Receipts Tax												
Delivery				0.000000%				0.000000%			0.00%	
Supply				0.000000%				0.000000%			0.00%	0.00%

## Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 2 Small General - Industrial

					D.		all General - I		7.21)				
					R	ate Year Two (FY	,	,	( 21)				
			Deli	ivery		Based on	Oct 27, 2017 Commo				Tota	al	
The	erm Usage	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change
	0	\$24.27	\$24.27	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0%	\$24.27	\$24.27	\$0.00	0.00%
	3	\$24.27	\$24.27	\$0.00	0.00%	\$0.96	\$0.00	\$0.00	0%	\$25.22	\$25.22	\$0.00	0.00%
	10	\$24.20	\$26.67	\$0.17	0.62%	\$3.19	\$3.19	\$0.00	0%	\$29.69	\$29.86	\$0.00	0.56%
	15	\$28.10	\$28.39	\$0.28	1.01%	\$4.79	\$4.79	\$0.00	0%	\$32.89	\$33.17	\$0.28	0.86%
	20	\$29.70	\$30.11	\$0.40	1.35%	\$6.38	\$6.38	\$0.00	0%	\$36.08	\$36.49	\$0.40	1.11%
	25	\$31.31	\$31.83	\$0.52	1.66%	\$7.98	\$7.98	\$0.00	0%	\$39.28	\$39.80	\$0.52	1.32%
	30	\$32.91	\$33.55	\$0.64	1.94%	\$9.57	\$9.57	\$0.00	0%	\$42.48	\$43.12	\$0.64	1.50%
	40	\$36.11	\$36.98	\$0.87	2.42%	\$12.76	\$12.76	\$0.00	0%	\$48.87	\$49.75	\$0.87	1.79%
	50	\$39.32	\$40.42	\$1.11	2.82%	\$15.95	\$15.95	\$0.00	0%	\$55.27	\$56.38	\$1.11	2.01%
	60	\$42.52	\$43.86	\$1.35	3.17%	\$19.14	\$19.14	\$0.00	0%	\$61.66	\$63.01	\$1.35	2.18%
	70	\$45.72	\$47.30	\$1.58	3.46%	\$22.33	\$22.33	\$0.00	0%	\$68.05	\$69.64	\$1.58	2.32%
	80	\$48.93	\$50.74	\$1.82	3.72%	\$25.52	\$25.52	\$0.00	0%	\$74.45	\$76.27	\$1.82	2.44%
	100	\$55.33	\$57.62	\$2.29	4.14%	\$31.90	\$31.90	\$0.00	0%	\$87.23	\$89.52	\$2.29	2.63%
	120	\$61.74	\$64.50	\$2.76	4.47%	\$38.28	\$38.28	\$0.00	0%	\$100.02	\$102.78	\$2.76	2.76%
	140	\$68.15	\$71.38	\$3.23	4.75%	\$44.66	\$44.66	\$0.00	0%	\$112.81	\$116.04	\$3.23	2.87%
	160	\$74.55	\$78.26	\$3.71	4.97%	\$51.04	\$51.04	\$0.00	0%	\$125.60	\$129.30	\$3.71	2.95%
	180	\$80.96	\$85.14	\$4.18	5.16%	\$57.42	\$57.42	\$0.00	0%	\$138.38	\$142.56	\$4.18	3.02%
	200	\$87.37	\$92.02	\$4.65	5.32%	\$63.80	\$63.80	\$0.00	0%	\$151.17	\$155.82	\$4.65	3.08%
	250	\$103.39	\$109.22	\$5.83	5.64%	\$79.75	\$79.75	\$0.00	0%	\$183.14	\$188.97	\$5.83	3.18%
	300	\$116.69	\$123.51	\$6.81	5.84%	\$95.71	\$95.71	\$0.00	0%	\$212.40	\$219.21	\$6.81	3.21%
	350	\$125.93	\$133.43	\$7.50 \$8.19	5.96%	\$111.66	\$111.66	\$0.00	0%	\$237.59 \$262.77	\$245.09	\$7.50 \$8.19	3.16%
	400 500	\$135.17 \$153.64	\$143.35 \$163.20	\$8.19 \$9.56	6.06% 6.22%	\$127.61 \$159.51	\$127.61 \$159.51	\$0.00 \$0.00	0% 0%	\$202.77	\$270.96 \$322.71	\$9.56	3.11% 3.05%
	600	\$172.11	\$183.04	\$10.93	6.35%	\$191.41	\$191.41	\$0.00	0%	\$363.52	\$374.45	\$10.93	3.03%
Average	1,555	\$348.54	\$372.56	\$24.02	6.89%	\$496.07	\$496.07	\$0.00	0%	\$844.61	\$868.63	\$24.02	2.84%
	1,750	\$384.57	\$411.26	\$26.69	6.94%	\$558.28	\$558.28	\$0.00	0%	\$942.85	\$969.54	\$26.69	2.83%
	2,000	\$430.75	\$460.87	\$30.12	6.99%	\$638.04	\$638.04	\$0.00	0%	\$1,068.79	\$1,098.91	\$30.12	2.82%
	2,570	\$536.05	\$573.99	\$37.94	7.08%	\$819.88	\$819.88	\$0.00	0%	\$1,355.93	\$1,393.86	\$37.94	2.80%
	3,000	\$615.49	\$659.32	\$43.83	7.12%	\$957.05	\$957.05	\$0.00	0%	\$1,572.54	\$1,616.37	\$43.83	2.79%
	4,000	\$800.23	\$857.77	\$57.54	7.19%	\$1,276.07	\$1,276.07	\$0.00	0%	\$2,076.30	\$2,133.84	\$57.54	2.77%
	4,500	\$892.60	\$957.00	\$64.40	7.21%	\$1,435.58	\$1,435.58	\$0.00	0%	\$2,328.18	\$2,392.57	\$64.40	2.77%
	5,000	\$984.97	\$1,056.22	\$71.25	7.23%	\$1,595.09	\$1,595.09	\$0.00	0%	\$2,580.06	\$2,651.31	\$71.25	2.76%
	5,500	\$1,013.26	\$1,086.70	\$73.44	7.25%	\$1,754.60	\$1,754.60	\$0.00	0%	\$2,767.86	\$2,841.30	\$73.44	2.65%
	6,000	\$1,041.56	\$1,117.18	\$75.62	7.26%	\$1,914.11	\$1,914.11	\$0.00	0%	\$2,955.66	\$3,031.29	\$75.62	2.56%
	7,000	\$1,098.15	\$1,178.14	\$79.99	7.28%	\$2,233.12	\$2,233.12	\$0.00	0%	\$3,331.27	\$3,411.26	\$79.99	2.40%
	8,000	\$1,154.74	\$1,239.10	\$84.36	7.31%	\$2,552.14	\$2,552.14	\$0.00	0%	\$3,706.88	\$3,791.24	\$84.36	2.28%
	9,000	\$1,211.33	\$1,300.06	\$88.73	7.33%	\$2,871.16	\$2,871.16	\$0.00	0%	\$4,082.49	\$4,171.22	\$88.73	2.17%
	10,000	\$1,267.92	\$1,361.02	\$93.10	7.34%	\$3,190.18	\$3,190.18	\$0.00	0%	\$4,458.09	\$4,551.19	\$93.10	2.09%
FY20						FY21						Difference	Change
First 3 or	Less				\$24.27				\$24.27			\$0.00	0.00%
	Therms per	Therm			\$0.324320				\$0.347930			\$0.02	7.28%
	0 Therms pe				\$0.188700				\$0.202410			\$0.01	7.27%
	00 Therms pe				\$0.060550				\$0.064920			\$0.00	7.22%
	Service Adju												
		opment Surch			\$0.000000				\$0.000000			\$0.00	0.00%
		ng Surcharge			-\$0.000570				-\$0.000570			\$0.00	0.00%
		ng Mechanisi			-\$0.006300				-\$0.006300			\$0.00	0.00%
		essment Surc	harge		\$0.000000				\$0.000000			\$0.00	0.00%
-	enefits Charg	-			\$0.002910				\$0.002910			\$0.00	0.00%
	Function Ch	narge			\$0.008978				\$0.008978			\$0.00	0.00%
	Cost of Gas				\$0.310040				\$0.310040			\$0.00	0.00%
Gross Rec					0.0000000				0.0000000			0.0001	0.0001
Delive	-				0.000000%				0.000000%			0.00%	
Supply	/				0.000000%				0.000000%			0.00%	0.00%

## Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 3 Large General Gas Supply Rate Year Two (FY 20) vs. Rate Year Three (FY 21) Based on Oct 27, 2017 NYMEX

					Based on	1 Oct 27, 2017 I	NYMEX					
		Del	ivery			Comm	odity			Total		
Therm Usage	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change
5,000	\$792.97	\$792.97	\$0.00	0.00%	\$1,511.76	\$1,511.76	\$0.00	0.00%	\$2,304.73	\$2,304.73	\$0.00	0.00%
6,000	\$898.11	\$906.27	\$8.16	0.91%	\$1,814.12	\$1,814.12	\$0.00	0.00%	\$2,712.22	\$2,720.38	\$8.16	0.30%
7,000	\$1,003.25	\$1,019.57	\$16.32	1.63%	\$2,116.47	\$2,116.47	\$0.00	0.00%	\$3,119.72	\$3,136.04	\$16.32	0.52%
8,000	\$1,108.39	\$1,132.87	\$24.48	2.21%	\$2,418.82	\$2,418.82	\$0.00	0.00%	\$3,527.21	\$3,551.69	\$24.48	0.69%
9,000	\$1,213.53	\$1,246.17	\$32.64	2.69%	\$2,721.17	\$2,721.17	\$0.00	0.00%	\$3,934.70	\$3,967.34	\$32.64	0.83%
10,000	\$1,318.67	\$1,359.47	\$40.80	3.09%	\$3,023.53	\$3,023.53	\$0.00	0.00%	\$4,342.19	\$4,382.99	\$40.80	0.94%
11,000	\$1,423.81	\$1,472.77	\$48.96	3.44%	\$3,325.88	\$3,325.88	\$0.00	0.00%	\$4,749.69	\$4,798.65	\$48.96	1.03%
12,000	\$1,528.95	\$1,586.07	\$57.12	3.74%	\$3,628.23	\$3,628.23	\$0.00	0.00%	\$5,157.18	\$5,214.30	\$57.12	1.11%
13,000	\$1,634.09	\$1,699.37	\$65.28	3.99%	\$3,930.59	\$3,930.59	\$0.00	0.00%	\$5,564.67	\$5,629.95	\$65.28	1.17%
15,000	\$1,844.37	\$1,925.97	\$81.60	4.42%	\$4,535.29	\$4,535.29	\$0.00	0.00%	\$6,379.66	\$6,461.26	\$81.60	1.28%
Average 19,995	\$2,369.54	\$2,491.90	\$122.36	5.16%	\$6,045.54	\$6,045.54	\$0.00	0.00%	\$8,415.08	\$8,537.44	\$122.36	1.45%
20,000	\$2,370.06	\$2,492.46	\$122.40	5.16%	\$6,047.05	\$6,047.05	\$0.00	0.00%	\$8,417.12	\$8,539.52	\$122.40	1.45%
21,000	\$2,475.20	\$2,605.76	\$130.56	5.27%	\$6,349.41	\$6,349.41	\$0.00	0.00%	\$8,824.61	\$8,955.17	\$130.56	1.48%
24,000	\$2,790.62	\$2,945.66	\$155.04	5.56%	\$7,256.47	\$7,256.47	\$0.00	0.00%	\$10,047.09	\$10,202.13	\$155.04	1.54%
27,000	\$3,106.04	\$3,285.56	\$179.52	5.78%	\$8,163.52	\$8,163.52	\$0.00	0.00%	\$11,269.56	\$11,449.08	\$179.52	1.59%
30,000	\$3,421.46	\$3,625.46	\$204.00	5.96%	\$9,070.58	\$9,070.58	\$0.00	0.00%	\$12,492.04	\$12,696.04	\$204.00	1.63%
35,000	\$3,947.16	\$4,191.96	\$244.80	6.20%	\$10,582.35	\$10,582.35	\$0.00	0.00%	\$14,529.50	\$14,774.30	\$244.80	1.68%
40,000	\$4,472.86	\$4,758.46	\$285.60	6.39%	\$12,094.11	\$12,094.11	\$0.00	0.00%	\$16,566.97	\$16,852.57	\$285.60	1.72%
45,000	\$4,998.56	\$5,324.96	\$326.40	6.53%	\$13,605.87	\$13,605.87	\$0.00	0.00%	\$18,604.43	\$18,930.83	\$326.40	1.75%
50,000	\$5,524.25	\$5,891.45	\$367.20	6.65%	\$15,117.64	\$15,117.64	\$0.00	0.00%	\$20,641.89	\$21,009.09	\$367.20	1.78%
60,000		\$7,024.45	\$448.80	6.83%	\$18,141.16	\$18,141.16	\$0.00	0.00%	\$24,716.81	\$25,165.61	\$448.80	1.82%
70,000	\$7,627.05	\$8,157.45	\$530.40	6.95%	\$21,164.69	\$21,164.69	\$0.00	0.00%	\$28,791.74	\$29,322.14	\$530.40	1.84%
FY20					FY21						Difference	Change
First 5,000 or Less				\$781.27				\$781.27			\$0.00	0.00%
Over 5,000 Therms per				\$0.102800				\$0.110960			\$0.01	7.94%
Delivery Service Adjusti												
Research & Developr				\$0.000000				\$0.000000			\$0.00	0.00%
Net Revenue Sharing				-\$0.000570				-\$0.000570			\$0.00	0.00%
Revenue Decoupling				\$0.000000				\$0.000000			\$0.00	0.00%
Incremental State Assess	ment Surcharg	e		\$0.000000				\$0.000000			\$0.00	0.00%
System Benefits Charge				\$0.002910				\$0.002910			\$0.00	0.00%
Merchant Function Char	ge			\$0.008753				\$0.008753			\$0.00	0.00%
Monthly Cost of Gas				\$0.293600				\$0.293600			\$0.00	0.00%
Gross Receipts Tax												
Delivery				0.000000%				0.000000%			0.00%	
Supply				0.000000%				0.000000%			0.00%	0.00%

		Niagara Mohawk F	Power Corporation d/b/	a National Grid			
			ly Bill Comparison Ta				
			Firm Gas Transportation				
			FY 20) vs. Rate Year				
			on Oct 27, 2017 NYM				
	Therm Usage	Busea	Deliver				
		FY20	FY21	Difference	Change		
	100	\$587.52	\$619.97	\$32.45	5.52%		
	500	\$618.79	\$652.69	\$33.90	5.48%		
	1,000	\$657.87	\$693.58	\$35.72	5.43%		
	5,000	\$970.51	\$093.38 \$1,020.74	\$50.24	5.43%		
	10,000	\$1,361.30	\$1,020.74 \$1,429.69	\$68.39	5.02%		
				\$86.54	3.02% 4.94%		
	15,000	\$1,752.10	\$1,838.64	*			
	20,000	\$2,142.90	\$2,247.59	\$104.69 \$122.84	4.89%		
	25,000 30,000	\$2,533.70	\$2,656.54	\$122.84 \$140.99	4.85%		
		\$2,924.50	\$3,065.49		4.82%		
Average	42,274	\$3,883.83	\$4,069.37	\$185.54	4.78%		
	44,000	\$4,018.73	\$4,210.54	\$191.81	4.77%		
	45,000	\$4,096.89	\$4,292.33	\$195.44	4.77%		
	50,000	\$4,487.69	\$4,701.28	\$213.59	4.76%		
	55,000	\$4,878.49	\$5,110.23	\$231.74	4.75%		
	60,000	\$5,269.29	\$5,519.18	\$249.89	4.74%		
	65,000	\$5,660.09	\$5,928.12	\$268.04	4.74%		
	70,000	\$6,050.89	\$6,337.07	\$286.19	4.73%		
	75,000	\$6,441.68	\$6,746.02	\$304.34	4.72%		
	80,000	\$6,832.48	\$7,154.97	\$322.49	4.72%		
	85,000	\$7,223.28	\$7,563.92	\$340.64	4.72%		
	90,000	\$7,614.08	\$7,972.87	\$358.79	4.71%		
	95,000	\$8,004.88	\$8,381.81	\$376.94	4.71%		
FY20		FY2	1			Difference	Change
First 100 or Less	\$587.29				\$619.74	\$32.45	5.53%
Over 100 Therms per Therm	\$0.075820				\$0.079450	\$0.00	4.79%
Delivery Service Adjustment	#0.0005==				#0.000#F=	40.55	0.055
Net Revenue Sharing	-\$0.000570				-\$0.000570	\$0.00	0.00%
Research & Development Surcharge	\$0.000000				\$0.000000	\$0.00	0.00%
Revenue Decoupling Mechanism	\$0.000000				\$0.000000	\$0.00	0.00%
Incremental State Assessment Surcharge	\$0.000000				\$0.000000	\$0.00	0.00%
System Benefits Charge	\$0.002910				\$0.002910	\$0.00	0.00%
Gross Receipts Tax Delivery	0.000000%				0.000000%	0.00%	0.009/
Denvery	0.000000%				0.000000%	0.00%	0.00%

0.00%

1.03%

2.16%

2.72%

3.38%

3.74%

4.17%

4.41%

4.72%

5.30%

5.33%

5.41%

5.44%

0.000000%

0.00%

0.00%

### Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 7 Small Volume Firm Gas Transportation Rate Year Two (FY 20) vs. Rate Year Three (FY 21) Based on Oct 27, 2017 NYMEX Delivery Therm Usage FY20 FY21 Difference Change 2,100 \$367.80 \$367.80 \$0.00 2,500 \$423.76 \$428.14 \$4.38 \$507.69 \$10.95 3,100 \$518.64

\$563.65

\$647.58

\$703.54

\$787.47

\$843.43

\$927.36

\$1,138.59

\$1,151.18

\$1,193.15

\$1,207.14

\$578.98

\$669.48

\$729.82

\$820.32

\$880.66

\$971.16

\$1,198.93

\$1,212.50

\$1,257.75

\$1,272.84

\$15.33

\$21.90

\$26.28

\$32.85

\$37.23

\$43.80

\$60.33

\$61.32

\$64.61

\$65.70

3,500

4,100

4,500

5,100

5,500

6,100

7,610

7,700

8,000

8,100

0.000000%

Average

Delivery

8,500	\$1,263.09	\$1,333.17	\$70.08	5.55%		
9,100	\$1,347.03	\$1,423.68	\$76.65	5.69%		
9,500	\$1,402.98	\$1,484.01	\$81.03	5.78%		
10,000	\$1,472.93	\$1,559.43	\$86.51	5.87%		
20,000	\$2,871.83	\$3,067.83	\$196.01	6.83%		
30,000	\$4,270.72	\$4,576.23	\$305.51	7.15%		
40,000	\$5,669.62	\$6,084.62	\$415.00	7.32%		
50,000	\$7,068.52	\$7,593.02	\$524.51	7.42%		
60,000	\$8,467.41	\$9,101.42	\$634.01	7.49%		
Evan	EVOI				D.cc	CI
FY20	FY21			#2.61.2 <b>7</b>	Difference	Change
First 2,100 or Less \$361.27				\$361.27	\$0.00	0.00%
Over 2,100 Therms per Therm \$0.136780				\$0.147730	\$0.01	8.01%
Delivery Service Adjustment						
Research & Development Surcharge \$0.000000				\$0.000000	\$0.00	0.00%
Revenue Decoupling Mechanism \$0.000200				\$0.000200	\$0.00	0.00%
Revenue Decoupling Mechanism \$0.000200 Incremental State Assessment Surcharge \$0.000000				\$0.000200 \$0.000000	\$0.00 \$0.00	0.00% 0.00%
. •				*		

\$0.002910

0.000000%

\$0.00

0.00%

0.00%

0.00%

		Niagara Mohawk Po	wer Corporation of	d/b/a National Gri	d		
		•	Bill Comparison				
		SC 8 Gas Transpor					
		Rate Year Two (FY					
	TI II	Based on	Oct 27, 2017 N				
	Therm Usage	FY20	Delive: FY21	ry Difference	Change		
		Г 1 20	F I Z I	Difference	Change		
	100	\$1,155.26	\$1,270.76	\$115.50	10.00%		
	500	\$1,186.96	\$1,304.17	\$117.22	9.88%		
	1,000	\$1,226.57	\$1,345.93	\$119.36	9.73%		
	5,000	\$1,543.49	\$1,680.01	\$136.52	8.84%		
	10,000	\$1,939.64	\$2,097.61	\$157.97	8.14%		
	50,000	\$5,108.82	\$5,438.40	\$329.57	6.45%		
	100,000	\$9,070.31	\$9,614.38	\$544.07	6.00%		
	200,000	\$16,543.28	\$17,487.35	\$944.07	5.71%		
Average	327,759	\$26,090.67	\$27,545.77	\$1,455.11	5.58%		
	330,000	\$26,258.14	\$27,722.21	\$1,464.07	5.58%		
	345,000	\$27,379.08	\$28,903.15	\$1,524.07	5.57%		
	350,000	\$27,752.73	\$29,296.80	\$1,544.07	5.56% 5.54%		
	400,000 450,000	\$31,489.21 \$35,225.70	\$33,233.28 \$37,169.77	\$1,744.07 \$1,944.07	5.52%		
	500,000	\$33,223.70	\$41,106.25	\$2,144.07	5.50%		
	550,000	\$42,202.66	\$44,519.74	\$2,144.07	5.49%		
	600,000	\$45,443.15	\$47,933.22	\$2,490.07	5.48%		
	650,000	\$48,683.63	\$51,346.70	\$2,663.07	5.47%		
	700,000	\$51,924.12	\$54,760.19	\$2,836.07	5.46%		
	750,000	\$55,164.60	\$58,173.67	\$3,009.07	5.45%		
	800,000	\$58,405.08	\$61,587.16	\$3,182.07	5.45%		
	850,000	\$61,645.57	\$65,000.64	\$3,355.07	5.44%		
FY20		FY21				Difference	Change
First 100 or Less	\$1,155.03				\$1,270.53	\$115.50	10.00%
Next 99,900 Therms per Therm	\$0.076890				\$0.081180	\$0.00	5.58%
Next 400,000 Therms per Therm	\$0.072390				\$0.076390	\$0.00	5.53%
Over 500,000 Therms per Therm	\$0.062470				\$0.065930	\$0.00	5.54%
Delivery Service Adjustment	<b>#</b> 0.00000				<b>#</b> 0.00000	<b>#0.00</b>	0.000
Research & Development Surcharge	\$0.000000				\$0.000000	\$0.00	0.00%
Net Revenue Sharing	-\$0.000570				-\$0.000570	\$0.00	0.00%
Incremental State Assessment Surcharge	\$0.000000				\$0.000000	\$0.00	0.00%

\$0.002910

0.000000%

System Benefits Charge

Gross Receipts Tax Delivery

# Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 12 Distributed Generation Service - Non-Residential (< 250,000 Therms for Summer) Rate Year Two (FY 20) vs. Rate Year Three (FY 21) Based on Oct 27, 2017 NYMEX

						Based on	Oct 27, 2017						
				very			Comr				Tota		
		FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change
	Therm Usage												
	0	\$148.27	\$148.27	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0.00%	\$148.27	\$148.27	\$0.00	0.00%
	3	\$148.27	\$148.27	\$0.00	0.00%	\$0.86	\$0.86	\$0.00	0.00%	\$149.13	\$149.13	\$0.00	0.00%
	100	\$152.57	\$152.55	(\$0.02)	-0.02%	\$28.75	\$28.75	\$0.00	0.00%	\$181.32	\$181.29	(\$0.02)	-0.01%
	300	\$161.44	\$161.37	(\$0.07)	-0.05%	\$86.24	\$86.24	\$0.00	0.00%	\$247.68	\$247.61	(\$0.07)	-0.03%
	500	\$170.32	\$170.19	(\$0.12)	-0.07%	\$143.73	\$143.73	\$0.00	0.00%	\$314.04	\$313.92	(\$0.12)	-0.04%
	700	\$179.19	\$179.01	(\$0.17)	-0.10%	\$201.22	\$201.22	\$0.00	0.00%	\$380.41	\$380.23	(\$0.17)	-0.05%
	900	\$188.06	\$187.83	(\$0.22)	-0.12%	\$258.71	\$258.71	\$0.00	0.00%	\$446.77	\$446.55	(\$0.22)	-0.05%
	1,000	\$192.50	\$192.25	(\$0.25)	-0.13%	\$287.46	\$287.46	\$0.00	0.00%	\$479.95	\$479.70	(\$0.25)	-0.05%
	1,500	\$214.68	\$214.30	(\$0.37)	-0.17%	\$431.18	\$431.18	\$0.00	0.00%	\$645.86	\$645.49	(\$0.37)	-0.06%
Average	2,638	\$265.16	\$264.50	(\$0.66)	-0.25%	\$758.31	\$758.31	\$0.00	0.00%	\$1,023.47	\$1,022.81	(\$0.66)	-0.06%
	5,000	\$369.94	\$368.69	(\$1.25)	-0.34%	\$1,437.28	\$1,437.28	\$0.00	0.00%	\$1,807.22	\$1,805.97	(\$1.25)	-0.07%
	9,000	\$547.38	\$545.13	(\$2.25)	-0.41%	\$2,587.11	\$2,587.11	\$0.00	0.00%	\$3,134.48	\$3,132.23	(\$2.25)	-0.07%
	10,000	\$591.74	\$589.24	(\$2.50)	-0.42%	\$2,874.56	\$2,874.56	\$0.00	0.00%	\$3,466.30	\$3,463.80	(\$2.50)	-0.07%
	11,000	\$636.10	\$633.35	(\$2.75)	-0.43%	\$3,162.02	\$3,162.02	\$0.00	0.00%	\$3,798.12	\$3,795.37	(\$2.75)	-0.07%
	12,000	\$680.46	\$677.46	(\$3.00)	-0.44%	\$3,449.48	\$3,449.48	\$0.00	0.00%	\$4,129.93	\$4,126.93	(\$3.00)	-0.07%
	13,000	\$724.82	\$721.57	(\$3.25)	-0.45%	\$3,736.93	\$3,736.93	\$0.00	0.00%	\$4,461.75	\$4,458.50	(\$3.25)	-0.07%
	14,000	\$769.18	\$765.68	(\$3.50)	-0.45%	\$4,024.39	\$4,024.39	\$0.00	0.00%	\$4,793.56	\$4,790.07	(\$3.50)	-0.07%
	15,000	\$813.54	\$809.79	(\$3.75)	-0.46%	\$4,311.85	\$4,311.85	\$0.00	0.00%	\$5,125.38	\$5,121.63	(\$3.75)	-0.07%
	16,000	\$857.90	\$853.90	(\$4.00)	-0.47%	\$4,599.30	\$4,599.30	\$0.00	0.00%	\$5,457.20	\$5,453.20	(\$4.00)	-0.07%
	17,000	\$902.26	\$898.01	(\$4.25)	-0.47%	\$4,886.76	\$4,886.76	\$0.00	0.00%	\$5,789.01	\$5,784.76	(\$4.25)	-0.07%
	18,000	\$946.62	\$942.12	(\$4.50)	-0.48%	\$5,174.21	\$5,174.21	\$0.00	0.00%	\$6,120.83	\$6,116.33	(\$4.50)	-0.07%
	19,000	\$990.98	\$986.23	(\$4.75)	-0.48%	\$5,461.67	\$5,461.67	\$0.00	0.00%	\$6,452.65	\$6,447.90	(\$4.75)	-0.07%
	20,000	\$1,035.34	\$1,030.34	(\$5.00)	-0.48%	\$5,749.13	\$5,749.13	\$0.00	0.00%	\$6,784.46	\$6,779.46	(\$5.00)	-0.07%
	21,000	\$1,079.70	\$1,074.45	(\$5.25)	-0.49%	\$6,036.58	\$6,036.58	\$0.00	0.00%	\$7,116.28	\$7,111.03	(\$5.25)	-0.07%
	22,000	\$1,124.06	\$1,118.56	(\$5.50) (\$5.75)	-0.49% -0.49%	\$6,324.04 \$6,611.50	\$6,324.04	\$0.00 \$0.00	0.00% 0.00%	\$7,448.10	\$7,442.60 \$7,774.16	(\$5.50)	-0.07% -0.07%
	23,000 24,000	\$1,168.42 \$1,212.78	\$1,162.67 \$1,206.78		-0.49% -0.49%	\$6,898.95	\$6,611.50 \$6,898.95	\$0.00 \$0.00	0.00%	\$7,779.91 \$8,111.73	\$8,105.73	(\$5.75)	-0.07%
	24,000	\$1,212.78	\$1,200.78	(\$6.00)	-0.49%	\$0,898.93	\$0,898.93	\$0.00	0.00%	\$8,111./3	\$8,105.75	(\$6.00)	-0.07%
	FY20					FY21						Difference	Change
	First 3 or Less				\$148.27				\$148.27			\$0.00	0.00%
	Over 3 Therms pe				\$0.044930				\$0.044680			(\$0.00)	-0.56%
	Delivery Service												
	Net Revenue S				-\$0.000570				-\$0.000570			\$0.00	0.00%
		evelopment Sure			\$0.000000				\$0.000000			\$0.00	0.00%
	Incremental State		rcharge		\$0.000000				\$0.000000			\$0.00	0.00%
	Merchant Functio				\$0.008556				\$0.008556			\$0.00	0.00%
	Monthly Cost of C				\$0.278900				\$0.278900			\$0.00	0.00%
	Gross Receipts Ta	ıx											
	Delivery				0.000000%				0.000000%			0.00%	0.00%
1	Supply				0.000000%				0.000000%			0.00%	0.00%

## Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 12 Distributed Generation Service - Non-Residential (< 250,000 Therms for Winter) Rate Year Two (FY 20) vs. Rate Year Three (FY 21)

			Deli	ivery			Comn	nodity			Total		
	Therm	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change
	Usage												
	0	\$148.27	\$148.27	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0.00%	\$148.27	\$148.27	\$0.00	0.00%
	3	\$148.27	\$148.27	\$0.00	0.00%	\$0.86	\$0.86	\$0.00	0.00%	\$149.13	\$149.13	\$0.00	0.00%
	100	\$153.73	\$153.70	(\$0.03)	-0.02%	\$28.75	\$28.75	\$0.00	0.00%	\$182.48	\$182.45	(\$0.03)	-0.02%
	300	\$165.00	\$164.91	(\$0.10)	-0.06%	\$86.24	\$86.24	\$0.00	0.00%	\$251.24	\$251.15	(\$0.10)	-0.04%
	500	\$176.27	\$176.12	(\$0.16)	-0.09%	\$143.73	\$143.73	\$0.00	0.00%	\$320.00	\$319.84	(\$0.16)	-0.05%
	700	\$187.54	\$187.32	(\$0.22)	-0.12%	\$201.22	\$201.22	\$0.00	0.00%	\$388.76	\$388.54	(\$0.22)	-0.06%
	900	\$198.81	\$198.53	(\$0.29)	-0.14%	\$258.71	\$258.71	\$0.00	0.00%	\$457.52	\$457.24	(\$0.29)	-0.06%
	1,000	\$204.45	\$204.13	(\$0.32)	-0.16%	\$287.46	\$287.46	\$0.00	0.00%	\$491.91	\$491.59	(\$0.32)	-0.06%
	1,500	\$232.62	\$232.15	(\$0.48)	-0.21%	\$431.18	\$431.18	\$0.00	0.00%	\$663.81	\$663.33	(\$0.48)	-0.07%
Average	2,638	\$296.75	\$295.91	(\$0.84)	-0.28%	\$758.31	\$758.31	\$0.00	0.00%	\$1,055.06	\$1,054.22	(\$0.84)	-0.08%
	5,000	\$429.85	\$428.25	(\$1.60)	-0.37%	\$1,437.28	\$1,437.28	\$0.00	0.00%	\$1,867.13	\$1,865.53	(\$1.60)	-0.09%
	9,000	\$655.25	\$652.37	(\$2.88)	-0.44%	\$2,587.11	\$2,587.11	\$0.00	0.00%	\$3,242.36	\$3,239.48	(\$2.88)	-0.09%
	10,000	\$711.60	\$708.40	(\$3.20)	-0.45%	\$2,874.56	\$2,874.56	\$0.00	0.00%	\$3,586.16	\$3,582.96	(\$3.20)	-0.09%
	11,000	\$767.95	\$764.43	(\$3.52)	-0.46%	\$3,162.02	\$3,162.02	\$0.00	0.00%	\$3,929.97	\$3,926.45	(\$3.52)	-0.09%
	12,000	\$824.30	\$820.46	(\$3.84)	-0.47%	\$3,449.48	\$3,449.48	\$0.00	0.00%	\$4,273.78	\$4,269.94	(\$3.84)	-0.09%
	13,000	\$880.65	\$876.49	(\$4.16)	-0.47%	\$3,736.93	\$3,736.93	\$0.00	0.00%	\$4,617.58	\$4,613.42	(\$4.16)	-0.09%
	14,000	\$937.00	\$932.52	(\$4.48)	-0.48%	\$4,024.39	\$4,024.39	\$0.00	0.00%	\$4,961.39	\$4,956.91	(\$4.48)	-0.09%
	15,000	\$993.35	\$988.55	(\$4.80)	-0.48%	\$4,311.85	\$4,311.85	\$0.00	0.00%	\$5,305.19	\$5,300.40	(\$4.80)	-0.09%
	16,000	\$1,049.70	\$1,044.58	(\$5.12)	-0.49%	\$4,599.30	\$4,599.30	\$0.00	0.00%	\$5,649.00	\$5,643.88	(\$5.12)	-0.09%
	17,000	\$1,106.05	\$1,100.61	(\$5.44)	-0.49%	\$4,886.76	\$4,886.76	\$0.00	0.00%	\$5,992.81	\$5,987.37	(\$5.44)	-0.09%
	18,000	\$1,162.40	\$1,156.64	(\$5.76)	-0.50%	\$5,174.21	\$5,174.21	\$0.00	0.00%	\$6,336.61	\$6,330.85	(\$5.76)	-0.09%
	19,000	\$1,218.75	\$1,212.67	(\$6.08)	-0.50%	\$5,461.67	\$5,461.67	\$0.00	0.00%	\$6,680.42	\$6,674.34	(\$6.08)	-0.09%
	20,000	\$1,275.10	\$1,268.70	(\$6.40)	-0.50%	\$5,749.13	\$5,749.13	\$0.00	0.00%	\$7,024.23	\$7,017.83	(\$6.40)	-0.09%
	21,000	\$1,331.45	\$1,324.73	(\$6.72)	-0.50%	\$6,036.58	\$6,036.58	\$0.00	0.00%	\$7,368.03	\$7,361.31	(\$6.72)	-0.09%
	22,000	\$1,387.80	\$1,380.76	(\$7.04)	-0.51%	\$6,324.04	\$6,324.04	\$0.00	0.00%	\$7,711.84	\$7,704.80	(\$7.04)	-0.09%
	23,000	\$1,444.15	\$1,436.79	(\$7.36)	-0.51%	\$6,611.50	\$6,611.50	\$0.00	0.00%	\$8,055.65	\$8,048.29	(\$7.36)	-0.09%
	24,000	\$1,500.50	\$1,492.82	(\$7.68)	-0.51%	\$6,898.95	\$6,898.95	\$0.00	0.00%	\$8,399.45	\$8,391.77	(\$7.68)	-0.09%
	FY20					FY21						Difference	Change
	First 3 or Less				\$148.27				\$148.27			\$0.00	0.00%
	Over 3 Therms	per Therm			\$0.056920				\$0.056600			(\$0.00)	-0.56%
	Delivery Servi												
	Net Revenu				-\$0.000570				-\$0.000570			\$0.00	0.00%
	Research &	Development S	Surcharge		\$0.000000				\$0.000000			\$0.00	0.00%
		ate Assessment	Surcharge		\$0.000000				\$0.000000			\$0.00	0.00%
	Merchant Func				\$0.008556				\$0.008556			\$0.00	0.00%
	Monthly Cost				\$0.278900				\$0.278900			\$0.00	0.00%
	Gross Receipts	Tax											
	Delivery				0.000000%				0.000000%			0.00%	0.00%
	Supply				0.000000%				0.000000%			0.00%	0.00%

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 12 Distributed Generation Service - Non-Residential (250,000 - 1,000,000 Therms for Summer)
Rate Year Two (FY 20) vs. Rate Year Three (FY 21)
Based on Oct 27, 2017 NYMEX

						Based or	Oct 27, 2017 N	VYMEX					
			Deli	ivery			Commo	dity			Total		
Т	Γherm	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change
J	Usage												
	0	\$466.54	\$466.54	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0.00%	\$466.54	\$466.54	\$0.00	0.00%
	3	\$466.53	\$466.53	\$0.00	0.00%	\$0.86	\$0.86	\$0.00	0.00%	\$467.40	\$467.40	\$0.00	0.00%
	100	\$470.36	\$470.34	(\$0.02)	0.00%	\$28.75	\$28.75	\$0.00	0.00%	\$499.11	\$499.09	(\$0.02)	0.00%
	500	\$486.15	\$486.04	(\$0.11)	-0.02%	\$143.73	\$143.73	\$0.00	0.00%	\$629.88	\$629.77	(\$0.11)	-0.02%
	1,000	\$505.89	\$505.67	(\$0.22)	-0.04%	\$287.46	\$287.46	\$0.00	0.00%	\$793.34	\$793.12	(\$0.22)	-0.03%
	2,000	\$545.36	\$544.92	(\$0.44)	-0.08%	\$574.91	\$574.91	\$0.00	0.00%	\$1,120.27	\$1,119.83	(\$0.44)	-0.04%
	3,000	\$584.83	\$584.17	(\$0.66)	-0.11%	\$862.37	\$862.37	\$0.00	0.00%	\$1,447.20	\$1,446.54	(\$0.66)	-0.05%
	4,000	\$624.30	\$623.42	(\$0.88)	-0.14%	\$1,149.83	\$1,149.83	\$0.00	0.00%	\$1,774.12	\$1,773.24	(\$0.88)	-0.05%
	5,000	\$663.77	\$662.67	(\$1.10)	-0.17%	\$1,437.28	\$1,437.28	\$0.00	0.00%	\$2,101.05	\$2,099.95	(\$1.10)	-0.05%
verage	6,528	\$724.08	\$722.64	(\$1.44)	-0.20%	\$1,876.52	\$1,876.52	\$0.00	0.00%	\$2,600.59	\$2,599.16	(\$1.44)	-0.06%
	7,000	\$742.71	\$741.17	(\$1.54)	-0.21%	\$2,012.19	\$2,012.19	\$0.00	0.00%	\$2,754.90	\$2,753.36	(\$1.54)	-0.06%
	8,000	\$782.18	\$780.42	(\$1.76)	-0.22%	\$2,299.65	\$2,299.65	\$0.00	0.00%	\$3,081.83	\$3,080.07	(\$1.76)	-0.06%
	9,000	\$821.65	\$819.67	(\$1.98)	-0.24%	\$2,587.11	\$2,587.11	\$0.00	0.00%	\$3,408.75	\$3,406.77	(\$1.98)	-0.06%
	9,200	\$829.54	\$827.52	(\$2.02)	-0.24%	\$2,644.60	\$2,644.60	\$0.00	0.00%	\$3,474.14	\$3,472.12	(\$2.02)	-0.06%
	9,500	\$841.38	\$839.29	(\$2.09)	-0.25%	\$2,730.84	\$2,730.84	\$0.00	0.00%	\$3,572.22	\$3,570.13	(\$2.09)	-0.06%
	10,000	\$861.12	\$858.92	(\$2.20)	-0.26%	\$2,874.56	\$2,874.56	\$0.00	0.00%	\$3,735.68	\$3,733.48	(\$2.20)	-0.06%
	15,000	\$1,058.47	\$1,055.17	(\$3.30)	-0.31%	\$4,311.85	\$4,311.85	\$0.00	0.00%	\$5,370.31	\$5,367.01	(\$3.30)	-0.06%
	20,000	\$1,255.82	\$1,251.42	(\$4.40)	-0.35%	\$5,749.13	\$5,749.13	\$0.00	0.00%	\$7,004.94	\$7,000.54	(\$4.40)	-0.06%
	25,000	\$1,453.17	\$1,447.67	(\$5.50)	-0.38%	\$7,186.41	\$7,186.41	\$0.00	0.00%	\$8,639.58	\$8,634.08	(\$5.50)	-0.06%
	30,000	\$1,650.52	\$1,643.92	(\$6.60)	-0.40%	\$8,623.69	\$8,623.69	\$0.00	0.00%	\$10,274.21	\$10,267.61	(\$6.60)	-0.06%
	35,000	\$1,847.87	\$1,840.17	(\$7.70)	-0.42%	\$10,060.97	\$10,060.97	\$0.00	0.00%	\$11,908.84	\$11,901.14	(\$7.70)	-0.06%
	40,000	\$2,045.22	\$2,036.42	(\$8.80)	-0.43%	\$11,498.25	\$11,498.25	\$0.00	0.00%	\$13,543.47	\$13,534.67	(\$8.80)	-0.06%
	45,000	\$2,242.57	\$2,232.67	(\$9.90)	-0.44%	\$12,935.54	\$12,935.54	\$0.00	0.00%	\$15,178.10	\$15,168.20	(\$9.90)	-0.07%
	50,000	\$2,439.92	\$2,428.92	(\$11.00)	-0.45%	\$14,372.82	\$14,372.82	\$0.00	0.00%	\$16,812.74	\$16,801.74	(\$11.00)	-0.07%
	55,000	\$2,637.27	\$2,625.17	(\$12.10)	-0.46%	\$15,810.10	\$15,810.10	\$0.00	0.00%	\$18,447.37	\$18,435.27	(\$12.10)	-0.07%
	60,000	\$2,834.62	\$2,821.42	(\$13.20)	-0.47%	\$17,247.38	\$17,247.38	\$0.00	0.00%	\$20,082.00	\$20,068.80	(\$13.20)	-0.07%
	65,000	\$3,031.97	\$3,017.67	(\$14.30)	-0.47%	\$18,684.66	\$18,684.66	\$0.00	0.00%	\$21,716.63	\$21,702.33	(\$14.30)	-0.07%
	70,000	\$3,229.32	\$3,213.92	(\$15.40)	-0.48%	\$20,121.95	\$20,121.95	\$0.00	0.00%	\$23,351.26	\$23,335.86	(\$15.40)	-0.07%
	75,000	\$3,426.67	\$3,410.17	(\$16.50)	-0.48%	\$21,559.23	\$21,559.23	\$0.00	0.00%	\$24,985.89	\$24,969.40	(\$16.50)	-0.07%
n						EV21						Difformas	Changa
						1121			\$166.51				Change 0.00%
	ner Thern	n											-0.55%
					\$0.040040				\$0.039820			(30.00)	-0.55/0
		icit			-\$0.000570				-\$0.000570			\$0.00	0.00%
		ent Surcharge											0.00%
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					\$0.276700				90.270700			φυ.υυ	0.0070
	- 4/1				0.000000%				0.000000%			0.00%	0.00%
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	e Adjustme Sharing Developmente Assessition Charger Gas	nent Surcharge ment Surcharge			\$466.54 \$0.040040 -\$0.000570 \$0.000000 \$0.000000 \$0.008556 \$0.278900 0.000000% 0.000000%	FY21			\$466.54 \$0.039820 -\$0.000570 \$0.000000 \$0.000000 \$0.008556 \$0.278900 0.000000% 0.000000%				\$0.00 (\$0.00) \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00

## Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 12 Distributed Generation Service - Non-Residential (250,000 - 1,000,000 Therms for Winter) Rate Year Two (FY 20) vs. Rate Year Three (FY 21) Based on Oct 27, 2017 NYMEX

						Based on	Oct 27, 2017 N	YMEX					
	_		Deli				Commo	dity			Total		
	Therm Usage	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change
	0	\$466.54	\$466.54	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0.00%	\$466.54	\$466.54	\$0.00	0.00%
	3	\$466.53	\$466.53	\$0.00	0.00%	\$0.86	\$0.86	\$0.00	0.00%	\$467.40	\$467.40	\$0.00	0.00%
	100	\$471.40	\$471.37	(\$0.03)	-0.01%	\$28.75	\$28.75	\$0.00	0.00%	\$500.15	\$500.12	(\$0.03)	-0.01%
	500	\$491.46	\$491.32	(\$0.14)	-0.03%	\$143.73	\$143.73	\$0.00	0.00%	\$635.19	\$635.05	(\$0.14)	-0.02%
	1,000	\$516.53	\$516.26	(\$0.28)	-0.05%	\$287.46	\$287.46	\$0.00	0.00%	\$803.99	\$803.71	(\$0.28)	-0.03%
	2,000	\$566.68	\$566.13	(\$0.56)	-0.10%	\$574.91	\$574.91	\$0.00	0.00%	\$1,141.60	\$1,141.04	(\$0.56)	-0.05%
	3,000	\$616.83	\$616.00	(\$0.84)	-0.14%	\$862.37	\$862.37	\$0.00	0.00%	\$1,479.20	\$1,478.36	(\$0.84)	-0.06%
	4,000	\$666.98	\$665.87	(\$1.12)	-0.17%	\$1,149.83	\$1,149.83	\$0.00	0.00%	\$1,816.81	\$1,815.69	(\$1.12)	-0.06%
	5,000	\$717.13	\$715.74	(\$1.40)	-0.20%	\$1,437.28	\$1,437.28	\$0.00	0.00%	\$2,154.42	\$2,153.02	(\$1.40)	-0.06%
Average	6,528	\$793.76	\$791.94	(\$1.83)	-0.23%	\$1,876.52	\$1,876.52	\$0.00	0.00%	\$2,670.28	\$2,668.45	(\$1.83)	-0.07%
	7,000	\$817.43	\$815.48	(\$1.96)	-0.24%	\$2,012.19	\$2,012.19	\$0.00	0.00%	\$2,829.63	\$2,827.67	(\$1.96)	-0.07%
	8,000	\$867.58	\$865.35	(\$2.24)	-0.26%	\$2,299.65	\$2,299.65	\$0.00	0.00%	\$3,167.24	\$3,165.00	(\$2.24)	-0.07%
	9,000	\$917.73	\$915.22	(\$2.52)	-0.27%	\$2,587.11	\$2,587.11	\$0.00	0.00%	\$3,504.84	\$3,502.32	(\$2.52)	-0.07%
	9,200	\$927.76	\$925.19	(\$2.58)	-0.28%	\$2,644.60	\$2,644.60	\$0.00	0.00%	\$3,572.36	\$3,569.79	(\$2.58)	-0.07%
	9,500	\$942.81	\$940.15	(\$2.66)	-0.28%	\$2,730.84	\$2,730.84	\$0.00	0.00%	\$3,673.65	\$3,670.99	(\$2.66)	-0.07%
	10,000	\$967.88	\$965.09	(\$2.80)	-0.29%	\$2,874.56	\$2,874.56	\$0.00	0.00%	\$3,842.45	\$3,839.65	(\$2.80)	-0.07%
	15,000	\$1,218.63	\$1,214.44	(\$4.20)	-0.34%	\$4,311.85	\$4,311.85	\$0.00	0.00%	\$5,530.48	\$5,526.28	(\$4.20)	-0.08%
	20,000	\$1,469.38	\$1,463.79	(\$5.60)	-0.38%	\$5,749.13	\$5,749.13	\$0.00	0.00%	\$7,218.51	\$7,212.91	(\$5.60)	-0.08%
	25,000	\$1,720.13	\$1,713.14	(\$7.00)	-0.41%	\$7,186.41	\$7,186.41	\$0.00	0.00%	\$8,906.54	\$8,899.54	(\$7.00)	-0.08%
	30,000	\$1,970.88	\$1,962.49	(\$8.40)	-0.43%	\$8,623.69	\$8,623.69	\$0.00	0.00%	\$10,594.58	\$10,586.18	(\$8.40)	-0.08%
	35,000	\$2,221.63	\$2,211.84	(\$9.80)	-0.44%	\$10,060.97	\$10,060.97	\$0.00	0.00%	\$12,282.61	\$12,272.81	(\$9.80)	-0.08%
	40,000	\$2,472.38	\$2,461.19	(\$11.20)	-0.45%	\$11,498.25	\$11,498.25	\$0.00	0.00%	\$13,970.64	\$13,959.44	(\$11.20)	-0.08%
	45,000 50,000	\$2,723.13 \$2,973.88	\$2,710.54 \$2,959.89	(\$12.60) (\$14.00)	-0.46% -0.47%	\$12,935.54 \$14,372.82	\$12,935.54 \$14,372.82	\$0.00 \$0.00	0.00% 0.00%	\$15,658.67 \$17,346.70	\$15,646.07 \$17,332.70	(\$12.60) (\$14.00)	-0.08% -0.08%
	55,000	\$3,224.63	\$2,939.89	(\$14.00)	-0.47%	\$14,372.82 \$15,810.10	\$14,372.82 \$15,810.10	\$0.00	0.00%	\$17,346.70 \$19,034.73	\$17,332.70	(\$14.00)	-0.08%
	60,000	\$3,475.38	\$3,209.24	(\$15.40)	-0.48%	\$15,810.10	\$15,810.10	\$0.00	0.00%	\$19,034.73 \$20,722.77	\$19,019.34	(\$15.40)	-0.08%
	65,000	\$3,726.13	\$3,707.94	(\$18.20)	-0.49%	\$18,684.66	\$18,684.66	\$0.00	0.00%	\$20,722.77	\$20,703.97	(\$18.20)	-0.08%
	70,000	\$3,976.88	\$3,707.94	(\$19.60)	-0.49%	\$20,121.95	\$20,121.95	\$0.00	0.00%	\$24,098.83	\$24,079.23	(\$19.60)	-0.08%
	75,000	\$4,227.63	\$4,206.64	(\$21.00)	-0.50%	\$20,121.93	\$21,559.23	\$0.00	0.00%	\$25,786.86	\$25,765.86	(\$21.00)	-0.08%
FY20	•			,		FY21	,			,		Difference	Change
First 3 or Le	see				\$466.54	1 1 2 1			\$466.54			\$0.00	0.00%
	ms per Therm				\$0.050720				\$0.050440			(\$0.00)	-0.55%
	rvice Adjustme	ent			\$0.030720				\$0.050440			(30.00)	-0.5570
	nue Sharing	iit.			-\$0.000570				-\$0.000570			\$0.00	0.00%
	& Developme	nt Surcharge			\$0.000000				\$0.000000			\$0.00	0.00%
	State Assessm				\$0.000000				\$0.000000			\$0.00	0.00%
	unction Charge				\$0.008556				\$0.008556			\$0.00	0.00%
Monthly Co					\$0.278900				\$0.278900			\$0.00	0.00%
Gross Recei													
Delivery					0.000000%				0.000000%			0.00%	0.00%
Supply					0.000000%				0.000000%			0.00%	0.00%

## Niagara Mohawk Power Corporation d/b/a National Grid Monthly Bill Comparison Table SC 13 Distributed Generation - Residential Rate Year Two (FY 20) vs. Rate Year Three (FY 21)

						Based on	Oct 27, 2017 N	NYMEX					
				livery				modity				otal	
Therr	n Usage	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change
	0	\$28.12	\$28.12	\$0.00	0.00%	\$0.00	\$0.00	\$0.00	0%	\$28.12	\$28.12	\$0.00	0.00%
	3	\$28.12	\$28.12	\$0.00	0.00%	\$0.97	\$0.97	\$0.00	0%	\$29.09	\$29.09	\$0.00	0.00%
	10	\$28.40	\$28.40	\$0.00	0.00%	\$3.24	\$3.24	\$0.00	0%	\$31.64	\$31.64	\$0.00	0.00%
	15	\$28.59	\$28.59	\$0.00	0.00%	\$4.86	\$4.86	\$0.00	0%	\$33.46	\$33.46	\$0.00	0.00%
	20	\$28.79	\$28.79	\$0.00	0.00%	\$6.49	\$6.49	\$0.00	0%	\$35.28	\$35.28	\$0.00	0.00%
	25	\$28.99	\$28.99	\$0.00	0.00%	\$8.11	\$8.11	\$0.00	0%	\$37.09	\$37.09	\$0.00	0.00%
	30	\$29.18	\$29.18	\$0.00	0.00%	\$9.73	\$9.73	\$0.00	0%	\$38.91	\$38.91	\$0.00	0.00%
	40	\$29.58	\$29.58	\$0.00	0.00%	\$12.97	\$12.97	\$0.00	0%	\$42.55	\$42.55	\$0.00	0.00%
	50	\$29.97	\$29.97	\$0.00	0.00%	\$16.21	\$16.21	\$0.00	0%	\$46.18	\$46.18	\$0.00	0.00%
	60	\$30.36	\$30.36	\$0.00	0.00%	\$19.46	\$19.46	\$0.00	0%	\$49.82	\$49.82	\$0.00	0.00%
	70	\$30.76	\$30.76	\$0.00	0.00%	\$22.70	\$22.70	\$0.00	0%	\$53.46	\$53.46	\$0.00	0.00%
	80	\$31.15	\$31.15	\$0.00	0.00%	\$25.94	\$25.94	\$0.00	0%	\$57.09	\$57.09	\$0.00	0.00%
	90	\$31.54	\$31.54	\$0.00	0.00%	\$29.18	\$29.18	\$0.00	0%	\$60.73	\$60.73	\$0.00	0.00%
	95	\$31.74	\$31.74	\$0.00	0.00%	\$30.81	\$30.81	\$0.00	0%	\$62.55	\$62.55	\$0.00	0.00%
Average	101	\$31.98	\$31.98	\$0.00	0.00%	\$32.75	\$32.75	\$0.00	0%	\$64.73	\$64.73	\$0.00	0.00%
	160	\$34.30	\$34.30	\$0.00	0.00%	\$51.88	\$51.88	\$0.00	0%	\$86.18	\$86.18	\$0.00	0.00%
	180	\$35.09	\$35.09	\$0.00	0.00%	\$58.37	\$58.37	\$0.00	0%	\$93.46	\$93.46	\$0.00	0.00%
	200	\$35.87	\$35.87	\$0.00	0.00%	\$64.85	\$64.85	\$0.00	0%	\$100.73	\$100.73	\$0.00	0.00%
	220	\$36.66	\$36.66	\$0.00	0.00%	\$71.34	\$71.34	\$0.00	0%	\$108.00	\$108.00	\$0.00	0.00%
	250	\$37.84	\$37.84	\$0.00	0.00%	\$81.07	\$81.07	\$0.00	0%	\$118.91	\$118.91	\$0.00	0.00%
	300	\$39.81	\$39.81	\$0.00	0.00%	\$97.28	\$97.28	\$0.00	0%	\$137.09	\$137.09	\$0.00	0.00%
	400	\$43.75	\$43.75	\$0.00	0.00%	\$129.71	\$129.71	\$0.00	0%	\$173.45	\$173.45	\$0.00	0.00%
FY20						FY21						Difference	Change
First 3 or Less					\$27.56				\$27.56			\$0.00	0.00%
Over 3 Therms p	er Therm				\$0.039140				\$0.039140			\$0.00	0.00%
Delivery Service													
Research & D		_			\$0.000000				\$0.000000			\$0.00	0.00%
Net Revenue					-\$0.000570				-\$0.000570			\$0.00	0.00%
Revenue Deco					\$0.000000				\$0.000000			\$0.00	0.00%
Incremental State		nt Surcharg	e		\$0.000000				\$0.000000			\$0.00	0.00%
Merchant Function					\$0.009053				\$0.009053			\$0.00	0.00%
Monthly Cost of					\$0.315220				\$0.315220			\$0.00	0.00%
Gross Receipts T	ax												
Delivery					2.040820%				2.040820%			0.00%	0.00%
Supply					0.000000%				0.000000%			0.00%	0.00%

## Niagara Mohawk Power Corporation d/b/a National Grid Merchant Function Charge

Illustrative Example - Stub Period Calculation for Annual Reconciliation Effective Jan 1, 2019

## A. Gas Supply Procurement Charge:

Line Annual Expense Target  1 Case 12-G-0202 Target (April 1, 2017 to March 31, 2018)  2 Actual Recoveries  3 Resulting Over Recovery (-) / Under Recovery (+)	\$ \$ \$	\$\\\1,172,739\\\1,000,000\\\172,739\\\\172,739\\\\172,739\\\\1000,000\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\\\\172,739\
4 5 months of Rate Year 1 Target (April 1, 2018 to August 31, 2018) 5 Actual Recoveries	\$ \$	317,959 200,000
6 Resulting Over Recovery (-) / Under Recovery (+)	\$	117,959
Annual Reconciliation Effective Jan 1, 2019 - December 31, 2019 7 Case 12-G-0202 Under Recovery (line 3) 8 5 months of Rate Year 1 Under Recovery (line 6)	\$ \$	<u>\$</u> 172,739 117,959
9 Total Annual Reconciliation 10 Forecasted SC 1, 2, 3 12 and 13 Sales Forecast Annual Reconciliation effective January 1, 2019 - December 31, 2019 = line 9 / line 10 (surcharges/credits shall include simple interest at the Commission's other customer capital rate)	\$ 50	290,698 64,110,906 Therms 0.00052 \$/Therm

## B. Commodity Related Credit and Collection Charge:

Annual Expense Target	Total	R	Residential	Non-Residential	
11 Case 12-G-0202 Target (April 1, 2017 to March 31, 2018)	\$ 2,746,717	_	2,600,935	\$ 145,782	2
12 Actual Recoveries	\$ 2,640,000		2,500,000	\$ 140,000	
13 Resulting Over Recovery (-) / Under Recovery (+)	\$ 106,717		100,935	\$ 5,782	_
14 5 months of Rate Year 1 Target (April 1, 2018 to August 31, 2018)	\$ 262,017	\$	248,696	\$ 13,321	
15 Actual Recoveries	\$ 213,000	\$	200,000	\$ 13,000	<u>)</u>
16 Resulting Over Recovery (-) / Under Recovery (+)	\$ 49,017	\$	48,696	\$ 321	
Annual Reconciliation Effective Jan 1, 2019 - December 31, 2019	<u>\$</u>				
17 Case 12-G-0202 Under Recovery (line 13)	\$ 106,717	\$	100,935	\$ 5,782	2
18 5 months of Rate Year 1 Under Recovery (line 16)	\$ 49,017	\$	48,696	\$ 321	
19 Total Annual Reconciliation	\$ 155,734	\$	149,631	\$ 6,103	;
20 Sales Forecast : Jan 1, 2019 - Dec 31, 2019					
21 i)Sales		44	2,654,259	121,456,646	Therms
22 ii) Total Daily & Monthly Balancing Transportation		88	8,727,028	504,898,358	Therms
- Percentage of Annual Deleveries for ESCOs in POR Program			98%	81%	
- Amt of Daily & Monthly Balancing Transportation in POR Program		80	6,745,061	407,943,019	
23 iii) Total Therms		52	9,399,320	529,399,666	Therms
24 Commodity Related Credit and Collection Expense Charge:					
25 Effective Jan 1, 2019 - December 31, 2019 : (line 19 / line 23)			\$0.00028	\$0.00001	\$/Therm
(surcharges/credits shall include simple interest at the Commission's other customer capital rate)					

## Niagara Mohawk Power Corporation d/b/a National Grid Merchant Function Charge Illustrative Example - Stub Period Calculation for Annual Reconciliation Effective Jan 1, 2019

## C. Estimated Return Requirement on Gas Storage Inventory

Line Annual Expense Target	<u>\$</u>
1 April 1, 2017 to March 31, 2018 Target	\$ 1,776,464
2 Actual Recoveries	\$ 1,500,000
3 Resulting Over Recovery (-) / Under Recovery (+)	\$ 276,464

4 Five months of Rate Year 1 Target (April 1, 2018 to August 31, 2018)

		Estimated Storage	Estimated Wtd Avg	Estimated Storage	
		Inventory Balance	Storage Inventory Cost	Inventory Costs	
		•	(based on 02/24/2017 NYMEX)	•	
		(dt)	(\$/dt)	(\$)	
	4/30/2018	944,282	\$2.24889	\$2,123,585	
	5/31/2018	4,035,648	\$2.18530	\$8,819,096	
	6/30/2018	6,975,028	\$2.18393	\$15,232,998	
	7/31/2018	8,666,347	\$2.19244	\$19,000,448	
	8/31/2018	10,321,834	\$2.20132	\$22,721,642	
	9/30/2018	12,582,968	\$2.21425	\$27,861,874	
	10/31/2018	14,828,149	\$2.20624	\$32,714,519	
	11/30/2018	14,515,978	\$2.20505	\$32,008,485	
	12/31/2018	11,706,434	\$2.20505	\$25,813,294	
	1/31/2019	7,804,289	\$2.20505	\$17,208,863	
	2/28/2019	3,902,145	\$2.20505	\$8,604,432	
	3/31/2019		\$0.00000	<u>\$0</u>	
		96,283,101		\$212,109,236	
a) Est	imated Monthly Average Storage Inventory Costs (12 Months)			\$17,675,770	
b) Pre	-Tax Weighted Average Cost of Capital			8.07%	
c) Est	imated Return Requirement on Gas Storage Inventory (a x b)			\$1,426,435	
For	Five Months Target (line 4a / 5 months)			\$285,287	
5 Ac	tual Recoveries			\$ 300,000	
6 Re	sulting Over Recovery (-) / Under Recovery (+)			\$ (14,713)	
An	nual Reconciliation Effective Jan 1, 2019 - December 31, 2019			<u>\$</u>	
	ril 1, 2017 Under Recovery (line 3)			\$ 276,464	
	nonths of Rate Year 1 Under Recovery (line 6)			\$ (14,713)	
	al Annual Reconciliation			\$ 261,751	
	ecasted SC 1, 2, 3 12 and 13 Sales Forecast			564,110,906	Therms
	nual Reconciliation effective January 1, 2019 - December 31, 2019 =	line 9 / line 10			\$/Therm
	rcharges/credits shall include simple interest at the Commission's oth		e)	0.00040	ψι Ι ΙΙΟΙΙΙΙ
(Su	sense Ses, creates shall include simple interest at the Commission's on	.c. castomer capital fat	~)		

## Niagara Mohawk Power Corporation d/b/a National Grid Total Annual Merchant Function Charges Fiscal Year target to MCG Year Target

Applicable to Customers taking Sales Service under Service Classification Nos. 1, 2, 3, 12 and 13	Rate Year 1: April 1, 2018 - March 31, 2019	MCG Year: September 1, 2018 - August 31, 2019
1) Estimated Commodity Related Uncollectible Charge	\$4,595,976	\$4,583,001
2) Gas Supply Procurement Charge	\$1,390,042	\$1,391,056
3) Commodity Related Credit and Collection Charge	\$1,084,829	\$1,085,005
4) Estimated Return Requirement on Gas Storage Inventory	\$1,426,435	\$1,322,150
5) Estimated Return Requirement on Gas Purchase Related Working Capital	\$1,910,571	\$1,903,024
Total	\$10,407,852	\$10,284,236
Applicable to ESCOs that Participate in the Company's POR Program that Serve Customers taking Transportation Service under Service Classification Nos. 1MB, 2MB, 12 DB, 12MB, 13M 1) Commodity Related Credit and Collection Charge	B, 5, 7 and 8 \$45,088	\$45,130
Total Merchant Function Charges		
1) Estimated Commodity Related Uncollectible Charge	\$4,595,976	\$4,583,001
2) Gas Supply Procurement Charge	\$1,390,042	\$1,391,056
3) Commodity Related Credit and Collection Charge	\$1,129,917	\$1,130,135
4) Return Requirement on Gas Storage Inventory	\$1,426,435	\$1,322,150
5) Return Requirement on Gas Purchase Related Working Capital	\$1,910,571	\$1,903,024
Total	\$10,452,940	\$10,329,366

## <u>Notes</u>

- 1 : Schedule 6.3, Page 4 Estimated based on projected gas costs
- 2 : Schedule 6.2, Page 2 Target
- 3 : Schedule 6.2, Page 3 & 4 Target
- 4: RY1 Schedule 6.1 (page 2), MCG Schedule 6.3 (page 11) Estimated based on projected storage inventory costs
- 5 : Schedule 6.3, Page 8-10 Estimated based on projected gas costs

Niagara Mohawk Power Corporation db'a National Grid Total Annual Merchant Function Charges Annual Expense Target in MCG Year Gas Supply Procurement Charge

2022 \$1,390,042		ion													6														
\$1,3		Monthly Allocation	\$ 50.0450	670,432	5/9,540	\$40,361	\$24,329	\$24,733	\$46,099	\$101,220	\$180,088	\$245,621	\$253,525	\$219,608	\$1,390,042														
			110/	0/11	0%0	3%0	2%	2%	3%	7%	13%	18%	18%	%91	100%														
Fiscal Year: Total Annual Target:	Billed Sales	SC 1, 2, 3, 12 and 13	Monuny Therms	22,502,530	12,096,031	17,142,347	10.333.418	10,505,166	19,579,900	42,991,701	76,489,626	104,324,061	107,681,129	93,275,259	590,399,765														
Fisc		S	100 ray	Apr. 2021	May-2021	Jun-2021	Aug-2021	Sep-2021	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022	Mar-2022	Total														
2021 \$1,390,042		Monthly Allocation	000000000000000000000000000000000000000	670,420	640,337	340,333 624 686	\$24,089	\$24,779	\$46,121	\$101,702	\$180,040	\$245,529	\$253,482	\$219,521	\$1,390,042	Monthly Allocation	\$ 224 770	646.121	\$101,702	\$180,040	\$245,529	\$253,482	\$219,521	\$150,452	\$79,340	\$40,361	\$24,665	\$24,329	\$1,390,322
		, W	110/	0/11	020	3%0	7%	2%	3%	7%	13%	18%	18%	16%	100%	Mo													
Fiscal Year: Total Annual Target:	Billed Sales	SC 1, 2, 3, 12 and 13	Monuny 1 nerms	32 072 336	35,075,220	10,814,402	10.042.098	10,329,863	19,226,476	42,396,486	75,053,613	102,353,974	105,669,624	91,512,194	579,468,813		10 379 863	10,726,02	42.396.486	75,053,613	102,353,974	105,669,624	91,512,194	63,902,330	33,698,651	17,142,547	10,475,978	10,333,418	582,095,151
Fisc Tot		S	Apr. 2020	Mor: 2020	May-2020	Jun-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Total	MCG Year	Son 2020	Oct 2020	Nov-2020	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021	May-2021	Jun-2021	Jul-2021	Aug-2021	Total
2020 \$1,390,042		Monthly Allocation	\$ 2150 705	670.740	5/9,249	\$40,506	\$23,883	\$24,873	\$46,202	\$102,205	\$179,964	\$245,357	\$247,632	\$224,836	\$1,390,042	Monthly Allocation	\$ 624.873	676,420	\$102,202	\$179,964	\$245,357	\$247,632	\$224,836	\$150,420	\$79,337	\$40,335	\$24,686	\$24,089	\$1,389,936 Total
			110%	0/11	0.70	3%0	2 %	2%	3%	7%	13%	18%	18%	16%	100%	~	ļ												
Fiscal Year: Total Annual Target:	Billed Sales	SC 1, 2, 3, 12 and 13	Monthly 1 nerms	22 421 860	32,431,609	16,494,660	9.774.007	10,178,901	18,907,528	41,826,377	73,648,115	100,409,554	101,340,441	92,011,399	568,857,982		101 278 901	18,007,528	41.826.377	73,648,115	100,409,554	101,340,441	92,011,399	62,705,941	33,073,226	16,814,402	10,290,918	10,042,098	571,248,900
EF		Ø	010C ac V	Mov. 2019	May-2019	Jun-2019	Aug-2019	Sep-2019	Oct-2019	Nov-2019	Dec-2019	Jan-2020	Feb-2020	Mar-2020	Total	MCG Year	Sep. 2010	Oct 2019	Nov-2019	Dec-2019	Jan-2020	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020	Jul-2020	Aug-2020	Total
2019 \$1,390,042		Monthly Allocation	\$ 6150 542	245,0518	510,932	540,145 624.705	\$23.615	\$24,932	\$46,238	\$102,673	\$179,953	\$245,375	\$253,460	\$219,452	\$1,390,042	Monthly Allocation	\$ 624 632	846.738	\$102,523	\$179,953	\$245,375	\$253,460	\$219,452	\$150,795	879,249	\$40,306	\$24,739	\$23,883	\$1,391,056 Total
::			110%	0 70	020	3%	7%	2%	3%	7%	13%	18%	18%	16%	100%	_													
Fiscal Year: Total Annual Target / 1:	Billed Sales SC 1, 2, 3, 12 and	13	Montnly 1 nerms	21 767 596	31,707,380	16,132,847	9,501.746	10,031,740	18,604,456	41,312,182	72,407,108	98,730,542	101,983,647	88,300,130	559,305,488		10.031.740	18 604 456	41.312.182	72,407,108	98,730,542	101,983,647	88,300,130	61,711,005	32,431,869	16,494,660	10,124,126	9,774,007	561,905,472
五五	•		910C rg A	Apr. 2018	May-2018	Jun-2018	Aug-2018	Sep-2018	Oct-2018	Nov-2018	Dec-2018	Jan-2019	Feb-2019	Mar-2019	Total	MCG Year	Sop. 2018	Oct 2018	Nov-2018	Dec-2018	Jan-2019	Feb-2019	Mar-2019	Apr-2019	May-2019	Jun-2019	Jul-2019	Aug-2019	Total

1: Schedule 6.2, Page 1

Niagara Mohawk Power Corporation d/b/a National Grid Total Annual Merchant Function Charges Annual Expense Target in MCG Year Commodity Related Credit and Collection Charge - Residential

	2022 \$1,084,829		Monthly Allocation	\$	\$118,758	\$61,643	830,899	\$18,348	\$18,566	\$17,987	\$31,895	\$74,570	\$141,142	\$195,795	\$199,320	\$175,907	\$1,084,829															
		ortation		%	11%	%9	3%	7%	7%	2%	3%	7%	13%	18%	18%	%91	100%															
	Fiscal Year: Total Annual Target:	Billed Sales and Transportation	SC 1	Monthly Therms	58,781,652	30,511,623	15,294,250	9,081,552	9,189,653	8,902,853	15,787,049	36,909,919	69,861,234	96,912,606	98,657,577	87,068,864	536,958,833															
	ĒĒ	В		ļ	Apr-2021	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022	Mar-2022	Total															
	2021 \$1,084,829		Monthly Allocation	\$	\$118,658	\$61,678	\$30,992	\$18,557	\$18,521	\$18,177	\$31,989	\$75,002	\$140,991	\$195,525	\$199,037	\$175,701	\$1,084,829	Monthly Allocation	\$	\$18,177	\$31,989	\$75,002	\$140,991	\$195,525	\$199,037	\$175,701	\$118,758	\$61,643	\$30,899	\$18,348	\$18,566	\$1,084,637
		nsportation		%	11%	%9	3%	7%	2%	2%	3%	7%	13%	18%	%81	%91	100%	Σ														
ırge - Kesidentiai	Fiscal Year: Total Annual Target:	Billed Sales and Transportation	SC 1	Monthly Therms	58,427,551	30,370,698	15,260,352	9,137,756	9,119,871	8,950,454	15,751,482	36,931,302	69,424,572	96,277,290	98,006,532	86,515,768	534,173,628		Monthly Therms	8,950,454	15,751,482	36,931,302	69,424,572	96,277,290	98,006,532	86,515,768	58,781,652	30,511,623	15,294,250	9,081,552	9,189,653	534,716,132
id Collection Cna	Fis To	Bil			Apr-2020	May-2020	Jun-2020	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Total	MCG Year		Sep-2020	Oct-2020	Nov-2020	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021	May-2021	Jun-2021	Jul-2021	Aug-2021	Total
Commodity Related Credit and Collection Charge - Residential	2020 \$1,084,829		Monthly Allocation	S	\$118,700	\$61,773	\$31,115	\$18,786	\$18,497	\$18,387	\$32,120	\$75,518	\$141,005	\$195,483	\$193,329	\$180,115	\$1,084,829	Monthly Allocation	\$	\$18,387	\$32,120	\$75,518	\$141,005	\$195,483	\$193,329	\$180,115	\$118,658	\$61,678	\$30,992	\$18,557	\$18,521	\$1,084,364
5				%	11%	%9	3%	7%	7%	7%	3%	2%	13%	18%	18%	17%	100%	_														
	Fiscal Year: Total Annual Target:	Billed Sales and Transportation	SC 1	Monthly Therms	58,070,153	30,220,474	15,222,025	9,190,442	9,048,889	8,995,388	15,713,487	36,944,395	68,981,977	95,633,516	94,579,802	88,115,042	530,715,592		Monthly Therms	8,995,388	15,713,487	36,944,395	68,981,977	95,633,516	94,579,802	88,115,042	58,427,551	30,370,698	15,260,352	9,137,756	9,119,871	531,279,835
	H.	B			Apr-2019	May-2019	Jun-2019	Jul-2019	Aug-2019	Sep-2019	Oct-2019	Nov-2019	Dec-2019	Jan-2020	Feb-2020	Mar-2020	Total	MCG Year		Sep-2019	Oct-2019	Nov-2019	Dec-2019	Jan-2020	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020	Jul-2020	Aug-2020	Total
	2019 \$1,084,829		Monthly Allocation	s	\$118,430	\$61,713	\$31,160	\$18,966	\$18,426	\$18,552	\$32,173	\$75,852	\$140,699	\$195,013	\$198,511	\$175,334	\$1,084,829	Monthly Allocation MCG Year	\$	\$18,552	\$32,173	\$75,852	\$140,699	\$195,013	\$198,511	\$175,334	\$118,700	\$61,773	\$31,115	\$18,786	\$18,497	\$1,085,005
	/1:	nsportation		%	11%	%9	3%	7%	7%	7%	3%	2%	13%	18%	18%	16%	100%	~														
	Fiscal Year: Total Annual Target / 1:	Billed Sales and Transportation	SC 1	Monthly Therms	57,670,874	30,051,945	15,173,865	9,235,647	8,972,903	9,034,208	15,667,057	36,936,990	68,514,846	94,963,970	96,667,352	85,380,766	528,270,424		Monthly Therms	9,034,208	15,667,057	36,936,990	68,514,846	94,963,970	96,667,352	85,380,766	58,070,153	30,220,474	15,222,025	9,190,442	9,048,889	528,917,174
	F. T.	Bi			Apr-2018	May-2018	Jun-2018	Jul-2018	Aug-2018	Sep-2018	Oct-2018	Nov-2018	Dec-2018	Jan-2019	Feb-2019	Mar-2019	Total	MCG Year		Sep-2018	Oct-2018	Nov-2018	Dec-2018	Jan-2019	Feb-2019	Mar-2019	Apr-2019	May-2019	Jun-2019	Jul-2019	Aug-2019	Total

1: Schedule 6.2, Page 1

1: Schedule 6.2, Page 1

Niagara Mohawk Power Corporation db/a National Grid Total Annual Merchant Function Charges Annual Expense Target in GAC Year Commodity Related Credit and Collection Charge - Non Residential

2022 \$45,088	Monthly Allocation	s	\$4,527	\$3,137	\$2,089	\$1,885	\$1,710	\$1,913	\$2,785	\$4,055	\$5,080	85,979	86,609	\$5,320	\$45,088															
		%	%01	7%	2%	4%	4%	4%	%9	%6	11%	13%	15%	12%	100%															
Fiscal Year: Total Annual Target:	Billed Sales and Transportation SC 2, 3, 5, 7, 8, 12 and 13	Monthly Therms	53,403,304	37,009,027	24,651,062	22,240,084	20,173,121	22,565,628	32,859,577	47,835,208	59,931,487	70,533,248	77,971,501	62,766,215	531,939,464															
Fis To	Bil		Apr-2021	May-2021	Jun-2021	Jul-2021	Aug-2021	Sep-2021	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022	Mar-2022	Total															
2021 \$45,088	Monthly Allocation	S	\$4,511.7	\$3,127.7	\$2,108.9	\$1,919.9	\$1,749.3	\$1,933.2	\$2,775.7	\$4,041.2	\$5,065.4	\$5,975.8	\$6,570.3	\$5,309.2	\$45,088	Monthly Allocation	s	\$1,933	\$2,776	\$4,041	\$5,065	\$5,976	\$6,570	\$5,309	\$4,527	\$3,137	\$2,089	\$1,885	\$1,710	\$45,019
	portation	%	%01	2%	2%	4%	4%	4%	%9	%6	11%	13%	15%	12%	100%	Σ		l												
Fiscal Year: Total Annual Target:	Billed Sales and Transportation SC 2, 3, 5, 7, 8, 12 and 13	Monthly Therms	53,676,821	37,210,610	25,089,996	22,841,119	20,811,466	23,000,224	33,022,933	48,078,451	60,263,432	71,095,379	78,167,685	63,164,897	536,423,013		Monthly Therms	23,000,224	33,022,933	48,078,451	60,263,432	71,095,379	78,167,685	63,164,897	53,403,304	37,009,027	24,651,062	22,240,084	20,173,121	534,269,599
) H T	.g		Apr-2020	May-2020	Jun-2020	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Total	GAC Year		Sep-2020	Oct-2020	Nov-2020	Dec-2020	Jan-2021	Feb-2021	Mar-2021	Apr-2021	May-2021	Jun-2021	Jul-2021	Aug-2021	Total
2020 \$45,088	Monthly Allocation	\$	\$4,507	\$3,118	\$2,098	\$1,906	\$1,735	\$1,919	\$2,764	\$4,035	\$5,066	\$5,982	\$6,574	\$5,386	\$45,088	Monthly Allocation	S	\$1,919	\$2,764	\$4,035	\$5,066	\$5,982	\$6,574	\$5,386	\$4,512	\$3,128	\$2,109	\$1,920	\$1,749	\$45,143 Total
•	oortation Mo	%	%01	2%	2%	4%	4%	4%	%9	%6	11%	13%	15%	12%	100%	Mo														
Fiscal Year. Total Annual Target:	Billed Sales and Transportation SC 2, 3, 5, 7, 8, 12 and 13	Monthly Therms	53,178,312	36,783,505	24,748,024	22,482,712	20,466,237	22,641,164	32,610,926	47,601,572	59,764,454	70,582,741	77,559,126	63,543,090	531,961,864		Monthly Therms	22,641,164	32,610,926	47,601,572	59,764,454	70,582,741	77,559,126	63,543,090	53,676,821	37,210,610	25,089,996	22,841,119	20,811,466	533,933,085
Fis To	Bil		Apr-2019	May-2019	Jun-2019	Jul-2019	Aug-2019	Sep-2019	Oct-2019	Nov-2019	Dec-2019	Jan-2020	Feb-2020	Mar-2020	Total	GAC Year	1	Sep-2019	Oct-2019	Nov-2019	Dec-2019	Jan-2020	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020	Jul-2020	Aug-2020	Total
2019 \$45,088	n Monthly Allocation	\$	\$4,509	\$3,111	\$2,089	\$1,891	\$1,721	\$1,908	\$2,761	\$4,044	\$5,087	\$6,016	\$6,613	\$5,339	\$45,088	Monthly Allocation	S	\$1,908	\$2,761	\$4,044	\$5,087	\$6,016	\$6,613	\$5,339	\$4,507	\$3,118	\$2,098	\$1,906	\$1,735	\$45,130 Total
ä	sportation	%	10%	2%	%5	4%	4%	4%	%9	%6	11%	13%	15%	12%	100%	Ň														
Fiscal Year: Total Annual Target / 1:	Billed Sales and Transportation SC 2, 3, 5, 7, 8, 12 and 13	Monthly Therms	52,475,494	36,207,251	24,316,574	22,007,442	20,028,443	22,205,491	32,130,488	47,060,111	59,201,730	70,015,907	76,967,834	62,139,018	524,755,782		Monthly Therms	22,205,491	32,130,488	47,060,111	59,201,730	70,015,907	76,967,834	62,139,018	53,178,312	36,783,505	24,748,024	22,482,712	20,466,237	527,379,368
Fis Tol	Bil SC		Apr-2018	May-2018	Jun-2018	Jul-2018	Aug-2018	Sep-2018	Oct-2018	Nov-2018	Dec-2018	Jan-2019	Feb-2019	Mar-2019	Total	GAC Year	2	Sep-2018	Oct-2018	Nov-2018	Dec-2018	Jan-2019	Feb-2019	Mar-2019	Apr-2019	May-2019	Jun-2019	Jul-2019	Aug-2019	Total

### Niagara Mohawk Power Corporation d/b/a National Grid Merchant Function Charge

Illustrative Example - Calculation of Gas Supply Procurement Charge for September 2018 and Reconciliation Applicable to Customers taking Sales Service under Service Classification Nos. 1, 2, 3, 12 and 13

1) Set Gas Procurement and Commodity-Related Sales Promotion Expenses for:

September 1, 2018 - August 31, 2019

a) Allowed Expenses / 1 \$ 1,391,056 b) Forecasted SC 1, 2, 3, 12 and 13 Sales 561,905,472 Therms c) Unit Rate effective September 1, 2018 - August 31, 2019 = (1a/1b) 0.00248 \$/Therm

2) Perform Annual Reconciliation for September 1, 2018 - August 31, 2019 :

January 1, 2020 - December 31, 2020

a) Actual Recoveries 2,200,000 b) Allowed Expense 1,391,056 c) Resulting Over Recovery (-) / Under Recovery (+) = (2b - 2a) (\$808,944) d) Forecasted SC 1, 2, 3, 12 and 13 Sales 573,694,416 Therms e) Annual Reconciliation effective January 1, 2020 - December 31, 2020 = (2c / 2d) -0.00141 \$/Therm

(surcharges/credits shall include simple interest at the Commission's other customer capital rate)

1: Schedule 6.2, Page 2

Niagara Mohawk Power Corporation d/b/a National Grid Merchant Function Charge Illustrative Example - Calculation of Commodity Related Credit and Collection Charge for September 1, 2018 Applicable to Customers taking Sales Service under Service Classification Nos. 1, 2, 3, 12 and 13 and to ESCOs Participating in the POR Program that serve Customers taking Transportation Service under Service Classification Nos. 1MB, 2MB, 12 DB, 12MB, 13MB, 5, 7 and 8

			Rate Brea	akdown	
		Total	Residential	Non-Residential	
1)	Normalized Bad Debt Net Write-off/1 Normalized Bad Debt Net Write-off Percentage /1	\$46,737,927 100%	\$44,872,896 96%	\$1,865,031 4%	
2)	Set Commodity Related Credit and Collection Expense Charge for : April 1, 2018 - March 31, 2019 Annual Commodity Related Credit and Collection Charge Expense Target /2 a) Allocate Using Normalized Bad Debt Net Write-off Percentage b) September 1, 2018 - August 31, 2019 Target /3	\$1,129,917	\$1,084,829 \$1,085,005	\$45,088 \$45,130	
3)	Forecasted Deliveries - September 1, 2018 - August 31, 2019 (Therms) a) SC 1, 2, 3, 12 and 13 Sales b) SC 1MB, 2MB, 12 DB, 12MB, 13MB, 5, 7 and 8 c) Percentage of Annual Deleveries for ESCOs in POR Program d) Deliveries to SC 1MB, 2MB, 12 DB, 12MB, 13MB, 5, 7 and 8 by ESCOs in POR Program	561,211,749 591,887,012 493,720,718	440,912,780 91,303,422 98% 89,263,904	120,298,969 TI 500,583,590 TI 81% 404,456,813 TI	herms
4)	Total Therms ( 3a + 3d )	1,054,932,467	530,176,684	524,755,782 T	herms
5)	Commodity Related Credit and Collection Charge Rate ( $2/4$ ) : Rates Effective September 1, 2018 - August 31, 2019		\$0.00205	\$0.00009 \$/	/Therm
6)	MCG Year - Perform Annual Reconciliation a) Commodity Related Credit and Collection Recoveries TME August 31, 2019 b) Allowed Commodity Related Credit and Collection c) Resulting Over Recovery (-) / Under Recovery (+) = (6b - 6a)		\$ 2,000,000 \$ 1,085,005 \$ (914,995)	\$ 45,130	
	d) Sales Forecast - Jan 2020 - Dec 2020 SC 1, 2, 3, 12 and 13 sales Deliveries of ESCOs in POR that serve SC 1MB, 2MB, 12 DB, 12MB, 13MB, 5, 7, 8 Percentage of Annual Deleveries for ESCOs in POR Program Deliveries to SC 1MB, 2MB, 12 DB, 12MB, 13MB, 5, 7 and 8 by ESCOs in POR Program e) Total Therms	573,694,416 593,611,021 493,687,990 1,067,382,406	450,652,394 82,901,850 98% 81,050,005 531,702,398	123,042,023 TI 510,709,171 TI 81% 412,637,985 TI 535,680,008 TI	herms herms herms
	f) Annual Reconciliation Adjustment Effective Jan 1, 2020 to Dec 31, 2020 Annual Imbalance Rates = ( 6c / 6e )		-\$0.00172	-\$0.00001 \$/	/Therm

## Notes:

- 1 Per Shared Services Panel 2 Schedule 6.2, Page 1 3 Schedule 6.2, Page 3

## Niagara Mohawk Power Corporation d/b/a National Grid Merchant Function Charge Illustrative Example - Calculation of Commodity Related Uncollectible Charge for September 1, 2018 Applicable to Customers taking Sales Service under Service Classification Nos. 1, 2, 3, 12 and 13

	SC1 Residential <u>Per Therm</u>	SC2 Residential, Commercial & Industrial <u>Per Therm</u>	SC2 Industrial Per Therm	SC3 Large General <u>Per Therm</u>	SC12 Distributed Generation Non-Residential Per Therm	SC13 Distributed Generation Residential Per Therm
1) Forecasted MCG Price for September 1, 2018	\$0.31136	\$0.30821	\$0.30821	\$0.29406	\$0.27048	\$0.31214
2) Uncollectible Factor	3.2%	0.3%	0.3%	0.3%	0.3%	0.3%
3) Commodity Related Uncollectible Charge ( 1 x 2 )	\$0.00996	\$0.00092	\$0.00092	\$0.00088	\$0.00081	\$0.00094

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Niagara Mohawk Power Corporation db/a National Grid Merchant Function Charge Proposed Commodity Related Uncollectible Charge

1. GAC Forecast (\$/Therm)												
SC1 Res	\$0.3093	\$0.3043	\$0.3099	\$0.3093	\$0.3140	\$0.3114	\$0.2995	\$0.3135	\$0.3139	\$0.3266	\$0.3298	\$0.3248
SC2 Res & Comm	\$0.3061	\$0.3011	\$0.3067	\$0.3061	\$0.3108	\$0.3082	\$0.2963	\$0.3104	\$0.3108	\$0.3235	\$0.3266	\$0.3217
SC2 Ind	\$0.3061	\$0.3011	\$0.3067	\$0.3061	\$0.3108	\$0.3082	\$0.2963	\$0.3104	\$0.3108	\$0.3235	\$0.3266	\$0.3217
SC3 LG Comm & Ind	\$0.2917	\$0.2867	\$0.2924	\$0.2917	\$0.2965	\$0.2941	\$0.2822	\$0.2962	\$0.2966	\$0.3093	\$0.3125	\$0.3075
SC12 DG	\$0.2678	\$0.2628	\$0.2684	\$0.2677	\$0.2725	\$0.2705	\$0.2586	\$0.2726	\$0.2730	\$0.2857	80.2889	\$0.2839
SC13 Res DG	\$0.3101	\$0.3051	\$0.3107	\$0.3101	\$0.3148	\$0.3121	\$0.3002	\$0.3143	\$0.3147	\$0.3274	\$0.3306	\$0.3256
2. Uncollectible % Rates												
SC1 Res	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%	3.2%
SC2 Res & Comm	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
SC2 Ind	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
SC3 LG Comm & Ind	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
SC12 DG	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
SC13 Res DG	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
3. Uncollectible Expenses Associated with Gas Costs (\$/Therm) = (1 X 2)	Gas Costs (\$/Therm) = (	1 X 2)										
SCI Res	\$0.009	\$0.0097	80.0099	\$0.0099	\$0.0101	\$0.0100	\$0.0096	\$0.0100	\$0.0100	\$0.0105	\$0.0106	\$0.0104
SC2 Res & Comm	80.0009	80.0008	\$0.0009	\$0.000	80.0009	\$0.000	\$0.0009	\$0.000	\$0.000	\$0.0010	\$0.0010	\$0.0010
SC2 Ind	80.000	\$0.000	80.0009	80.0009	80.0009	80.0009	\$0.0009	80.0008	\$0.000	\$0.0010	\$0.0010	\$0.0010
SC3 LG Comm & Ind	\$0.0009	\$0.000	80.0009	\$0.000	\$0.000	80.0009	\$0.000	80.0009	\$0.000	80.000	80.0009	\$0.000
SC12 DG	\$0.0008	\$0.0008	\$0.0008	\$0.0008	\$0.0008	\$0.0008	\$0.0008	\$0.0008	\$0.0008	80.000	80.0009	\$0.000
SC13 Res DG	\$0.000	80.0009	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.0010	\$0.0010	\$0.0010
4. Uncollectible Expenses Associated with Gas Costs Expenses Total \$	Gas Costs Expenses Total	S										
Volumes (Therms)	•											
SC1 Res	47,581,462	24,685,150	12,482,128	7,627,231	7,429,483	7,529,329	13,015,179	30,710,132	57,043,419	79,126,228	80,545,298	71,231,480
SC2 Res & Comm	11,827,822	6,191,304	2,898,743	1,868,627	1,737,646	2,114,010	4,771,226	9,590,184	14,103,291	18,152,874	19,869,808	15,720,284
SC2 Ind	152,180	79,690	42,957	38,557	26,883	34,832	63,452	123,567	184,811	241,791	267,324	209,190
SC3 LG Comm & Ind	1,010,058	810,344	728,076	404,635	306,388	352,205	753,188	886,815	1,073,799	1,207,667	1,299,327	1,137,589
SC12 DG	886	915	887	1,479	1,293	1,308	1,324	1,232	1,306	1,301	1,192	984
SC13 Res DG	401	184	99	64	53	57	87	252	482	681	269	603
Total	60,572,911	31,767,586	16,152,847	9,940,593	9,501,746	10,031,740	18,604,456	41,312,182	72,407,108	98,730,542	101,983,647	88,300,130
5. Total Dollars = $(4X3)$												
SC1 Res	\$471,056	\$240,433	\$123,823	\$75,510	\$74,666	\$74,992	\$124,685	\$308,023	\$572,716	\$826,869	\$849,753	\$740,095
SC2 Res & Comm	\$10,882	\$5,572	\$2,667	\$1,719	\$1,616	\$1,945	\$4,246	88,919	\$13,116	\$17,608	\$19,472	\$15,249
SC2 Ind	\$140	\$72	\$40	\$35	\$25	\$32	\$56	\$115	\$172	\$235	\$262	\$203
SC3 LG Comm & Ind	688\$	269\$	\$641	\$356	\$273	\$310	\$640	828	8956	\$1,123	\$1,221	\$1,047
SC12 DG	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
SC13 Res DG	80	80	80	80	80	80	80	80	80	SI	SI	SI
Total	\$ 482,968 \$	246,775 \$	127.171 \$	77.622 \$	76.581	77.280 \$	129 630 \$	317.847 \$	586 961	845.837 \$	870.710 \$	756.595
		,	•	-			0000	9	* ***		A 21.10.10	16-2-

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Niagara Mohawk Power Corporation d/b/a National Grid Merchant Function Charge Proposed Commodity Related Uncollectible Charge

Apr-2019 May-2019 Jun-2019
\$0.2714 \$0.2823
\$0.2478
50.5066 \$0.2895 \$0.5004
3.2%
0.3%
0.3%
0.3%
0.3% 0.3% 0.3% 0.3% 0.3%
\$0.0098 \$0.0092 \$0.0096
\$0.000
\$0.000
\$0.0008
\$0.0008 \$0.0007 \$0.0008 \$0.0009 \$0.0009
25,195,656 12,710,468
6,332,219 2,
83,739 47
819
988 913 887 401 183 56
61,711,005 32,431,869 16,494,660 10,124,126
000
\$232,808 \$121,893
\$5,446 \$2
\$72
\$664
<u>80</u> <u>80</u>
486,290 \$ 238,990 \$ 125,231 \$

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Niagara Mohawk Power Corporation d/b/a National Grid Merchant Function Charge Proposed Commodity Related Uncollectible Charge

Mar-2021	\$0.2123	\$0.3102	\$0.3102	\$0.2965	\$0.2737	\$0.3140		3.2%	0.3%	0.3%	0.3%	0.3%	0.3%		\$0.0100	\$0.000	80.0009	80.0009	\$00008	\$0.000			74,203,033	15,981,792	218,480	1,107,139	1,148	200	91,512,194	6742 614	415,514	\$14,863	\$203	\$885	\$1	SI	759,568	\$4,581,849
Feb-2021 Ms	80.3100	\$0.3158	\$0.3158	\$0.3021	\$0.2793	\$0.3196		3.2%	0.3%	0.3%	0.3%	0.3%	0.3%		\$0.0102	\$0.0010	\$0.0010	80.0009	\$0.0008	\$0.0010			83,964,735	20,169,470	277,152	1,256,179	1,390	000	103,009,024	0056 440	0440	\$19,161	\$263	\$1,143	\$1	<u>S1</u>	877,010 \$	
	50 2174	\$0.3143	\$0.3143	\$0.3007	\$0.2779	\$0.3181		3.2%	0.3%	0.3%	0.3%	0.3%	0.3%		\$0.0102	\$0.000	\$0.000	\$0.000	\$0.0008	\$0.0010			82,488,645	18,443,978	251,639	1,167,515	1,518	100 250 024	102,555,974	200 000	50,000	\$17,337	\$237	\$1,051	\$1	<u>\$1</u>	856,711 \$	
020 Jan-2021	\$0.3052	\$0.3022	\$0.3022	\$0.2885	\$0.2658	\$0.3060		3.2%	0.3%	0.3%	0.3%	0.3%	0.3%		\$600.0\$	\$0.0009	\$0.000	80.0009	\$0.0008	80.0008			59,443,523	14,369,092	193,933	1,045,060	1,524	101 20 30	610,650,67	6500 763	2300,703	\$13,076	\$176	8909	\$1	<u>80</u>	594,926 \$	
.020 Dec-2020	50,7045	\$0.2815	\$0.2815	\$0.2678	\$0.2451	\$0.2853		3.2%	0.3%	0.3%	0.3%	0.3%	0.3%		\$0.0091	\$0.0008	\$0.0008	\$0.000	\$0.0007	80.0008			31,583,702	9,807,108	131,586	872,403	1,438	2007 700 487	42,390,480	017	214,707	\$8,238	\$111	869\$	\$1	80	296,459 \$	
)20 Nov-2020	300003	\$0.2774	\$0.2774	\$0.2638	\$0.2410	\$0.2812		3.2%	0.3%	0.3%	0.3%	0.3%	0.3%		\$0.0090	\$0.0008	\$0.0008	\$0.000	\$0.0007	\$0.0008			13,461,844	4,933,534	70,682	758,785	1,545	200 200 01	19,220,470	6170013	\$120,733	\$4,095	826	8299	\$1	80	125,507 \$	
020 Oct-2020	0000003	\$0.2879	\$0.2879	\$0.2742	\$0.2514	\$0.2917		3.2%	0.3%	0.3%	0.3%	0.3%	0.3%		\$0.0093	\$0.000	\$0.000	\$0.0008	\$0.000	80.0008			7,671,578	2,243,281	40,924	372,497	1,526	200000	10,329,803	271	5/1,422	\$1,929	\$35	\$305	\$1	80	73,693 \$	
.020 Sep-2020	000000	\$0.2857	\$0.2857	\$0.2718	\$0.2486	\$0.2896		3.2%	0.3%	0.3%	0.3%	0.3%	0.3%		\$0.0092	\$0.0009	\$0.0009	\$0.000	\$0.0008	80.0008			7,795,813	1,880,973	32,306	331,445	1,508	000 010 01	10,042,098	673 033	\$72,033	\$1,618	\$28	\$272	\$1	80	73,952 \$	
20 Aug-2020	1000 03	\$0.2890	\$0.2890	\$0.2751	\$0.2519	\$0.2929		3.2%	0.3%	0.3%	0.3%	0.3%	0.3%		\$0.0094	\$0.000	80.0009	\$0.0008	\$0.000	80.0008			7,790,875	2,015,783	46,300	436,172	1,725	910 000 01	10,290,918	273 045	012,043	\$1,754	840	\$362	\$1	80	75,002 \$	_
20 Jul-2020	120 203	\$0.2940	\$0.2940	\$0.2801	\$0.2569	\$0.2979		3.2%	0.3%	0.3%	0.3%	0.3%	0.3%		\$0.0095	\$0.000	\$0.000	80.0008	\$0.000	80.0008			12,961,491	3,047,366	50,822	753,632	1,035	20 21	16,814,402	6102 064	\$123,204	27,087	\$45	\$633	\$1	80	126,624 \$	
020 Jun-2020	60.2024	\$0.2903	\$0.2903	\$0.2763	\$0.2531	\$0.2941		3.2%	0.3%	0.3%	0.3%	0.3%	0.3%		\$0.0094	\$0.000	\$0.000	\$0.0008	\$0.000	\$0.0009			25,754,049	6,413,387	87,506	817,035	1,067	200 200 11	55,075,220	6041 001	3241,031	95,580	\$76	8298	\$1	80	248,165 \$	
.020 May-2020	2000	\$0.2896	\$0.2896	\$0.2756	\$0.2524	\$0.2934		3.2%	0.3%	0.3%	0.3%	0.3%	0.3%		\$0.0094	\$0.000	\$0.000	\$0.0008	\$0.0008	80.0009			49,378,449	12,167,661	161,806	996,472	1,153	100 305 03	02,703,941	200000	0/0,7040	\$10,586	\$141	\$827	\$1	80	474,231 \$	
Apr-2020														ociated with Ga							ociated with Ga																S	
	L. GAC Forecast (\$/Therm)	SC2 Res & Comm	SC2 Ind	SC3 LG Comm & Ind	SC12 DG	SC13 Res DG	2. Uncollectible % Rates	SC1 Res	SC2 Res & Comm	SC2 Ind	SC3 LG Comm & Ind	SC12 DG	SC13 Res DG	3. Uncollectible Expenses Associated with Ga	SC1 Res	SC2 Res & Comm	SC2 Ind	SC3 LG Comm & Ind	SC12 DG	SC13 Res DG	4. Uncollectible Expenses Associated with Ga	Volumes (Therms)	SC1 Res	SC2 Res & Comm	SC2 Ind	SC3 LG Comm & Ind	SC12 DG	DO SAN	Lotal	5. Total Dollars = $(4X3)$	es.	SC2 Kes & Comm	SC2 Ind	SC3 LG Comm & Ind	SC12 DG	SC13 Res DG	Total	FY Total (Apr - Mar)

Niagara Mohawk Power Corporation d/b/a National Grid

Merchant Function Charge

Illustrative Example - Calculation of Return Requirement on Gas Purchase Related Working Capital for September 1, 2018

Applicable to Customers taking Sales Service under Service Classification Nos. 1, 2, 3, 12 and 13

	SC1 Residential Per Therm	SC2 Residential, Commercial Per Therm	SC2 Industrial Per Therm	SC3 Large General <u>Per Therm</u>	SC12 Distributed Generation Non-Residential Per Therm	SC13 Distributed Generation Residential Per Therm
1) Monthly Gas Supply Charge Forecast for September 1, 2018	\$0.31136	\$0.30821	\$0.30821	\$0.29406	\$0.27048	\$0.31214
2) Lead Lag Rate /l	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
3) Pre-Tax Weighted Average Cost of Capital /2	8.07%	8.07%	8.07%	8.07%	8.07%	8.07%
4) Return Requirement on Gas Working Capital ( 1 x 2 x 3 )	\$0.00334	\$0.00331	\$0.00331	\$0.00316	\$0.00291	\$0.00335

285,130 69,743 938

277,733 62,990 839

192,236 47,105

25,037 5,804

41,565 9,537 141

25,322 6,148 127 1,267

80,720 19,998 257 2,496

501 3,161 157,970

90 474

103,493 31,935 411 2,820

Case 17-G-0239 Appendix 3 Schedule 6.3 Page 8 of 12		Mar-19	0.3248 0.3217 0.3217 0.3075 0.2839	13.31% 13.31% 13.31% 13.31% 13.31%	8.07% 8.07% 8.07% 8.07% 8.07%	0.0035 0.0035 0.0035 0.0033 0.0031	71,231,480 15,720,284 209,190 1,137,589 984 603 88,300,130
Ca		Feb-19	0.3298 \$ 0.3266 \$ 0.3266 \$ 0.3125 \$ 0.3306 \$	13.31% 13.31% 13.31% 13.31% 13.31%	8.07% 8.07% 8.07% 8.07% 8.07% 8.07%	0.0035 \$ 0.0035 \$ 0.0035 \$ 0.0035 \$ 0.0034 \$ 0.0031 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0036 \$ 0.0	80,545,298 19,869,808 267,324 1,299,327 1,192 697 101,983,647
		Jan-19	0.3266 \$ 0.3235 \$ 0.3235 \$ 0.3093 \$ 0.3274 \$	13.31% 13.31% 13.31% 13.31% 13.31%	8.07% 8.07% 8.07% 8.07% 8.07%	0.0035 \$ 0.0035 \$ 0.0035 \$ 0.0035 \$ 0.0033 \$ 0.0031 \$ 0.0031 \$ 0.0035 \$ 0.0035 \$	79,126,228 18,152,874 241,791 1,207,667 1,301 681 98,730,542
		Dec-18	0.3139 \$ 0.3108 \$ 0.3108 \$ 0.2966 \$ 0.2730 \$ 0.3147 \$ 0.3147	13.31% 13.31% 13.31% 13.31% 13.31% 13.31%	8.07% 8.07% 8.07% 8.07% 8.07%	0.0034 \$ 0.0033 \$ 0.0033 \$ 0.0032 \$ 0.0029 \$	57,043,419 14,103,291 184,811 1,073,799 1,306 482 72,407,108
	ational Grid 9 ing Capital	Nov-18	0.3135 S 0.3104 S 0.3104 S 0.2962 S 0.2726 S	13.31% 13.31% 13.31% 13.31% 13.31%	8.07% 8.07% 8.07% 8.07% 8.07% 8.07%	0.0034 \$ 0.0033 \$ 0.0033 \$ 0.0032 \$ 0.0029 \$ 0.0034 \$	30,710,132 9,590,184 123,567 886,815 1,232 252 41,312,182
	Niagara Mohawk Power Corporation d/b/a National Grid Merchant Function Charge Rate Year Ending March 31, 2019 Proposed Return Requirement on Gas Working Capital	Oct-18	0.2995 \$ 0.2963 \$ 0.2963 \$ 0.2822 \$ 0.2866 \$	13.31% 13.31% 13.31% 13.31% 13.31%	8.07% 8.07% 8.07% 8.07% 8.07%	0.0032 \$ 0.0032 \$ 0.0032 \$ 0.0032 \$ 0.0032 \$	13,015,179 4,771,226 63,452 753,188 1,324 18,604,456
	awk Power Co Merchant Fu ate Year Endin turn Requirem	Sep-18	0.3114 \$ 0.3082 \$ 0.3082 \$ 0.2941 \$ 0.2705 \$ 0.3121 \$	13.31% 13.31% 13.31% 13.31% 13.31%	8.07% 8.07% 8.07% 8.07% 8.07%	0.0033 \$ 0.0033 \$ 0.0033 \$ 0.0032 \$ 0.0029 \$ 0.0034 \$	7,529,329 2,114,010 34,832 352,205 1,308 57 10,031,740
	Niagara Moh R Proposed Re	Aug-18	0.3140 \$ 0.3108 \$ 0.3108 \$ 0.3108 \$ 0.2965 \$ 0.2725 \$ 0.3148 \$ \$	13.31% 13.31% 13.31% 13.31% 13.31% 13.31%	8.07% 8.07% 8.07% 8.07% 8.07% 8.07%	0.0034 \$ 0.0033 \$ 0.0033 \$ 0.0032 \$ 0.0029 \$ 0.0034 \$	7,429,483 1,737,646 26,883 306,388 1,293 9,501,746
		Jul-18	0.3093 S 0.3061 S 0.3061 S 0.2917 S 0.2677 S	13.31% 13.31% 13.31% 13.31% 13.31%	8.07% 8.07% 8.07% 8.07% 8.07% 8.07%	0.0033 \$ 0.0033 \$ 0.0033 \$ 0.0021 \$ 0.0029 \$	7,627,231 1,868,627 38,557 404,635 1,479 64 9,940,593
		Jun-18	0.3099 S 0.3067 S 0.3067 S 0.2024 S 0.2684 S	13.31% 13.31% 13.31% 13.31% 13.31% 13.31%	8.07% 8.07% 8.07% 8.07% 8.07% 8.07%	0.0033 \$ 0.0033 \$ 0.0033 \$ 0.0033 \$ 0.0029 \$ 0.0029 \$	12,482,128 2,898,743 42,957 728,076 887 16,152,847
		May-18	0.3043 \$ 0.3011 \$ 0.3011 \$ 0.2867 \$ 0.2628 \$ 0.3051 \$	13.31% 13.31% 13.31% 13.31% 13.31%	8.07% 8.07% 8.07% 8.07% 8.07%	0.0033 \$ 0.0032 \$ 0.0032 \$ 0.0031 \$ 0.0033 \$	24,685,150 6,191,304 79,690 810,344 915 31,767,586
		Apr-18	0.3093 \$ 0.3061 \$ 0.3061 \$ 0.2917 \$ 0.2678 \$ 0.3101 \$	13.31% 13.31% 13.31% 13.31% 13.31%	8.07% 8.07% 8.07% 8.07% 8.07%	(1X2X3) 0.0033 \$ 0.0033 \$ 0.0031 \$ 0.0029 \$ 0.0033 \$	47,581,462 11,827,822 152,180 1,010,058 988 401 60,572,911
			I. MCG Forecast (%/therm)  SCI Res SC2 Res & Comm SC2 Ind SC3 Lid SC3 Lid SC3 Lid SC3 Lid SC3 Lid SC3 Lid SC3 Lid SC3 Lid SC3 Lid SC3 Lid SC3 Lid SC3 Res DG SC3 Res DG SC3 Res DG	SC1 Res SC2 Res & Comm SC2 Ind SC3 LG Comm & Ind SC12 DG	SCI Res SC2 Res & Comm SC2 Les & Comm SC2 Llod SC3 LG Comm & Ind SC1 DG	4. Return Requirement on Gas Working Capital (\$/therm) = (1 X 2 X 3)         SCI Res       \$ 0.0033         SC2 Res & Comm       \$ 0.0033         SC3 LG       \$ 0.0033         SC3 LG Comm & Ind       \$ 0.0031         SC1 LG       \$ 0.0031         SC1 LG       \$ 0.0033         SC1 Res DG       \$ 0.0033	SCI Res SC2 Res & Comm SC2 Ind SC3 LG Comm & Ind SC12 DG SC12 DG
			1. MCG F SC1 Res SC2 Res SC2 Ind SC3 LG SC12 DC	2. Lead La SCI Res SC2 Res SC2 Ind SC3 LG SC12 DC SC13 Res	3. Pre-Tax SC1 Res SC2 Res SC2 Ind SC3 LG1 SC12 DC	A. Return SCI Res SC2 Res SC2 Ind SC3 LG4 SC12 DC SC13 Re	5. Volume SCI Res SC2 Res SC2 Ind SC2 Ind SC12 DC SC12 DC SC13 Res Total

6. Total Return Requirement on Gas Working Capital = (4 X 5)

SC1 Res

SC2 Res & Comm
SC2 Ind
SC2 Ind
SC3 LG Comm & Ind
SC1 DG
SC1 DG
SC1 DG
SC1 DG
SC1 SC2 DG

MCG Year Total (Sept - Aug)

FY Total

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1. MCG Forecast (\$/therm)	٠	Apr-19	May-19	٥ .	Jun-19	Jul-19	Niagara Moh  Da  Proposed R  Aug-19	nawk Power Co Merchant Fu tta Year 1 Endii etum Requirem Sep-19	Niagara Mohawk Power Corporation db/a National Grid Merchant Function Charge Data Year I Ending March 31, 2020 Proposed Return Requirement on Gas Working Capital Aug-19 Sep-19 Oct-19 Nov-1	National Grid 20 king Capital Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
SC2 Res & Comm SC2 Ind SC3 LG Comm & Ind SC12 DG SC13 Res DG	9 8 8 8 8 8											0.3173 0.3134 0.2995 0.2763 0.3173		0.3106 0.3106 0.2966 0.2734 0.3144
2. Lead Lag Rates SC1 Res SC2 Res & Comm SC2 Ind SC3 LG Comm & Ind SC12 DG SC12 DG		13.31% 13.31% 13.31% 13.31% 13.31%	13.31% 13.31% 13.31% 13.31% 13.31%	~ ~ ~ ~ ~ ~	13.31% 13.31% 13.31% 13.31% 13.31% 13.31%	13.31% 13.31% 13.31% 13.31% 13.31%	13.31% 13.31% 13.31% 13.31% 13.31%	13.31% 13.31% 13.31% 13.31% 13.31%	13.31% 13.31% 13.31% 13.31% 13.31%	13.31% 13.31% 13.31% 13.31% 13.31%	13.31% 13.31% 13.31% 13.31% 13.31% 13.31%	13.31% 13.31% 13.31% 13.31% 13.31%	13.31% 13.31% 13.31% 13.31% 13.31%	13.31% 13.31% 13.31% 13.31% 13.31%
3. Pre-Tax Weighted Average Cost of Capital SC1 Res SC2 Res & Comm SC2 Ind SC3 LG Comm & Ind SC1 LG SC1 DG SC12 DG		8.02% 8.02% 8.02% 8.02% 8.02%	8.02% 8.02% 8.02% 8.02% 8.02% 8.02%	~ ~ ~ ~ ~ ~	8.02% 8.02% 8.02% 8.02% 8.02% 8.02%	8.02% 8.02% 8.02% 8.02% 8.02% 8.02%	8.02% 8.02% 8.02% 8.02% 8.02% 8.02%	8.02% 8.02% 8.02% 8.02% 8.02% 8.02%	8.02% 8.02% 8.02% 8.02% 8.02% 8.02%	8.02% 8.02% 8.02% 8.02% 8.02% 8.02%	8.02% 8.02% 8.02% 8.02% 8.02% 8.02%	8.02% 8.02% 8.02% 8.02% 8.02%	8.02% 8.02% 8.02% 8.02% 8.02% 8.02%	8.02% 8.02% 8.02% 8.02% 8.02% 8.02%
4. Return Requirement on Gas Working Capital (S/thern SC1 Res SC2 Res & Comm SC2 Ind SC2 Ind SC3 LG Comm & Ind SC12 DG SC12 DG		0.0033 0.0032 0.0032 0.0031 0.0028 0.0033	\$ 0.0031 \$ 0.0031 \$ 0.0029 \$ 0.0027 \$ 0.0027	8 8 8 8 8 8	0.0032 \$ 0.0032 \$ 0.0032 \$ 0.0032 \$ 0.0028 \$ 0.0028 \$	0.0032 S 0.0031 S 0.0031 S 0.0030 S 0.0027 S	0.0031 0.0031 0.0031 0.0029 0.0027	\$ 0.0031 \$ 0.0031 \$ 0.0031 \$ 0.0029 \$ 0.0027	\$ 0.0030 \$ 0.0030 \$ 0.0030 \$ 0.0028 \$ 0.0026 \$ 0.0030	\$ 0.0031 \$ 0.0031 \$ 0.0031 \$ 0.0029 \$ 0.0027	\$ 0.0032 \$ \$ 0.0032 \$ \$ 0.0032 \$ \$ 0.0031 \$ \$ 0.0038 \$ \$ 0.0038 \$	0.0034 \$ 0.0034 \$ 0.0032 \$ 0.0030 \$	0.0034 S 0.0034 S 0.0032 S 0.0032 S 0.0030 S	0.0034 0.0033 0.0033 0.0032 0.0029
S. Volumes (Therms) SC1 Res SC2 Res & Comm SC2 Ind SC3 LG Comm & Ind SC12 DG SC12 DG Total	84 1 19	48,497,594 12,045,379 156,832 1,009,812 988 401 61,711,005	25,195,656 6,332,219 83,739 819,158 915 183 32,431,869		12,710,468 2,990,466 47,179 745,603 887 56 16,494,660	7,703,546 1,953,542 42,570 422,679 1,725 10,124,126	7,604,451 1,818,125 29,658 320,211 1,508 \$\frac{53}{53}\$	7,589,275 2,186,791 37,930 363,323 1,526 1,526	13,216,714 4,864,083 67,060 758,041 1,545 18,907,528	31,098,794 9,716,571 127,266 82,057 1,438 251 41,826,377	58,134,756 14,260,512 188,745 1,062,097 1,524 481 73,648,115	80,651,675 18,319,753 245,657 1,190,272 1,518 680 100,409,554	79,761,433 20,026,359 270,925 1,279,657 1,390 677 101,340,441	74,397,962 16,243,706 218,270 1,149,696 1,148 618 92,011,399
6. Total Return Requirement on Gas Working Capital = SC1 Res SC2 Res & Comm SC2 Ind SC3 LG Comm & Ind SC12 DG SC12 DG Total FY Total MCG Year Total (Sept - Aug)	w w w w w w	158,102 38,907 507 3,110 3 1 1	\$ 77,603 \$ 19,313 \$ 255 \$ 2,376 \$ 2 376 \$ 2 2 576 \$ 2 2 576	0 0 0 0 0 0 0 0	40,673 S 9,450 S 149 S 2,244 S 0 S 0 S 2 S 2 S 2 S 2 S 52,519 S	24,266 \$ 6,076 \$ 1,251 \$ \$ 1,251 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	23,726 5,600 91 938 4 4 0 30,359	\$ 23,375 \$ 6,670 \$ 116 \$ 1,054 \$ 4 \$ 0 \$ 0 \$ 31,218	\$ 39,914 \$ 14,495 \$ 200 \$ 2,153 \$ 4 \$ 0 \$ 56,766	\$ 97,028 \$ 30,024 \$ 2,593 \$ 5 2,593 \$ 130,044	\$ 188,357 \$ \$ 45,776 \$ \$ \$ 0.006 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	272,603 \$ 61,371 \$ 823 \$ 3,809 \$ 4 \$ 4 \$ 2 \$ 338,612 \$	271,189 \$ \$ 67,489 \$ \$ 913 \$ \$ 4,120 \$ \$ 2 \$ \$ 2,4128 \$ \$ 343,718 \$ \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4128 \$ \$ 5,4	249,233 53,929 725 3,645 3 3 3 1,860,678

													Page 10 of 12
						Niagara Mol Dz Proposed R	Niagara Mohawk Power Corporation db/a National Grid Merchant Function Charge Data Year 2 Ending March 31, 2021 Proposed Return Requirement on Gas Working Capital	poration d/b/a Nation Charge g March 31, 203 ent on Gas Work	ational Grid				
	Apr-20	-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21
1. MCG Forecast (\$/therm) SC1 Res SC2 Res & Comm SC2 Ind SC3 LG Comm & Ind SC1 LG Comm & Ind SC12 DG SC13 Res DG	\$ 0.2927 \$ 0.2896 \$ 0.2896 \$ 0.2756 \$ 0.2524 \$ 0.2934	27 96 96 85 85 85 85 85 85 85 85 85 85 85 85 85	0.2934 S 0.2903 S 0.2903 S 0.2763 S 0.2531 S	0.2971 \$ 0.2940 \$ 0.2940 \$ 0.2801 \$ 0.2569 \$ 0.2979 \$	0.2921 0.2890 0.2890 0.2751 0.2519	\$ 0.2888 \$ \$ 0.2857 \$ \$ 0.2857 \$ \$ 0.2718 \$ \$ 0.2486 \$ \$ 0.2896 \$	0.2909 \$ 0.2879 \$ 0.2879 \$ 0.2742 \$ 0.2514 \$ 0.2917 \$	0.2805 \$ 0.2774 \$ 0.2774 \$ 0.2774 \$ 0.2638 \$ 0.2410 \$ 0.2812 \$	0.2845 \$ 0.2815 \$ 0.2815 \$ 0.2678 \$ 0.2451 \$ 0.2853 \$	0.3052 \$ 0.3022 \$ 0.3022 \$ 0.2885 \$ 0.2658 \$ 0.3060 \$	0.3174 \$ 0.3143 \$ 0.3143 \$ 0.3007 \$ 0.2779 \$ 0.3181 \$	0.3188 \$ 0.3158 \$ 0.3158 \$ 0.3021 \$ 0.2793 \$ 0.3196 \$	0.3132 0.3102 0.3102 0.2965 0.2737 0.3140
S.C. Lead Lag Rates SC1 Res SC2 Res & Comm SC2 Ind SC3 LG Comm & Ind SC12 DG SC12 DG SC13 Res DG	13.31% 13.31% 13.31% 13.31% 13.31%	18% 18% 18%	13.31% 13.31% 13.31% 13.31% 13.31%	13.31% 13.31% 13.31% 13.31% 13.31% 13.31%	13.31% 13.31% 13.31% 13.31% 13.31% 13.31%	13.31% 13.31% 13.31% 13.31% 13.31%	13.31% 13.31% 13.31% 13.31% 13.31%	13.31% 13.31% 13.31% 13.31% 13.31%	13.31% 13.31% 13.31% 13.31% 13.31%	13.31% 13.31% 13.31% 13.31% 13.31%	13.31% 13.31% 13.31% 13.31% 13.31%	13.31% 13.31% 13.31% 13.31% 13.31%	13.31% 13.31% 13.31% 13.31% 13.31%
S. Pre-Tax Weighted Average Cost of Capital SC1 Res SC2 Res & Comm SC2 Ind SC3 LG Comm & Ind SC1 LG SC1 LG SC12 LG SC12 LG	7.9997 7.990 7.990 7.990 7.990	%66 %6 %6 %6 %6	7.99% 7.99% 7.99% 7.99% 7.99%	7.99% 7.99% 7.99% 7.99% 7.99%	7.99% 7.99% 7.99% 7.99% 7.99%	7.99% 7.99% 7.99% 7.99% 7.99% 7.99%	7.99% 7.99% 7.99% 7.99% 7.99%	7.99% 7.99% 7.99% 7.99% 7.99%	7.99% 7.99% 7.99% 7.99% 7.99%	7.99% 7.99% 7.99% 7.99% 7.99%	7.99% 7.99% 7.99% 7.99% 7.99%	7.99% 7.99% 7.99% 7.99% 7.99%	7.99% 7.99% 7.99% 7.99% 7.99%
4. Return Requirement on Gas Working Capital (\$/thern SC1 Res SC2 nd SC2 Ind SC3 LG Comm & Ind SC3 LG Comm & Ind SC12 DG SC12 Res DG	\$ 0.0031 \$ 0.0031 \$ 0.0031 \$ 0.0029 \$ 0.0027 \$ 0.0027	31 S 31 S 31 S 22 S 31 S	0.0031 \$ 0.0031 \$ 0.0031 \$ 0.0029 \$ 0.0027 \$	0.0032 \$ 0.0031 \$ 0.0031 \$ 0.0030 \$ 0.0027 \$ 0.0032 \$	0.0031 0.0031 0.0031 0.0027 0.0027	\$ 0.0031 \$ \$ 0.0030 \$ \$ 0.0030 \$ \$ 0.0029 \$ \$ 0.0029 \$ \$ 0.0025 \$	0.0031 \$ 0.0031 \$ 0.0031 \$ 0.0029 \$ 0.0027 \$	0.0030 \$ 0.0030 \$ 0.0030 \$ 0.0028 \$ 0.0026 \$	0.0030 S 0.0030 S 0.0030 S 0.0029 S 0.0026 S	0.0033 \$ 0.0032 \$ 0.0032 \$ 0.0031 \$ 0.0033 \$	0.0034 \$ 0.0033 \$ 0.0033 \$ 0.0030 \$ 0.0034 \$	0.0034 \$ 0.0034 \$ 0.0034 \$ 0.0032 \$ 0.0030 \$	0.0033 0.0033 0.0033 0.0032 0.0029
5. Volumes (Therms) SCI Res SC2 Res & Comm SC2 Ind SC3 LG Comm & Ind SC12 DG SC12 Res DG	49,378,449 12,167,661 161,806 996,472 1,153 400 62,705,941	25, 6, 33,	25,754,049 1 6,413,387 87,506 817,035 1,067 1,833,073,226 1	12,961,491 3,047,366 50,822 753,632 1,035 16,814,402	7,790,875 2,015,783 46,300 436,172 1,725 10,290,918	7,795,813 1,880,973 32,306 331,445 1,508 53 10,042,098	7,671,578 2,243,281 40,924 372,497 1,526 10,329,863	13,461,844 4,933,534 70,682 758,785 1,545 19,226,476	31,583,702 9,807,108 131,586 872,403 1,438 250 42,396,486	59,443,523 14,369,092 193,933 1,045,060 1,524 481 75,053,613	82,488,645 18,443,978 251,639 1,167,515 1,518 680 102,353,974	83,964,735 20,169,470 277,152 1,256,179 1,390 696 105,669,624	74,203,033 15,981,792 218,480 1,107,139 1,148 602 91,512,194
6. Total Return Requirement on Gas Working Capital = SC1 Res SC2 Res & Comm SC2 Ind SC2 Lind SC3 LG Comm & Ind SC12 DG SC13 Res DG Total FY Total FY Total MCG Year Total (Sept - Aug)	\$ 153,567 \$ 37,476 \$ 498 \$ 2,920 \$ 3 3 194,466	× × × × × ×	80,353 \$ 19,817 \$ 270 \$ 2,402 \$ 3 \$ 1 \$ 102,846 \$	40,958 \$ 9,538 \$ \$ 159 \$ \$ 2,246 \$ 3 \$ \$ 3 \$ \$ 0 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24.230 6,188 1,1278 5 5 5 1,843	\$ 23,933 \$ \$ 5,718 \$ \$ \$ 958 \$ \$ \$ 958 \$ \$ \$ \$ 958 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	23.705 S 6,864 S 1,088 S 1,088 S 4 S 4 S 1,787 S	40,116 \$ 14,554 \$ 209 \$ 2,132 \$ \$ 4 4 4 4 4 4 5 5 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015 \$ 57,015	95,699 \$ 29,323 \$ 393 \$ 2,486 \$ 4 \$ 1 127,906 \$	193,191 \$ 46,125 \$ 623 \$ 3,208 \$ 3,208 \$ 2 \$ 243,153 \$ \$	278,812 S 61,603 S 840 S 3,736 S 3,736 S 3,44,998 S	284,640 S 67,769 S 931 S 4,032 S 4,035 S 2 S 357,380 S	247,096 52,740 721 3,487 3 3 3 1,879,059

#### Niagara Mohawk Power Corporation d/b/a National Grid Merchant Function Charge

Illustrative Example - Calculation of Return Requirement on Gas Storage Inventory Annual Reconciliation Applicable to Customers taking Sales Service under Service Classification Nos. 1, 2, 3, 12 and 13

#### 1) Set Return Requirement on Gas Storage Inventory Charge for: September 1, 2018 - August 31, 2019

		Estimated Storage Inventory Balance	Estimated Wtd Avg Storage Inventory Cost (based on 02/24/2017 NYMEX)		mated Storage ventory Costs
		(dt)	(\$/dt)		(\$)
		(1)	(2)	(	(3) = (1 * 2)
	9/30/2018	12,582,968	\$2.21	\$	27,861,874
	10/31/2018	14,828,149	\$2.21	\$	32,714,519
	11/30/2018	14,515,978	\$2.21	\$	32,008,485
	12/31/2018	11,706,434	\$2.21	\$	25,813,294
	1/31/2019	7,804,289	\$2.21	\$	17,208,863
	2/28/2019	3,902,145	\$2.21	\$	8,604,432
	3/31/2019	, , <u>-</u>	\$0.00	\$	, , <u>-</u>
	4/30/2019	685,254	\$2.23	\$	1,525,757
	5/31/2019	1,666,215	\$2.08	\$	3,461,244
	6/30/2019	4,657,859	\$2.10	\$	9,781,332
	7/31/2019	7,659,344	\$2.10	\$	16,101,689
	8/31/2019	10,288,833	\$2.09	\$	21,520,712
	_	90,297,468		\$	196,602,201
a) b)	Estimated Monthly Average Storage Inventor Pre-Tax Weighted Average Cost of Capital	• • • • • • • • • • • • • • • • • • • •			\$16,383,517 8.07%
	Estimated Return Requirement on Gas Stora				
c) d)	Forecasted SC 1, 2, 3, 12 and 13 Sales: Sept	5 ,	2010		\$1,322,150 561,905,472 Therms
e)	Return Requirement on Gas Storage Invento	,	, 2019		301,903,472 Therms
c)	Effective September 1, 2018 - August 31, 20	, ,			\$0.00235 \$/Therm
2)	Perform Annual Reconciliation				
	a) Actual Return Requirement on Gas Sto	2	September 1, 2018 - August 31, 2019 :		\$1,500,000
	b) Return Requirement on Gas Storage Inc.				\$1,322,150 \$177,850

#### 2) Perform Annual Reco

a)	Actual Return Requirement on Gas Storage Inventory Recoveries September 1, 2018 - August 31, 2019 :	\$1,500,000
b)	Return Requirement on Gas Storage Inventory Charge Target:	<u>\$1,322,150</u>
c)	Resulting Over Recovery (-) / Under Recovery (+) = (2b - 2a)	-\$177,850

d) Sales Forecast: Jan 2020 - Dec 2020 SC 1, 2, 3, 12 and 13 sales

573,694,416 Therms

e) Annual Reconciliation Adjustment Effective Jan 1, 2020 to December 31, 2020 Annual Imbalance Credit = (2c/2d)

-\$0.00031 \$/Therm

#### Notes:

1/ Appendix 1

### Niagara Mohawk Power Corporation d/b/a National Grid Merchant Function Charge - Unit \$ per Therm Charges Applicable to Customers taking Sales Service under Service Classification Nos. 1, 2, 3, 12 and 13 Illustrative Example - MFC Monthly Statement for September 1, 2018

	SC1 Residential Per Therm	SC2 Residential, Commercial <u>Per Therm</u>	SC2 Industrial Per Therm	SC3 Large General Per Therm	SC12 Distributed Generation Non-Residential Per Therm	SC13 Distributed Generation Residential Per Therm
1) Estimated Commodity Related Uncollectible Charge /1	\$0.00996	\$0.00092	\$0.00092	\$0.00088	\$0.00081	\$0.00094
2) Gas Supply Procurement Charge /2	\$0.00248	\$0.00248	\$0.00248	\$0.00248	\$0.00248	\$0.00248
3) Commodity Related Credit and Collection Charge /3	\$0.00205	\$0.00009	\$0.00009	\$0.00009	\$0.00009	\$0.00009
4) Estimated Return Requirement on Gas Storage Inventory /4	\$0.00235	\$0.00235	\$0.00235	\$0.00235	\$0.00235	\$0.00235
5) Estimated Return Requirement on Gas Purchase Related Working Capital /5	\$0.00334	\$0.00331	\$0.00331	\$0.00316	\$0.00291	\$0.00335
Sum (1-5) Total Merchant Function Charge	\$0.02018	\$0.00915	\$0.00915	\$0.00895	\$0.00863	\$0.00920

Applicable to ESCOs that Participate in the Company's POR Program that Serve Customers taking Transportation Service under Service Classification Nos. 1MB, 2MB, 12 DB, 12MB, 13MB, 5, 7 and 8

1) Commodity Related Credit and Collection Charge /6

 SC1 MB
 SC2 MB, 12 DB, 12MB, 13MB,

 Residential
 5, 7 and 8

 Per Therm
 Per Therm

 \$0.00205
 \$0.00009

Notes: 1: Schedule 6.3, Page 3 2: Schedule 6.3, Page 1 3: Schedule 6.3, Page 2 4: Schedule 6.3, Page 1 5: Schedule 6.3, Page 1 5: Schedule 6.3, Page 8 6: Schedule 6.3, Page 2

#### Niagara Mohawk Power Corporation d/b/a National Grid Revenue Decoupling Mechanism ("RDM") Proposed Targets Rate Years Ending March 2019 - 2023

SC 1 Residential Non-Heating Target	FY19	FY20	FY21	FY22	FY23
Delivery Revenue	\$ 8,433,720	\$ 8,603,367	\$ 8,612,611	\$ 8,647,904	\$ 8,660,102
Number of Customers	28,797	28,753	28,162	28,162	28,162
RPC Target	\$ 292.87	\$ 299.22	\$ 305.83	\$ 307.08	\$ 307.52
SC 1 Residential Heating Target				 	
Delivery Revenue	\$ 241,376,652	\$ 258,205,295	\$ 275,745,103	\$ 278,599,795	\$ 279,586,576
Number of Customers	544,716	549,510	554,470	554,470	554,470
RPC Target	\$ 443.12	\$ 469.88	\$ 497.31	\$ 502.46	\$ 504.24
SC 2 Residential Target					
Delivery Revenue	\$ 1,294,461	\$ 1,405,826	\$ 1,462,523	\$ 1,473,650	\$ 1,479,297
Number of Customers	1,924	2,010	2,007	2,007	2,007
RPC Target	\$ 672.81	\$ 699.45	\$ 728.60	\$ 734.15	\$ 736.96
SC 2 Commercial Target					
Delivery Revenue	\$ 54,863,254	\$ 58,845,559	\$ 62,383,836	\$ 63,005,466	\$ 63,321,428
Number of Customers	45,094	45,275	45,380	45,380	45,380
RPC Target	\$ 1,216.64	\$ 1,299.74	\$ 1,374.70	\$ 1,388.40	\$ 1,395.36
SC 2 Industrial Target					
Delivery Revenue	\$ 493,504	\$ 541,605	\$ 587,517	\$ 594,365	\$ 597,850
Number of Customers	149	151	153	153	153
RPC Target	\$ 3,320.47	\$ 3,594.85	\$ 3,842.43	\$ 3,887.21	\$ 3,910.00
SC 7 Firm Transportation Target					
Delivery Revenue	\$ 9,459,841	\$ 10,143,152	\$ 10,866,613	\$ 10,976,482	\$ 11,031,679
Number of Customers	704	707	715	715	715
RPC Target	\$ 13,445.00	\$ 14,348.12	\$ 15,193.43	\$ 15,347.04	\$ 15,424.22

FY19 Supported by Exhibit \_\_\_Appendix 3, Sch 4.1B, SC1 Lines 1-4, SC 2 Lines 5-14, SC7 Line 20; and Sch 4.1A, 4.2A, 4.3A and 4.4A for Tax Credits FY20, FY21 & FY22 Supported by Exhibit \_\_\_Appendix 3, Sch 3

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Niagara Mohawk Power Corporation d/b/a National Grid Revenue Decoupling Mechanism ("RDM") Proposed Targets Rate Years Ending March 2019

EY19	FY19	<u>FY19</u>	FY19	FY19	FY19
28,797	544,716	1,924	45,094	149	704
8,433,720	241,376,652	1,294,461	54,863,254	493,504	9,459,841
292.87	443.12	672.81	1,216.64	3,320.47	13,445.00
Mar-19	Mar-19	Mar-19	Mar-19	Mar-19	Mar-19
28,779	549,627	1,972	45,570	152	703
778,703	25,756,395	161,600 \$	7,044,057	64,168	1,180,772 \$
27.06 \$	46.86	81.95 \$	154.58	421.87	1,680.18 \$
Feb-19	Feb-19	Feb-19	Feb-19	Feb-19	Feb-19
28,862	548,729	1,965	45,547	152	703
796,847 \$	26,637,952 \$	173,457 \$	8,189,454	79,222 \$	1,451,473 \$
27.61 \$	48.54   \$	88.28 <b>\$</b>	179.80   \$	519.77   \$	2,064,69   \$
Jan-19	Jan-19	Jan-19	Jan-19	Jan-19	Jan-19
28,830	547,580	1,958	45,413	153	702
797,745 \$	26,443,551 \$	170,638 \$	7,698,615 \$	73,776 \$	1,343,391 \$
27.67 \$	48.29 \$	87.15 \$	169.53 \$	482.95   \$	1,913.85 \$
Dec-18 28,777 756,077 \$ 26.27 \$	Dec-18 24,285,099 44.49   \$	Dec-18 1,945 140,632 \$ 72.29 \$	Dec-18 45,179 6,522,929 \$	Dec-18 150 62,336 \$ 416.86 \$	Dec-18 704 1,109,514 \$ 1,575,78 \$
Nov-18 28,694 687,504 \$ 23.96 \$	Nov-18 543,691 20,878,534 \$ 38.40   \$	Nov-18 1,927 100,398 \$ 52.10   \$	Nov-18 44,851 4,921,303 \$ 109.73 \$	Nov-18 148 44,531 \$	Nov-18 703 888,180 \$ 1,263.37 \$
Oct-18 28,688 \$ 636,953 \$	Oct-18 542,331 \$ 16,244,728 \$	Oct-18 1,912 70,754 \$	Oct-18 44,680 \$ 3,022,488 \$ \$ 67.65 \$	Oct-18 147 5 24,107 \$ 6 164.17 \$	Oct-18 705 597,177 \$ 8 847.52 \$
Sep-18 28,684 \$ 623,174 \$ \$ 21.73 \$	Sep-18 541,818 \$ 13,958,442 \$	Sep-18 1,911 \$ 64,171 \$ \$ 33.58 \$	Sep-18 44,652 \$ 1,967,966 \$ \$ 44.07	Sep-18 147 \$ 14,011 \$ \$ 95.42 \$	Sep-18 705 \$ 378,652 \$ \$ 537.39 \$
Aug-18 28,702 \$ 629,690 \$ 21.94	Aug-18 541,687 \$ 13,882,971 \$ 25,63	Aug-18 1,897 \$ 63,366 \$	Aug-18 44,732 \$ 1,794,836 \$	Aug-18 146 \$ 11,832 \$	Aug-18 704 \$ 301,782 \$ 428.72
Jul-18	Jul-18	Jul-18	Jul-18	3 13.873 \$ 94.82	Jul-18
28,787	542,276	1,903	44,846		705
\$ 628,622	\$ 13,905,876	\$ 63,012	\$ 1,877,127		\$ 285,050
\$ 21.84	\$ 25.64	\$ 33.12	\$ 41.86		\$ 404.35
Jun-18	Jun-18	Jun-18	Jun-18	Jun-18	Jun-18
28,998	543,396	1,913	45,041	147	704
\$ 671,144	\$ 16,092,882	\$ 72,230	\$ 2,387,331	\$ 18,165	\$ 397,018
\$ 23.14	\$ 29,62	\$ 37.76	\$ 53.00	\$ 123,92	\$ 563.88
May-18	May-18	May-18	May-18	May-18 148 \$ 32,440 \$ 219.92	May-18
29,165	544,390	1,937	45,257		703
\$ 698,067	\$ 19,939,324	\$ 92,371	\$ 3,728,140		\$ 585,051
\$ 23.94	\$ 36.63	\$ 47.69	\$ 82.38		\$ 832.13
Apr-18 28,600 \$ 729,192 \$ 25.50	Apr-18 545,267 \$ 23,350,958 \$ 42.82	Apr-18 1,848 \$ 121,833 \$ 65.94	Apr-18 45,360 \$ 5,709,009 \$ 125.86	Apr-18 149 \$ 55,043	Apr-18 703 \$ 941,782 \$ 1,339.52
				_	<u> </u>
SC1 - Residential Non-Heat	SC1 - Residential Heat	SC2 - Residential	SC2 - Commercial	SC2 - Industrial	SC7
Customer	Customer	Customer	Customer	Customer	Customer
Tariff Margin	Tariff Margin	Tariff Margin	Tariff Margin	Tariff Margin	Tariff Margin
Margin Per Customer	Margin Per Customer	Margin Per Customer	Margin Per Customer	Margin Per Customer	Margin Per Customer

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Niagara Mohawk Power Corporation d/b/a National Grid Revenue Decoupling Mechanism ("RDM") Proposed Targets Rate Years Ending March 2020

EY20	EY <u>20</u>	<u>FY20</u>	FY20	FY20	FY20
28,753	549,510	2,010	45,275	151	707
8,603,367	258,205,295	1,405,826	58,845,559	541,605	10,143,152
299,22	469.88	699.45	1,299.74	3,594.85	14,348.12
Mar-20	Mar-20	Mar-20	Mar-20	Mar-20	Mar-20
28,706	554,198	2,050	45,703	154	710
807,578 \$	28,169,314 \$	179,407	7,684,445	71,209	1,302,896 \$
28.13 \$	50.83 \$	87.54	168.14	462.10	1,835.02 \$
Feb-20 28,785 818,261 \$ 28,43 \$	Feb-20 553,348 28,765,071 \$ 51.98  \$	Feb-20 2,043 186,818 \$ 91.43 \$	Feb-20 45,687 8,804,322 \$	Feb-20 154 86,240 \$ 559.03   \$	Feb-20 710 1,567,906 \$ 2,207.88 <b>  \$</b>
Jan-20 28,754 824,595 \$ 28.68 <b> </b>	Jan-20 552,242 28,781,682 \$ 52.12   \$	Jan-20 2,037 187,044 \$ 91.84 \$	Jan-20 45,561 8,275,078 \$	Jan-20 155 80,363 \$ 519.64 \$	Jan-20 709 1,450,354 \$ 2,045,29   \$
Dec-19	Dec-19	Dec-19	Dec-19 45,337 7,006,008 \$ 154.53	Dec-19	Dec-19
28,705	550,511	2,025		152	709
777,291 \$	26,313,166 \$	153,563 \$		68.054 \$	1,192,830 \$
27.08   \$	47.80 \$	75.85 \$		449.04   \$	1,682.13 <b>\$</b>
Nov-19	Nov-19	Nov-19	Nov-19	Nov-19	Nov-19
28,625	548,451	2,007	45,018	150	708
698,516	22,380,460 \$	108,167 \$	5,271,658 \$	48,724 \$	952,339 \$
24.40	40.81   \$	53.90   \$	117.10 \$	324.88 \$	1,344.99   \$
0ct-19 28,621 \$ 642,118 \$ \$ 22.44 \$	Oct-19 547,140 \$ 17,081,185 \$ 31.22 \$	0ct19 1,992 \$ 75,426 \$	Oct-19 44,856 \$ 3,212,285 \$	00ct-19 149 \$ 26.591 \$	Oct-19 708 \$ 635,195 \$ \$ 897.08  \$
Sep-19	Sep-19	Sep-19	Sep-19 44,834 \$ 2,068,210 \$ 46.13	Sep-19	Sep-19
28,618	546,673	1,991		149	706
\$ 625,917	\$ 14,440,809	\$ 67,946		\$ 15,444	\$ 397,749
\$ 21.87	\$ 26.42	\$ 34.13		\$ 103.68	\$ 563.77
Aug-19	Aug-19	Aug-19	Aug-19	Aug-19	Aug-19
28,629	546,602	1,983	44,923	148	705
\$ 633,693	\$ 14,406,546	\$ 67,507	\$ 1,883,321	\$ 13,090	\$ 310,193
\$ 22.13	\$ 26.36	\$ 34,04	\$ 41.92	\$ 88.62	\$ 440.17
28,721 28,721 631,629 21.99	Jul-19 547,223 14,381,164 26.28	Jul-19 1,990 66,847 33.60	45,048 1,975,181 43.85	101-19 148 15,418 103.95	706 290,573 411.63
28,939 679,167 23.47	Jun-19 548,369 \$ 16,910,049 \$	Jun-19 2,000 77,313 \$	Jun-19 45,255 2,528,893 \$	149 20,295 \$	Jun-19 705 415,482 \$
May-19 29,112 710,071 \$	May-19 549,384 21,331,712 38.83	Mav-19 2,025 99,844 \$ 49.31 \$	May-19 45,481 3,990,446 \$	May-19 150 35,799 \$ 239.20   \$	May-19 704 620,453 \$
Apr-19	Apr.19	Apr-19	Apr-19	Apr-19	Apr-19
28,817	549,979	1,977	45,594	151	704
754,531 \$	25,244,137 \$	135,945 \$	6,145,713 \$	60,378 \$	1,007,181 \$
26.18 \$	45.90   \$	68.75 \$	134.79 \$	399.48   \$	1,431.09   \$
Heat S	<b>်</b>	<b>တ<u>ြက</u></b>	<b>တ<u>ြက</u></b>	မ <u>ှာ</u>	<b><u>ဖ</u></b>
SC1 - Residential Non-Heat	SC1 - Residential Heat	SC2 - Residential	SC2 - Commercial	SC2 - Industrial	SC7
Customer	Customer	Customer	Customer	Customer	Customer
Tariff Margin	Tariff Margin	Tariff Margin	Tariff Margin	Tariff Margin	Tariff Margin
Margin Per Customer	Margin Per Customer	Margin Per Customer	Margin Per Customer	Margin Per Customer	Margin Per Customer

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Niagara Mohawk Power Corporation d'b/a National Grid Revenue Decoupling Mechanism ("RDM") Proposed Targets Rate Years Ending March 2021

FY21	<u>FY21</u>	FY21	FY21	FY21	FY21
28,162	554,470	2,007	45,380	153	715
8,612,611	275,745,103	1,462,523	62,383,836	587,517	10,866,613
305.83	497.31	728.60	1,374.70	3,842.43	15,193.43
Mar-21	Mar-21	Mar-21	Mar-21	Mar-21	Mar-21
28,065	559,148	2,038	45,807	156	720
811,403	30,305,045	184,834 \$	8,066,645	75,885 \$	1,376,571 \$
28,91	54.20 \$	90.69 \$	176.10	485.40 \$	1,912.63
Feb-21	Feb-21	Feb-21	Feb-21	Feb-21	Feb-21
28,144	558,302	2,032	45,790	156	720
834,472 \$	31,463,010 \$	199,152 \$	9,397,785 \$	93,429 \$	1,698,309 \$
29.65 <b>  \$</b>	56.35 \$	98.01 \$	205.24 \$	597.00   \$	2,359.26   \$
Jan-21 28,114 835,229 29,71 \$	Jan-21 557,202 31,219,682 \$ 56.03 \$	Jan-21 2,025 195,857 \$ 96.70 \$	Jan-21 45,662 8,829,670 \$	Jan-21 157 87,144 \$ 555.23 <b>\$</b>	Jan-21 719 1,569,894 \$ 2,184.06   \$
Dec-20 28,065 783,114 \$ <b>27.90 \$</b>	Dec-20 555,474 28,425,148 \$ 51.17 \$	Dec-2 <u>0</u> 2,013 160,159 \$ 79.55 \$	Dec-20 45,436 7,466,943 \$	Dec-20 154 73,816 \$ 479.89 \$	Dec-20 719 1,288,783 \$ 1,792.98 \$
Nov-20	Nov-20	Nov-20	Nov-20	Nov-20	Nov-20
27,985	553,421	1,995	45,117	152	718
695,481 \$	23,933,412 \$	111,424 \$	5,605,217 \$	52,949 \$	1,026,553 \$
24.85 \$	43.25   \$	55.84 \$	124,24   \$	347.79 \$	1,430.28 <b>  \$</b>
Oct-20	Oct-20	Oct-20	Oct-20	Oct-20	Oct-20
27,981	552,119	1,981	44,955	151	718
634,550 \$	17,942,257 \$	76,839 \$	3,391,926 \$	29,082 \$	680,924 \$
22.68 \$	32.50  \$	38.78 \$	75.45 \$	192.34   \$	948.72   \$
Sep-20	Sep-20	Sep-20	Sep-20	Sep-20	Sep-20
27,979	551,666	1,980	44,935	151	712
\$ 616,070 \$	\$ 14,928,453 \$	\$ 68,730 \$	\$ 2,162,322 \$	\$ 16,891 \$	\$ 421,865 \$
\$ 22.02 \$	\$ 27.06 \$	\$ 34,71 \$	\$ 48.12 \$	\$ 111,71 \$	\$ 592.18   \$
Aug-20 27,986 \$ 625,266 \$	Aug-20 551,622 \$ 14,948,277 \$	Aug-20 1,975 \$ 68,622 \$ 34.75	Aug-20 45,026 \$ 1,965,797 \$	Aug-20 150 \$ 14,351 \$	Aug-20 712 \$ 322,039 \$
3ul-20	<u>Jul-20</u>	<u>Jul-20</u> 1,982 \$ 67,671 \$ 34.15	Jul-20	Jul-20	Jul-20
28,083	552,263		45,154	151	713
\$ 622,044	\$ 14,860,503		\$ 2,065,017	\$ 16,969	\$ 298,914
\$ 22.15	\$ 26.91		\$ 45.73	\$ 112.73	\$ 419.35
Jun-20 28,308 \$ 673,922 \$ \$ 23.81 \$	<u>Jun-20</u> 553,433 \$17,749,683 <b>\$</b> 32.07	Jun-20 1,992 \$ 78,974	Jun-2 <u>0</u> 45,365 \$ 2,657,047 \$ 58.57	Jun-20 151 \$ 22,351 \$ 148.18	Jun-20 712 \$ 438,029 \$ 615.36
May-20	May-20	May-20	May-20	May-20	May-20
28,489	554,478	2,018	45,598	152	711
\$ 708,340	\$ 22,771,906	103,078	\$ 4,229,539	\$ 39,052 \$	661,976
\$ 24.86	\$ 41.07	51.07	\$ 92.76	\$ 257.15 \$	931.47
Apr-20 28,739 \$ 772,718 \$	Apr-20 554,507 \$ 27,197,726 \$ 49.05	Apr-20 2,055 147,183 \$ 71.62 \$	Apr-20 45,716 \$ 6,545,926 \$ \$ 143.19 \$	Apr-20 153 65,598 427.43	Apr-20 711 5 1,082,757 \$ 1,523,55   \$
SC1 - Residential Non-Heat Customer Tariff Margin Margin Per Customer	SC1 - Residential Heat Customer Tariff Margin Margin Per Customer	SC2 - Residential Customer Tariff Margin Margin Per Customer	SC2 - Commercial Customer Tariff Margin Margin Per Customer	SC2 - Industrial Customer Tariff Margin Margin Per Customer	SC7 Customer Tarff Margin Margin Per Customer

Niagara Mohawk Power Corporation d/b/a National Grid Revenue Decoupling Mechanism ("RDM") Proposed Targets Rate Years Ending March 2022

FY22	<u>FY22</u>	EY22	FY22	FY22	FY22
28,162	554,470	2,007	45,380	153	715
8,647,904	278,599,795	1,473,650	63,005,466	594,365	10,976,482
307.08	502.46	734.15	1,388.40	3,887.21	15,347.04
Mar-22	Mar-22	Mar-22	Mar-22	Mar-22	Mar-22
28,065	559,148	2,038	45,807	156	720
816,289 \$	30,690,087	186,549	8,154,559	76,794 \$	1,392,367 \$
29.09 \$	54.89	91.53	178.02	491.22	1,934.58 \$
Eeb-22	Feb-22	Feb-22	Feb-22	Feb-22	Feb-22
28,144	558,302	2,032	45,790	156	720
839,795 \$	31,871,987 \$	201,050 \$	9,502,475 \$	94,559 \$	1,718,657 \$
29.84 \$	57.09 \$	98.94 \$	207.52 \$	604.21 \$	2,387.52  \$
Jan-22 28,114 840,580 \$ 29.90   \$	Jan-22 557,202 31,624,161 \$ 56.76 \$	Jan-22 2,025 197,715 \$ 97.62 \$	Jan-22 45,662 8,927,234 \$ 195.51 \$	Jan-22 157 88,195 \$	Jan-22 719 1,588,431 \$ 2,209.85 <b>\$</b>
Dec-21	Dec-21	Dec-21	Dec-21	Dec-21	Dec-21
28,065	555,474	2,013	45,436	154	719
787,425	28,773,428 \$	161,569 \$	7,547,397 \$	74,700 \$	1,303,342 \$
28.06 \$	51.80 \$	80.25 \$	166.11 \$	485.64 \$	1,813.23 \$
Nov-21	Nov-21	Nov-21	Nov-21	Nov-21	Nov-21
27,985	553,421	1,995	45,117	152	718
698,043	24,191,108 \$	112,223 \$	5,662,256 \$	53,570 \$	1,037,407 \$
24.94 \$	43.71  \$	56.24   \$	125.50  \$	351.87   \$	1,445.41   \$
Oct-21 27,981 \$ 635,875 \$	Oct-21 552,119 \$ 18,078,631 \$	Oct-21 1,981 \$ 77,204 \$ \$ 38.97 \$	Oct-21 44,955 \$ 3,421,030 \$ \$ 76.10 \$	Oct-21 151 5 29,403 \$ 6 194.46 \$	Oct-21 718 \$ 686,889 \$ \$ 957.03 \$
Sep-21 27,979 \$ 617,019 \$	Sep-21 551,666 \$ 15,003,730 \$	Sep-21 1,980 \$ 68,992 (	Sep-21 44,935 \$ 2,175,891 \$	Sep-21 151 \$ 17,058 \$ \$ 112.81 \$	Sep-21 712 \$ 424,192 \$ \$ 595,44   \$
Aug-21	Aug-21	Aug-21	Aug-21	Aug-21	Aug-21
27,986	551,622	1,975	45,026	150	712
\$ 626,400	\$ 15,023,975	\$ 68,885	\$ 1,976,852	\$ 14,486	\$ 322,958
\$ 22.38	\$ 27.24	\$ 34.88	\$ 43.90	\$ 96.65	\$ 453.84
Jul-21 28,083 \$ 623,072 \$ 22.19	<u>Jul-21</u> 552,263 \$ 14,934,152 \$ 27.04	Jul-21 1,982 67,919 34.27	Jul-21 45,154 \$ 2,077,290 \$ 46.00	151 \$ 17,137 \$ 113.84	21 21 21 21 21 299,499 420.17
Jun-21 28,308 \$ 675,912 \$ 23.88	Jun-21 553,433 \$ 17,881,596 \$ 32.31	Jun-21 1,992 \$ 79,362 \$ \$ 39.84 \$	Jun-21 45,365 \$ 2,676,749 \$ 59.00	151 \$ 22,587 \$ 149.74	Jun-21 712 \$ 440,587 \$ \$ 618.95   \$
May-21	May-21	May-21	May-21	May-21	May-21
28,489	554,478	2,018	45,598	152	711
710,955	23,005,528	103,764	4,269,063	39,498	667,709
24.96	41.49	<b>51.41</b>	93.62	260.09	939.53
Apr-21	Apr-21	Apr-21	Apr-21	Apr-21	Apr-21
28,739	554,507	2,055	45,716	153	711
776,539 \$	27,521,411 \$	148,417 \$	6,614,670 \$	66.378 \$	1,094,443 \$
27.02 \$	49.63 \$	72.22   \$	144.69 \$	432.51   \$	1,539.99   \$
eat &	မာ <u>မ</u>	<b>မာ</b>	<b>မ</b>	<b>မ<u></u></b>	မှ <u>မှ</u>
SC1 - Residential Non-Heat	SC1 - Residential Heat	SC2 - Residential	SC2 - Commercial	SC2 - Industrial	SC7
Customer	Customer	Customer	Customer	Customer	Customer
Tariff Margin	Tariff Margin	Tariff Margin	Tariff Margin	Tariff Margin	Tariff Margin
Margin Per Customer	Margin Per Customer	Margin Per Customer	Margin Per Customer	Margin Per Customer	Margin Per Customer

Niagara Mohawk Power Corporation d'b/a National Grid Revenue Decoupling Mechanism ("RDM") Proposed Targets Rate Years Ending March 2023

#### Niagara Mohawk Power Corporation d/b/a National Grid Calculation of Lost and Unaccounted for Gas (LAUF) Target and Dead Band Based on 5-Year Historic Period: TME Aug 2012 to Aug 2016

	TME	TME	TME	TME	TME
Metered Receipts (dt)	Aug-12	Aug-13	Aug-14	Aug-15	Aug-16
NMPC's City Gate Receipts	149,068,560	164,910,945	182,954,560	192,460,212	164,413,003
Less Dedicated Line Customers	39,109,100	39,255,416	43,905,220	52,541,585	41,467,037
Less SC4	39,109,100	39,233,410	43,903,220	52,541,565	41,407,037
Total Receipts	109,959,460	125,655,529	139,049,340	139,918,627	122,945,967
Metered Deliveries (dt)					
SC 1, 2, 3, 12 & 13 Firm Sales	40,743,380	46,258,191	53,053,617	54,334,644	46,401,855
SC8 Standby & SC10 NGV Sales	7	9	5,822,233	9,255,542	9,506,838
SC1MB, 2MB, 5, 7, 8, 12MB, 12 DB & 13 MB Transportation	49,316,353	54,636,422	68,575,259	64,094,364	49,410,111
SC 6, 9 & 14 Transportation	58,453,789	61,630,243	51,856,732	59,791,102	60,186,897
Company Use	31,850	70,494	85,089	83,166	139,993
Metered Soft Offs (Staff Adjustment per IR DPS-565)	60,416	223,803	346,931	253,689	72,390
Total Deliveries	148,605,794	162,819,161	179,739,860	187,812,507	165,718,084
Less Dedicated Line Customers	40,145,542	38,380,000	43,791,192	52,280,180	42,408,907
Less SC4	-	-	-	-	
Net Metered Deliveries	108,460,252	124,439,161	135,948,668	135,532,327	123,309,177
LAUF (dt)	1,499,208	1,216,367	3,100,672	4,386,300	(363,210)
LAUF % (of Deliveries)	1.382%	0.977%	2.281%	3.236%	-0.295%
5-Year Statistics					
Mean LAUF% (of Deliveries)					1.516%
1 Std Deviation					1.335%
2 Std Deviations					2.670%
LAUF Target & Dead Band					
LAUF% Target (% of Deliveries)					1.516%
Upper Dead Band (Mean + 2 Std Dev Cap) *					2.516%
Lower Dead Band (Mean - 2 Std Dev Cap) *					0.516%
Lower Dead Danid (Mean - 2 Std Der Cap)					0.51076

<sup>\*</sup> In accordance with the Staff's Draft White Paper, if the standard deviation of the five-year historic average is greater than 0.5%, the dead bands should be limited to plus or minus one percent.

#### Niagara Mohawk Power Corporation d/b/a National Grid Net Revenue Sharing Mechanism

Set Rate Year One, Rate Year Two and Rate Year Three Delivery Revenue Targets
Applicable to Customers taking Sales and Delivery Service under SC 1, 2, 3, 5, 7, 8, 12, and 13

1) Rate Year 1 Delivery Revenue Targets: April 1, 2018 - March 31, 2019:

nue Targeis. April 1, 2016 -	wait	11 31, 2019.	
		<u>SC6</u>	SC9 & SC14
Apr-18	\$	276,692	\$ 1,315,419
May-18	\$	211,781	\$ 1,377,031
Jun-18	\$	170,313	\$ 1,318,893
Jul-18	\$	93,966	\$ 1,596,532
Aug-18	\$	223,095	\$ 1,585,545
Sep-18	\$	233,966	\$ 1,456,691
Oct-18	\$	213,818	\$ 1,384,399
Nov-18	\$	248,919	\$ 1,262,411
Dec-18	\$	223,761	\$ 1,366,812
Jan-19	\$	168,383	\$ 1,465,247
Feb-19	\$	251,373	\$ 1,345,716
Mar-19	\$	187,840	\$ 1,477,670
Delivery Revenue Targets	\$	2,503,905	\$ 16,952,365

2) Rate Year 2 Delivery Revenue Targets: April 1, 2019 - March 31, 2020:

ide 1 digets. April 1, 2017	with the	1, 2020.	
		<u>SC6</u>	SC9 & SC14
Apr-19	\$	280,835	\$ 1,370,776
May-19	\$	214,519	\$ 1,423,223
Jun-19	\$	171,687	\$ 1,299,269
Jul-19	\$	95,362	\$ 1,512,651
Aug-19	\$	224,566	\$ 1,468,697
Sep-19	\$	235,665	\$ 1,418,125
Oct-19	\$	215,777	\$ 1,437,654
Nov-19	\$	251,588	\$ 1,322,159
Dec-19	\$	226,179	\$ 1,380,036
Jan-20	\$	170,193	\$ 1,449,975
Feb-20	\$	254,423	\$ 1,375,500
Mar-20	\$	189,546	\$ 1,443,464
Delivery Revenue Targets	\$	2,530,339	\$ 16,901,529

3) Rate Year 3 Delivery Revenue Targets: April 1, 2020 - March 31, 2021:

	<u>SC6</u>	SC9 & SC14
Apr-20	\$ 283,637	\$ 1,372,730
May-20	\$ 216,748	\$ 1,431,228
Jun-20	\$ 173,010	\$ 1,301,619
Jul-20	\$ 96,942	\$ 1,530,233
Aug-20	\$ 226,207	\$ 1,483,590
Sep-20	\$ 237,583	\$ 1,428,608
Oct-20	\$ 218,077	\$ 1,439,644
Nov-20	\$ 254,941	\$ 1,323,800
Dec-20	\$ 229,607	\$ 1,381,878
Jan-21	\$ 173,418	\$ 1,455,751
Feb-21	\$ 259,071	\$ 1,377,470
Mar-21	\$ 192,781	\$ 1,461,944
Delivery Revenue Targets	\$ 2,562,020	\$ 16,988,495

\$0.00311

## Niagara Mohawk Power Corporation d/b/a National Grid Net Revenue Sharing Mechanism Illustrative Example of Rate Year One Reconciliation Applicable to Customers taking Sales and Delivery Service under SC 1, 2, 3, 5, 7, 8, 12, and 13

1) Rate Year 1 Delivery Revenue Targets: April 1, 2018 - March 31, 2019:

Estimated Surcharge / (Credit ) (\$ Per Therm)

For the period August 1, 2019 through July 31, 2020

Delivery Revenue Targets	\$	<u>SC6</u> 2,503,905	\$	SC9 & SC14 16,952,365	<u>Total</u>
2) Rate Year 1 Reconciliation: April 1, 2018 - March 31,	2019:				
a) Actual Delivery Revenues					
.,		SC6		SC9 & SC14	
Apr-18	\$	325,257	\$	1,508,398	
May-18	\$	203,413	\$	1,512,459	
Jun-18	\$	187,711	\$	1,463,097	
Jul-18	\$	345,232	\$	955,402	
Aug-18	\$	252,738	\$	930,221	
Sep-18	\$	250,568	\$	996,615	
Oct-18	\$	378,254	\$	881,122	
Nov-18	\$	330,379	\$	861,158	
Dec-18	\$	308,547	\$	1,307,987	
Jan-19	\$	289,431	\$	1,315,079	
Feb-19	\$	257,864	\$	1,203,898	
Mar-19	\$	110,861	\$	1,486,798	
Actual Delivery Revenues	\$	3,240,255	\$	14,422,236	
Target less Actual Delivery Revenues	\$	(736,350)	\$	2,530,130	\$ 1,793,780
Sharing Percentage (Symmetrical)		90%		100%	
Resulting Amount (Over) / Under Recovered	\$	(662,715)	\$	2,530,130	\$ 1,867,415
April 1, 2018 - March 31, 2019 Amount to be Recover	ed/(Refu	unded)	>		\$ 1,867,415
Estimated SC1,2,3,5,7,8,12, and 13 Sales and Delivery For the period August 1, 2019 through July 31, 2020	•	hroughput (therr	ns)		600,000,000

### Niagara Mohawk Power Corporation d/b/a National Grid Illustrative Example of EAM (Earnings Adjustment Mechanism)

	1	2	3		4	5		6
Service Class	Earned EAM	Gas Deliveries (dt)	Allocation %	Allocate	ed EAM \$	Forecast sales - (dt)*	<b>EAM</b>	\$/therm rate
SC-1 Residential		53,030,994	46.07%	\$	690,992	53,263,834	\$	0.00130
SC-2 Small General		21,623,880	18.78%	\$	281,758	21,926,745	\$	0.00128
SC-3 Large General		997,009	0.87%	\$	12,991	1,000,260	\$	0.00130
SC-5 Firm Transport		8,015,083	6.96%	\$	104,436	8,103,443	\$	0.00129
SC-7 Small Firm Transport		6,425,110	5.58%	\$	83,719	6,545,078	\$	0.00128
SC-8 Standby Sales		23,598,624	20.50%	\$	307,489	23,897,150	\$	0.00129
SC-12 -S / SC-12-L DG NonRes		1,428,188	1.24%	\$	18,609	1,459,637	\$	0.00127
SC-13 DG Res		362	0.00%	\$	5	69,298	\$	0.00001
	Ф. 1.500.000			Φ 1	<b>5</b> 00 000			
	\$ 1,500,000			\$ 1	,500,000			

<sup>\*</sup> Excludes EZR Load and EJP Load

<sup>1</sup> Illustrative dollar amount for Earned EAM.

<sup>2</sup> Supported by Exhibit\_\_\_\_(G-RDP-3CU), Schedule 9A, Line 3 (Gas\_Deliveries) Excluding NYSEG and SC-10 NGV

<sup>3</sup> Percentage of gas deliveries

<sup>4</sup> Calcuated by applying Allocation % to earned EAM by Service Class.

<sup>5</sup> Rate year 2 forecasted sales supported by rate year 2 billing determinants.

<sup>6</sup> Column 3 / Columm 4

Case 17-G-0239
Appednix 3
Schedule 11.1
Page 1 of 1

Niagara Mohawk Power Company (Gas) dba National Grid (Gas) Marginal Class Study (\$000s)- Rate Year Ending March 31, 2019

Frontier Lists Program (FIP) Marrinal Rates

JP) Mar	
r Jobs Program (	
Excelsio	

Line	Rate Class	Customer	Annual Marginal	Annual Marginal	Total Annual	Monthly Customer	Customers	Annual Customer	Annual Marginal Costs Minus	Annual	Excelsior Rate Per	Excelsior Rate Per
		Type	Demand Costs	Customer Costs	Marginal Costs	Charge Proposed		Charge Revenue	Customer Charge Revenue	Deliveries Dth	Dth	therm
									Year 1			
-	SC-1 Residential	Residential	\$97,644,889	\$183,630,668	\$281,275,557	\$ 20.35	573,513	\$140,051,773	\$141,223,784	53,030,994	\$2.66	\$0.26630
2	SC-2 Small General	Commercial	\$39,276,219	\$39,179,165	\$78,455,384	\$ 24.27	7 47,167	\$13,736,771	\$64,718,612	21,623,880	\$2.99	\$0.29929
з	SC-3 Large General	Commercial	\$1,199,488	\$67,783	\$1,267,272	\$ 781.27	, 42	\$390,635	\$876,637	600,766	\$0.88	\$0.08793
4	SC-5 Firm Transport	Commercial	\$8,947,705	\$355,449	\$9,303,153	\$ 554.83	158	\$1,051,958	\$8,251,195	8,015,083	\$1.03	\$0.10295
5	SC-7 Small Firm Transport	Other	\$10,983,169	\$934,656	\$11,917,826	\$ 361.27	704	\$3,050,564	\$8,867,262	6,425,110	\$1.38	\$0.13801
9	SC-8 Standby Sales	Other	\$21,292,293	\$432,475	\$21,724,768	\$ 1,039.54	1 59	\$735,994	\$20,988,773	23,598,624	80.89	\$0.08894
7	SC-10 NGV	Other	\$21,491	\$2,575	\$24,066		2	80	\$24,066	16,161	\$1.49	\$0.14892
∞	SC-12-S/L DG NonRes	Other	\$830,112	\$57,254	\$887,367	\$ 1,401.27	, 18	\$302,674	\$584,692	1,428,188	\$0.41	\$0.04094
6	SC-13 DG Res	Other	\$705	\$882	\$1,587	\$ 27.56	3	\$992	\$595	362	\$1.65	\$0.16456
10	NYSEG	Other	\$565,550	\$2,284	\$567,834	\$ 895.02	1	\$10,740	\$557,094	287,923		
11	Total	. !!	\$180,761,621	\$224,663,191	\$405,424,812		621,665	\$159,332,102	\$246,092,711	115,423,334		
12		•										
13									Year 2			
14	SC-1 Residential	Residential	\$97,644,889	\$183,630,668	\$281,275,557	\$ 20.35	578,263	\$141,211,772	\$140,063,784	53,030,994	\$2.64	\$0.26412
15	SC-2 Small General	Commercial	\$39,276,219	\$39,179,165	\$78,455,384	\$ 24.27	47,435	\$13,815,075	\$64,640,308	21,623,880	\$2.99	\$0.29893
16	SC-3 Large General	Commercial	\$1,199,488	\$67,783	\$1,267,272	\$ 781.27	, 40	\$377,952	\$889,320	600,766	80.89	\$0.08920
17	SC-5 Firm Transport	Commercial	\$8,947,705	\$355,449	\$9,303,153	\$ 587.29	158	\$1,113,502	\$8,189,651	8,015,083	\$1.02	\$0.10218
18	SC-7 Small Firm Transport	Other	\$10,983,169	\$934,656	\$11,917,826	\$ 361.27	707	\$3,064,722	\$8,853,104	6,425,110	\$1.38	\$0.13779
19	SC-8 Standby Sales	Other	\$21,292,293	\$432,475	\$21,724,768	\$ 1,155.03	09	\$831,622	\$20,893,146	23,598,624	80.89	\$0.08854
20	SC-10 NGV	Other	\$21,491	\$2,575	\$24,066		2	80	\$24,066	16,161	\$1.49	\$0.14892
21	SC-12-S/L DG NonRes	Other	\$830,112	\$57,254	\$887,367	\$ 1,401.27	, 14	\$235,413	\$651,953	1,428,188	\$0.46	\$0.04565
22	SC-13 DG Res	Other	\$705	\$882	\$1,587	\$ 27.56	3	\$992	\$595	362	\$1.65	\$0.16456
23	NYSEG	Other	\$565,550	\$2,284	\$567,834	\$ 907.28	. 1	\$10,887	\$556,947	287,923		
24	Total	. []	\$180,761,621	\$224,663,191	\$405,424,812		626,683	\$160,661,938	\$244,762,874	115,423,334		
25									;			
5-		:		6					Year 3		4	
/7	SC-1 Kesidential	Kesidential	\$97,644,889	\$183,630,668	\$281,275,557	\$ 20.35	c,	\$142,278,511	\$138,997,045	53,030,994	\$2.62	\$0.26211
07	SC-2 Small General	Commercial	\$39,270,219	59,1/9,103	9/6,433,364		t, ' <del>1</del>	515,645,012	204,609,772	7052,000	\$2.99	\$0.29879
29	SC-3 Large General	Commercial	\$1,199,488	\$67,783	\$1,267,272			\$364,947	\$902,324	997,009	\$0.91	\$0.09050
30	SC-5 Firm Transport		\$8,947,705	\$355,449	\$9,303,153	\$ 619.74		\$1,175,027	\$8,128,126	8,015,083	\$1.01	\$0.10141
31	SC-7 Small Firm Transport		\$10,983,169	\$934,656	\$11,917,826	\$ 361.27	7	\$3,100,642	\$8,817,184	6,425,110	\$1.37	\$0.13723
32	SC-8 Standby Sales	Other	\$21,292,293	\$432,475	\$21,724,768	\$ 1,270.53	9	\$914,782	\$20,809,986	23,598,624	80.88	\$0.08818
33	SC-10 NGV	Other	\$21,491	\$2,575	\$24,066		2	80	\$24,066	16,161	\$1.49	\$0.14892
34	SC-12-S/L DG NonRes	Other	\$830,112	\$57,254	\$887,367	\$ 1,401.27	14	\$235,413	\$651,953	1,428,188	\$0.46	\$0.04565
35	SC-13 DG Res	Other	\$705	\$882	\$1,587	\$ 27.56	3	\$992	\$595	362	\$1.65	\$0.16456
36	NYSEG	Other	\$565,550	\$2,284	\$567,834	\$ 930.32	1	\$11,164	\$556,670	287,923		
37	Total	11	\$180,761,621	\$224,663,191	\$405,424,812		631,163	\$161,927,090	\$243,497,722	115,423,334		

### Niagara Mohawk Power Corporation d/b/a National Grid Development of Excelsior Jobs Program (EJP) Rates

	(1)	(2)	(3)	(4)		(5)		(6)	(7)
				Phased in EJI	P ra	tes (per th	erm)	)	
Service Classification	t Marginal / EJP (per therm)	sed Marginal Rate RY3 (per therm)	RY1	RY2		RY3		RY4	RY5
SC2	\$ 0.01400	\$ 0.29879	\$ 0.07096	\$ 0.12792	\$	0.18487	\$	0.24183	\$ 0.29879
SC3	\$ 0.00240	\$ 0.09050	\$ 0.02002	\$ 0.03764	\$	0.05526	\$	0.07288	\$ 0.09050
SC5	\$ 0.00540	\$ 0.10141	\$ 0.02460	\$ 0.04380	\$	0.06301	\$	0.08221	\$ 0.10141
SC7	\$ 0.00550	\$ 0.13723	\$ 0.03185	\$ 0.05819	\$	0.08454	\$	0.11088	\$ 0.13723
SC8	\$ 0.00550	\$ 0.08818	\$ 0.02204	\$ 0.03857	\$	0.05511	\$	0.07164	\$ 0.08818

- (1) Current EJP rates
- (2) As shown on Schedule 11.1
- (3) (Column 2 Column 1) / 5 + Column 1
- (4) (Column 2 Column 1) / 5 + Column 2
- (5) (Column 2 Column 1) / 5 + Column 3
- (6) (Column 2 Column 1) / 5 + Column 4
- (7) (Column 2 Column 1) / 5 + Column 5

### Niagara Mohawk Power Corporation d/b/a National Grid Illustrative example of ETIP Reconciliation

·		ET	ΓIP Targets			
Service						
Classification	<u>RY1</u>		RY2	RY3		<u>Total</u>
	(1)		(2)	(3)	(4)	=(1+2+3)
SC3	\$ 91,715	\$	92,014	\$ 91,202	\$	274,931
SC5	\$ 737,310	\$	745,438	\$ 753,056	\$	2,235,804
SC8	\$ 2,170,844	\$	2,198,305	\$ 2,222,913	\$	6,592,062

Act	ual ETIP Revo	enue		
RY1	RY2	RY3	Total (8)= (5+6+7) \$ 274,000 \$ 2,050,000 \$ 6,700,000	Variance
(5)	(6)	(7)		(9) = (8-4)
\$ 93,000	\$ 95,000	\$ 86,000		\$ (931)
\$ 700,000	\$ 750,000	\$ 600,000		\$ (185,804)
\$ 2,200,000	\$ 2,500,000	\$ 2,000,000		\$ 107,938

		E	TIP Reconciliati	on	
			Forecast Sales		ETIP
Service	Over/(Under)		(12 months	Re	concilation
Classification	Recovery		ended Apr '22)	Rate	e (per therm)
	(1)		(2)	(3	(1/2)
SC3	\$	(931)	9,920,000	\$	(0.0001)
SC5	\$ (18.	5,804)	81,900,000	\$	(0.0023)
SC8	\$ 10	7,938	243,000,000	\$	0.0004

## APPENDIX 4

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Electric Earnings Review - Individual Years for Earnings Sharing (Millions Dollars)

		Г		Three	Ye	ar Electric Set	tlem	ent		Stay-Out Period
		_		Year 1	-	Year 2		Year 3		Year 4
	Individual Years Earnings	Year:	T	ME Mar 31, 2019	T	ME Mar 31, 2020	Т	ME Mar 31, 2021		ar End Mar 31, 2022 Assumes new rates
										Eff Oct 1, 2022)
1 2	Rate Base		\$	5,260.7	\$	5,605.0	\$	5,951.8	\$	6,298.6
3	Common Equity (Rate base * The imputed common equity ratio of 48%)		\$	2,525.1	\$	2,690.4	\$	2,856.9	\$	3,023.3
4 5	ROE's filed in Earnings Reports to the PSC for each rate year			7.00%		9.80%		10.50%		5.41%
6	Subsequent minor revisions (see latest Earnings filing)			0.00%		0.00%		0.00%		0.00%
7	Actual ROE used in this filing			7.00%		9.80%		10.50%		5.41%
9 10	Actual (calculated) Net Income for CE		\$	176.8	\$	263.7	\$	300.0	\$	163.6
	ROE Sharing threshold (per JP - Section 5.3)			9.50%		9.50%		9.50%		9.50%
13										
14										
15 16	Earnings Sharing Calculation:									
17										
18				V 1		V 2		V2	5	Stay-Out - Period
19 20	Earnings Sharing Report is o	due by		<u>Year 1</u> 8/31/19		<u>Year 2</u> 8/31/20		<u>Year 3</u> 8/31/21		<u>Year 4</u> 8/31/22
21	Actual Net Income		\$	176.8		263.7		295.8	\$	144.7
	Adjustment to exclude amounts previously in excess of Earnings threshold		\$	- 1760	\$		\$	4.21	\$	18.87
	Adjusted Net Income  Common equity (after exclusion of Goodwill) at a 48% equity ratio - Stub Period		\$	176.8	\$	263.7	\$	300.0	\$ \$	163.6 3,023.3
	Operating Revenues Ratio (Apr-Sep)								φ	50.48%
	Common equity (after exclusion of Goodwill) at a 48% equity ratio		\$	2,525.1	\$	2,690.4	\$	2,856.9	\$	1,526.3
27	Actual ROE (Net Income / Equity)		_	7.00%	-	9.80%	-	10.50%	-	10.72%
	ROE Threshold (weighted avg) Difference			9.50% 2.50%		9.50%		9.50%		9.50% 1.22%
	Actual Common Equity		\$	-2.50% 2,525.1	\$	0.30% 2,690.4	\$	1.00% 2,856.9	\$	1,526.3
31	After-tax Earnings Between Threshold and 10.0%		\$	-	\$	8.1	\$	14.3	\$	7.6
	After-tax Earnings Between 10.0% and 10.5% After-tax Earnings Over 10.5%		\$ \$	-	\$ \$	-	\$ \$	14.3 0.0	\$ \$	7.6 3.3
	Deferral of 50% of amount Between Threshold and 10.0%, for benefit of Customers		\$	-	\$	4.1	\$	7.1	\$	3.8
	Deferral of 75% of amount Between 10.0% and 10.5%, for benefit of Customers		\$	-	\$	-	\$	10.7	\$	5.7
	Deferral of 90% of amount Over 10.5%  Total Deferral for benefit of Customers (after-tax \$)		<u>\$</u> \$	-	\$	4.06	\$	17.88	\$	3.0 12.55
	Combined Federal & State Income Tax Rate		Ψ	26.14%	φ	26.14%	φ	26.14%	φ	26.14%
	Deferral grossed up for income taxes (pre-tax \$)		\$	-	\$	5.5	\$	24.2	\$	17.0
	Carrying costs		\$	-	\$	0.15	\$	0.99	\$	2.19
	Total Deferral Including Carrying Costs	_	\$	-	\$	5.64	\$	25.19	\$	19.19
42	Cumulative Deferral		<b>3</b>	-	\$	5.64	3	30.83	\$	50.02
Line	Notes									
3	Actual ROE calculation will use an imputed common equity ratio					27		e 23 / Line 26	£ 1:	11
5	of 48% as described in JP Section 5.1 Original ROE's in annual Electric earnings filings for respective periods					28 29		ghted average of 27 - line 28	)1 111	ie 11
6	Impacts of ROE revisions shown in filing support (discovered after original filings)					30	App	propriate years		3 (Line 24 * Line 25
	Actual ROE used in the earnings sharing calculation									and 10.5% * Line 30
	Line 7 x Line 3 (ROE x CE) JP - Section 5.3					33				% and 10.5% * Line 0.5% * Line 30
	Appropriate years line 9	4.00				34	Lin	e 31 * 50%		
22	Adjustment to exclude amounts previously in excess of Earnings threshold (line 37 + lin Stay-Out Period - if deferral is recorded within the stub period, the previous deferral am		b	e removed				e 32 * 75% e 33 * 90%		
23	Line 21 + Line 22	.ount WI	00	c removed				e 34 + Line 35	+ Li	ne 36
24	Common Equity Ratio for Stub Period					38		eral rate 21.0%		1 NYS 6.5%
	Operating Income Ratio for Stub Period (Apr-Sep) Appropriate years line 3 (Line 24 * Line 25 for stub period)					39 40		e 37 / (1- Line : rving Costs at t		re-Tax Weighted Co
20						••		ance Net of De		

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas Earnings Review - Individual Years for Earnings Sharing (Millions Dollars)

Common Equity (Rate base * The imputed common equity ratio of 48%)   S			I		-	The -	V	Coo 5-41	****		_	Stav. Out Dania 1
Rate Base						nree			men		<u> </u>	
Common Equity (Rate base *The imputed common equity ratio of 48%)   S   591.3   S   635.1   S   687.3   S   739.4		Individual Years	Earnings Year:	T	ME Mar 31	,	TME	Mar 31,	T	ME Mar 31,	(A	ar End Mar 31, 2022 Assumes new rates
Common Equity (Rate base * The imputed common equity ratio of 48%)   S. 631.3   S. 637.3   S. 739.4	1 2	Rate Base		\$	1,231	.8 \$	\$	1,323.2	\$	1,431.8	\$	1,540.5
ROES   Blade in Earnings Reports of the PSC for each rate year   2,00%   2,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,00%   0,0	3	Common Equity (Rate base * The imputed common equity ratio of 48%)		\$	591	.3 5	\$	635.1	\$	687.3	\$	739.4
Actual ROE used in this filing	5	ROE's filed in Earnings Reports to the PSC for each rate year			7.00	1%		9.80%		10.50%		4.02%
Actual (calculated) Net Income for CE \$ 4.1.4 \$ 5.6.2 \$ 7.2.2 \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50% \$ 9.50%	6											
Actual (calculated) Net Income for CE	7 8	Actual ROE used in this filing			7.00	1%		9.80%		10.50%		4.02%
ROE Sharing threshold (per JP - Section 5.3)	9	Actual (calculated) Net Income for CE		\$	41	4 \$	\$	62.2	\$	72.2	\$	29.7
Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part   Part	11 12 13	ROE Sharing threshold (per JP - Section 5.3)			9.50	1%		9.50%		9.50%		9.50%
Actual Net Income	14 15	Earnings Sharing Calculation:										
Second   Paramings Sharing Report is due   Paramings Sharing Report is due   Paramings Sharing Report is due   Paramings Sharing Report is due   Paramings Sharing Report is due   Paramings Sharing Report is due   Paramings Sharing Report is due   Paramings Sharing Report is due   Paramings Sharing Report is due   Paramings Sharing Report is due to exclude amounts previously in excess of Earnings threshold   Sal 141,	17											
Actual Net Income	18 19				Year 1		Ye	ear 2		Year 3	2	
2 Aljustment to exclude amounts previously in excess of Earnings threshold   \$	20		Report is due by		8/31/19		8/3	31/20		8/31/21		8/31/22
3 Adjusted Net Income 4 Common equity (after exclusion of Goodwill) at a 48% equity ratio - Stub Period 5 Operating Revenues Ratio (Apr-Sep) 6 Common equity (after exclusion of Goodwill) at a 48% equity ratio 6 Common equity (after exclusion of Goodwill) at a 48% equity ratio 7 Operating Revenues Ratio (Apr-Sep) 6 Common equity (after exclusion of Goodwill) at a 48% equity ratio 7 Actual ROE (Net Income Paguity) 7 Actual ROE (Net Income Paguity) 7 Actual ROE (Net Income Paguity) 8 ROE Threshold (weighted avg) 9 Difference - 2.50% 9 50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50% 9.50												
Soperating Revenues Ratio (Apr-Sep)					41.			62.2			_	
6 Common equity (after exclusion of Goodwill) at a 48% equity ratio	24	Common equity (after exclusion of Goodwill) at a 48% equity ratio - Stub Peri	iod								\$	739.4
7 Rotal ROE (Net Income / Equity)         7,00%         9,79%         10,51%         10,65%           9 Difference         9,250%         9,50%         9,50%         9,50%         9,50%           10 Actual Common Equity         5,591,3         5,635,1         8,637,3         8,278,9           1 Affer-tax Earnings Between Threshold and 10,0%         5,591,3         5,631,1         8,637,3         8,218,9           2 Affer-tax Earnings Between 10,0% and 10,5%         5,00         5,00         3,44         1,44           4 Deferral of 50% of amount Between Threshold and 10,0%, for benefit of Customers         5,0         5,0         2,0         3,0         4,0           5 Deferral of 50% of amount Between 10,0% and 10,5%, for benefit of Customers         5,0         5,0         2,0         3,0         4,0           6 Deferral of 90% of amount Between 10,0% and 10,5%, for benefit of Customers         5,0         5,0         2,0         3,0         4,0         3,0         4,0         3,0         4,0         3,0         4,0         3,0         4,0         3,0         4,0         3,0         4,0         3,0         4,0         3,0         4,0         3,0         4,0         4,0         4,0         4,0         4,0         4,0         4,0         4,0         4,0										-0		
8 ROE Threshold (weighted avg) 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference 9 Difference				\$			\$		\$			
A ctual Common Equity		- · ·										
After-tax Earnings Between Threshold and 10.0% and 10.5%   \$ 1.4     After-tax Earnings Between 10.0% and 10.5%   \$ 2.   \$ 3.4   \$ 1.4     After-tax Earnings Between 10.0% and 10.5%   \$ 2.   \$ 3.4   \$ 1.4     After-tax Earnings Detween 10.0% and 10.5%   \$ 2.   \$ 2.   \$ 0.0   \$ 0.4     Deferral of 50% of amount Between Threshold and 10.0%, for benefit of Customers   \$ 2.   \$ 0.09   \$ 1.7   \$ 0.7     Deferral of 75% of amount Between 10.0% and 10.5%, for benefit of Customers   \$ 2.   \$ 0.09   \$ 1.7   \$ 0.7     Deferral of 90% of amount Detween 10.0% and 10.5%, for benefit of Customers   \$ 2.   \$ 0.09   \$ 1.7   \$ 0.7     Deferral of 90% of amount Detween 10.0% and 10.5%, for benefit of Customers   \$ 2.   \$ 0.09   \$ 1.00     Deferral of 90% of amount Over 10.5%   \$ 2.   \$ 0.00   \$ 0.4     Total Deferral for benefit of Customers (after-tax \$)   \$ 0.09   \$ 0.4     Deferral grossed up for income taxes (pre-tax \$)   \$ 0.09   \$ 0.4     Carrying costs   \$ 0.00   \$ 0.00   \$ 0.00     Deferral grossed up for income taxes (pre-tax \$)   \$ 0.00   \$ 0.00     Deferral grossed up for income taxes (pre-tax \$)   \$ 0.00   \$ 0.00     Deferral grossed up for income taxes (pre-tax \$)   \$ 0.00   \$ 0.00     Deferral grossed up for income taxes (pre-tax \$)   \$ 0.00   \$ 0.00     Deferral grossed up for income taxes (pre-tax \$)   \$ 0.00   \$ 0.00     Deferral grossed up for income taxes (pre-tax \$)   \$ 0.00   \$ 0.00     Deferral grossed up for income taxes (pre-tax \$)   \$ 0.00   \$ 0.00     Deferral grossed up for income taxes (pre-tax \$)   \$ 0.00   \$ 0.00     Deferral grossed up for income taxes (pre-tax \$)   \$ 0.00   \$ 0.00     Deferral grossed up for income taxes (pre-tax \$)   \$ 0.00   \$ 0.00     Deferral grossed up for income taxes (pre-tax \$)   \$ 0.00   \$ 0.00     Deferral grossed up for income taxes (pre-tax \$)   \$ 0.00   \$ 0.00     Deferral grossed up for income taxes (pre-tax \$)   \$ 0.00   \$ 0.00     Deferral grossed up for income taxes (pre-tax \$)   \$ 0.00   \$ 0.00     Deferral grossed up for income taxes (pre-tax \$)   \$ 0.00   \$ 0												
2 After-tax Earnings Between 10.0% and 10.5%					591							
Deferral of 50% of amount Between Threshold and 10.0%, for benefit of Customers   \$ \$ . 0.9   \$ . 1.7   \$ . 0.7					-			-				
					-			-				
Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Section   Sect					-							
S   Combined Federal & State Income Tax Rate   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%   26.14%					-							
Poberral grossed up for income taxes (pre-tax \$)   S	37	Total Deferral for benefit of Customers (after-tax \$)		\$	-	\$	\$	0.93	\$	4.33	\$	2.12
Carrying costs   Sample   Cost   Carrying costs   Sample   Carrying costs   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample   Sample				¢			r		¢			
1 Total Deferral Including Carrying Costs 2 Cumulative Deferral  Notes  8 Actual ROE calculation will use an imputed common equity ratio of 48% as described in JP Section 5.1  5 Original ROE's in annual Gas earnings filings for respective periods of 48% as described in the earnings sharing calculation in filing support (discovered after original filings) action 7 x Line 2 flame 27 line 28 weighted average of line 11 line 27 line 28 weighted average of line 11 line 27 line 28 line 27 line 28 line 27 line 28 line 27 line 28 line 27 line 28 line 27 line 28 line 27 line 28 line 27 Between Cap and 10.5% * Line 30 Line 7 x Line 3 (ROE x CE) 32 Line 27 Between Cap and 10.5% * Line 30 Line 7 x Line 3 (ROE x CE) 32 Line 27 Between 10.0% and 10.5% * Line 31 Appropriate years line 9  2 Adjustment to exclude amounts previously in excess of Earnings threshold (line 37 + Line 40) 35 Line 32 * 75% Stay-Out Period - if deferral is recorded within the stub period, the previous deferral amount will be removed 36 Line 33 * 90% 1 Line 34 + Line 35 + Line 36 Common Equity Ratio for Stub Period (Apr-Sep) 39 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37 / (1-Line 38) 1 Line 37				<u> </u>					_		_	
Re Notes  3 Actual ROE calculation will use an imputed common equity ratio of 48% as described in JP Section 5.1  5 Original ROE's in annual Gas earnings filings for respective periods of 48% as described in the earnings filings upport (discovered after original filings) of Impacts of ROE revisions shown in filing support (discovered after original filings) of Line 27 Between Cap and 10.5% * Line 28 Line 27 Between Cap and 10.5% * Line 30 Line 7 x Line 3 (ROE x CE) of Line 27 Between Cap and 10.5% * Line 30 Line 7 x Line 3 (ROE x CE) of Line 27 Between Line 30 Line 27 Between Line 30 Line 27 Between Line 30 Line 27 Between Line 30 Line 27 Between Line 30 Line 31 Line 27 Between Line 30 Line 31 Line 27 Between Line 30 Line 31 Appropriate years line 9 Line 30 Line 31 * 50% Stay-Out Period - if deferral is recorded within the stub period, the previous deferral amount will be removed Stay-Out Period - if deferral is recorded within the stub period, the previous deferral amount will be removed Line 31 * Line 31 * 50% Line 33 * 90% Line 31 * Line 31 * 50% Line 31 * 50% Line 31 * Line 31 * Some Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * Line 31 * L	41			_	-				_		_	
Actual ROE calculation will use an imputed common equity ratio of 48% as described in JP Section 5.1  Original ROE's in annual Gas earnings filings for respective periods  Impacts of ROE revisions shown in filing support (discovered after original filings)  Actual ROE used in the earnings sharing calculation  Line 7 x Line 3 (ROE x CE)  Line 7 x Line 3 (ROE x CE)  Line 27 Between Cap and 10.5% * Line 30  Line 7 x Line 3 (ROE x CE)  Adjustment to exclude amounts previously in excess of Earnings threshold (line 37 + Line 40)  Stay-Out Period - if deferral is recorded within the stub period, the previous deferral amount will be removed  Line 21 + Line 22  Common Equity Ratio for Stub Period  Appropriate years line 3 (Line 24 * Line 25 for stub period)  Appropriate years line 3 (Line 23 / Line 24 / Line 26 / Line 37 / (1- Line 38))  Line 31 / (1- Line 38)  Carrying Costs at the Pre-Tax Weighted Cost	42		•	\$	-	\$	\$	1.29	\$	7.43	\$	10.82
of 48% as described in JP Section 5.1  28 weighted average of line 11  50 Original ROE's in annual Gas earnings filings for respective periods  51 Impacts of ROE revisions shown in filing support (discovered after original filings)  52 Actual ROE used in the earnings sharing calculation  53 Line 27 Between Cap and 10.5% * Line 30  54 Line 7 x Line 3 (ROE x CE)  55 Line 27 Between Cap and 10.5% * Line 30  56 Line 7 x Line 3 (ROE x CE)  57 Actual ROE used in the earnings sharing calculation  58 Line 27 Between 10.0% and 10.5% * Line 30  59 Line 27 Between 10.0% and 10.5% * Line 30  50 Line 27 Between 10.0% and 10.5% * Line 30  50 Line 27 Between 10.0% and 10.5% * Line 30  51 JP - Section 5.3  52 Line 27 Between 10.0% and 10.5% * Line 30  53 Line 27 Greater than 10.5% * Line 30  54 Line 31 * 50%  55 Line 32 * 75%  56 Stay-Out Period - if deferral is recorded within the stub period, the previous deferral amount will be removed  56 Common Equity Ratio for Stub Period  57 Operating Income Ratio for Stub Period (Apr-Sep)  58 Appropriate years line 3 (Line 24 * Line 25 for stub period)  59 Carrying Costs at the Pre-Tax Weighted Cost	Line	Notes										
5 Original ROE's in annual Gas earnings filings for respective periods 5 Impacts of ROE revisions shown in filing support (discovered after original filings) 6 Impacts of ROE revisions shown in filing support (discovered after original filings) 7 Actual ROE used in the earnings sharing calculation 8 Line 7 x Line 3 (ROE x CE) 9 Line 7 x Line 3 (ROE x CE) 11 P - Section 5.3 12 Appropriate years line 9 13 Line 27 Greater than 10.5% * Line 30 14 Appropriate years line 9 15 Adjustment to exclude amounts previously in excess of Earnings threshold (line 37 + Line 40) 16 Stay-Out Period - if deferral is recorded within the stub period, the previous deferral amount will be removed 17 Line 21 + Line 22 18 Federal rate 21.0% and NYS 6.5% 18 Federal rate 21.0% and NYS 6.5% 19 Operating Income Ratio for Stub Period (Apr-Sep) 19 Carrying Costs at the Pre-Tax Weighted Cost	3										61.	
Impacts of ROE revisions shown in filing support (discovered after original filings)  Appropriate years line 3 (Line 24 * Line 25 Actual ROE used in the earnings sharing calculation  Line 7 x Line 3 (ROE x CE)  Line 7 x Line 3 (ROE x CE)  Line 27 Between Cap and 10.5% * Line 30 Line 27 Between 10.0% and 10.5% * Line 31 Line 27 Greater than 10.5% * Line 31 Line 27 Greater than 10.5% * Line 30 Line 27 Greater than 10.5% * Line 30 Line 27 Greater than 10.5% * Line 30 Line 31 * 50%  Appropriate years line 9  Adjustment to exclude amounts previously in excess of Earnings threshold (line 37 + Line 40)  Stay-Out Period - if deferral is recorded within the stub period, the previous deferral amount will be removed  Line 31 * 50%  Line 32 * 75%  Stay-Out Period - if deferral is recorded within the stub period, the previous deferral amount will be removed  Line 31 * Line 33 * 90%  Line 37 + Line 36  Line 37 + Line 36  Line 37 / (1-Line 38)  Appropriate years line 3 (Line 24 * Line 25 for stub period)  Appropriate years line 3 (Carrying Costs at the Pre-Tax Weighted Co	5										OI III	ie II
Line 7 x Line 3 (ROE x CE)  Line 27 Between 10.0% and 10.5% * Line 3  Line 27 Greater than 10.5% * Line 3  Line 27 Greater than 10.5% * Line 30  Line 27 Between 10.0% and 10.5% * Line 30  Line 27 Greater than 10.5% * Line 30  Line 31 * 50%  Line 32 * 75%  Stay-Out Period - if deferral is recorded within the stub period, the previous deferral amount will be removed  Line 31 * 50%  Line 32 * 75%  Line 33 * 90%  Line 34 + Line 35 + Line 36  Line 34 + Line 35 + Line 36  Common Equity Ratio for Stub Period  Operating Income Ratio for Stub Period (Apr-Sep)  Appropriate years line 3 (Line 24 * Line 25 for stub period)  Appropriate years line 3 (Line 24 * Line 25 for stub period)			lings)								line	3 (Line 24 * Line 25
1 JP - Section 5.3 1 Appropriate years line 9 2 Adjustment to exclude amounts previously in excess of Earnings threshold (line 37 + Line 40) 35 Line 32 * 75% Stay-Out Period - if deferral is recorded within the stub period, the previous deferral amount will be removed 36 Line 33 * 90% 37 Line 34 + Line 35 + Line 36 4 Common Equity Ratio for Stub Period 5 Operating Income Ratio for Stub Period (Apr-Sep) 6 Appropriate years line 3 (Line 24 * Line 25 for stub period) 4 Carrying Costs at the Pre-Tax Weighted Co												
1 Appropriate years line 9 2 Adjustment to exclude amounts previously in excess of Earnings threshold (line 37 + Line 40) 35 Line 32 * 75% Stay-Out Period - if deferral is recorded within the stub period, the previous deferral amount will be removed 36 Line 33 * 90% 37 Line 34 + Line 35 + Line 36 4 Common Equity Ratio for Stub Period 5 Operating Income Ratio for Stub Period (Apr-Sep) 6 Appropriate years line 3 (Line 24 * Line 25 for stub period) 4 Carrying Costs at the Pre-Tax Weighted Co		· · · · · · · · · · · · · · · · · · ·										
Stay-Out Period - if deferral is recorded within the stub period, the previous deferral amount will be removed 36 Line 31 + Line 22 37 Line 34 + Line 35 + Line 36 4 Common Equity Ratio for Stub Period 5 Operating Income Ratio for Stub Period (Apr-Sep) 6 Appropriate years line 3 (Line 24 * Line 25 for stub period) 40 Carrying Costs at the Pre-Tax Weighted Co											1	
3 Line 21 + Line 22 37 Line 34 + Line 35 + Line 36 4 Common Equity Ratio for Stub Period 5 Operating Income Ratio for Stub Period (Apr-Sep) 6 Appropriate years line 3 (Line 24 * Line 25 for stub period) 38 Federal rate 21.0% and NYS 6.5% 39 Line 37 / (1- Line 38) 40 Carrying Costs at the Pre-Tax Weighted Co	22			211.1								
4 Common Equity Ratio for Stub Period 38 Federal rate 21.0% and NYS 6.5% 5 Operating Income Ratio for Stub Period (Apr-Sep) 39 Line 37 / (1- Line 38) 6 Appropriate years line 3 (Line 24 * Line 25 for stub period) 40 Carrying Costs at the Pre-Tax Weighted Co	23	•	eierrai amount w	ılı b	e removed						+ I i	ne 36
6 Appropriate years line 3 (Line 24 * Line 25 for stub period) 40 Carrying Costs at the Pre-Tax Weighted Co	24	Common Equity Ratio for Stub Period										
		1 0										
Balance Net of Deferred Taxes	26	Appropriate years line 3 (Line 24 * Line 25 for stub period)										

## APPENDIX 5

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Forecast Balances of Electric Rate Base Regulatory Assets & Liabilities For the Rate Year Ending March 31, 2019 (\$000's)

<u>Activity</u>	<u>Description</u>		Avg Bal 12/31/2016	В	Actual alance at 1/31/2016	В	Forecast alance at /31/2018	Mechanism Ongoing/ Discontinued/ <u>Proposed</u>	Carrying <u>Charges</u>
Regulatory As	sets & Liabilities with Proposed Surcharge	with No In	terest EXCLU	DED f	rom Rate Ba	se			
2540583 2540584	Pens Exp Defrd-El OPEB Exp Defrd-El	\$	10,133 (76,148)	\$	16,362 (69,792)	\$	34,178 (54,976)	Ongoing Ongoing	None None
Total of Accou	nts w/ Recovery but NOT in Rate Base	\$	(66,016)	\$	(53,430)	\$	(20,798)		
Regulatory As	sets & Liabilities with Proposed Surcharge	with Interes	t EXCLUDED	) in Ra	te Rase				
1823006	Storm Fund - Deficit	\$	96,143	\$	95,189	\$	95,189	Ongoing	Yes - Pre-Tax WACC
1823012	Revenue Decoupling		8,479		-		-	Ongoing	Yes - Pre-Tax WACC
1823192	Def Sum 10-E-0050		3,149		3,149		3,149	Discontinued	Yes - Pre-Tax WACC
1823194	MFC-Merch Func Charg		574		302		302	Ongoing	Yes - Pre-Tax WACC
1823291	Leg Trans Charge		768		1 472		-	Ongoing	Yes - Pre-Tax WACC
1823292 1823574	Elec Supp Rec Mech Vegetation Mgmt Def		1,680 16,177		1,472 16,159		1,472 16,159	Ongoing Discontinued	Yes - Pre-Tax WACC Yes - Pre-Tax WACC
1823599	DunkirkII Def-Excess		281		10,139		10,139	Discontinued	N/A
1823601	Dunkirk Settl Def		57,000		57,000		57,000	Discontinued	Yes - Pre-Tax WACC
1823610	Demand Response Prog		288		968		968	Ongoing	Yes - Pre-Tax WACC
2540075	Temp Assessmnt 18-A		(3,604)		(2,937)		(2,937)	Discontinued	Yes - Pre-Tax WACC
2540161	EE Surcharge-Elec		(4,731)		(4,821)		(4,821)	Ongoing	Yes - Pre-Tax WACC
2540170	OBR EE Fund Oblig		(8,071)		(8,261)		(8,261)	Ongoing	Yes - Pre-Tax WACC
2540195	RDM-Electric		(1,034)		570		570	Ongoing	Yes - Pre-Tax WACC
2540232	Cap Tracker-Gas		(6,077)		-		-	Ongoing	Yes - Pre-Tax WACC
2540240	Affordability Progrm		(1,982)		(2,287)		(3,245)	Discontinued <sup>1</sup>	Yes - Pre-Tax WACC
2540260	Gen Stranded Cst Adj		(2,526)		(2,759)		(2,759)	Ongoing	Yes - Pre-Tax WACC
2540292	Elec Sup Rec Mech		(2,084)				<del>.</del>	Ongoing	Yes - Pre-Tax WACC
2540314	Excess Storm Reserve		(126,639)		(141,139)		(141,139)	Ongoing	Yes - Pre-Tax WACC
2540319 2540488	Cap Tracker-Electric Debt True up-Elect		(11,025)		(19,182)		(16,682)	Ongoing Ongoing	Yes - Pre-Tax WACC Yes - Pre-Tax WACC
2540488	Consumr Serv Advocat		(38,061) (90)		(45,909) (90)		(58,617) (90)	Discontinued	Yes - Pre-Tax WACC
2540493	Def Chrg 10-E-0050		(11,783)		(20,966)		(32,849)	Ongoing	Yes - Pre-Tax WACC
2540500	Sale of Allow-Albany		(1,718)		(1,770)		(1,770)	Discontinued	Yes - Pre-Tax WACC
2540501	Cln Air Auctn Procds		(162)		(167)		(167)	Discontinued	Yes - Pre-Tax WACC
2540513	NIMO-El CUSTOMER Srv		(10,495)		(13,329)		(13,329)	Ongoing	Yes - Pre-Tax WACC
2540521	NIMO-SBC Prg Cost		(2,766)		-		-	Ongoing	N/A
2540531	NIMO-DIANA-DOLGEVILL		(3,500)		(3,500)		(3,500)	Discontinued	Yes - Pre-Tax WACC
2540541	NIMO-Trnsm Rev AdjCl		(85,201)		(82,201)		(77,319)	Ongoing	Yes - Pre-Tax WACC
2540547	NYS Sales Tax Refund		(864)		(864)		(864)	Discontinued	Yes - Pre-Tax WACC
2540548	Economic Development		(67,767)		(75,773)		(94,167)	Ongoing	Yes - Pre-Tax WACC
2540556 2540559	Bonus Depr Adj Elec Bonus Dep Adj Gas		(464) (159)		(3,070)		(9,699)	Discontinued Discontinued	Yes - Pre-Tax WACC Yes - Pre-Tax WACC
2540560	Int Reserve CarryChg		(50,829)		(50,829)		(50,829)	Ongoing	N/A
2540578	Curtailment		(293)		(293)		(293)	Discontinued	Yes - Pre-Tax WACC
2540579	Oswego PPA Reg Liab		(7,312)		(6,740)		(6,740)	Ongoing	Yes - Pre-Tax WACC
2540585	Low Inc Allow Disc		(5,431)		(6,655)		(9,365)	Ongoing	Yes - Pre-Tax WACC
2540586	SIR Expd Dfrd Elec		(39,174)		(45,882)		(64,412)	Ongoing	Yes - Pre-Tax WACC
2540591	Legacy Trans Charge		(1,043)		(2,406)		(2,406)	Ongoing	Yes - Pre-Tax WACC
2540599	DunkirkII Def-Excess		(1,277)		(1,329)		(1,329)	Discontinued	Yes - Pre-Tax WACC
2540602	NYPA Repl PowAndExp		(4,928)		(4,928)		(4,928)	Ongoing	Yes - Pre-Tax WACC
2540604	Hydro One Network		(2,049)		(2,020)		(2,020)	Discontinued	Yes - Pre-Tax WACC
2540610 2540614	Demand Response Prog NUPD-Mec-E-15-M-0744		(7) 7,953		31,863		114,836	Ongoing Ongoing	N/A Yes - Pre-Tax WACC
2540705	Economic Develop Gra		(3,826)		(2,981)		(3,731)	Ongoing	Yes - Pre-Tax WACC
2540709	Property Tax Exp Def		(7,345)		(5,506)		5,751	Ongoing	Yes - Pre-Tax WACC
2540713	NYPA Discount Rec De		(792)		(1,401)		(1,401)	Ongoing	Yes - Pre-Tax WACC
2540714	Trans Tower Painting		(507)		(20)		(32)	Discontinued	Yes - Pre-Tax WACC
2540715	Sub-Trans Tower Pain		(1,215)		(1,257)		(1,188)	Discontinued	Yes - Pre-Tax WACC
2540716	Trans Footer Insp Ex		(570)		(390)		(400)	Discontinued	Yes - Pre-Tax WACC
2540717	Sub-Trans Footer Ins		(128)		(114)		(114)	Discontinued	Yes - Pre-Tax WACC
2540727	Bonus Dep Adjustment		(4)		-		-	Discontinued	N/A
2540732	Excess Voltage Test		(8,685)		(11,706)		(15,288)	Discontinued	Yes - Pre-Tax WACC
2540737	CEF Def-Elec		(112,250)		(197,107)		(197,107)	Ongoing	Yes - Pre-Tax WACC
1823312	REV Demo Recov-OAn		32		274		3,283	Ongoing	Yes - Pre-Tax WACC
No Number 1 No Number 2	LED Streetlighting Emerald Ash Borer Tree Removal		-		-		3,192	Proposed	N/A N/A
no number 2	Emerdia Asii doler 1fee Kemovai					_	11,667	Proposed	N/A
	nts w/ Recovery but NOT in Rate Base included in Surcharge	\$	(445,945)	\$	(563,641)	\$ \$	(520,256) (541,054)		

<sup>\* -</sup> The accounts identified as "Discontinued" will be discontinued as of the Effective Date. The discontinuance of these accounts is not intended to preclude the Company from returning to or recovering from customers the balances as of March 31, 2018 plus any applicable carrying charges.

<sup>&</sup>lt;sup>1</sup>The program is closed to new customers and is gradually being phased out for existing customers. As set forth in Section 13.1 of the Joint Proposal, the Company will continue to defer costs associated with the Affordability program until existing customers complete, default, or voluntarily remove themselves from the program.

## Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Forecast Balances of Electric Rate Base Regulatory Assets & Liabilities For the Rate Year Ending March 31, 2019 (\$000's)

<u>Activity</u>	<u>Description</u>	Avg Bal <u>HYE 12/31/2016</u>		Actual Salance at 2/31/2016	В	Forecast salance at /31/2018	Mechanism Ongoing/ Discontinued/ Proposed	Carrying <u>Charges</u>
Other Regulat	ory Assets & Liabilities Included in Rate Ba	ise						
1823024	Enhanced Syrnce Plan	\$	(0)	\$ -	\$	-		None
1823204	Exc AFDC-Elec Plant		119	110		88	Discontinued	None
1823214	Excs AFUDC-Elec Plnt		429	420		395	Discontinued	None
1823251	Mergr Emp Sepn costs		0	0		0	Discontinued	None
1823707	Rate Case Exp 17-E-0		21	-		2,241	Ongoing	None
2540095	RPS Progm Cost Def		(1,612)	-		-	Discontinued	None
2540504	Gain on Redemp-8.35		2	-		-	Discontinued	None
2540538	NIMO-Enhanced SBC Pr		(7,104)	-		-	Discontinued	None
2540572	Voltage Migration Fe		(10)	(9)		(11)	Ongoing	None
2540707	Rate Case Exp 12-E-0		(46)	-		-	Discontinued	None
1823XXX	Management Audit Amort		-	-		336	Ongoing	None
Subtotal Other	Reg. Assets in Rate Base	\$	(8,201)	\$ 521	\$	3,050		
1823005 1823043 1823070 1823071 1823071 1823089 1823158 1823159 1823250 2540089 2540569 2540571	cry Assets & Liabilities Excluded from Rate Envir SIR Res Offset Asset Ret Obligation Gas Futures-Supply Elec Swaps-Supply Commodity Timing Impact FAS158-Pension FAS158-OPEB Pen/FAS106 Purch Commodity Timing Impact Gas Futures-Gas Sply Elec Swaps-Elec Sply	\$	313,180 5,724 (1,169) 73,991 4,241 217,556 307,797 (0) (1,481) 30 (10,656)	\$ 314,704 6,251 (1,440) 47,225 12,566 202,476 279,849 - - 38 (3,318)	\$	314,704 6,251 (1,440) 47,225 12,566 202,476 279,849 - - 38 (3,318)	Ongoing Ongoing Ongoing Ongoing Ongoing Ongoing Ongoing Ongoing Ongoing Ongoing Ongoing Ongoing Ongoing	N/A N/A N/A N/A N/A N/A N/A N/A N/A
Total of Other	Reg. Assets Excluded from Rate Base	\$	909,214	\$ 858,351	\$	858,351		
Other Assets &	Liabilities Included in Rate Base							
1730000	Unbilled Revenu Elec	\$	95,754	\$ 97,592	\$	97,592	Ongoing	None
1810000	Unamortized Debt Exp		17,097	16,222		14,012	Ongoing	None
1890000	UnamorLoss Rac Debt		10,220	9,472		7,867	Ongoing	None
2420180	TCC Auction Rev		(57,479)	(77,987)		(40,378)	Ongoing	None
2530250	NIMO-Nuclear Fuel Di		(168,111)	(168,348)		(169,480)	Ongoing	None
1823270	NYPA Hydro Benefit		238	118		118	Ongoing	None
2540580	Hydropower Benefit		(13)	_		_	Discontinued	None
x	Transmission Development Costs		-	-		4,615	Proposed	None
Subtotal Other	Reg. Liabilities in Rate Base	\$	(102,293)	\$ (122,930)	\$	(85,653)		
Net Reg Assets	s & Liabilities Included in Rate Base	\$	(110,495)	\$ (122,409)	\$	(82,603)		

<sup>\* -</sup> The accounts identified as "Discontinued" will be discontinued as of the Effective Date. The discontinuance of these accounts is not intended to preclude the Company from returning to or recovering from customers the balances as of March 31, 2018 plus any applicable carrying charges.

# Niagara Mohawk Power Corporation (d/b/a National Grid) PSC Case 17-E-0238 & 17-G-0239 Example of Carrying Charges on Deferrals (\$000's)

(c)

(d)

(86,199.65)

(e)

#### ELECTRIC EXAMPLE

(a)

<u>Month</u>	Beginning <u>Balance</u>	Spending in Excess of <u>Threshold</u>	Interest Rate 8.07%	<u>Interest</u>	Ending Balance
Apr-18	-	(500,000.00)	0.67%	(1,241.18)	(500,000.00)
May-18	(500,000.00)	(375,000.00)	0.67%	(3,413.23)	(875,000.00)
Jun-18	(875,000.00)	(600,000.00)	0.67%	(5,833.53)	(1,475,000.00)
Jul-18	(1,475,000.00)	(400,000.00)	0.67%	(8,315.88)	(1,875,000.00)

(b)

Aug-18 (1,875,000.00)(350,000.00)0.67% (10,177.64)(2,225,000.00)Sep-18 (2,225,000.00)(275,000.00)0.67%(11,729.11)(2,500,000.00)Oct-18 (2,500,000.00)150,000.00 0.67% (12,039.40)(2,350,000.00)Nov-18 (2,350,000.00)450,000.00 0.67% (10,549.99)(1,900,000.00)Dec-18 (8,315.88) (1,900,000.00)450,000.00 0.67% (1,450,000.00)Jan-19 350,000.00 0.67% (1,450,000.00)(6,330.00)(1,100,000.00)Feb-19 (1,100,000.00)300,000.00 0.67% (4,716.47)(800,000.00)Mar-19 (800,000.00)175,000.00 0.67% (3,537.35)(625,000.00)

#### **Column Notes:**

Column (a)	Prior month Column (e)
Column (b)	Actual monthly deferred spending
Column (c)	Pre-Tax WACC divided by 12
Column (d)	Column (c) times (Column (a) + Column (b) / 2) * 73.8650%
Column (e)	Column (a) + Column (b) - NOTE interest will be booked it a separate deferral account with interest

**Note:** This example calculation is for a deferral that carrying charges can be calculated monthly. Some carrying charges will be applied on an annual basis and would use the annual carrying charge rate.

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Electric Pension and OPEB Expense (\$000's)

#### **Electric PENSION EXAMPLE**

		 ric Pension Year One	 ic Pension Year Two	 ric Pension Year Three
1	Actual Expense	\$ 39,000	\$ 8,000	\$ 1,000
2	Rate Allowance	\$ 33,185	\$ 8,852	\$ 744
3	Amount Deferred to (from) customers	\$ (5,815)	\$ 852	\$ (256)

#### Notes (by line number)

- 1 Actual expense calculated in accordance with Appendix 9
- 2 Forecasted Rate Year expense. See Page 2 of 2, Line 5
- 3 Line 2 less Line 1

#### **Electric OPEB EXAMPLE**

		Electric OPEB Rate Year One		tric OPEB Year Two	Electric OPEB Rate Year Three		
4	Actual Expense	\$ 17,000	\$	15,000	\$	5,000	
5	Rate Allowance	\$ 17,591	\$	11,167	\$	2,178	
6	Amount Deferred to (from) customers	\$ 591	\$	(3,833)	\$	(2,822)	

#### Notes (by line number)

- 4 Actual expense calculated in accordance with Appendix 9
- 5 Forecasted Rate Year expense. See Page 2 of 2, Line 11
- 6 Line 5 less Line 4

Appendix 5 Schedule 3 Page 2 of 2 Case 17-E-0238 & 17-G-0239

> Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Pension & OPEB Expense Final Settlement (\$000's)

		Rate Year E	Rate Year Ending March 31, 2019	31, 2019	Data Year E	Data Year Ending March 31, 2020	31, 2020	Data Year I	Data Year Ending March 31, 2021	1, 2021
		Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas
Pension	I			1						
	Term Sheet (Sched 16)	38,688.44	32,498.3	6,190.2	8.069,6	8,140.2	1,550.5	ı	ı	
	Other Initiatives (Sched 27)	580.87	388.5	192.4	864.7	563.5	301.2	978.5	9'.299	310.9
	OPEX Assoc with CAPEX (Sched 27)	298.07	298.1	•	147.9	147.9	1	7.97	76.7	ı
	Total	39,567.4	33,184.8	6,382.5	10,703.3	8,851.6	1,851.7	1,055.2	744.3	310.9
OPEB										
	Term Sheet (Sched 11)	19,860.2	16,682.5	3,177.6	12,180.6	10,231.7	1,948.9	1,451.3	1,219.1	232.2
	Other Initiatives (Sched 27)	744.2	497.7	246.5	1,107.7	721.9	385.8	1,253.6	855.3	398.3
	OPEX Assoc with CAPEX (Sched 27)	410.3	410.3	-	213.7	213.7	1	103.4	103.4	-
	Total	21,014.7	17,590.6	3,424.1	13,502.1	11,167.3	2,334.7	2,808.3	2,177.8	630.5

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Electric Energy Affordability Discount Program (\$000's)

#### ELECTRIC EXAMPLE 1

EEE	THE ENTINE ELE	Electric Year One	Electric Year Two	Electric Year Three
1	Actual Discounts Provided	\$ 57,300	\$ 55,900	\$ 56,800
2	Amount of Discounts in Rate Allowance	\$ 56,594	\$ 56,594	\$ 56,594
3	Difference	\$ (706)	\$ 694	\$ (206)
4	3 Year Cumulative Actual Discounts Provided	\$ 170,000		
5	3 Year Cumulative Rate Allowance	\$ 169,783		
6	Difference - underspend / (overspend)	\$ (217)		
7	Deferral for future recovery from Customers	\$ (217)		

#### ELECTRIC EXAMPLE 2

		Electric e Year One	Electric Year Two	Electric Year Three
1	Actual Discounts Provided	\$ 55,800	\$ 56,500	\$ 56,900
2	Amount of Discounts in Rate Allowance	\$ 56,594	\$ 56,594	\$ 56,594
3	Difference	\$ 794	\$ 94	\$ (306)
4	3 Year Cumulative Actual Discounts Provided	\$ 169,200		
5	3 Year Cumulative Rate Allowance	\$ 169,783		
6	Difference - underspend / (overspend)	\$ 583		
7	Deferral for future use in a Low Income Program	\$ 583		

#### Notes (by line number)

- 1 Input Actual Discounts provided to customers
- 2 Rate Year expense per Case No. 14-M-0565
- 3 Line 2 less Line 1
- 4 Sum Line 1 for Rate Years 1-3
- Sum Line 2 for Rate Years 1-3
- 6 Line 5 less Line 4

If cumulative actual discounts for Rate Years 1-3 are less than cumulative rate allowances for same period, then amount is deferred for furture use in a Low Income Program. If actual discounts exceed the cumulative rate allowance for Rate Years 1-3, the amount will be deferred for future recovery from

7 customers

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Electric Economic Development Discount Programs (\$000's)

#### ELECTRIC EXAMPLE

	THIC EARNIE LE	Electric Year One	Electric Year Two	Electric Year Three
1	Actual Discounts Provided	\$ 2,250	\$ 2,000	\$ 1,800
2	Amount of Discounts in Rate Allowance:			
3	SC12 Discounts	\$ (177)	\$ 70	\$ 70
4	Empire Zone Rider (EZR) Discount	\$ 2,000	\$ 1,600	\$ 1,100
5	Excelsior Job Programs (EJP) Discount	\$ 370	\$ 450	\$ 551
6	Total forecasted SC12, EZR, and EJP Discounts	\$ 2,193	\$ 2,120	\$ 1,721
7	Amount Deferred to customers / (due from customers)	\$ (57)	\$ 120	\$ (80)

#### Notes (by line number)

- Input Actual Customer EZR, EJP, & SC12 Discounts provided
- 3
- Forecasted SC12 Rate Year Discounts. See Page 2 of 2, Line 1 Forecasted EZR Rate Year Discounts. See Page 2 of 2, Line 2
- Forecasted EJP Rate Year Discounts. See Page 2 of 2, Line 3
- Line 3 + Line 4 + Line 5 Line 6 less Line 1

### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Electric Economic Development Discount Program Whole Dollars

#### **ELECTRIC**

Lines 1 2 3 4	Annual Discounts SC12 Discounts Empire Zone Rider (EZR) Discount Excelsior Job Program (EJP) Discount Total SC12, EZR, and EJP Discounts - Annual	Fiscal Year 2019  (\$176,667) \$2,000,000 \$370,000 \$2,193,333	Fiscal Year 2020  \$69,722 \$1,600,000 \$450,000 \$2,119,722	Fiscal Year 2021  \$69,722 \$1,100,000 \$550,800 \$1,720,522
5	Monthly Discount Target SC12 Discounts Empire Zone Rider (EZR) Discount	(\$14,722) \$166,667	\$5,810 \$133,333	\$5,810 \$91,667
7 8	Excelsior Job Program (EJP) Discount Total SC12, EZR, and EJP Discounts - Monthly	\$30,833 \$182,778	\$37,500 \$176,644	\$45,900 \$143,377

Line 1: Customers' Contract Costs - Customers' Delivery Charges at Standard Tariff Rates

Line 2: Historic actual EZR discounts adjusted for newly certified EZR estimated load

Line 3: Forecasted EJP discounts Line 4: Line 1 + Line 2 + Line 3

Line 5: Line 1 / 12 Months

Line 6: Line 2 / 12 Months

Line 7: Line 3 / 12 Months

Line 8: Line 5 + Line 6 + Line 7

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Electric Economic Development Grant Program (\$000's)

#### **ELECTRIC EXAMPLE 1**

<u> ZZZC</u>		Electric Year One	Electric Year Two	Electric Year Three
1	Actual Expense	\$ 12,000	\$ 10,000	\$ 11,500
2	Rate Allowance	\$ 11,000	\$ 11,000	\$ 11,000
3	Difference	\$ (1,000)	\$ 1,000	\$ (500)
4	3 Year Cumulative Actuals	\$ 33,500		
5	3 Year Cumulative Rate Allowance	\$ 33,000		
6	Difference - underspend / (overspend)	\$ (500)		
7	Deferral	\$ -		

#### **ELECTRIC EXAMPLE 2**

<u> LLC</u>	THE BANK BE D	Electric Year One	Electric Year Two	Electric Year Three
1	Actual Expense	\$ 10,500	\$ 11,200	\$ 11,200
2	Rate Allowance	\$ 11,000	\$ 11,000	\$ 11,000
3	Difference	\$ 500	\$ (200)	\$ (200)
4	3 Year Cumulative Actuals	\$ 32,900		
5	3 Year Cumulative Rate Allowance	\$ 33,000		
6	Difference - underspend / (overspend)	\$ 100		
7	Deferral - Due to Customers	\$ 100		

#### Notes (by line number)

- 1 Inputs Actual Costs
- 2 Rate Allowance See Schedule 39
- 3 Line 2 less Line 1
- 4 Sum Line 1 for Rate Years 1-3
- 5 Sum Line 2 for Rate Years 1-3
- 6 Line 5 less Line 4

If cumulative actual costs for Rate Years 1-3 are less than cumulative rate allowances for same period, then Deferral Credit to Customer will be equal to the cumulative amount underspent. If actual costs exceed cumulative rate allowance for Rate Years 1-3,

7 there will be no Deferral.

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Electric Auction Debt True-up (\$000's)

#### ELECTRIC EXAMPLE

<u>JEEC</u>	STATE ETH WHILE	lectric Year One
1	Actual Interest Expense	\$ 17,000
2	Annual Rate Allowance	\$ 17,257
3	Amount Deferred to (from) customers	\$ 257

#### Notes (by line number)

- 1 Input Hypothetical Actual Interest Costs
- 2 Forecasted Rate Year interest expense. See Page 2 of 2
- 3 Line 2 less Line 1

Case 17-E-0238 & 17-G-0239 Appendix 5 Schedule 7 Page 2 of 2

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Debt Rates Weighted Average Cost of Auction Debt (Electric) (\$000's)

LONG-TERM DEBT	Maturity Date	Principal Amount	Test Year Effective Rate	Change in Variable Rate	Rate Year 1 Effective Rate	Rate Year 1 Interest
1988 Series A Pollution Control Revenue Bonds	12/1/2023	69,800	1.69%	3.31%	4.99%	3,485
1985 Series B Pollution Control Revenue Bonds	12/1/2025	75,000	1.55%	3.29%	4.84%	3,630
1986 Series A Pollution Control Revenue Bonds	12/1/2026	50,000	1.62%	3.33%	4.95%	2,476
1987 Series A Pollution Control Revenue Bonds	3/1/2027	25,760	1.47%	3.33%	4.80%	1,236
1987 Series B Pollution Control Revenue Bonds	7/1/2027	93,200	1.62%	3.33%	4.95%	4,614
2004 Series A Pollution Control Revenue Bonds	7/1/2029	115,705	1.76%	3.31%	5.06%	5,857
		\$429,465	1.65%		4.96%	21,298
Electric Rate Base						5,260,727
Total Rate Base						6,492,510
Electric Allocation						81.03%
Electric Interest						17,257

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Electric Long-Term Debt True-up (\$000's)

#### ELECTRIC EXAMPLE

		Electric Rate Year One	Electric e Year Two	Ra	Electric te Year Three
1	Long Term Debt Capitalization Ratios	NA	51.06%		51.06%
2	Electric Rate Base for Ratesetting	NA	5,605,040		5,951,806
3	Actual Electric Rate Base	NA	5,400,000		5,900,000
4	Rate Base for True-up	NA	5,400,000		5,900,000
5	Weighted Average Cost of Debt for Ratesetting	NA	4.19%		4.13%
6	Actual Weighted Average Cost of Debt	NA	4.15%		4.16%
7	Annual Rate Allowance	NA	\$ 119,999	\$	125,481
8	Actual Cost of Debt	NA	\$ 114,425	\$	125,322
9	Amount Deferred to (from) customers	NA	\$ 5,574	\$	159

#### Notes (by line number)

- 1 As specified in Joint Proposal
- 2 As specified in Joint Proposal
- 3 Input Hypothetical Actual Electric Rate Base
- 4 Lesser of Lines 3 and 4
- As specified in Joint Proposal, Forecasted Rate Year Cost of Long Term Debt. See Page 2 of 2
- 6 Input Hypothetical Actual Cost of Long Term Debt
- 7 Line 1 x Line 2 x Line 5
- 8 Line 1 x Line 4 x Line 6
- 9 Line 7 less Line 8

#### Niagara Mohawk Power Corporation d/b/a National Grid Case 17-E-0238 & 17-G-0239 Debt Rates Weighted Average Cost of Long-Term Debt (\$000's)

LONG-TERM DEBT	Rate	Maturity	Principal	Rate Year 1 Effective	Rate Year 1 Interest	Rate Year 2 Effective	Rate Year 2 Interest	Rate Year 3 Effective	Rate Year 3 Interest
	%	Date	Amount	Rate	& Expenses	Rate	& Expenses	Rate	& Expenses
1988 Series A Pollution Control Revenue Bonds	1.240%	12/1/2023	69,800	4.99%	3,485	5.87%	4,100	6.42%	4,484
1985 Series B Pollution Control Revenue Bonds	1.259%	12/1/2025	75,000	4.84%	3,630	5.72%	4,291	6.27%	4,704
1986 Series A Pollution Control Revenue Bonds	1.216%	12/1/2026	50,000	4.95%	2,476	5.83%	2,916	6.38%	3,191
1987 Series A Pollution Control Revenue Bonds	1.219%	3/1/2027	25,760	4.80%	1,236	5.68%	1,463	6.23%	1,604
1987 Series B Pollution Control Revenue Bonds	1.217%	7/1/2027	93,200	4.95%	4,614	5.83%	5,435	6.38%	5,948
2004 Series A Pollution Control Revenue Bonds	1.241%	7/1/2029	115,705	5.06%	5,857	5.94%	6,876	6.49%	7,513
4.881% Senior Notes	4.881%	8/15/2019	750,000	4.93%	36,996	4.93%	13,747	0.00%	-
4.119% Senior Notes	4.119%	11/28/2042	400,000	4.14%	16,573	4.14%	16,573	4.14%	16,573
2.721% Senior Notes	2.721%	11/28/2022	300,000	2.76%	8,277	2.76%	8,277	2.76%	8,277
3.508% Senior Notes	3.508%	10/1/2024	500,000	3.55%	17,755	3.55%	17,755	3.55%	17,755
4.278% Senior Notes	4.278%	10/1/2034	400,000	4.32%	17,269	4.32%	17,269	4.32%	17,269
4.05% \$400 million 30-Year Senior Notes Issued July 2018	4.050%	7/15/2048	400,000	4.08%	11,629	4.08%	16,325	4.08%	16,325
4.00% \$450 million 30-Year Senior Notes Issued July 2019	4.000%	7/15/2049	450,000			4.03%	12,936	4.03%	18,140
3.30% \$450 million 10-Year Senior Notes Issued July 2019	3.300%	7/15/2029	450,000			3.39%	10,890	3.39%	15,271
4.00% \$200 million 30-Year Senior Notes Issued July 2020	4.000%	7/15/2050	200,000					4.03%	5,743
3.30% \$200 million 10-Year Senior Notes Issued July 2020	3.300%	7/15/2030	200,000					3.39%	4,835
Amortization of Reacquired Debt Call Premiums & DD&E					1,608		1,608		1,608
			\$4,479,465	4.29%	131,404	4.19%	140,462	4.13%	149,240

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Electric Net Utility Plant and Depreciation Expense Reconciliation (S000's)

		Rate Y	ear Ending Ma	rch 31,	2019		El . :		El . :
	Total Electric Revenue Requirement Target	Tota	al Electric Plant in Service (a)		Non-Interest earing CWIP (b)	Reserve for Depreciation (c)	Electric Net Utility nt in Service (d)	De	Electric epreciation Expense (e)
Forecast included in Revenue Requirement Settlement		\$	9,862,752	\$	72,920	\$ (2,965,985)	\$ 6,969,687	\$	231,655
Pre-Tax WACC							8.07%		
Total Revenue Requirement Target	\$ 793,801						\$ 562,146	\$	231,655
Estimate Actual Results		\$	9,860,905	\$	74,240	\$ (2,966,070)	\$ 6,969,076	\$	232,676
Pre-Tax WACC							8.07%		
Total Revenue Requirement Actuals	\$ 794,773						\$ 562,097	\$	232,676
Actuals higher/(lower) than Target	\$ 971								
*Amounts include allocated portion of common plant (849)	% Electric, 16% Gas)								
	Total	Rate Y	ear Ending Ma	rch 31.	2020		Electric		Electric
	Electric Revenue Requirement Target	Tota	al Electric Plant in Service (a)		Non-Interest earing CWIP (b)	Reserve for Depreciation (c)	Net Utility nt in Service (d)	De	epreciation Expense (e)
Forecast included in Revenue Requirement Settlement		\$	10,357,660	\$	73,015	\$ (3,083,513)	\$ 7,347,162	\$	242,952
Pre-Tax WACC							8.02%		
Total Revenue Requirement Target	\$ 831,870						\$ 588,918	\$	242,952
Estimate Actual Results		\$	10,309,954	\$	70,704	\$ (3,054,818)	\$ 7,325,839	\$	242,932
Pre-Tax WACC							8.02%		
Total Revenue Requirement Actuals	\$ 830,141						\$ 587,209	\$	242,932
Actuals higher/(lower) than Target	\$ (1,729)								
*Amounts include allocated portion of common plant (849)	% Electric, 16% Gas)								
	Total	Rate Y	ear Ending Ma	rch 31.	2021		Electric		Electric
	Electric Revenue Requirement Target	Tota	al Electric Plant in Service (a)		Non-Interest earing CWIP (b)	Reserve for Depreciation (c)	Net Utility nt in Service (d)	De	epreciation Expense (e)
Forecast included in Revenue Requirement Settlement		\$	10,855,753	\$	76,521	\$ (3,203,269)	\$ 7,729,005	\$	254,022
Pre-Tax WACC							7.99%		
Total Revenue Requirement Target	\$ 871,228						\$ 617,206	\$	254,022
Estimate Actual Results		\$	10,860,495	\$	76,499	\$ (3,200,298)	\$ 7,736,696	\$	254,022
Pre-Tax WACC							7.99%		
Total Revenue Requirement Actuals	\$ 871,842						\$ 617,820	\$	254,022
Actuals higher/(lower) than Target	\$ 614								
*Amounts include allocated portion of common plant (849)	% Electric, 16% Gas)								
3 Year Cumulative Revenue Requirement Actuals	\$ 2,496,756								
3 Year Cumulative Revenue Requirement Target	\$ 2,496,900								

 $Note: Downward \ only \ reconciliation \ - \ no \ amounts \ due \ from \ customers \ if \ actuals \ are \ higher \ than \ target$ 

(144)

3 Year Cumulative Actuals higher/lower than Target

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Non Wire Alternative

Example of Revenue Requirement Impact (Carrying Charge) of NWA Displaced Capital Project

	_	0	
(\$	000	0s)	

			.4		(\$000	s)	6.,					,				
Assumptions in	Closing Rules	Co	mposite			Exa	imple of	Dist	olaced Dist	rib	ution Line C	apita	al Proie	ct inc	luded in	Rate Allowance
Rate Allowance:	(months)		iation Rate					-1								
Tran Substations	12		2.55%	•				Cape	ex Forecas	t						
Dist Substations	12		2.04%			FY	2019	\$	500	•						
Tran lines	8		1.94%				2020	\$	700							
Dist lines	5		2.03%			FY	2021	\$	_							
Dist line transformers	1		2.90%						\$1,200	•						
Dist meters	1		5.87%													
FY 2019 FY 2020 FY 2021	quirement Impact (Carryi ent Impact (Carrying Cha		rge) of NWA	A Di	splaced Capit	ial P	roject	\$ \$ \$	8 55 111 \$174							
						Ra	ite Allow	ance								
	Electric Cash flow Percentages in Rate Allowance (Note 1) (a)	Ca: To Co Work	al Expend. sh flows onstruction in Progress Note 2)		Closes To Plant In-Service (Note 3) (a)		Plant salance (b)	É	preciation Expense 2.03% Note 4)		ecumulated depreciation Reserve Balance (d)	U	Net Itility Plant (e)	W 8	e - Tax ACC .07% (ote 5)	Total Revenue Require- ment (g)
FY 2019	(u)		(4)		(4)		(0)		(0)		(4)		) + (d)		(.)	(c)+(f))
Mar-2018						\$	_			\$	-	\$	_			
Apr-2018	6.35%	\$	32	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
May-2018	6.72%	\$	34	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
Jun-2018	8.82%	\$	44	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
Jul-2018	8.46%	\$	42	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
Aug-2018	8.60%	\$	43	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
Sep-2018	7.21%	\$	36	\$	32	\$	32	\$	_	\$	-	\$	32	\$	0	
Oct-2018	9.97%		50	\$	34	\$	65	\$	0	\$			65	\$	0	
Nov-2018	7.51%	\$	38	\$	44	\$	109	\$	0	\$			109	\$	1	
Dec-2018	8.12%		41	\$	42	\$	152	\$	0	\$			151	\$	1	
Jan-2019	6.93%		35	\$	43	\$		\$	0	\$			194	\$	1	
Feb-2019	8.08%		40	\$	36	\$	231	\$	0	\$			230	\$	2	
Mar-2019	13.22%		66	\$	50	\$	281	\$	0	\$			279	\$	1	

Rate	Allo	wanc

FY 2020	Electric Cash flow Percentages in Rate Allowance (Note 1) (a)	Ca To Co Work	al Expend. sh flows onstruction in Progress Note 2) (a)		pital Expend. Closes To Plant In-Service (Note 3) (a)		Plant salance (b)	epreciation Expense 2.03% (Note 4) (c)	D	cumulated epreciation Reserve Balance (d)		Net Utility Plant (e) o) + (d)	,	re - Tax WACC 8.02% Note 5) (f)	Total Revenue Require- ment (g) (c)+(f))
Mar-2019						s	281		s	(1)	\$	279	s	1	
Apr-2019	6.35%	S	44	\$	38	\$	318	\$ 0	S	(2)	s	316	S	2	
May-2019	6.72%		47	s	41	s	359	\$ 1	s	(2)	s	357	s	2	
Jun-2019	8.82%		62	\$	35	s	394	1	S	(3)	s	391	s	3	
Jul-2019	8.46%		59	\$	40	s	434	\$ 1	S	(4)	\$	430	S	3	
Aug-2019	8.60%	\$	60	\$	66	\$	500	\$ 1	\$	(4)	\$	496	\$	3	
Sep-2019	7.21%	\$	50	\$	44	\$	544	\$ 1	\$	(5)	\$	539	\$	4	
Oct-2019	9.97%	\$	70	\$	47	\$	592	\$ 1	\$	(6)	\$	585	\$	4	
Nov-2019	7.51%	\$	53	\$	62	\$	653	\$ 1	\$	(7)	\$	646	\$	4	
Dec-2019	8.12%	\$	57	\$	59	\$	712	\$ 1	\$	(8)	\$	704	\$	5	
Jan-2020	6.93%	\$	48	\$	60	\$	773	\$ 1	\$	(9)	\$	763	\$	5	
Feb-2020	8.08%	\$	57	\$	50	\$	823	\$ 1	\$	(11)	\$	812	\$	5	
Mar-2020	13.22%	\$	93	\$	70	\$	893	\$ 1	\$	(12)	\$	881	\$	3	
	100.00%		\$700		\$612		\$557	\$11	\$	(6)		\$552		\$44	\$55

Rate	All	owa	nc

FY 2021	Electric Cash flow Percentages in Rate Allowance (Note 1) (a)	Capital I Cash : To Cons Work in I (Not	flows truction Progress e 2)		Closes To Plant In-Service (Note 3) (a)		Plant salance (b)	epreciation Expense 2.03% (Note 4) (c)		ecumulated epreciation Reserve Balance (d)	Ţ	Net Jtility Plant (e)	1	re - Tax WACC 7.99% Note 5) (f)	Total Revenue Require- ment (g)
<u>F 1 2021</u>											(0	+ (d)			(c)+(f))
Mar-2020						s	893		s	(12)	\$	881	\$	3	
Apr-2020	6.35%	S	_	\$	53	\$	946	\$ 2	s	(14)		932	S	6	
May-2020	6.72%		_	\$	57	s	1,002	\$ 2	s	(15)		987	s	7	
Jun-2020	8.82%		_	s	48	s	1,051	\$ 2	s	(17)		1,034	s	7	
Jul-2020	8.46%		_	s	57	s	1,107	\$ 2	S	(19)		1,089	s	7	
Aug-2020	8.60%		_	s	93	s	1,200	\$ 2	s	(21)	s	1,179	s	8	
Sep-2020	7.21%		_	s	-	s	1,200	\$ 2	s	(23)	s	1,177	s	8	
Oct-2020	9.97%		_	S	_	s	1,200	\$ 2	s	(25)	s	1,175	s	8	
Nov-2020	7.51%		_	s	_	s	1,200	\$ 2	s	(27)	s	1,173	s	8	
Dec-2020	8.12%		_	\$	_	s	1,200	\$ 2	s	(29)	s	1,171	s	8	
Jan-2021	6.93%		_	s	_	s	1,200	\$ 2	s	(31)	s	1,169	s	8	
Feb-2021	8.08%		_	s	_	Ś	1,200	\$ 2	s	(33)		1,167	s	8	
Mar-2021	13.22%		_	\$	-	Ś	1,200	\$ 2	\$	(35)	\$	1,165	\$	4	
	100.00%		\$0	)	\$307		\$1,129	\$23	\$	(23)		\$1,107		\$88	\$111

- Notes and Assumptions:

  1) Monthly cash flow percentages in Rate Allowance based on two year average of 2015 and 2016 percentages

  2) Allocate fiscal year total capex forecast based on monthly cash flow percentages

  3) Close monthly capital expenditures to plant based on project's associated closing rule utilized in rate allowance

  If displaced project was a transmission major project with a specific in service date utilized in rate allowance, use the specific in service dates on page 3

  4) Depreciation is based on the approved composite depreciation rate for the associated project type

  5) Utilizes pre-tax WACC by fiscal year per filing with a 9,00% ROE.

  6) The FY 2019 balances will be rolled forward to FY 2020 and FY 2021, calculating a return on the net plant investment and associated depreciation expense.

  7) The FY 2020 balances will be rolled forward to FY 2021, calculating a return on the net plant investment and associated depreciation expense.

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Non Wire Alternative

## Estimated In Service Dates included in Rate Allowance for Major Projects

Gard-Dun 141-142 T1260-T1270 ACR	Jan-2022
Lockport-Batavia 112 T1510 ACR	Mar-2023
Gardenville-Rebuild Line Relocation	Mar-19 and Oct-19
Pannell-Geneva 4-4A T1860 ACR	Mar-2022
Mohican Battenkill#15 Rebuild Reconductor	May-2017
Ticonderoga 2-3 T5810-T5830 ACR	Aug-2021
Clay-Teall#10,Clay-Dewitt#3 Reconductor	Oct-2019
Rotterdam - Curry #11 Reconductor	Dec-2019
Huntley-Lockport 36 37 ACR	Mar-2020
Dunkirk Rebuild	Dec-2021
Gardenville Rebuild	Nov-2018
Rotterdam 115kV Sub Rebuild	Apr-2023
Porter 230kV-Upgrade Brks/Disc/PT's	Dec-2021
Rebuild Huntley Station Asset Separation	Mar-18 & Jun-20
Schaghticoke Switching Station	Mar-2020
Lasher Road Substation	Jul-2019
Edic-MVEdge Customer Connection with Reimb	Jan-2018
Ohio St Substation	Jun-2019

## Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Electric Major Storm Expense (\$000's)

### **ELECTRIC EXAMPLE**

		Electric Rate Year One		_	Electric Year Two	Electric Year Three
1	Actual Expense	\$	25,716	\$	25,000	\$ 21,000
2	Rate Allowance	\$	23,000	\$	23,000	\$ 23,000
3	Amount Deferred to (from) customers	\$	(2,716)	\$	(2,000)	\$ 2,000

- 1 Hypothetical storm costs (see Appendix 14, Attachment A)
- 2 Forecasted Rate Year expense. See Joint Proposal, Appendix 1, Schedule 1, Section 10.1.15 and Appendix 14
- 3 Line 2 less Line 1

## Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Electric Site Investigation and Remediation (SIR) Expense (\$000's)

#### **ELECTRIC EXAMPLE**

		Electric Year One	Electric Year Two	Electric Year Three
1	Actual Expense	\$ 28,000	\$ 26,000	\$ 30,000
2	Rate Allowance	\$ 27,321	\$ 27,321	\$ 27,321
3	Amount Deferred to (from) customers	\$ (679)	\$ 1,321	\$ (2,679)

- 1 Hypothetical Actual Costs
- 2 Forecasted Rate Year expense. See Joint Proposal Section 10.1.6
- 3 Line 2 less Line 1

Case 17-E-0238 & 17-G-0239 Appendix 5 Schedule 11 Page 2 of 2

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 General Principles of the SIR Deferrral Mechanism

Established pursuant to the Financial Recovery Agreement (the "FRA"; Clause 16), approved by the Public Service Commission in Opinion No. 89-37(D); first applied in 1990 and continued to date applies to Site Investigation and Remediation (SIR) program sites, including:

- Former manufactured gas plant (MGP) sites
- Other Operating sites (previously designated by NM as "Industrial Waste Sites" and "Corrective Action Sites"; they include service centers, electric substations, and company properties)
- Potentially Responsible Party (PRP) sites (not owned by NM but pose alleged liabilities pursuant to Federal/State Superfund and other NYS Environmental Conservation Law-related regulations)

#### Allowable costs include:

- Consultant and contractor costs for site investigation and remediation efforts
- SIR activities that develop or implement remediation approaches to reduce the volume, mobility, or toxicity pre-existing contamination (caused or alleged to be caused by past practices or operations)
- Incremental external costs, including insurance premiums and legal costs, incurred to seek recovery from third parties or to otherwise seek to mitigate the cost or liability of the Company associated with the SIR program

#### Allowable costs shall be offset by:

- Net gains recognized from the sale or transfer to Non-utility Property of NM land and buildings included in rate base<sup>1</sup> or from the sale of stone, gravel, sand, or timber from such land, or
- Any net gains recognized from the leasing of such land or from the sale or lease of mining or drilling rights to such land, and
- Net insurance proceeds and net recoveries from third parties.

Department of Public Service Staff reserves the right to review for ultimate Commission determination the reasonableness of the actual deferred costs, which shall depend, inter alia, on the adequacy of the Company's efforts to seek contribution for those costs from other responsible parties.

<sup>&</sup>lt;sup>1</sup> For land and buildings which have been removed from rate base prior to date that this policy became effective, Niagara Mohawk shall propose the appropriate sharing of net gains in a filing that is subject to the approval of the Commission.

### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Electric Property Tax Expense (\$000's)

#### ELECTRIC EXAMPLE

		Electric e Year One	Electric e Year Two	Electric Year Three
1	Actual Expense	\$ 180,000	\$ 190,000	\$ 200,000
2	Rate Allowance	\$ 183,024	\$ 189,211	\$ 195,164
3	Under (over) spending	\$ 3,024	\$ (789)	\$ (4,836)
4	Customer share of under (over) spending	 80%	 80%	 80%
5	Amount Deferred to (from) Customers	\$ 2,419	\$ (631)	\$ (3,869)

- 1 Input Actual Costs
- 2 Forecasted Rate Year expense. See Joint Proposal Section 10.1.7
- 3 Line 2 less Line 1 (Difference between actual expense and rate allowance)
- 4 Deferral for under (over) spending will be based on 80% customer and 20% company basis
- 5 Line 3 times Line 4

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Electric Variable Pay Expense (\$000's)

#### ELECTRIC EXAMPLE

		Electric Year One	Electric Year Two	Electric Rate Year Three		
1	Actual Expense	\$ 18,000	\$ 16,000	\$	19,000	
2	Rate Allowance	\$ 17,848	\$ 18,390	\$	18,910	
3	Amount Deferred to Customers	\$ 	\$ 2,390	\$		

If the actual expense is greater than the rate allowance, there is no additional recovery from customers. This is a downward only reconciliation.

- 1 Input Actual costs Under the Company's variable pay program (APP) the evaluation period is on a fiscal year basis ending March Variable pay expense is accrued monthly, with the final accrual in March reconciling the annual variable pay total to the expecte pay out in June.
- 2 Forecasted Rate Year expense. See Joint Proposal Section 10.1.12
- 3 Line 2 less Line 1

## Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Transmission Revenue Adjustment Clause (\$000's)

## ELECTRIC EXAMPLE

		Electric e Year One	Electric e Year Two	Electric Year Three
1	Actual Expense	\$ 186,000	\$ 182,000	\$ 189,000
2	Rate Allowance	\$ 185,696	\$ 185,696	\$ 185,696
3	Amount Deferred to (from) customers	\$ (304)	\$ 3,696	\$ (3,304)

- 1 Input Actual Costs
- 2 Forecasted Rate Year expense. See Joint Proposal Section 10.1.19
  - Year 1 See Page 2 of 4, Line 12
  - Year 2 See Page 3 of 4, Line 12
  - Year 3 See Page 4 of 4, Line 12
- 3 Line 2 less Line 1

Niagara Mohawk Power Corporation d'b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Wholesale Revenue Rate Year (Whole S) For Rate Ending March 31, 2019

		Rate Year												
Lines Rate Schedule	Transmission Service	Total	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19
1 R.S. 134	NYPA - St. Lawrence Municipals Rochester Gas & Electric Corp ST-	21,000	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750
2 R.S. 58	123	319,896	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658
3 R.S. 55	Central Hudson	195,300	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275
4 R.S. 141	Central Hudson	2,175,360	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280
5 R.S. 142	Fitzpatrick Wheeling	2,999,040	218,240	218,240	218,240	218,240	281,600	281,600	281,600	281,600	281,600	281,600	218,240	218,240
6 R.S. 142	9 Mile Wheeling	4,350,720	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560
7 R.S. 165	NYSEG	9,354,240	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520
8 R.S. 175	Indeck Corinth	ı	,	,	,	,	,	1	ı	ı	1			,
9 R.S. 171	Selkirk	•			•		•							
10 R.S. 178	Sithe Independence	,	,	,	,	,	,	,	ı	ı	,			,
8 R.S. 174 9 ISO OATT-TSC 10 N/A	City of Watertown Regional transmission service TCC auction revenue	80,000 24,000,000 173,400,000	6,667 2,000,000 14,450,000	6,667 2,000,000 14,450,000	6,667 2,000,000 14,450,000	6,667 2,000,000 14,450,000	6,667 2,000,000 14,450,000	6,667 2,000,000 14,450,000	6,667 2,000,000 14,450,000	6,667 2,000,000 14,450,000	6,667 2,000,000 14,450,000	6,667 2,000,000 14,450,000	6,667 2,000,000 14,450,000	6,667 2,000,000 14,450,000
11 N/A	Congestion balancing settlement	(31,200,000)	(2600,000)	(2,000,000)	(2600,000)	(2,600,000)	(2,600,000)	(2\$00,000)	(2,600,000)	(2,600,000)	(2600,000)	(2600,000)	(2600,000)	(000,009)
12	TRANSMISSION REVENUE SUBJECT TO TRAC:	185,695,556	185,695,556 15,442,950 15,442,950	15,442,950	15,442,950	15,442,950	15,506,310	15,506,310	15,506,310	15,506,310	15,506,310	15,506,310	15,442,950	15,442,950

Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Wholesale Revenue Rate Year (Whole \$) For Data Year Ending March 31, 2020

			Data Year												
Line	Lines Rate Schedule	Transmission Service	Total	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
-	R.S. 134	NYPA - St. Lawrence Municipals	21,000	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750
2	R.S. 58	Rochester Gas & Electric Corp ST-123	319,896	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658	26,658
3	R.S. 55	Central Hudson	195,300	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275	16,275
4	R.S. 141	Central Hudson	2,175,360	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280
5	R.S. 142	Fitzpatrick Wheeling	2,999,040	218,240	218,240	218,240	218,240	281,600	281,600	281,600	281,600	281,600	281,600	218,240	218,240
9	R.S. 142	9 Mile Wheeling	4,350,720	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560
7	R.S. 165	NYSEG	9,354,240	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520
∞	R.S. 174	City of Watertown	80,000	299'9	299'9	299'9	299'9	299'9	6,667	6,667	299'9	6,667	6,667	6,667	6,667
6	ISO OATT - TSC	Regional transmission service	24,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
10	N/A	TCC auction revenue	173,400,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000	14,450,000
Ξ	N/A	Congestion balancing settlement	(\beta1,200,000)	(000,000)	(0,000,000)	(0,000,000)	(000,000)	(0,000,000)	(0,000,000)	(0,000,000)	(2,600,000)	(0,000,000)	(000,000)	(2,600,000)	2,600,000)
12		TRANSMISSION REVENUE SUBJECT TO TRAC:	185.695.556	- 185.695.556 15.442.950 15.442.950		15.442.950	15,442.950	15.506.310	15.506.310	15.506.310	15.506.310	15.506.310	15.506.310	15.442.950	15.442.950

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Niagara Mohawk Power Corporation d'ha National Grid PSC Case 1745-0738 & 17-C6-0239 Wholesale Revenne Rate Year (Whole S) For Data Year Ending March 31, 2021

				Data Year											
Lines	Lines Rate Schedule	Transmission Service	Total	Apr-20	May-20	Jun-20	Jul-20	Aug-20							Mar-21
-	R.S. 134	NYPA - St. Lawrence Municipals	21,000	1,750	1,750	1,750	1,750		1,750	1,750	1,750	1,750	1,750	1,750	1,750
7	R.S. 58	Rochester Gas & Electric Corp ST-123	319,896	26,658	26,658	3 26,658	26,658	26,658							26,658
3	R.S. 55	Central Hudson	195,300	16,275	16,275	16,275	16,275								16,275
4	R.S. 141	Central Hudson	2,175,360	181,280	181,280	181,280	181,280								181,280
5	R.S. 142	Fitzpatrick Wheeling	2,999,040	218,240	218,240	218,240	218,240								218,240
9	R.S. 142	9 Mile Wheeling	4,350,720	362,560	362,560	362,560	362,560								362,560
7	R.S. 165	NYSEG	9,354,240	779,520	779,520	779,520	779,520								779,520
∞	R.S. 174	City of Watertown	80,000	6,667	6,667	6,667	299'9								299'9
6	ISO OATT - TSC	Regional transmission service	24,000,000	2,000,000	2,000,000	2,000,000	2,000,000								2,000,000
10	N/A	TCC auction revenue	173,400,000	14,450,000	14,450,000	14,450,000	14,450,000								14,450,000
Ξ	N/A	Congestion balancing settlement	(61,200,000)	(0,000,000)	(0,000,000)	(0,000,000)	(0,000,000)	- 1							2,600,000)
2		TRANSMISSION REVENUE SUBJECT TO TRAC:		- 1842 950	15 442 950	15 442 950	15 442 950	15506310	15 506 310	15 506 310	15 506 310	15 506 310	15 506 310	15 442 950	15 442 950

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# Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Light Emitting Diode (LED) Deferral

Example of LED Revenue Requirement Compared to Rate Allowance (\$000s)

							(44444)								
	G SIE I		Rate	Allowance				0 115		ample of Annua	al Spend Under l	Rate Allowa	nce		
FY 2019	Capital Expend. Closes To Plant In-Service (Note 1) (a)	Plant Balance (b)	Depreciation Expense 5.20% (Note 2) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (e) (b) + (d)	Pre - Tax WACC 8.07% (Note 3) (f)	Total Revenue Require- ment (g) (c)+(f))	Capital Expend Closes To Plant In-Service (Note 1) (h)	Plant Balance (i)	Depreciation Expense 5.20% (Note 2) (j)	Accumulated Depreciation Reserve Balance (k)	Net Utility Plant (l) (i) + (k)	Pre - Tax WACC 8.07% (Note 3) (m)	Total Revenue Require- ment (n) (j)+(m)	Amount Subject to Deferral Asset / (Liability) (0) (n) - (g)
Mar-2018		0		0	0				0		0	0			
Apr-2018	492	492	0	0	492	3		318	318	0	0	318	2		
May-2018 Jun-2018	520 683	1,013 1,696	2 4	(2) (7)	1,011 1,690	7 11		336 441	654 1,095	1 3	(1) (4)	652 1,091	4 7		
Jul-2018	655	2,351	7	(14)	2,337	16		423	1,518	5	(9)	1,509	10		
Aug-2018 Sep-2018	666 559	3,017 3,576	10 13	(24)	2,993 3,539	20 24		430 361	1,948 2,308	7 8		1,932 2,285	13 15		
Oct-2018	773	4,348	15	(53)	4,296	29		499	2,807	10		2,263	19		
Nov-2018	582	4,930	19	(71)	4,859	33		376	3,183	12	(46)	3,137	21		
Dec-2018 Jan-2019	629 536	5,559 6,096	21 24	(93) (117)	5,466 5,979	37 40		406 346	3,589 3,935	14 16	(60) (75)	3,529 3,860	24 26		
Feb-2019	626	6,721	26	(143)	6,578	44		404	4,339	17	(93)	4,247	29		
Mar-2019	1,024	7,745	29	(172)	7,573	25	462	661	5,000	19	(111)	4,889	16	200	(164)
	7,745	3,639	172	(54)	3,585	289	462	5,000	2,350	111	(35)	2,315	187	298	(164)
	Capital Expend.		Rate	Allowance				Ex. of An		Over Rate Allo	wance, Cumula	tive Spend U	Jnder Rate Al	lowance	Amount
	Closes To Plant		Depreciation	Accumulated Depreciation	Net	Pre - Tax WACC	Total Revenue	Closes To Plant			Accumulated	Net	Pre - Tax	Total Revenue	Subject to
	In-Service	Plant	Expense 5.20%	Reserve	Utility	8.02%	Require-	In-Service	Plant	Expense 5.20%	Depreciation Reserve	Utility	WACC 8.02%	Require-	Deferral Asset /
	(Note 1)	Balance	(Note 2)	Balance	Plant	(Note 3)	ment	(Note 1)	Balance	(Note 2)	Balance	Plant	(Note 3)	ment	(Liability)
FY 2020	(a)	(b)	(c)	(d)	(e) (b) + (d)	(f)	(g) (c)+(f))	(h)	(i)	(j)	(k)	(l) (i) + (k)	(m)	(n) (j)+(m)	(o) (n) - (g)
Mar-2019		7,745		(172)	7,573	25			5,000		(111)	4,889	16		
Apr-2019	492	8,237	34	(206)	8,031	54		635	5,635	22	(133)	5,502	37		
May-2019	520	8,758	36	(242)	8,516	57		672	6,307	24	(24)	6,283	42		
Jun-2019 Jul-2019	683 655	9,441 10,096	38 41	(280)	9,161 9,775	61 65		882 846	7,190 8,035	27 31	(52) (83)	7,138 7,953	48 53		
Aug-2019	666	10,762	44	(364)	10,398	69		860	8,896	35	(118)	8,778	59		
Sep-2019 Oct-2019	559 773	11,321 12,093	47 49	(411) (460)	10,910 11,633	73 78		721 997	9,617 10,614	39 42	(156) (198)	9,461 10,417	63 70		
Nov-2019	582	12,675	52	(512)	12,163	81		751	11,366	46		11,122	74		
Dec-2019	629	13,304	55	(567)	12,737	85		812	12,178	49	(293)	11,885	79		
Jan-2020 Feb-2020	536 626	13,841 14,466	58 60	(625) (685)	13,216 13,781	88 92		693 808	12,871 13,678	53 56	(346) (402)	12,525 13,277	84 89		
Mar-2020	1,024	15,490	63	(748)	14,742	49		1,322	15,000	59	(461)	14,539	49		
	7,745	11,384	575	(428)	10,957	878	1,454	10,000	9,699	483	(195)	9,504	762	1,245	(209)
	Capital Expend.		Rate	Allowance				E Capital Expend		oth Annual and	d Cumulative Sp	end Over Ra	ate Allowance	:	Amount
	Closes		Depreciation		NI-4	Pre - Tax	Total	Closes			Accumulated	NT-4	Pre - Tax	Total	Subject to
	To Plant In-Service	Plant	Expense 5.20%	Depreciation Reserve	Net Utility	WACC 7.99%	Revenue Require-	To Plant In-Service	Plant	Expense 5.20%	Depreciation Reserve	Net Utility	WACC 7.99%	Revenue Require-	Deferral Asset /
	(Note 1)	Balance	(Note 2)	Balance	Plant	(Note 3)	ment	(Note 1)	Balance	(Note 2)	Balance	Plant	(Note 3)	ment	(Liability)
FY 2021	(a)	(b)	(c)	(d)	(e) (b) + (d)	(f)	(g) (c)+(f))	(h)	(i)	(j)	(k)	(l) (i) + (k)	(m)	(n) (j)+(m)	(o) (n) - (g)
Mar-2020	_	15,490		(748)	14,742	49			15,000		(461)	14,539	49	3/ \ /_	
Apr-2020	492	15,490	67	(815)	15,167	101		953	15,000	65	(526)	15,427	103		
May-2020	520	16,503	69	(884)	15,619	104		1,008	16,961	69	(69)	16,892	112		
Jun-2020 Jul-2020	683 655	17,186 17,841	72 74	(956) (1,030)	16,231 16,811	108 112		1,324 1,268	18,285 19,553	73 79	(143) (222)	18,142 19,331	121 129		
Aug-2020	666	18,507	74	(1,030)	17,400	112		1,208	20,843	85	(307)	20,537	137		
Sep-2020	559	19,066	80	(1,188)	17,878	119		1,082	21,925	90	(397)	21,529	143		
Oct-2020 Nov-2020	773 582	19,838 20,420	83 86	(1,270) (1,356)	18,568 19,064	124 127		1,496 1,127	23,422 24,549	95 101	(492) (593)	22,930 23,955	153 159		
Dec-2020	629	21,049	88	(1,330)	19,064	130		1,127	25,767	101	(700)	25,955	167		
Jan-2021	536	21,586	91	(1,536)	20,050	133		1,039	26,806	112	(811)	25,994	173		
Feb-2021 Mar-2021	626 1,024	22,211 23,235	94 96	(1,629) (1,726)	20,582 21,509	137 72		1,212 1,982	28,018 30,000	116 121	(928) (1,049)	27,090 28,951	180 96		
iviai=2021	7,745	19,129	978	(1,726)	17,925	1,432	2,410	15,000	22,049	1,114	(495)	21,553	1,721	2,835	426

- Notes and Assumptions:

  1) LED capital expenditures in base rates total \$7.745 million annually in FY 2019 FY 2021.
  Revenue requirement assumes capital expenditures are placed in-service in the month spent.
  2) Depreciation is based on the approved composite depreciation rate for LED luminaires.
  3) Utilizes pre-tax WACC by fiscal year per filing with a 9.00% ROE.
  4) The FY 2019 balances will be rolled forward to FY 2021, calculating a return on the net plant investment and associated depreciation expense.
  5) The FY 2020 balances will be rolled forward to FY 2021, calculating a return on the net plant investment and associated depreciation expense.
  6) Tracker is capped at an annual 20 percent LED conversion rate.

(\$207,112) \$0

(\$104,056)

Net Plant Tracker Regulatory Liability (excluding LED)

Total Net Plant/Depreciation and LED Net Plant/Depreciation Tracker Combined Results in Net Regulatory Asset/(Liability)

LED Regulatory Liability

Appendix 5 Schedule 15 Page 2 of 7 Case 17-E-0238 & 17-G-0239

> Example of LED Tracker and Net Utility Plant Reconciliation Mechanism Assumes a Two Way LED Net Utility Plant/Depreciation Tracker Mechanism Assumes a One Way Downward Net Utility Plant/Depreciation Tracker Mechanism Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239

Example 1 Net Plant/Depreciation Tracker

Under Under LED Net Plant/Depreciation Tracker

1) No Net Utility Plant Regulatory Liability Required - 100% Related to LED 2) Record LED Revenue Requirement Net Plant Underage as a Regulatory Liability

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(\$207,112) (\$724,891) (\$932,003)

(\$104,056) (\$520,279) (\$624,335)

LED Regulatory Liability
Net Plant Tracker Regulatory Liability (excluding LED)
Total Net Plant/Depreciation and LED Net Plant/Depreciation Tracker Combined Results in Net Regulatory Asset/(Liability)

Case 17-E-0238 & 17-G-0239
Appendix 5
Schedule 15
Page 3 of 7

Niagara Mohawk Power Corporation db/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Example of LED Tracker and Net Utility Plant Reconciliation Mechanism
Assumes a Two Way LED Net Utility Plant/Depreciation Tracker Mechanism
Assumes a One Way Downward Net Utility Plant/Depreciation Tracker Mechanism

Example 2

Net Plant/Depreciation Tracker

Under

1) Record Net Utility Plant Regulatory Liability Net of LED Tracker

LED Net Plant/Depreciation Tracker

2) Record LED Revenue Requirement Net Plant Underage as a Regulatory Liability

1) Assume all other components of net plant forecast results are under what's allowed in rates, in addition to LED actual costs being lower than forecast. Regulatory liability is generated from the net plant tracker and LED tracker:

Difference - Regulatory Asset/(Liability)  FY2019 FY2020 FY2021  (\$6,000,000) (\$9,000,000) (\$12,000,000)  8.07% 8.02% 7.99%  (\$483,935) (\$721,403) (\$958,270)  (\$140,400) (\$210,600) (\$280,800)  (\$624,335) (\$932,003) (\$1,239,070)	Difference - Regulatory Asset/(Liability)  FY2019 FY2020 FY2021  (\$1,000,000) (\$2,000,000) (\$3,000,000)  8.07% 8.02% 7.99%  (\$80,656) (\$160,312) (\$239,568)  (\$22,400) (\$46,800) (\$70,200)  (\$104,056) (\$207,112) (\$309,768)	Difference - Regulatory Asset/(Liability)  (\$5,000,000) (\$7,000,000) (\$9,000,000)  (\$8,07% 8.02% 7.99% (\$403,279) (\$163,800) (\$210,600)  (\$17,000) (\$163,800) (\$210,600) (\$520,279) (\$724,891) (\$718,703)
Assumed Actual Results    FY2019	Assumed Actual Results  \$2,585,447  \$8,956,610  \$14,925,034   8.07%  \$0.02%  7.99%   \$208,531  \$717,925  \$1,191,851   \$149,067  \$528,407  \$907,747   \$357,598  \$1,246,331  \$2,099,598	Assumed Actual Results    FY2019   FY2020   FY2021     S6,961,101,446 \$7,329,205,195 \$7,702,079,955     8,07%   8,02%   7,99%     8561,453,473   \$587,478,587   \$615,056,052     8231,365,744   \$242,213,020   \$252,833,705     8792,819,217   \$829,691,607   \$867,889,757
Forecast Allowed in Rates  56,969,686,893 \$7,347,161,806 \$7,729,004,989  8.07% 8.02% 7.99%  \$562,145,939 \$588,917,914 \$617,206,173  \$231,655,210 \$242,952,026 \$254,022,252  \$793,801,150 \$831,869,941 \$871,228,425	Forecast Allowed in Rates  \$3,585,447 \$10,956,610 \$17,925,034  \$8.07% \$8.02% \$1.99%  \$289,187 \$878,236 \$1,431,419  \$172,467 \$575,207 \$977,947  \$461,654 \$1,453,443 \$2,409,365	Forecast Allowed in Rates  FY2019 FY2020 FY2021 \$6,96,101,446 \$7,336,205,195 \$7,711,079,955  8,07% 73,86,752 \$588,039,678 \$615,774,754 \$231,482,744 \$242,376,820 \$253,044,305 \$793,339,496 \$830,416,497 \$868,819,060
Total Net Utility Plant/ Depreciation including LED Average Net Plant Pre-Tax Return % Return on Ratebase Depreciation Total Net Plant/Depreciation Revenue Requirement	2) LED net plant/depreciation will be booked as a regulatory liability:  LED Net Utility Plant/ Depreciation LED Average Net Plant Pre-Tax Return % Return on Ratebase LED Depreciation LED Depreciation LED Net Plant/Depreciation Revenue Requirement	3) Net the LED Tracker with the Total Net Plant Tracker:  Net Utility Plant/ Depreciation Tracker Mechanism excluding LED Average Net Plant (Net LED Tracker from Total Net Plant Tracker) Pre-Tax Return % Return on Ratebase (Net LED Tracker from Total Net Plant Tracker) Depreciation (Net LED Tracker from Total Net Plant Tracker) Total Net Plant/Depreciation Revenue Requirement (Net of LED Tracker)

Appendix 5 Schedule 15 Page 4 of 7 Case 17-E-0238 & 17-G-0239

> Assumes a Two Way LED Net Utility Plant/Depreciation Tracker Mechanism Assumes a One Way Downward Net Utility Plant/Depreciation Tracker Mechanism Example of LED Tracker and Net Utility Plant Reconciliation Mechanism Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239

> > Under Over LED Net Plant/Depreciation Tracker Example 3 Net Plant/Depreciation Tracker

Record Net Utility Plant Regulatory Liability Net of LED Tracker
 Record LED Revenue Requirement Net Plant Excess as a Regulatory Asset

1) Assume all other components of net plant forecast results are under what's allowed in rates, except for LED actual costs being higher than forecast. Regulatory liability is generated from the net plant tracker and regulatory asset from LED tracker:

Assumed Actual Results   FY2019   FY2021   FY2021   FY2020   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2021   FY2	Assumed Actual Results   FY2020	\$2.719.133 \$104.056 \$207.112 \$
	EY2019 8,4,585, 8,0 8,0 8,105,	\$565,710
FY2019 FY2020 FY2021 \$6,969,686,893 \$7,347,161,806 \$7,729,004,989 \$07% \$07% 7,347,161,806 \$7,729,004,989 \$652,145,939 \$588,917,914 \$617,206,173 \$231,655,210 \$242,952,026 \$234,022,252 \$793,801,150 \$831,869,941 \$871,228,425	Forecast Allowed in Rates  FY2019 FY2020 FY2021  \$3,585,447 \$10,956,610 \$17,925,034  8.07% 8.02% 77,99%  \$172,467 \$575,037  \$172,467 \$575,037	\$1.453.443
Total Net Utility Plant/ Depreciation including LED Average Net Plant Pre-Tax Return % Return on Ratebase Depreciation Total Net Plant/Depreciation Revenue Requirement	2) LED net plant/depreciation will be booked as a regulatory asset: LED Net Utility Plant/ Depreciation LED Average Net Plant Pre-Tax Return % Pre-Tax Return % Fre-Tax Return or Retebase TED Depreciation	LED Net Plant/Depreciation Revenue Requirement

(\$479,135) (\$140,400) (\$619,535)

7.99%

7.99% \$239,568 \$70,200 \$309,768

3) Net the LED Tracker with the Total Net Plant Tracker:

Ţ	\$6,96		\$56	\$23	879	
Net Utility Plant/ Depreciation Tracker Mechanism excluding LED	Average Net Plant (Net LED Tracker from Total Net Plant Tracker)	Pre-Tax Return %	Return on Ratebase (Net LED Tracker from Total Net Plant Tracker)	Depreciation (Net LED Tracker from Total Net Plant Tracker)	Total Net Plant/Depreciation Revenue Requirement (Net of LED Tracker)	

	210.1	I OLOGISTI THOM OR THE LIMITOR	
	FY2019	FY 2020	FY 2021
_	\$6,966,101,446	\$6,966,101,446 \$7,336,205,195 \$7,711,079,955	\$7,711,079,955
	8.07%	8.02%	%66 <sup>-</sup> L
r.	\$561,856,752	\$588,039,678	\$615,774,754
	\$231,482,744		\$253,044,305
acker)	\$793,339,496	\$830,416,497	\$868,819,060

Forecast Allowed in Rates

ults	FY2021	\$7,702,079,955	7.99%	\$615,056,052	\$252,833,705	\$867,889,757
Assumed Actual Results	FY2020	,101,446 \$7,329,205,195 \$7,702,079,955	8.02%	\$587,478,587	\$242,213,020	\$829,691,607
Assı	FY2019	\$6,961,101,446	8.07%	\$561,453,473	\$231,365,744	\$792,819,217

8.07%	8.02%	7.99%
(\$403,279)	(\$561,091)	(\$718,703)
(\$117,000)	(\$163,800)	(\$210,600)
(\$520,279)	(\$724,891)	(\$929,303)
\$104.056	\$207.112	\$309.768
(\$520,279)	(\$724,891)	(\$929,303)
(\$416,223)	(\$517,779)	(\$619,535)

(\$9,000,000)

(\$7,000,000)

(\$5,000,000)

Difference - Regulatory Asset/(Liability)

LED Regulatory Asset

Net Plant Tracker Regulatory Liability (excluding LED)

Total Net Plant/Depreciation and LED Net Plant/Depreciation Tracker Combined Results in Net Regulatory Asset/(Liability)

Appendix 5 Schedule 15 Page 5 of 7 Case 17-E-0238 & 17-G-0239

> Assumes a Two Way LED Net Utility Plant/Depreciation Tracker Mechanism Assumes a One Way Downward Net Utility Plant/Depreciation Tracker Mechanism Example of LED Tracker and Net Utility Plant Reconciliation Mechanism Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239

Example 4 Net Plant/Depreciation Tracker

Under LED Net Plant/Depreciation Tracker

1) Do Not Record Net Utility Plant Regulatory Asset, since total Net Utility Plant is Under, but non-LED is Over Rate Allowance 2) Record LED Revenue Requirement Net Plant Underage as a Regulatory Liability

1) Assume all other components of net plant forecast results are higher than what's allowed in rates, and LED actual costs being lower than forecast in excess of total plant underage. Regulatory liability is generated from the LED tracker only:

Total Net Utility Plant/ Depreciation including LED Average Net Plant Pre-Tax Return % Return on Ratebase Depreciation Total Net Plant/Depreciation Revenue Requirement	Forecast Allowed in Rates  FY2019 FY2020 FY2021  \$6,969,686,893 \$7,347,161,806 \$7,729,004,989  \$0.7% 8.02% 7.99%  \$562,145,939 \$588,917,914 \$617,206,173  \$231,655,210 \$542,952,026 \$254,022,222  \$793,801,150 \$831,869,941 \$871,228,425	Assumed Actual Results  FY2019	Difference - Regulatory Asset/(Liability)  FY2019 FY2020 FY2021  (\$1,000,000) (\$2,000,000) (\$3,000,000)  8,07% 8,02% 7,99%  (\$80,650) (\$160,312) (\$239,568)  (\$23,400) (\$46,800) (\$70,200)  (\$104,056) (\$207,112) (\$309,768)
2) LED net plant/depreciation will be booked as a regulatory liability:			
LED Net Utility Plant/ Depreciation LED Average Net Plant Pre-Tax Return % Return on Ratebase LED Depreciation LED Net Plant/Depreciation Revenue Requirement	Forecast Allowed in Rates  \$3,585,447 \$10,956,610 \$17,925,034  \$07% \$8,02% \$7,92%  \$289,187 \$878,236 \$1,431,419  \$172,467 \$575,207 \$977,947  \$461,654 \$1,453,443 \$2,409,365	Assumed Actual Results    FY2019	Difference - Regulatory Asset/(Liability)   FY2019   FY2020   FY2021   FY2021   FY2021   FY2021   FY2031   FY2031   FY2031   FY2031   FY2031   FY2031   FY2031   FY2031   FY20313   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203135   FY203

Net the LED Tracker with the Total Net Plant Tracker:

Return on Ratebase (Net LED Tracker from Total Net Plant Tracker) Average Net Plant (Net LED Tracker from Total Net Plant Tracker) Net Utility Plant/ Depreciation Tracker Mechanism excluding LED

Depreciation (Net LED Tracker from Total Net Plant Tracker) Total Net Plant/Depreciation Revenue Requirement (Net of LED Tracker)

Total Net Plant/Depreciation and LED Net Plant/Depreciation Tracker Combined Results in Net Regulatory Asset/(Liability) Net Plant Tracker Regulatory Liability (excluding LED) LED Regulatory Liability

unts	FY2021	\$7,714,079,955		\$616,014,322	\$253,114,505	\$869,128,827	
Assumed Actual Kesults	FY2020	\$6,967,101,446 \$7,338,205,195 \$7,714,079,955	8.02%	\$588,199,989	\$242,423,620	\$830,623,609	
ASSI	FY2019	\$6,967,101,446	8.07%	\$561,937,408	\$231,506,144	\$793,443,552	

\$253,044,305

\$588,039,678 \$242,376,820 \$830,416,497

\$231,482,744 \$561,856,752 8 07% FY2019

7 99% \$615,774,754 \$868,819,060

\$6,966,101,446 \$7,336,205,195 \$7,711,079,955

Forecast Allowed in Rates

Assumed Actual Results

7 99% \$70,200

\$3,000,000

\$2,000,000 8 02% \$160,312

8 07% \$1,000,000

Difference - Regulatory Asset/(Liability)

\$80,656	\$160,312	\$239,568
\$23,400	\$46,800	\$70,200
\$104,056	\$207,112	\$309,768
(\$208,112)	(\$414,223)	(\$619,535
80	80	80
(\$208,112)	(\$414,223)	(\$619,535

(\$207,112)

(\$104,056)

Net Plant Tracker Regulatory Liability (excluding LED)

Total Net Plant/Depreciation and LED Net Plant/Depreciation Tracker Combined Results in Net Regulatory Asset/(Liability)

LED Regulatory Liability

Appendix 5 Schedule 15 Page 6 of 7 Case 17-E-0238 & 17-G-0239

> Assumes a Two Way LED Net Utility Plant/Depreciation Tracker Mechanism Assumes a One Way Downward Net Utility Plant/Depreciation Tracker Mechanism Example of LED Tracker and Net Utility Plant Reconciliation Mechanism Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239

Example 5 Net Plant/Depreciation Tracker

Under LED Net Plant/Depreciation Tracker

1) Do Not Record Net Utility Plant Regulatory Asset - One Way Downward Tracker 2) Record LED Revenue Requirement Net Plant Underage as a Regulatory Liability

1) Assume all other components of net plant forecast results exceed forecast allowed in rates, although LED actual costs are lower than forecast. No regulatory asset is generated from the net plant tracker and regulatory liability from LED tracker:

Difference - Regulatory Asset/(Liability)         FY2019       FY2020       FY2021         \$4,000,000       \$5,000,000       \$6,000,000         \$07%       \$02%       7.99%         \$322,623       \$400,779       \$479,135         \$93,600       \$117,000       \$140,400         \$416,223       \$517,779       \$619,535	Difference - Regulatory Asset/(Liability)  FY2019 FY2020 FY2021  (\$1,000,000) (\$2,000,000) (\$3,000,000)  8.07% 8.02% 7.99%  (\$80,656) (\$160,312) (\$239,568)  (\$134,400) (\$46,800) (\$70,200)  (\$104,056) (\$207,112) (\$399,768)	Difference - Regulatory Asset/(Liability)           FY2019         FY2020         S72020           \$5,000,000         \$7,000,000         \$9,000,000           \$6,000,000         \$0.2%         7.99%           \$403,279         \$561,091         \$718,703           \$117,000         \$163,800         \$210,600           \$520,279         \$724,891         \$929,303
Assumed Actual Results  FY2019 FY2020 FY2021  \$6,973,686,893 \$7,352,161,806 \$7,735,004,989  8.07% 7.99%  \$5562,468,563 \$589,318,693 \$617,685,308  \$231,748,810 \$243,069,026 \$254,162,652  \$794,217,373 \$832,387,720 \$871,847,960	Assumed Actual Results  FY2019 FY2020 FY2021  \$2,585,447 \$8,956,610 \$14,925,034  8.07% 8.02% 7.99%  \$208,531 \$71,7925 \$1,191,851  \$149,067 \$528,407 \$907,747  \$357,598 \$1,246,331 \$2,099,598	Assumed Actual Results  FY2019 FY2020 FY2021 \$6,971,101,446 \$7,343,205,195 \$7,720,079,955 8107% \$102% 57,720,079,955 \$562,260,031 \$588,600,769 \$616,493,457 \$231,599,744 \$242,540,620 \$253,254,905 \$793,859,775 \$831,141,388 \$869,748,362
Forecast Allowed in Rates         FY2019       FY2020       FY2021         \$6,969,686,893       \$7,347,161,806       \$7,29,004,989         8.07%       8.02%       7.99%         \$562,145,939       \$588,917,914       \$617,206,173         \$231,655,210       \$242,952,026       \$254,022,252         \$793,801,150       \$831,869,941       \$871,228,425	Forecast Allowed in Rates    FY2019	Forecast Allowed in Rates  \$6,966,101,446 \$7,336,205,195 \$7,711,079,955  \$6,966,101,446 \$7,386,205,195 \$7,711,079,955  \$8,0752 \$588,039,678 \$615,774,754 \$231,482,744 \$242,376,820 \$253,044,305 \$793,339,496 \$830,416,497 \$868,819,060
Total Net Utility Plant/ Depreciation including LED Average Net Plant Pre-Tax Retum % Return on Ratebase Depreciation Total Net Plant/Depreciation Revenue Requirement	2) LED net plant/depreciation will be booked as a regulatory liability:  LED Net Utility Plant/Depreciation LED Average Net Plant Pre-Tax Return % Return on Ratebase LED Depreciation LED Depreciation LED Net Plant/Depreciation Revenue Requirement	3) Net the LED Tracker with the Total Net Plant Tracker:  Net Utility Plant/ Depreciation Tracker Mechanism excluding LED Average Net Plant (Net LED Tracker from Total Net Plant Tracker) Pre-Tax Return % Return on Ratebase (Net LED Tracker from Total Net Plant Tracker) Depreciation (Net LED Tracker from Total Net Plant Tracker) Total Net Plant/Depreciation Revenue Requirement (Net of LED Tracker)

\$718,703

\$561,091 \$163,800 \$724,891

\$117,000

\$253,254,905 \$616,493,457

\$242,540,620 \$588,600,769

\$562,260,031 \$231,599,744 \$793,859,775

\$615,774,754 \$253,044,305 \$868,819,060

\$588,039,678 \$242,376,820 \$830,416,497

\$231,482,744 \$561,856,752

Depreciation (Net LED Tracker from Total Net Plant Tracker) Total Net Plant/Depreciation Revenue Requirement (Net of LED Tracker) Return on Ratebase (Net LED Tracker from Total Net Plant Tracker)

\$207,112 80

\$104,056

Appendix 5 Schedule 15 Page 7 of 7 Case 17-E-0238 & 17-G-0239

> Assumes a Two Way LED Net Utility Plant/Depreciation Tracker Mechanism Assumes a One Way Downward Net Utility Plant/Depreciation Tracker Mechanism Example of LED Tracker and Net Utility Plant Reconciliation Mechanism Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239

> > Example 6 Net Plant/Depreciation Tracker

LED Net Plant/Depreciation Tracker

Over Over

1) Do Not Record Net Utility Plant Regulatory Asset - One Way Downward Tracker 2) Record LED Revenue Requirement Net Plant Excess as a Regulatory Asset

1) Assume all other components of net plant forecast results are under what's allowed in rates, in addition to LED actual costs being lower than forecast. Regulatory liability is generated from the net plant tracker:

Total Net Utility Plant/ Depreciation including LED Average Net Plant Pre-Tax Return % Return on Ratebase Depreciation Total Net Plant/Depreciation Revenue Requirement	Foreast Allowed in Rates    FY2019	Assumed Actual Results    FY2019	Difference - Regulatory Asset/(Liability)           FY2019         FY2020         FY2021           \$6,000,000         \$9,000,000         \$12,000,000           \$0.7%         \$0.2%         7.99%           \$483,935         \$721,403         \$958,270           \$140,400         \$210,600         \$280,800           \$624,335         \$932,003         \$1,239,070
2) LED net plant/depreciation will be booked as a regulatory asset:			
LED Net Utility Plant/ Depreciation. LED Average Net Plant Pre-Tax Return % Return on Ratebase LED Depreciation FED Depreciation Revenue Requirement	Foreast Allowed in Rates    FY2019	Assumed Actual Results    FY2019	Difference - Regulatory Asset/(Liability)           FY2019         FY2020         FY2021           \$1,000,000         \$2,000,000         \$3,000,000           \$0.7%         \$0.2%         7.99%           \$80,656         \$160,312         \$239,568           \$23,400         \$46,800         \$70,200           \$104 056         \$70,711         \$319           \$104 056         \$207,117         \$319
3) Net the LED Tracker with the Total Net Plant Tracker:	200 C	office of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the stat	D october A cost (C.)
Net Utility Plant/ Depreciation Tracker Mechanism excluding LED Average Net Plant (Net LED Tracker from Total Net Plant Tracker) Pre-Tax Return %	\$6,966,101,446 \$7,336,205,195 \$7,711,079,955 8.02%	FY2019   FY2020   FY2020   S6,971,101,446   S7,343,205,195   S7,720,079,955   8,07%   8,02%   7,99%	FY2019   FY2020   FY2021   FY2021   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,000,000   S,00

LED Regulatory Asset

Total Net Plant/Depreciation and LED Net Plant/Depreciation Tracker Combined Results in Net Regulatory Asset/(Liability) Net Plant Tracker Regulatory Liability (excluding LED)

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Vegetation Management Program Costs (\$000's)

#### ELECTRIC EXAMPLE 1

		Electric e Year One	Electric Year Two	Electric Year Three
1	Actual Expense	\$ 70,000	\$ 74,000	\$ 78,000
2	Rate Allowance	\$ 71,844	\$ 74,653	\$ 76,220
3	Difference	\$ 1,844	\$ 653	\$ (1,780)
4	3 Year Cumulative Actuals	\$ 222,000		
5	3 Year Cumulative Rate Allowance	\$ 222,717		
6	Difference - underspend / (overspend)	\$ 717		
7	Deferral - Credit to Customer	\$ 717		

#### ELECTRIC EXAMPLE 2

		Electric Year One	Electric Year Two	Electric Year Three
1	Actual Expense	\$ 71,000	\$ 75,000	\$ 78,000
2	Rate Allowance	\$ 71,844	\$ 74,653	\$ 76,220
3	Difference	\$ 844	\$ (347)	\$ (1,780)
4	3 Year Cumulative Actuals	\$ 224,000		
5	3 Year Cumulative Rate Allowance	\$ 222,717		
6	Difference - underspend / (overspend)	\$ (1,283)		
7	Deferral	\$ -		

- 1 Hypothetical Actual Costs
- 2 Rate Allowance See Schedule 33
- 3 Line 2 less Line 1
- 4 Sum Line 1 for Rate Years 1-3
- 5 Sum Line 2 for Rate Years 1-3
- 6 Line 5 less Line 4

If cumulative actual costs for Rate Years 1-3 are less than cumulative rate allowances for the same period, the Deferral Credit to Customers will be equal to the cumulative amount underspent. If actual costs exceed the cumulative rate allowance, there will be no deferral.

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Electric Walk-In Payment Transaction Fees (\$000's)

#### ELECTRIC EXAMPLE

		lectric Year One	lectric Year Two	lectric Year Three
1	Actual Expense	\$ 1,200	\$ 1,000	\$ 1,500
2	Rate Allowance	 1,120	1,120	1,120
3	Amount Deferred to (from) customers	\$ (80)	\$ 120	\$ (380)

- 1 Input Actual Costs
- 2 Forecasted Rate Year expense. See Joint Proposal Section 10.2.5
- 3 Line 2 less Line 1

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Residential Solar Marketplace (\$000's)

# ELECTRIC EXAMPLE

		ectric Year One	ectric Year Two	ectric ear Three
1	Actual Revenues	\$ 200	\$ 400	\$ 600
2	Customer Share of Revenues	 80%	 80%	80%
3	Amount Deferred to Customers	\$ 160	\$ 320	\$ 480

- Input Actual Revenues 1
- 2 Customer Share - 80%; See Joint Proposal Section 10.2.9
- Line 1 multipled by Line 2

## Niagara Mohawk Power Corporation d/b/a National Grid Service Company Rents IS and GBE Program Net Plant and Depreciation Expense Reconciliation Mechanism Revenue Requirement Target For the Rate Years Ending March 31, 2019, March 31, 2020, and March 31, 2021

Forecast included in Revenue Requirement Settlement Total Revenue Requirement Target *Estimated Actual Results	То	Ending March 31, 2 otal Revenue stirement Target  34,418,944		Electric ue Requirement Return (a) 7,558,287 7,558,287 7,600,000	Electric nue Requirement Depreciation (b) 26,860,657 26,860,657 27,107,089
Total Revenue Requirement Actuals	\$	34,707,089	\$	7,600,000	\$ 27,107,089
Actuals higher/(lower) than Target	\$	288,145			
	To	Ending March 31, 2 tal Revenue tirement Target		Electric ae Requirement Return (a)	Electric nue Requirement Depreciation (b)
Forecast included in Revenue Requirement Settlement			\$	6,897,684	\$ 29,826,436
Total Revenue Requirement Target	\$	36,724,119	\$	6,897,684	\$ 29,826,436
*Estimated Actual Results			\$	6,780,000	\$ 29,650,000
Total Revenue Requirement Actuals	\$	36,430,000	•		\$ 29,650,000
Actuals higher/(lower) than Target	\$	(294,119)			
	To	Ending March 31, 2 tal Revenue iirement Target		Electric ue Requirement Return (a)	Electric nue Requirement Depreciation (b)
Forecast included in Revenue Requirement Settlement			\$	6,653,892	\$ 31,978,195
Total Revenue Requirement Target	\$	38,632,087	\$	6,653,892	\$ 31,978,195
*Estimated Actual Results			\$	6,620,000	\$ 32,144,812
Total Revenue Requirement Actuals	\$	38,764,812	\$	6,620,000	\$ 32,144,812
Actuals higher/(lower) than Target	\$	132,725			
3 Year Cumulative Revenue Requirement Actuals	\$	109,901,901			
3 Year Cumulative Revenue Requirement Target	\$	109,775,150			
3 Year Cumulative Actuals higher/(lower) than Target	\$	126,751			

Note: Downward only reconciliation - no amounts due from customer if actuals are higher than target \*Actual Revenue Requirement results will be calculated using the SC Rent Model

Service Company Capital Software alroaded to Updraing Companies as Rent Expense. For the Rate Year ended March 31, 2019																		
					Delivery of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the st			4/1/2018	3/31/2019		8.0710%	\$210E			52 10T			
			Balance at Fiscal	utal	Year End (FY 19)(After		Amortization				Service Co		ė			NIMO TRem - NIMO TRent	MO TRent-	
Line Investment Name	Programs Cohen Socurity	m	Year End (FY18)	Additions	Slippage/Cuts)	In Service Date	Period 84	4/1/2018 Balance	3/31/2019 Balance \$1.251.420	Average Balance		NIMOE Allocation	Return NIMO E	NIMO E Rent - Depn ,	Allocation 6.11% \$	Return 4850 S	Depn 12 244	
2 Risk Based Authentication - 2FA roken alternative	Cyber Security		S . S	235.080 .5	235.080	6/1/2018	ŧ	000°0000°116	8207.094	\$ 103.547	8.0710%	17.76% \$	618 8	4970	611% \$	213 \$	1.710	
3 INVP 3614D1 Ent Network Security	Cyber Security		\$ 9,674,142 \$		9,674,142	11/30/2017	ž	\$9,213,469	\$7,831,449	\$8,522,459		17.76% \$	88.787 \$	245,447	6.11% \$	30.546 \$	14.48	
	Cyber Security		8	8 000'008	800,000	7/1/2018	ž	8	\$714,286	\$357,143		17.76% \$	2,154 \$	15,223	6.11% \$	741 \$	5,237	
	Cyber Security	3683 G020	8	1,650,000 \$	1,650,000	6/1/2018	<b>z</b>	8	\$1,453,571	\$726,786		17.76% \$	4,341 \$	34,886	6.11% \$	1,493 \$	12,002	
6 Enhanced DLP Cateway and Endpoint	Cyber Security		200000	2,238,480 \$	2,238,480	10/1/2018	<b>z</b> 3	8 5	\$2,078,589	\$1,039,294	8.0710%	17.76% 5	6,444 5	28,397	6.11% 5	2,217 5	9,769	
INVP 3614B/ CNI Network Security 8 INVP 3614B4 138 CNI Security RE	Cyber Security Cyber Security		3 4,829,286 3 1340,144 S		1,340,144	12/31/2017	ž ž	\$1,292,282	\$1,100,833	\$1.196.557		17.76% 5	12.466 \$	34.001	611% 5	4289 5	11.698	
	Cyber Security		\$ 80,409 \$	469,591 \$	550,000	7/31/2018	æ	8	\$497,619	\$248,810		17.76% \$	1,515 \$	9,303	6.11% \$	521 \$	3,200	
	Cyber Security	3683 G020	\$ 241,228 \$	1,408,772 \$	1,650,000	8/31/2018	æ	08	\$1,512,500	\$756,250	8.0710%	17.76% \$	4,648 \$	24,420	6.11% \$	1,599 \$	8,401	
	Cyber Security		\$ 146,199 \$	853,801 \$	1,000,000	8/1/2018	<b>z</b>	8	\$904,762	\$452,381	8.0710%	17.76% \$	2,755 \$	16,914	6.11% \$	948 \$	5,819	
	Cyber Security	3683 0000	\$ 482,456 \$	4,741,561 \$	5,224,017	6/1/2019	æ 3	88	88	88	8.0710%	17.76% \$	90 9		611% \$			
15 Security Research Lab 14 US CNI Security Enhancements Phase 1	Cyber Security	3683 0020	241228 S	1.270.780 \$	1512.008	6/1/2019	ŧæ	8 8	8 8	8 8	8.0710%	17.76% \$			6.11% 5			
	Cyber Security		8	1,740,000 \$	1,740,000	3/31/2019	ž	8	\$1,740,000	\$870,000	8.0710%	17.76% \$	5,657 \$		6.11% \$	1,946 \$		
16 Domain Based Security Phase 1	Cyber Security	3683 G020		8 000'008	800,000	3/31/2019	æ	8	\$800,000	\$400,000	8.0710%	17.76% \$	2,601 \$		6.11% \$	8 8 8 8		
	Cyber Security		s - s	1,120,783 \$	1,120,783	5/1/2019	28	8	8	8	8.0710%	17.76% \$			6.11% \$		,	
	Cyber Security		s	4,090,466 \$	4,090,466	5/1/2019	ž	8	8	8	8.0710%	17.76% \$			6.11% \$			
	Cyber Security			269,465 \$	269,465	3/31/2020	æ :	8	8	8	8.0710%	17.76% \$			6.11% \$			
20 Identity & Access Management: Shated Area Access Management 21 Secondar Incidence Denote Management Disease	Cyber Security			2 86,086 5	246.086	5/31/2020	ž s	8 8	8 8	8 8	8.0710%	17.76% 5			6.11% 5			
	Cydea Security			1400,000 \$	1400 000	4/1/2021	. 3	8 8	8 8	8 8	8 0710%	17.76%			611%			
	Cyber Security	3683 0020		246,948 \$	246.948	5/1/2021	ŧ	8 8	8 8	8 8	8.0710%	17.76% \$			6.11% 5			
	Cyber Security			\$ 000,000	200,000	5/1/2021	ž	8	8	8	8.0710%	17.76% \$			6.11% \$			
	Cyber Security		8 .			10/1/2021	æ	08	08	8	8.0710%	17.76% \$			6.11% \$			
26 US CNI Security Enhancements - Phase 2	Cyber Security		8 .			11/1/2021	ž	8	8	8	8.0710%	17.76% \$			6.11% \$			
	Cyber Security		90	95		12/1/2021	2 :	8	8	8	8.0710%	17.76% \$	9		6.11% \$			
	DPU Mandate					5/26/2017	æ i	08	06	8 8	8.0710%	0000%			0000%			
29 INVP-4-03 Double Pole Again DB 30 INVP-4-32 Contineers Labor Admin Renlacement	F Y 18 Plan		250,433		259,653	220/2017	ž ž	\$219.481	\$182,385	\$300,933	8.0710%	17.76% \$	2 169 \$	#06°C7	611% \$	. 246	2 267	
	FY18 Plan		6 100,002 8 - 8		100,602	3/2/017	ŧ	08	Sec. 2016	08	8.0710%	0.00%	5 501.7	00 cm	0.00%	9 .	07.7	
	FY18 Plan	4188 G148	\$ 854.204 \$		854,204	12/1/2017	ŧ	\$813.527	\$601,498	\$752.513	8.0710%	18.77% \$	8.286 \$	22,905	6.43% \$	2838 5	7.846	
	FY18 Plan		\$ 2,256,401 \$		2,256,401	12/1/2017	ž	\$2,148,953	\$1,826,610	\$1,987,781	8.0710%	17.76% \$	\$ 60,700	57,248	6.11% \$	7,124 \$	19,695	
	FY18 Plan		\$ 13,464,281 \$		13,464,281	7/31/2017	ž	\$12,181,969	\$10,258,500	\$11,220,235	8.0710%	17.76% \$	128,610 \$	341,608	6.11% \$	44,246 \$	117,524	
	FY18 Plan		\$ 2,303,959 \$		2,303,959	3/31/2018	æ :	\$2,303,959	\$1,974,822	\$2,139,390	8.0710%	17.76% \$	22,288 \$	58,455	6.11% \$	7,668 \$	20,110	
36 S005242 M112 Systemic Improvement	FYIS Plan		8,275,650 5		8,275,650	12/1/2017	120	57,999,795	57, 172,230	57,586,012	8.0710%	17.76% \$	79,031 \$	146,976	6.11% 5	27,189 5	50,564	
	FYIS Plan	4280 0000	3826068 8		3806,479	3/3/2017	ž s	\$1,272,837	51,081,912	\$1,177,375	8.0710%	17.76% 5	23 083 8	55,9U8 07.072	6.11%	4,220 5	11,000	
	FY18 Plan	4642 0020	3207,476 \$		3.207.476	3/31/2017	ŧ	\$2,749,265	\$2,291,054	\$2,520,159	8.0710%	17.76% \$	27,661 \$	81,378	6.11% \$	9513 \$	27.997	
	FY18 Plan		\$ 4,138,561 \$		4,138,561	3/31/2017	ž	\$3,547,338	\$2,956,115	\$3,251,726	8.0710%	17.76% \$	35,677 \$	105,001	6.11% \$	12,274 \$	36,124	
	FY18 Plan		\$ 1,100,000 \$	1,000,000 \$	2,100,000	4/1/2018	¥	\$2,100,000	\$1,800,000	\$1,950,000	8.0710%	17.76% \$	20,315 \$	53,280	6.11% \$	\$ 686'9	18,330	
	FY18 Plan	r)	\$	90 1		4/10/2017	æ 3	8	8	8	8.0710%	\$ 9000	8		\$ 9000			
43 INVP 4631 Box Enablement	FYIS Plan		254,000 5		254,000	3/31/2018	z a	\$254,000	\$217,714	\$235,857	8.0710%	17.76% 5	2,457 5	6,444	6.11% 5	999	2,217	
	F Y 18 Plan	420 6198	5 2,0.0,145 5 S 705.521 S		705 521	5/23/2017	ž ž	\$6,525,695	8530,742	32, 134,342 8571 136	8.0710%	41 93% S	15.497 8	42.261	0.00% \$	8,432	60,52	
	FY18 Plan		\$ 000,000		000'809	3/31/2018	ŧ	\$608,000	\$521,143	\$564.571	8.0710%	17.76% \$	5.882 \$	15.426	6.11% \$	2024 \$	5.307	
	FY18 Plan		s 1,702,730 s		1,702,730	7/31/2017	. z	\$1,540,565	\$1,297,318	\$1,418,942	8.0710%	17.76% \$	16,264 \$	43,201	6.11% \$	5,595 \$	14,862	
	FY18 Plan	9	\$ 1,000,000 \$		1,000,000	3/31/2018	ž	\$1,000,000	\$857,143	\$928,571	8.0710%	17.76% \$	9,674 \$	25,371	6.11% \$	3,328 \$	8,729	
	FY18 Plan	<b>#</b> :	\$ 7,067,413 \$		7,067,413	11/30/2017	æ :	\$6,730,870	\$5,721,239	\$6,226,055	8.0710%	17.76% \$	64,863 \$	179,310	6.11% \$	22,315 \$	889'19	
50 Mothing - (MDM) Mothie Device 51 Channes to ACIS for PACC Civil Mander Billion	FYIS Plan	3430 0030	382 000 8		382 000	12/2/2012	ž a	\$1,154,333	\$308,333	\$1,051,333	8.0710%	30.74%	6.068 \$	29,482	0.11% 5	3,768 5	5 007	
	FY18 Plan		\$ 1,386,701 \$		1,386,701	3/1/2018	. z	\$1,370,193	\$1,172,093	\$1,271,143	8.0710%	17.76% \$	13,243 \$	35,183	6.11% \$	4,556 \$	12,104	
	FY18 Plan	-	\$ 804,825 \$		804,825	1/30/2018	æ	\$785,663	\$670,688	\$728,175	8.0710%	17.76% \$	7,586 \$	20,420	6.11% \$	2,610 \$	7,025	
54 US Control-Gas System Operating Procedure (SOP) Upgrade	FY18 Plan	4480 G210	5 79,240 \$	417,432 \$	496,672	5/1/2019	æ 3	08	08 000	8 8	8.0710%	\$ 9000	\$		000% \$			
	FY18 Plan	2 39	375.000 s		375,000	10/31/2017	ŧæ	\$352,679	\$259.107	\$325,893	8.0710%	41.93% \$	8,016 \$	22.463	0.00% \$	5 .	100,0	
	FY18 Plan	~	\$ 3,855,044 \$		3,855,044	11/1/2017	æ	\$3,625,577	\$3,074,856	\$3,350,217	8.0710%	17.88% \$	35,139 \$	98,469	6.15% \$	12,086 \$	33,869	
	FY18 Plan	32	\$ 838,000 \$		838,000	11/1/2017	ž	\$788,119	\$668,405	\$728,262	8.0710%	17.94% \$	7,664 \$	21,477	6.17% \$	2,636 \$	7,386	
	FY18 Plan	20 5	\$ 325,000 \$		325,000	12/1/2017	æ 3	\$309,524	\$263,095	\$286,310	8.0710%	000%	90 1		8 9000			
60 Cas Service Database - DNY (LL and NY C) 61 Substation Meniorism-DisplaceMS	FYIS Plan	3948 G223				124/2017	ž a	3 5	3 3	8 8	8.0710%	9000			000%			
62 Gas Capital Investment Planning Tool	FY18 Plan	2 32	83.626 \$	440.537 \$	524,163	9/1/2019	ŧæ	8 8	8 8	8 8	8.0710%	000%			000% \$			
	FY18 Plan	CZ.	\$ 65,789 \$	346,576 \$	412,366	9/1/2019	26	8	98	8	8.0710%	30.74% \$			10.99% \$		,	
	FY18 Plan	20	\$ 1180,117 \$	948,849 \$	1,128,966	61/2/1/6	æ :	8	8	8	8.0710%	17.76% \$			6.11% \$			
65 Ageing System Stabilization Upgrades - FY18	FYIS Plan	4389 G148	219,298 5	1,155,255 \$	1,374,553	6/30/2019	æ 3	8 19 325	8 8	08 05 700 8	8.0710%	18.77% 5	S 100 CI	22211	0.43% 5		- 11 000	
	FY18 Plan		\$ 506,000 \$		506,000	3/31/2018	ŧæ	\$506,000	\$433,714	\$469.857	8.0710%	30000	\$	He'ee	0.00%		11,303	
	FY18 Plan		\$ 1,602,226 \$	8	1,602,226	3/31/2018	120	\$1,602,226	\$1,442,003	\$1,522,114	8.0710%	17.76% \$	15,857 \$	28,456	6.11% \$	5,455 \$	9,790	
	FY18 Plan		\$ 4,500,000 \$		4,500,000	3/31/2018	æ	\$4,500,000	\$3,857,143	\$4,178,571	8.0710%	17.76% \$	\$ 968'68	114,171	6.11% \$	20,606 \$	39,279	
	FY18 Plan	~ .	\$ 4,142,700 \$		4,142,700	3/31/2018	æ 3	\$4,142,700	\$3,550,886	\$3,846,793	8.0710%	17.76% \$	40,076 \$	105,106	6.11% \$	13,787 \$	36,160	
71 US CNI Lech Setvices-network Equipment Latecycle Replacements 72 US CNI-EMS Lifecycle Hardware and Software Upgrade	FY18 Plan	45.68 U186	\$ 3213,537 \$	, 00	3,213,537	3/31/2018	ž ž	\$3,213,537	\$2,754,461	\$2,983,999	8.0710%	26.20% \$	45,861 \$	120,278	35.42% \$	62,000 \$	162,605	
	FY18 Plan	22	\$ 36,550 \$	167,542 \$	204,092	5/1/2019	æ	8	8	8	8.0710%	17.76% \$			6.11% \$			
74 Application monitoring, Network/IDS, Operations monitoring	FY18 Plan	4677 G020	\$ 675,000 \$		675,000	3/31/2018	ž	\$675,000	\$578,571	\$626,786	8.0710%	17.76% \$	6,530 \$	17,126	6.11% \$	2,246 \$	5,892	
	FY18 Plan	4689 G020	\$ 45,000 \$		45,000	3/31/2018	ž	\$45,000	\$38,571	\$41,786	8.0710%	17.76% \$	435 \$	1,142	6.11% \$	150 S	303	

									4/1/2018	3/31/2019		8.0710%	5210E				\$210T			
			Fone	as and Balance at Fiscal F		Forecasted Balance after Fiscal Year End (FV 1914 After		Amortization			-	Service Co		NIMO F. Rent.	Rent.			NIMO TRent. N	NIMO TRent-	
Line Investment Name	Programs	INVP# Bi	_	Year End (FY18) Additions		Slippage/Cuts)	且	Period	4/1/2018 Balance	3/31/2019 Balance			NIMO E Allocation			NIMO ERent - Depn /		Return	Depn	
	FY18 Plan			536,718 \$		\$ 536,718		38	\$460,044	\$383,370	\$421,707	8.0710%	17.76%	s	4,627 \$	13,617	6.11% \$	1,592 \$		
	FY18 Plan		3310 \$		,		3/31/2017	26	8	8	8	8.0710%	90000	s	90	,	\$ %000	9		
	FY18 Plan		0.170	\$ 000'069	. !	000'009		æ i	\$630,000	\$540,000	\$585,000	8.0710%	40.06%	s ·	13,747 \$	36,054	\$ %000	. !	. :	
	FY18 Plan		30.20	2,012,928 5	1,151,472	3,164,400	8/1/2018	zi a	88	52,750,014	\$1,375,007	8.0710%	72.76%	, ,	8,129 5	73,595	6.11%	2,797 8	25,319	
<ol> <li>Carl Centa Customer Contact Centeriolic Lecturology Oggitale imprention Soldium</li> <li>IS MDS-Energy Accounting System (FAS) migration to Wholesale Settlement Application (WSA)</li> </ol>	FY18 Plan		3186	8 -	654.709	654.799		ŧ	8 8	321,002,130	310,001,003	8.0710%	30.74%		8 - 1	ORT'ICH	10.99%			
	FY18 Plan		G160 S	7,683,338 \$	1,276,942	\$ 8,960,280	_	ž	8	\$8,640,270	\$4,320,135	8.0710%	27.24%	s	42,122 \$	87,171	9.63% \$	14,891 \$	30,817	
	FY18 Plan		343 \$	\$			3/1/2019	ž	8	8	8	8.0710%	96000	s	8		\$ %000			
	FY18 Plan		3148		235,243	\$ 235,243	5/1/2019	z a	8 8	8 8	8 8	8.0710%	18.77%	s 1	s :		6.43% \$			
CKLS Data Archival     CKLS Data Archival     Reniament Lifecucle Reniaments	F 118 Flan	8570	2 8 0				3/31/2019	ž ž	8 8	8 8	8 8	8.0710%	30.74%				10.99%			
	FY18 Plan		30.20	129,283 \$		\$ 129,283	3/31/2017	3	\$110,814	892,345	\$101,580	8.0710%	17.76%	· s	1,115 \$	3,280	6.11% \$	383	1,128	
	FY18 Plan		HI 73 \$		٠		3/31/2019	ž	8	08	8	8.0710%	19.12%	s			\$ %000			
	FY18 Plan	3737 (	2210 \$	16,808,477 \$	1,500,000	\$ 18,308,477	3/31/2020	ž	8	8	8	8.0710%	%0000	s	· ·		\$ %000			
	FY18 Plan		\$ 0000		216,000	\$ 216,000	5/1/2021	ž	98	08	8	8.0710%	17.76%	s			6.11% \$			
	FY18 Plan		3327 \$		300,000	300,000	10/15/2022	z :	8	8	8	8.0710%	18.70%	s.	90		6.41% \$			
92 Risk Management (Tx Mans & Dx Mans) 93 AM December Leadarchin 1	GBE- As set Management		210 5	2,110,800 \$		1,899,720	2/1/2017	120	\$1,836,396	\$1,646,424	\$1,741,410	8.0710%	9000	v v			9000			
	GRE- Asset Management		2 01 02	2059 930 C	600 945	2394.788	12/1/2018	120	9	S 314 961	\$1.157.481	8.0710%	0000				0000			
	GBE-Asset Management		2210 S	· ·	604.233	543.810	2/1/2019	120	8	\$534,746	\$267.373	8.0710%	0000				\$ %000			
	GBE- Asset Management		C210 \$		398,676	\$ 358,808	3/1/2019	120	8	\$355,818	\$177,909	8.0710%	9000	s	s	,	\$ %000	9		
	GBE- Asset Management		2210 \$	2,426,395 \$	5,983,122	\$ 7,568,565	3/1/2019	120	98	\$7,505,494	\$3,752,747	8.0710%	96000	s	8 -	,	\$ %000			
	GBE- Asset Management		C210 S	\$	979,407	881,466	6/1/2019	120	8	8	80	8.0710%	90000	s			\$ %000			
	GBE- Asset Management		C210 \$		371,868	334,682	10/1/2019	120	8	8	8	8.0710%	90000	s	90		\$ %000			
	GBE- Asset Management		C210				3/1/2020	120	8	8	8	8.0710%	90000	s i	\$ 1		\$ 9000			
	GBE- Asset Management		210		1,729,295	5 1,556,366	9/1/2020	120	8 8	8 8	8 1	8.0710%	9000	v 1			0000%			
10.2 Asset Analytics integration	GBE- Asset Management		0 0 0				12/1/2020	120	8 8	8 8	8 8	8.0710%	9000	n v			9000			
	GBE-Asset Management		C2 10 S		1.250.000	1.125.000	12/2/2020	120	8	8 8	8	8.0710%	000%	. «			8 %000			
	GBE- As set Management		C210 S				3/1/2021	120	8	8	8	8.0710%	%000	s			\$ %000			
	GBE- Asset Management		C210 \$	\$			3/1/2021	120	98	8	8	8.0710%	96000	s			\$ %000			
	GBE- As set Management	4572 (	C210 \$				3/1/2021	120	8	8	8	8.0710%	96000	s	95		\$ %000			
	GBE- Business Enablement		2210 \$	117,297 \$		\$ 105,567	3/1/2018	120	\$104,687	894,131	899,409	8.0710%	%000	s			\$ 9000			
	GBE. Business Enablement	4572	2310	689,043 \$		\$ 620,139	3/1/2018	120	\$614,971	\$552,957	\$583,964	8.0710%	90000	s o	90 1		9000			
110 Program January Managaman, 2	CBE- Business Emphanent		2 2 2		180,51	00,200	3/1/2019	120	8 8	\$02,133	501,100	8.0710%	00000				0000			
	GRE- Business Enablement		200		1.516.310	1364.679	3/1/2019	120	8 8	\$1.353.306	\$676.653	8.0710%	0000				0000			
	GBE- Business Enablement		C210 S				3/1/2020	120	8	8	8	8.0710%	96000	· s			\$ %000	. %		
	GBE- Business Enablement		C210 \$				3/1/2020	120	98	8	8	8.0710%	96000	s			\$ %000			
	GBE- Business Enablement		C210 S	\$			3/1/2021	120	8	8	8	8.0710%	90000	s.			\$ %000			
116 Program Learning Management-4	GBE-Business Emblement	4572	23.0				3/1/2021	120	88	8 8	8 8	8.0710%	90000	v v			3000			
	GBE-Customer Engagement		200 0		260.229	234.206		120	8 8	\$232.254	\$116.127	8.0710%	000%	. «			000%			
	GBE-Customer Engagement		C210 S		889'629'9	8 611,719	6/1/2019	120	8	08	8	8.0710%	%000		. ~		\$ %000			
	GBE- Customer Engagement		C210 \$	\$	1,780,471	\$ 1,602,424		120	98	8	8	8.0710%	96000	s			\$ %000			
	GBE- Customer Engagement	4572 (	C210 \$		3,871,396	3,484,256	10/1/2019	120	98	08	8	8.0710%	96000	s			\$ %000			
	GBE- Customer Engagement		C210				3/1/2020	120	8 8	8 8	8 1	8.0710%	90000	so o	90 1		9000		,	
12.5 CKM / Contact Conter 12.4 Tares Commercial & Landlord Interaction	GBE-Customer Engagement		200		15,200,000	15,080,000	2/1/2020	120	8 8	8 8	8 8	8.0710%	9000	n v			9000			
	GBE- Customer Engagement	4572 (	C210 S				7/1/2020	120	8	8	8	8.0710%	90000				\$ %000			
	GBE-Customer Engagement		C2 10 \$				1/1/2021	120	98	98	8	8.0710%	96000	s			\$ %000			
	GBE-Customer Engagement		C210 \$	8	•		3/1/2021	120	8	08	8	8.0710%	%000	s			\$ %000			
	GBE. Data Management		C210	11,100,000 \$		000'066'6	12/1/2017	120	89,657,000	58,658,000	89,157,500	8.0710%	90000	s o	90 1		9000		,	
12.9 Data management & Covernance Frogram Leaders in p-1. 13.0 Enable the Data Archive Process	GBE- Data Management	4572	C210 s	e 80'00	2.111.916	1900,724	3/1/2019	120	80	\$1.884.885	\$942,442	8.0710%	9000				000%			
	GBE- Data Management		2210 \$		87,954	8 79,159	3/1/2019	120	8	\$78,499	\$39,249	8.0710%	%000				\$ %000			
	GBE- Data Management		C2 10 \$				3/1/2020	120	98	8	8	8.0710%	96000	s	8 -	,	\$ %000			
	GBE-Information Services Enabling		2210 \$	6,080,111 \$	•	\$ 5,472,100	11/1/2017	120	\$5,244,096	\$4,696,886	\$4,970,491	8.0710%	%000	s			\$ %000			
	GBE-Information Services Enabling		230	78,624 5		5 70,762	12/1/2017	120	\$68,403	\$61,327	\$64,865	8.0710%	90000	s o	90 1		9000			
155 Application (Environment) intrastructure 136 Develorment Operations & RPA Frabblement-1	GBE-Information Services Enabling GRE, Information Services Enabline	4572	210 8	2903930 8		2613 528	3/1/2018	120	\$2,191,737	\$1,000,040	\$2,461,072	8.0710%	9000				000%			
	GBE- Information Services Enabling		210 \$	4,765,187 \$		\$ 4,288,668	3/1/2018	120	\$4,252,929	\$3,824,063	\$4,038,496	8.0710%	96000				\$ %000			
	GBE- Information Services Enabling		2210 \$	604,790 \$	•	\$ 544,311	3/1/2018	120	\$539,775	\$485,344	\$512,559	8.0710%	96000	s	8 -	,	\$ %000			
	GBE-Information Services Enabling		2210 \$	\$ 000,000	557,768	\$ 951,992	8/1/2018	120	8	\$888,526	\$444,263	8.0710%	%000	s			\$ %000			
	GBE- Information Services Enabling		2210 \$		2,562,011	\$ 2,305,810	3/1/2019	120	8	\$2,286,595	\$1,143,297	8.0710%	90000	s i	\$ 1		\$ 9000			
14.1 SAF and Application Integration Development - Rebase 1-2 14.2 SAF and Application Integration Development - Rebase 2-1	GBE-Information Services Enabling GBE-Information Services Enabling	4572	210 5		4,548,108	4,095,551	3/1/2019	120	3 5	\$4,059,240	\$2,029,620	8.0710%	90000	n v			9000			
	GBE-Information Services Enabling		210 8		920.536	828,483	3/1/2019	120	8	\$821.578	\$410,789	8.0710%	9000			,	9000			
	GBE- Information Services Enabling		2210 \$		. •		3/1/2020	120	8	98	8	8.0710%	%0000	s	8		\$ %000			
	GBE- Information Services Enabling		.210 \$			•	3/1/2020	120	98	08	8	8.0710%	96000	s			\$ %000			
146 SAP and Application Integration Development - Release 2-2	GBE-Information Services Enabling	4572 (	C310				3/1/2020	120	88	88	88	8.0710%	%0000	so o			\$ 9000			
	GBE- Information Services Enabling		2 017				3/1/2020	130	8 8	8 8	8 8	8.0710%	0000				2000			
	GBE-Information Services Enabling GBE-Information Services Enabling	4572	210 \$	490,509 \$	1,034,882	1372.852	12/1/2020	120	3 8	8	8	8.0710%	9000	, 00			0000			
	GBE- Information Services Enabling		210 \$				3/1/2021	120	8	8	8	8.0710%	%000	. «	. ~		\$ %000			

Service Company Lagitia software absoluted to Updrating Companies as Kent Expense. For the Rate Your ended Maxch 31, 2019																			
						Forecasted Balance after Fiscal			4/1/2018	3/31/2019		8.0710%	5210E			52 10T			
	Programs		Fe Bill Pool	recasted Balance at Fiscal Year End (FY18)	FY19 Incremental Additions	Year End (FY 19) (After Slimnaes/Cuts)	In Service Date	Amortization	4/1/2018 Balance	3/31/2019 Balance	Average Balance	Service Co Return N	IMO E Albeatio	NIMOE Rent-	NIMO ERent - Dem	NIMOT	NIMO TRent- Return	NMO TRent-	
151 SAP and Application Integration Development-Release 1-4	GBE-Information Services Enabling	4572	C2 10 \$				3/1/2021	120	8	8	8	8.0710%	96000						
	GBE-Information Services Enabling		C210 \$				3/1/2021	120	8	8	8	8.0710%	%000		s	%000			
	GBE-Information Services Enabling		020				3/1/2021	120	08 00	8 80 80	8 :0	8.0710%	90000			90000			
	GBE- Portfolio Office	4572	0.00	1,958,277		5 1,762,449	3/1/2018	120	\$1,747,762	\$1,571,517	\$1,659,640	8.0710%	9000			9000			
	GBE- Portfolio Office		C210 \$		2,144,482	8	3/1/2019	120	8	\$1,913,950	\$956,975	8.0710%	%000			%000			
157 Solution Architects & Agile Coaches-2 158 Portfolio Manacement Leadershin,3	GBE- Portfolio Office GBE- Portfolio Office	4572	3 20		3,964,632	s v	3/1/2019	120	8 8	53,538,434	\$1,769,217	8.0710%	%000			%000			
	GBE- Portfolio Office		C210 S				3/1/2020	120	8	8	8	8.0710%	%000			%000			
	GBE-Portfolio Office		C210 S			s	3/1/2021	120	98	08	98	8.0710%	%000			%000			
	GBE-Supply Chain		2000	000000	565,045	5 508.541	3/1/2019	120	8 8	\$504.303	\$252,151	8.0710%	%0000 0000%			%000 0000			
163 Supply Chain Program Leadership	GBE-Supply Chain		C210			s	3/1/2020	120	8	8	8	8.0710%	%000			%000			
	GBE-Work Management		C210 S	3,004,085		8	12/1/2017	120	\$2,613,554	\$2,343,186	\$2,478,370	8.0710%	%000			%000			
165 WMFEP Program Lendership-1 166 Conversion and LER Work	GBE- Work Management GBE, Work Management		3 20 0	234,013	090 929 21	v v	3/1/2018	120	\$208,857	\$187,795	\$198,326	8.0710%	%000			%000			
	GBE- Work Management		C210	Total Total	1,658,439		11/1/2018	120	8 8	\$1,430,404	\$715,202	8.0710%	9000			9000			
	GBE- Work Management		C210 \$		563,692	s	3/1/2019	120	8	\$503,095	\$251,548	8.0710%	%000			%000			
	GBE-Work Management		C210 \$	2,366,407	1,773,327	s	10/1/2019	120	98	98	8	8.0710%	%000			96000			
	GBE- Work Management GBE, Work Management		3 2 2	1,274,219	954,868	\$ 2,006,178	10/1/2019	120	8 8	8 8	8 8	8.0710%	47.71%			%000			
	GBE- Work Management		C198 S	641,390	4,789,753		10/1/2019	130	8	8	8	8.0710%	47.71%			0000			
	GBE-Work Management		C210 \$			8	3/1/2020	120	8	8	8	8.0710%	%000			%000			
	GBE-Work Management		C210				6/1/2020	120	8	8	8	8.0710%	%000			%000			
	GBE-Work Management		220		1,832,544	5 1,649,290	9/1/2020	120	88	88	88	8.0710%	%000			9000			
17. Work Forecasting & Planning - solution	GBE-Work Management	4572	2 20 20 20 20 20 20 20 20 20 20 20 20 20				5/1/2021	120	8 8	8 8	8 8	8.0710%	9000			90000			
	GBE-Work Management	4572	C210 \$				6/1/2021	120	8	8	8	8.0710%	%000			%000			
	GBE-Work Management	4572	C210		. :	s i	3/1/2022	120	8	8	8	8.0710%	%000			%000			
180 Customer Experience Transformation-Communication Preference Management 181 Conformat Repairing Three formation, Modecount Donal	Growth Play Book-CXT	4130	612		2 863 062	· ·	9/1/2019	z 3	8 8	8 8	8 8	8.0710%	23.28%			9000			
	Growth Play Book-Pinance	4222	0000	922,028	617,972		3/1/2019	ŧz	8 8	\$1,521,667	\$760,833	8.0710%	17.76%	\$ 4,911	. 3,256	6.11%	\$ 1,690	1,120	
	Growth Play Book-Finance	4217	G020 S	1,034,358	3,608,642	·	3/31/2019	z	8	\$4,643,000	\$2,321,500	8.0710%	17.76%	\$ 15,094		6.11%	\$ 5,193		
184 US SAP: FERC on Hana (FOH)	Growth Play Book-Finance	4563	0000		442,933	\$ 442,933	10/30/2019	æ a	8 8	8 8	8 8	8.0710%	17.76%			6.11%			
	NY REV / Gad Mod	0.73	5210E 5	8 526 273	, t.1961,129		3/31/2017	8 38	57 308 73	\$6.090.195	\$6,690,214	8.0710%	72.91%	5 301748	. \$ 888.072	0000			
	NY REV / Grid Mod	4704K	G198 S	Contraction of the Contraction	2,500,000		9/30/2020	3 3	06	08	96	8.0710%	41.93%			96000			
	NY REV / Grid Mod	4704P	5210E \$		308,482	s	4/1/2020	z	8	8	8	8.0710%	100,00%			96000			
	NY REV / Grid Mod	4704D	5210E S		532,244	\$ 532,244	5/1/2020	æ a	8 8	8 8	8 8	8.0710%	100,009			%000			
190 AMI - CSS Folkmowners	NY REV / Gad Mod	4704A	22100				3/31/2021	ž ž	8 8	8 8	8 8	8.0710%	72.91%			0000			
	NY REV / Grid Mod	4704C	C113 \$		1,035,000	\$ 1,035,000	3/31/2021	. z	8	8	8	8.0710%	72.91%			9000			
	NY REV / Gnd Mod	4704F	\$210E \$				3/31/2021	<b>z</b>	8	8	8	8.0710%	100.00%			%000			
194 AMI - Telecoms 195 Out-toor Lishting Invanious Bortal	NY REV / Gad Mod	4704	5210E 5		320.514	330,514	3/31/2021	æ a	8 8	8 8	8 8	8.0710%	100,00%			9000			
	NY REV / Gaid Mod	2	5210E S		*IC'DIC		5/1/2021	ŧ 🗆	8 8	8 8	8 8	8.0710%	100.00%			9000			
	NY REV / Grid Mod	4704G	\$210E \$				3/31/2022	z	8	8	8	8.0710%	100,00%		s	%000			
	NY REV / Gad Mod	47041	5210E \$				3/31/2022	<b>z</b> :	8 8	8 8	8 8	8.0710%	100.00%	95 1		90000			
199 AMI - Enterprise Service Bus & API Integration 200 AMI - Enterprise Service Bus & API Integration	NY REV / Gad Mod NY REV / Gad Mod	47043	C113				3/31/2022	z z	8 8	3 5	8 8	8.0710%	72.91%			9000			
	NY REV / Grid Mod	4704L	C113				3/31/2022	z	8	8	8	8.0710%	72.91%			90000			
202 AMI-Info Mgt & Advanced Analytics	NY REV / Grid Mod	4704L	\$210E \$				3/31/2022	z	98	98	8	8.0710%	100.00%	2	2	9000			
	NY REV / Gad Mod NY REV / Gad Mod	4704M	C113				3/31/2022	z z	8 8	8 8	8 8	8.0710%	72.91%			9000			
	NY REV / Grid Mod	4704N	C113 \$				3/31/2022	. z	8	8	8	8.0710%	72.91%			0000			
	NY REV / Gnd Mod	4704N	5210E \$			s	3/31/2022	<b>z</b> :	8	08	8	8.0710%	100.00%			%000			
20 Kesateman Solar Manacipace 208 INVP 3882 NYS Pineline Safew CMS	Office Mandates	3885	G207 S	1.668.447	nor*sc	s 1,668,447	12/16/2016	R Z	\$1,370,510	\$1,132,161	\$1,251,335	8.0710%	000%			9000			
	Other Mandates	3851	G181 S	1,234,000		\$ 1,234,000	3/31/2018	ž	\$1,234,000	\$1,057,714	\$1,145,857	8.0710%	74.79%	\$ 50,271			\$ 16,945	\$ 44,442	
	Other Mandates	4400	0000	1,126,000		\$ 1,126,000	12/31/2017	<b>z</b> :	\$1,085,786	\$924,929	\$1,005,357	8.0710%	17.76%	\$ 10,474	8 1	6.11%	\$ 3,603	8 9,828	
21. US Contro-Gas Electronic Bullstin Board (EBB) Upwade	Office Mandates	4479	G210 S210 S210	1561.667	1,438,333	3000,000	5/1/2018	ž ž	8 8	\$2,607,143	\$1,303.571	8.0710%	0.00%			0.00%			
	Other Mandates		G020 S			8	3/31/2019	z	98	80	98	8.0710%	17.76%			6.11%			
	Other Mandates		0000				3/31/2020	<b>z</b> 3	8 8	8 8	8 8	8.0710%	17.76%			6.11%			
	Officer Mandates Physical Security		888	2719184		5 2719184	3/31/2021	z z	80 330 730	90 81 942 275	98 138 50 90	8.0710%	17.76%	S 73.441	. 8990	6.11%	. s	. 23.735	
	Physical Security		G286 S				3/31/2017	: 35	8	8	8	8.0710%	90000			96000			
	Physical Security		G423 \$				3/31/2017	35 1	98	8	06	8.0710%	%000		s	96000			
	Physical Security Physical Security		G 41 5 8	930,000		5 930,000	3/31/2018	z z	\$930,000 \$490,000	\$814,286	\$482,143	8.0710%	63.00%	S 9,190	5 5 44.100	6.11%	5 5,162	8,292	
	Physical Security		G286 S				3/31/2018	ž	8	80	8	8.0710%	%000		~				
	Physical Security		0423		000 avo	۰ ۰	3/31/2018	æ 3	88	08 00 000	08	8.0710%	9000			000%			
22.3 Physical Decurity Replacements - FY19 22.4 All NIMO Physical Security Replacements - FY19	Physical Security Physical Security		6115		275,000	s 825,000 s 275,000	3/31/2019	z z	8 8	\$275,000	\$137,500	8.0710%	63.00%	5 2,082		21.03%	s 1059		
	Physical Security		G286 S				3/31/2019	ž	8	80	8	8.0710%	90000			96000			
	Physical Security  Physical Security		G423				3/31/2019	<b>z</b> z	8 8	8 8	8 8	8.0710%	0000%	· ·	· ·	0.00%			
	Physical Security		G114 S				3/31/2020	. z	8 8	8 8	8 8	8.0710%	63.00%			21.03%			
229 Physical Security Replacements - FY20	Physical Security		G286 S				3/31/2020	æ :	8	08	8	8.0710%	90000		90	%000			
	Physical Security		6423 8				3/31/2020	Z	8	8	8	8.0710%	96000			9,000			

								4/1/2018	3/31/2019		8.0710%	5210E			\$2.10T		
The Introduced Man	Descenting	lood High # dANA	Forecasted Balance at Fiscal	FY19 Incremental	Year End (FY 19) (After Shorten Charles Shorten Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charles Charle	In Service Date	Amortization	ACCOUNT Dalance	2/21/2/01/0 Balanca	Assesses Balanca	Service Co	MIMO E Albonio	NIMO E Rent-	MIMO II Bont - Dam	NIMOT	NIMO T Rent-	NIMO TRent
	Physical Security		s		. 8	3/31/2021	z		8	8		17.76%	8			8	
	Physical Security	GI 14				3/31/2021	35	8	8	8	8.0710%	63.00%			21.03%		
233 Physical Security Replacements - FY21 234 Physical Security Replacements - FY21	Physical Security  Physical Security	628				3/31/2021	z z	8 8	8 8	8 8	8.0710%	9000			90000		
	PSC Mandate	4451 G225				5/31/2017	æ	8	8	8	8.0710%	96000			0000		
	PSC Mandate		95			7/31/2017	<b>3</b>	8	8	8	8.0710%	%000		s	-		
237 INVF-4124 Aufo Kemotie Net Meter 238 INVF-3890A NY Retail Access Ph.2	PSC Mandate PSC Mandate	889A CL78	5 5,356,231		5.356.231	10/31/2017	z z	\$5,037,408	\$4,272,232	\$4,654,820	8.0710%	47.71%	5 109,385	306.529	%0000 6		
	P.S.C. Mandate		s		\$ 3,347,611	11/30/2017	ž	\$3,188,201	\$2,709,971	\$2,949,086	8.0710%	47.71%	\$ 82,535	s			
240 INVP 4.583 NY Community Choice Aggregation	PSC Mandate DeC Mandate		s =		\$ 551,447	12/31/2017	æ 3	\$531,752	\$452,974	\$492,363	8.0710%	40.06%	\$ 11,570	s s	%0000 6		
	P SC Mandate	4448 C195			\$ 2489,410	12/31/2017	ŧæ	\$2,400,503	\$2,044,873	\$2,222,688	8.0710%	57.91%	\$ 75.505	\$ 205.945			
	PSC Mandate		· s	\$ 253,990	000'869 \$		æ	8	\$606,595	\$303,298	8.0710%	47.71%	\$ 4,817	\$ 43,609	-		
	PSC Mandate		s	\$ 890,737	8 896,000		蒸	8	\$842,667	\$421,333	8.0710%	%000		s	0000		
245 CPEBuyback	Tech. Modernization		· ·		5,135,450	4/1/2017	<b>ಪ</b> 3	\$4,401,814	\$3,668,179	\$4,034,996	8.0710%	17.76%	\$ 44,271	\$ 130,294	4 6.11%	\$ 15,231	\$ 44,825
	Tech. Modernization			5 288.814	343,638		ž ž	95,000	98	8	8.0710%	17.76%	9	0 90	6.11%	c16 - 8	3 2,400
	Tech. Modernization				\$ 600,000		æ	\$592,857	\$507,143	\$550,000	8.0710%	17.76%	\$ 5,730		3 6.11%	1761 8	\$ 5,237
	Tech. Modernization		s	\$ 787,221	\$ 3,025,000	8/31/2018	z	98	\$2,772,917	\$1,386,458	8.0710%	17.76%	\$ 8,521	s	%11% 0	\$ 2,932	\$ 15,402
250 US VSTIG Programme 251 TR Window Decomments	Tech. Modernization Tech Modernization		s v		2,700,000		z z	\$2,700,000	\$2,314,286	\$2,507,143	8.0710%	17.76%	5 26,120	\$ 68,503	3 6.11%	8,986	\$ 23,567
	Tech. Modernization		\$ 65,789	\$ 346,576	\$ 412,366		3	8	8	8	8.0710%	17.76%			6.11%		
	Tech. Modernization		s	\$ 215,648	\$ 256,583		<b>z</b> :	8	8	8	8.0710%	17.76%			6119		
254 Cloud Broker - Hybrid Enablement 255 Office 2010 Democks	Tech. Modernization		v v	5 616136	5 250,000	3/31/2018	æ a	8230,000	\$214,286	\$232,143	8.0710%	17.76%	5 2,418	· ·	5 6.11%	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	5 2,182
	Tech. Modernization			\$ 181,942	\$ 500,000		s æ	8	\$434,524	\$217,262	8.0710%	17.76%	\$ 1,284	\$ 11,629	9 6.11%	\$ 442	\$ 4,001
	Tech. Modernization		s	\$ 2,594,404	\$ 3,086,892		35	8	8	8	8.0710%	17.76%			6.11%		
258 Data Security	Tech. Modernization			\$ 548,076	\$ 548,076	7/30/2019	æ 3	88	88	88	8.0710%	17.76%			6.11%		
	Tech. Modernization		349	\$ 200,136	550,000 S		ŧz	3 8	\$510.714	\$255.357	8.0710%	17.76%	. 1283	. S	6.11%	\$ 545	s 2.400
	Tech. Modernization			\$ 36,388	\$ 100,000		z	8	\$92,857	\$46,429	8.0710%	17.76%	\$ 288		9 6.11%	8	\$ 436
262 US SAP: Dynamic Storage Trering	Tech. Modernization			\$ 456,406	\$ 456,406	7/5/2020	<b>z</b> :	8 8	8	8	8.0710%	17.76%			61196		
	Tech. Modernization		, %	\$	one, or c.c. 8		ŧz	8 8	35,116,019	08	8.0710%	17.76%	\$ 500		61136	8	s 75,000
	Tech. Modernization	4498 G020	•			9/30/2020	₹	8	8	8	8.0710%	17.76%			6.11%	s	s
266 US Wireless Programme	Tech. Modernization		~ ~		5 - 501 230	9/30/2020	<b>ಪ</b> 3	88	88	88	8.0710%	17.76%			6.11%		
<ol> <li>Data Visualis arteri Expansion</li> <li>US SAP: Business Warehouse (BW) Consolidation to HANA Enterprise Cloud (HEC)</li> </ol>	Tech. Modernization	4562 0020		s 945,126 S 796,942	5 945,128 S 796,942	3/31/2021	ž ž	8 8	8 8	8 8	8.0710%	17.76%			6.11%		
	Tech. Modernization	4493 G020				3/31/2021	z	8	8	8	8.0710%	17.76%		8	6.11%		
270 MWORK and Netmotion Risk Avoidance 271 Immonine For Henesistene, Clend based DMZ Service Platform	Tech. Modernization Tech. Modernization			\$ 168,415	\$ 168,415	3/31/2019	z z	8 8	08	\$150,000	8.0710%	17.76%	. 8		6.11%	. 82	
	Tech. Modernization			\$ 100,000	\$ 100,000	3/31/2019	: z	8 8	\$100,000	850,000	8.0710%	17.76%	\$ 325		6.11%	\$ 112	
	Tech. Modernization			\$ 336,831	\$ 336,831	5/1/2020	<b>z</b>	8	8	8	8.0710%	17.76%			6.11%		
274 FV19 Network Projects 275 Dieital Acest Manacement (DAM)	Tech. Modernization Tech. Modernization	4718 6020		336,831	336,831	5/1/2020	z z	8 8	8 8	88	8.0710%	17.76%			6.11%		· ·
	Tech. Modernization			\$ 1,338,308	\$ 1,338,308	3/31/2020		8	8	8 8	8.0710%	17.76%			6.11%		
	Tech. Modernization			\$ 1,134,653	\$ 1,134,653	4/1/2020	<b>z</b> :	8	8	8	8.0710%	17.76%		92 1	6.11%		
279 EUC, network, and data conter strategy	Tech. Modernization	4715 0020		5 519,682	5 519,682	4/1/2020	z z	8 8	8 8	8 8	8.0710%	17.76%			6.11%		
	Tech. Modernization			\$ 530,509	\$ 530,509	4/1/2020	z	8	8	8	8.0710%	17.76%			6.11%		
28.1 FY19 Data Centre Projects 20. 1202 London 622 PPS 240 DDN 246 MOST 262 ICADS 44 DMAD 2 VD	Tech. Modernization	4716 0020	~ ~	\$ 673,662	\$ 673,662	4/1/2020	<b>ಪ</b> 3	88	88	88	8.0710%	17.76%			6.11%		
	Tech. Modernization			\$ 1,000,000	s 1,000,000	4/1/2020	3	8	8	8 8	8.0710%	17.76%			6.11%		
	Tech. Modernization			\$ 1,600,798	\$ 1,600,798	3/31/2021	z	8	8	8	8.0710%	17.76%		8	6.11%		
285 US Network Programme 286 US NATIG Programme	Tech. Modernization Tech. Modernization	4496 G020 4498 G020		\$ 530,509	530,509	3/31/2021	z z	8 8	8 8	8 8	8.0710%	17.76%		· ·	6.11%		
	Tech. Modernization					3/31/2021	. z	8	8	8	8.0710%	17.76%			6.11%		
288 Monitoring and Alerting	Tech. Modernization	4493 0020	oc o			3/31/2021	æ 3	8 8	88	88	8.0710%	17.76%			6.11%		
	Tech. Modernization			\$ 173,770	\$ 173,770	3/31/2021		8 8	8 8	8 8	8.0710%	17.76%			6.11%		
	Tech. Modernization			\$ 665,020	\$ 665,020	3/31/2021	蒸	8	8	8	8.0710%	17.76%			6.11%		
292 FY 20 Network Projects	Tech. Modernization			\$ 996,989	\$ 996,989	3/31/2021	<b>3</b> 3	88	88	88	8.0710%	17.76%			6.11%		
	Tech. Modernization			800,000	800,000	3/31/2021	ŧ	8 8	8 8	8 8	8.0710%	17.76%			611%		
	Tech. Modernization	4728 6020		800,000	\$ 800,000	3/31/2021	z	8	8	8	8.0710%	17.76%		8	6.11%		
296 Data Security 297 Hardwase and Software Hoursdee	Tech. Modernization Tech Modernization			\$ 530,509	530,509	3/31/2021	z z	8 8	8 9	8 8	8.0710%	17.76%			6.11%		
	Tech. Modernization			\$ 500,000	\$ 500,000	3/31/2021	3	8	8	8 8	8.0710%	17.76%			6.11%		
	Tech. Modernization					3/31/2021	基言	8 8	8 8	8 8	8.0710%	17.76%			6.11%		
30.0 Emerprise Lata Management Partorm 30.1 Business Innountion Projects 2	Tech. Modernization	4708 6020				3/31/2022	ž ž	8 8	8 8	8 8	8.0710%	17.76%			6.11%		
302 Business Innovation Projects 3	Tech. Modernization					3/31/2022	25	8	8	8	8.0710%	17.76%			6.11%		
Total IS			\$ 259,920,424	\$ 194,639,155	\$ 438,454,201			6 616,886,971	268,875,951 3	222,752,433			\$ 2,250,008	\$ 6,304,93	00	S 544,400	3 1,445,417

Servee Company Capital Software all coated to Operating Companies as Rein Expense. For the Rate Year ended March 31, 2020																		
					н	precasted Balance			4/1/2019	3/31/2020		8.0210%	5210E			5210T		
			For		all FY20 Incremental	after Fiscal Year End (FY20)(After						Service Co				T OMIN		NMO TRent- NMO TRent-
Line Investment Name	Programs		loc			Slippage/Cuts)	In Service Date	ď	4/1/2019 Balance	3/31/200	Average Balance		ZEMC	NMO ERent-Return	MOE Ren	_	_	Depn
1 Cloud Security 2 Risk Based Authoritisation - 2EA refrontalpernation	Cyber Security Cyber Security		0000	1,460,000 \$		1,460,000	3/31/2018		\$1,251,429		\$1,147,143				37,04	611%	\$ 4,086.04	s s
3 INVP3614D1Ent Network Security	Cyber Security		0000	9,674,142 \$		9,674,142	11/30/2017		\$7,831,449		\$7,140,438			\$ 73,929	\$ 245,44		· v	~
4 Threat Behavior Modeling	Cyber Security	3683	O020 s	8000000		800,000	7/1/2018		\$714,286		\$657,143	8.0210%		\$ 6.804	\$ 20,29		\$ 2,341	%
<ol> <li>Identity &amp; Access Management : Role Base Access Management (R BAC)</li> <li>Enhanced DLP Gareway and Enchosint</li> </ol>	Cyber Security Cyber Security	3683	02050	2.238.480 \$		2.238.480	10/1/2018		51,4535,271		\$1,335,714			5 19.865	s 41,80	6 11%	n 0	n v
7 INVP 3614B7 CNI Network Security	Cyber Security	3614B7	G020 S	4,829,586 \$		4,829,586	12/31/2017		\$3,967,160		\$3,622,189			\$ 37,502	\$ 122,53		\$ 12,902	·
8 INVP 3614E4 US CNI Security IRE	Cyber Security	3614E4	G020 S	1,340,144 \$		1,340,144	12/31/2017		\$1,100,833		81,005,108	8.02 10%		\$ 10,406	\$ 34,00	6.11%	s s	s s
9 U.S.C.NI IRITIA NO Describin Prevention Prave 1 10 Identity & Access Management: Fine Gain Access Management	Cyber Security	3683	0000	1,650,000 \$		1,650,000	8/31/2018	8 8	\$1,512,500	\$1,276,786	\$1,394,643			5 14,439	5 41,863		o •o	s 4,800.71 S 14,402
	Cyber Security	3683	G020 \$	1,000,000 \$	\$	1,000,000	8/1/2018		\$904,762		\$833,333			\$ 8,628	\$ 25,37		s	s
12 IP/OT Discovery and Implementation Phase 1 13 Security Research Lab	Cyber Security Cyber Security	3683	G020 S	5,224,017 S 297.820 S	275,983 \$	325,000	6/1/2019		8 8		\$2,422,619	8.0210%		5 14,380	s 116,28 S 6.87		s 4,947 S 292	s s
	Cyber Security	3683	0000	1,512,008 \$	137,992 \$	1,650,000	6/1/2019		8		\$726,786			\$ 4,314	\$ 34,88		· s	. %
	Cyber Security	3683	G020 \$	1,740,000 \$	\$	1,740,000	3/31/2019		\$1,740,000		\$1,615,714			\$ 16,728	\$ 44,14		s	s.
16 Domain Based Security Phase 1 17 Security Incident Fuent Management Phase 4	Cyber Security Cyber Security	3683	0000	800,000 \$	145 517 8	800,000	3/31/2019	75 Z	8800,000		\$742,857			5 7,691	S 20,29	97 6.11%	v v	\$ 6,983
	Cyber Security	3683	0000	4,090,466 \$	531,086 \$	4,621,552	5/1/2019	. %	8		\$2,008,174			\$ 11,799	\$ 107,48		\$ 4,05	
19 US CNI Intrusion Detection/Pievention Phase 2	Cyber Security	3683	O020 \$	269,465 \$	530,535 \$	800,000	3/31/2020	84	08		\$400,000			\$ 2,585		6.11%	88	
	Cyber Security	3683	0000	\$ 980'986 \$	1,153,914 \$	1,740,000	3/31/2020	88.5	8 8		\$870,000			\$ 5,622		6.11%	\$ 1,93	
	Cyber Security	3683	O020 s	1,400,000 \$	2,484,896 \$	3,884,896	4/1/2021	\$ 5	8 8	8 8	8 8	8.02.10%				6.11%		
	Cyber Security	3683	G020 S	246,948 \$	277,723 \$	524,670	5/1/2021	8	08	8	8	8.0210				6.11%		
	Cyber Security	3683	O020 \$	\$ 000'006	2,188,347 \$	2,688,347	5/1/2021	84	08	98	98	8.0210%				6.11%		
25 IT/OT Discovery and Implementation: Phase 2 24 119 CMT 6-model Enhancements Dhone 2	Cyber Security	3683	0000		2,651,651 \$	2,651,651	10/1/2021	26.2	8 8	88	88	8.02109		· ·		6.11%	· ·	
	Cyber Security	3683	G020 S		378,807 \$	378.807	12/1/2021	. 48	8 8	8 8	8 8	8.02.10				6.11%		
	DPU Mandate	4137	C277 \$			. •	5/26/2017	8	08	8	8					0.00%		
	FY 18 Plan	4045	G198 \$	432,455 \$		432,455	3/4/2017	84	\$303,748	\$241,969	\$272,858			\$ 6,817	\$ 25,904	-	. :	~ :
	FV 18 Plan	4373	0020	259,667 \$		259,667	2/20/2017	30 S	\$182,385		5163,838			5 1,734	5 6,588	88 6.11% O'O'O'	2 396	\$ 2,267
32 INVP 4188 Aging System Stabilize	FY 18 Plan	4188	G148 S	854,204 \$		854,204	12/1/2017	2 %	869,1698		\$630,484			\$ 6889	\$ 22,905		\$ 2,36	2 %
	FY 18 Plan	4280	G020 S	2,256,401 \$		2,256,401	12/1/2017	84	\$1,826,610		\$1,665,439			\$ 17,243	\$ 57,24		s	s
34 INVP 4307 US Win 7 Refresh Ph 3	FY 18 Plan	4307	0000	13,464,281 \$		13,464,281	7/31/2017	30 O	\$10,258,500		59,296,766			5 100,136	341,60	08 6.11%	v o	· ·
36 S005242 M112 Systemic Improvement	FY 18 Plan	1001	0000	8,275,650 \$		8,275,650	12/1/2017	120	\$7,172,230		\$6,758,447	8.02.10%		\$ 69,974	3 146,97		\$ 24,07	2 02
	FY 18 Plan	4289	G020 S	1,336,479 \$		1,336,479	12/1/2017	84	\$1,081,912		\$986,449			\$ 10,213	\$ 33,90		\$ 3,51	s
38 HANALicense Costs	FY 18 Plan	4649	0000 8	3,826,068 \$		3,826,068	3/31/2017	25 2	\$2,732,906	\$2,186,325	\$2,459,615	8.02.10%		\$ 26,017	\$ 97,073	73 6.11%	\$ 8,951	\$ 33,396
	FY 18 Plan	4671	G020 s	4.138.561 \$		4.138.561	3/31/2017	2 0 0	\$2,956,115		\$2,660.503			s 28.142	\$ 105.00		89.6	2 %
41 Zscaler	FY 18 Plan	4681	G020 \$	2,100,000 \$		2,100,000	4/1/2018	84	\$1,800,000		\$1,650,000			\$ 17,083	\$ 53,28		\$ 5.87	· s
42 INVP 2577C ArcFM Software Upgrade	FY 18 Plan	2577C	GII2 \$	\$		000 7 30	4/10/2017	36 3	80		8 10018					0.00%		<i>د</i> د
	FY 18 Plan	4170	O020 s	2,676,143 \$		2,676,143	4/30/2017	8. %	\$1,943,389		\$1,752,236	8.02.10%		5 18,913	s 67.89	6.11%	\$ 6,507	\$ 23,359
	FY 18 Plan	4420	G198 \$	705,521 \$		705,521	5/23/2017	84	\$520,742		\$470,347			\$ 11,977	\$ 42,26		s	s
46 INVP 4274 VSTIG Hardware Refresh	FY 18 Plan	4274	0000	608,000 \$		608,000	3/31/2018	28.2	\$521,143		\$477,714	8.02.10%		\$ 4,946	\$ 15,42	26 6.11%	S 1,70	s =
4) US yideo Contenticing upgrade for RW 48 Hix D/C Improvement Server Refresh	FY 18 Plan	4676	0000	1,000,000 \$		1,000,000	3/31/2018	. 4	\$857,143		\$785,714			\$ 8,135	5 25.37	71 6.11%	s 2.2	
	FY 18 Plan	4464	G020 S	7,067,413 \$		7,067,413	11/30/2017	84	\$5,721,239		\$5,216,424			\$ 54,008	\$ 179,31	-	\$ 18,58	s
	FY 18 Plan	3430	G186 S	382000 8		382000	2/1/2018	25 25	83068,333		\$281952	8.0210%		5 9,166	5 29,482	82 6.11% 75 10.99%	5 3,153	s 10,143
	FY 18 Plan	4461	G020 S	1,386,701 \$		1,386,701	3/1/2018	84	\$1,172,093		\$1,073,042			\$ 11,110	\$ 35,18		· s	
	FY 18 Plan	4287	0000	804,825 \$		804,825	1/30/2018	86	\$670,688		\$613,200			\$ 6,349	\$ 20,42		\$ 2,18	\$ 7,025
55 Enterprise Labs	FY 18 Plan	4693	0020	490,012 3 668,000 S	\$ 875°C+	942,000	10/30/2017	* *	\$532,810		\$485,095			\$ 5,022	s 16.94	0.00% 48 6.11%	s 1,72	5.831
	FY 18 Plan	3986	G198 \$	375,000 \$		375,000	10/31/2017	84	\$299,107		\$272,321	8.0210%		\$ 6,657	\$ 22,46			s
	FY 18 Plan		G149 S	3,855,044 \$		3,855,044	11/1/2017	28.2	\$3,074,856	\$2,524,136	\$2,799,496			\$ 29,180	\$ 98,469	6.15%	\$ 10,037	\$ 33,869
	FY 18 Plan		5210G \$	325,000 \$		325,000	12/1/2017	25	\$263,095		\$239,881	8.02.10%						. ~
	FY 18 Plan		6225				12/4/2017	84	8 1		8	8.0210						
	FY 18 Plan	3982	6381	5 591163	5 - 52		0/1/2018	× 2	8 8		8 51 56					0.00%		
	FY 18 Plan	4462	G186 S	412,366 \$	37,634 \$	450,000	9/1/2019	. % . 75	8 8		\$206,250			\$ 2,180	s 11,52		. \$ 780	
	FY 18 Plan	4578	G020 S	1,128,966 \$	103,034 \$	1,232,000	6102/1/6	8.4	98		\$564,667			\$ 3,449	\$ 18,23		s	s
65 Ageing System Sabulization Upgrades - FY18 66 INVP 3486 IS MDS-Itron Entermine Echicion (IEE)	FY 18 Plan	3486	G148 S	1,374,553 \$	125,447 \$	758.544	3/31/2018	25 25	8650.180		\$669,643	8.02.10%		5 4,243	30,166	56 6.43%	v v	s 10,334 s 11,909
	FY 18 Plan	4300	G210 S	\$ 000'906		306,000	3/31/2018	84	\$433,714		\$397,571						s	· s
	FY 18 Plan	4307	G020 S	1,602,226 \$		1,602,226	3/31/2018	120	\$1,442,003		\$1,361,892			\$ 14,100	\$ 28,45		\$ 4,851	s
69 U.S. Mobile Device Refresh 70 U.S. SAP: Infrastructure Landscape	FY 18 Plan	4348	G020 s	4,300,000 5		4,300,000	3/31/2018	8 8 4 78	\$3,550,886		\$3,254,979	8.02.10%		5 33,700	s 114,17 S 105,10	06 6.11%	s s	s s
	FY 18 Plan	4570	G186 \$	9,207,521 \$		9,207,521	3/31/2018	84	\$7,892,161		\$7,234,481			\$ 129,645	\$ 404,34		s	s
72 US CNI-EMS Lifecycle Hardware and Software Upgrade 73 Network Transformation Completion - CEMS	FY 18 Plan FY 18 Plan	4568	O1186 S	3,213,537 \$	20.00	3,213,537	3/31/2018	8 8	\$2,754,461		\$2,524,922			38,565	S 120,27	78 35.42%	so so	
74 Application monitoring, Network/IDS, Operations monitoring	FY 18 Plan	4677	0.000	675,000 \$		675,000	3/31/2018	. 25	\$578,571	\$482,143	\$530,357	8.02 10%	6 17.76%	\$ 5,491	\$ 17,126		\$ 1,889	\$ 5,892
26 A cont Deliver and Delivery	EV 10 Diam	0.004	\$ 0000	45000 \$		45000	2/21/2010	0.4	630 621	\$3.2.1.43	\$35,357			, 9%	111		4	0

For the Rate Year ended March 31, 2020																				
						Forecasted Balano			4/1/2019	3/31/2020		80	8.0210% 52	\$2.10E			5210T			
				Forecasted Balance at Fiscal FY20 Incremental		after Fiscal Year End (FY20)(After		Amortization				•	Service Co				NIMO T	NIMO TRent-	NIMO TRent- NIMO TRent-	
	Programs	NVP #	_	Year End (FY19)		Slippage/Cuts)	ā	9	4/1/2019	3/31/2020	Average			NIMO E Allocation		NIMO E Rent - Depn	Allocation	Retum	Depn	
76 RSA Token refresh 77 Load and DDD Economistics of Domess Secretor Date. Many	FY 18 Plan	4683	0000	5 536,718 5		\$ 536,718					5306,696 53	\$345,033 8	8.02.10% 17	.76% \$	3,650 \$	13,617	6.11%	\$ 1,256	\$ 4,685	
	FY18 Plan	4449	C170	\$ 630,000 \$		8 630,000							8.02.10% 40	40.06% \$	11,560 \$	36,054				
	FY 18 Plan	4469	0000	\$ 3,164,400 \$		3,164,400	5/1/2018		\$2,750,014			\$2,523,986 8		17.76% \$	26,132 \$	80,285		\$ 8,990	\$ 27,621	
<ol> <li>Call Center Customer Contact Center/S DC Technology Upgrade Implement Solution</li> <li>118 MDS-Froem Accounting Source (FAS) mineral on to Wholes als Sortlement Analysis for (WSA)</li> </ol>	FY 18 Plan	3932	C175	23,566,011 5	1.080.01	23,566,011								23.28% 5	270,319 \$	783,711	0.00%	3071		
	FY 18 Plan	4398	0919	8,960,280 \$	Total Country	8,960,280			\$8,533,600	00 \$7,253,560				27.24% \$	125,350 \$	348,683		\$ 44,314	\$ 123,268	
	FY 18 Plan	4486	C343	8								8 08 000		0.00% \$						
	FY 18 Plan	4485	C343	c c47cc2 c	(CI,604	998,40							8.0210% 0.	0.00%	2,004	17,107	0.00%	. 9	00°C S	
	FY 18 Plan	4570	G186								08	_		30.74% \$						
87 Inventory Management Handheld Devices 88 Continue Bill Devletin	FY 18 Plan	0100	G020	5 129,283 5		\$ 129,283						883,111		17.76% \$	\$ 618	3,280	6.11%	302	2 1.128	
89 INVP 3737 US CNI GMS S CADA Upgrade &	FY 18 Plan	3737	C210	18,308,477 \$	5,028,785	\$ 23,337,260	3/31/2020		8 8	50 \$23,337,262		30 ° 8 \$11,668,631 8		0.00% \$			0.00%			
	FY 18 Plan	4679	0000	\$ 216,000 \$	216,000	\$ 432,000							8.02.10% 17	17.76% \$			6.11%			
Contractor Management Modernization     Risk Management (Tx Mains & Dx Mains)	FY 18 Plan GBE- Asset Management	4151	C210	300,000 3	2,866,892	3,166,892								0.00% 5			0.00%			
	GBE- Ass et Management	4572	C210	\$ 249,412 \$		\$ 249,41.			\$222,392	892 \$197,451		\$209,921 8	8.0210% 0.	0.00% \$			0.00%			
94 Enhancements 05 Addistroal IM Modules	GBE- Asset Management	4572	3 23	5 2,394,788 5	- 112 606	5 2,394,78								0.00% 5			0.00%			
	GBE- Asset Management	4572	SSS	358,808 \$	112,000	358,80	3/1/2019							0.00% \$			0.00%			
	GBE- Asset Management	4572	C210	\$ 7,568,565 \$	2,902,242	\$ 10,253,139								0.00% \$		•	0.00%			
	GBE- Asset Management	4572	C210	881,466 8	798,695	\$ 1,620,259	6/1/2019			50 81,48				0.00% \$		•	0.00%			
99 integrity management integrations 100. AM Program Leadership-3	GBE- Asset Management GBE- Asset Management	4572	02.00	0 780%00 0	408,336	377,71		_		83.7				0.00%			0.00%			
	GBE- Asset Management	4572	C210	\$ 1,556,366 \$	4,920,570	\$ 6,107,893				8				3.00% \$		•	0.00%			
	GBE- Asset Management	4572	C210				12/1/2020			8 8	8 8	8 8		3,00% \$			0.00%			
	GBE- Asset Management	4572	000	5 - 2 - 3	3.286.424	4.164.942				8 8	3 3	8 8		0.00%			0.00%			
	GBE- Asset Management	4572	C210	8						8	8	8		0.00% \$		•	0.00%			
	GBE- Asset Management	4572	C210				3/1/202			08	8	80		0.00% \$		•	0.00%			
107 Complex Design (CAD) & Estimating (ESW) 108 Parental corrino Manacement.1	GBE- Asset Management GRE- Rusiness Faahlement	4572	3 230	5 . 105501		. 10556	3/1/2021		801 131 90					0.00% 5			0.00%			
	GBE- Business Enablement	4572	C210	8 620,139 \$		\$ 620,13								0.00% \$		•	0.00%			
	GBE- Business Enablement	4572	C210	\$ 62,655 \$		\$ 62,65								0.00% \$		•	0.00%			
	GBE- Business Enablement	4572	C210	117,190 \$		817.19								0.00% \$		•	0.00%			
112 Program Learning Management-3	GBE- Business Enablement GBE- Business Enablement	4572	220	S	173,060	180,081	3/1/2020			50 \$158,747		\$1,265,012 6	8.02.10% 0.	0.00%			0.00%			
	GBE- Business Enablement	4572	C210		368,704	\$ 341,05				50 \$33			Ŭ	3.00%		•	0.00%			
115 Program Business Sustainment-2	GBE- Business Enablement	4572	C210				3/1/2021			8 8	88	8 8		0.00% \$			0.00%			
	GBE- Business Enablement	4572	3210				3/1/2021			8 8	8 8	8 8		000%			0.00%			
	GBE- Customer Engagement	4572	C210	\$ 234,206 \$	,	\$ 234,200			\$232,254				8.02.10% 0.	300%		•	0.00%			
	GBE- Customer Engagement	4572	C210	\$ 6,011,719 \$	5,195,313	\$ 10,817,38.				16'68 08				0.00% \$	8		0.00%			
120 Customer Interaction - First Release 121 Fundovee Sumont Interaction - First Release	GBE-Customer Engagement GBE-Customer Engagement	4572	3 3	3,484256 S	3,016,074	5 4,392,29.				56,172,678 56,897,747		\$2,086,339 8 \$3,448,873 8		0.00% 5			0.00%			
	GBE- Customer Engagement	4572	C210	8	266,277	\$ 246,306				524				0.00% \$			0.00%			
	GBE-Customer Engagement	4572	C210	\$ 13,680,000 \$	3,800,000	\$ 17,195,000				80	8	80		3.00% \$		•	0.00%			
124 Large Commercial & Landford Interaction 125 Fundames Summer Interaction - Succeed Release	GBE- Customer Engagement	4572	0 00	2 14,150 5	19,653	32,32				8 8	8 8	88		0.00%			0.00%			
	GBE-Customer Engagement	4572	C210				1/1/2021			8 8	8 8	8 8		3.00%			0.00%			
	GBE-Customer Engagement	4572	C210	8										3 %00%		•	0.00%			
128 Data Management Implementation (Quality & Cleansing) 120 Data Management & Governance Program Leadershin, I	GBE-Data Management	4572	3 23	5 9,990,000 5		53001	3/1/2018		000,860,88				8.0210% 0.	0.00%			0.00%			
	GBE- Data Management	4572	C210	1,900,724 \$	67,564	1,963,22								300%		•	0.00%			
	GBE- Data Management	4572	C210	\$ 79,159 \$		\$ 79,159				99 \$70,583				0.00% \$			0.00%			
132 Data Management & Go ventance Program Leadership-3 133 PrausePlan Architecture Enhancements	GBE- Data Management GBE- Information Services Frashline	4572	3 230	S	89,713	82,98							_	3,00%			0.00%			
	GBE-Information Services Enabling	4572	C210	\$ 70,762 \$		\$ 70,76	12/1/2017		\$61,327					300%		•	0.00%			
	GBE-Information Services Enabling	4572	C210	\$ 1,956,969 \$		96'96'1							8.0210% 0.	300%		•	0.00%			
136 Development Operations & BPA Enablement-1 127 8 Ab and Analysis for properties Panalysman Paleston 11	GBE- Information Services Enabling	4572	2310	2,613,528 \$		2,613,52	3/1/2018							300%			0.00%			
	GBE- Information Services Enabling	4572	C210	5 544,311 5		5 54431						\$458,128 8		300%			0.00%			
	GBE-Information Services Enabling	4572	C210	\$ 951,992 \$		\$ 951,997							Ŭ	3,00%		•	0.00%			
	GBE-Information Services Enabling	4572	0210	\$ 2,305,810 \$		2,305,810							8.0210% 0.	300%			0.00%			
141 SAP and Application Integration Development-Release 1-2 142 SAP and Ambication Integration Development-Release 2-1	GBE-Information Services Enabling GBE-Information Services Frability	4572	3 2 2	4.093,331 3		4,093,33	3/1/2019						_	200%			0.00%			
	GBE-Information Services Enabling	4572	C210	828,483 \$		828,48								3 %00%		•	0.00%			
	GBE-Information Services Enabling	4572	C210	8	2,164,144	\$ 2,001,833						\$992,576 8	8.0210% 0.	3.00% \$		•	0.00%			
145 SAP and Application Integration Development Remark 1.5	GBE- Information Services Enabling GBE- Information Services Enabling	4572	0220		4.397.065	5 4.067.28				30 84.03				0.00%			0.00%			
	GBE- Information Services Enabling	4572	C210		85,915	\$ 79,47				50				3,00%		•	0.00%			
148 Mobility CoE& End-User Computing-3 149 Test Antomotion Innofermentation	GBE- Information Services Enabling GRE, Information Services Enabline	4572	0210	8 - 1372857 8	1,031,843	5 954,450	3/1/2020	0 120		966		\$473,250 8 S0 8	8.0210% 0.	3,00% \$			0.00%			
	GBE-Information Services Enabling	4572	Sign		1 100000		3/1/2021			8 8	3 8	8 8		\$ %00			0.00%			

						Fone-set of B slance			4/1/2019	3/31/2020		8.0210%	6 5210E			5210T		
			4	Ralamon at Biscal	EV 30 Incremental	after Fiscal Year End		Amontination				Samina				TOMN	NIMO T Bare	NIMO T Pant.
Line Investment Name	Programs	# dANI	Bill Pool	Year End (FY19)		Slippage/Cuts)	-	2	4/1/2019 Balance	3/31/2020 Balance	Average Balance	Return	NIMO	NIMO E Rent-Return	NIMO E Rent - Depn	Allocation	Return	Depn
151 SAP and Application Integration Development-Release 1-4	GBE-Information Services Enabling	4572	C210	97 1			3/1/2021		8 8	8 8	000	8.021			•	0.00%		
152 AAF and Apprehentinggrandi Levelopinen - Newsee 5-2 153 Mobility CoE& End-User Computing-4	GBE-Information Services Enabling	4572	C 210				3/1/2021		8 8	8 8	, 0		0.00%			0.00%		
	GBE- Portfolio Office	4572	C210	\$ 1,481,327 \$		\$ 1,481,327	3/1/2018		\$1,320,850	\$1,172,717	\$1,246,78				٠	0.00%		
155 Solution Architects & Agile Couches-1	GBE-Portfolio Office	4572	3 230	5 1,762,449 5		5 1,762,449	3/1/2018		\$1,571,517	\$1,395,272	51,483,39					0.00%		
157 Solution Architects & Agile Coaches-2	GBE- Portfolio Office	4572	C210	3,568,169 \$		\$ 3,568,169	3/1/2019		\$3,538,434	\$3,181,617	\$3,360,02					0.00%		
158 Portfolio Management Leadership-3	GBE- Portfolio Office	4572	C210		2,161,221	\$ 1,999,129	3/1/2020		8	\$1,982,470	8991,235					0.00%		
159 Solution Architects & Agric Couches-5 160 Portfolio Management Leadershind	GBE-Portfolio Office	4572	310		2,824,290	5 2,612,469	3/1/2020		8 8	82,390,698	81,295,54					0.00%		
161 Regulacy/Compliance	GBE- Regulatory and Compliance	4572	0170	\$ 2,025,000 \$	750,000	\$ 2,718,750	9/1/2019	120	8 8	\$2,560,156	\$1,280,07	8.02.10%				0.00%		
162 Supply Chain Program Leadership	GBE-Supply Chain	4572	C210	\$ 508,541 \$		\$ 508,541	3/1/2019	120	\$504,303	\$453,449	\$478,876			\$		0.00%		
163 Supply Chain Program Leadership 164 Business Architecture Dusine	GBE-Supply Chain	4572	3 3 3	\$ 9298026 S	235,258	\$ 217,614	3/1/2020	8 8	90 SPE CA	\$215,800	8107,90					0.00%		
	GBE- Work Management	4572	C210	3 210,612 \$		\$ 210,612	3/1/2018	130	\$187,795	\$166,734	\$177.26					0.00%		
166 Corrosion and I&R Work	GBE-Work Management	4572	C210	\$ 22,210,426 \$	1,801,402	\$ 23,876,723	7/1/2018	120	\$22,085,969	\$19,698,296	\$20,892,13				1	0.00%		
	GBE-Work Management	4572	C210	\$ 1,492,595 \$		\$ 1,492,595	11/1/2018	02 1	\$1,430,404	\$1,281,144	\$1,355,77					0.00%		
168 WAIFE Program Leadership-2	GBE- Work Management	4572	0 0 0	307,323	1100011	5 507,323	3/1/2019	8 8	\$905,095	\$452,363	547,72					0.00%		
170 Company Driven Work: Collections and non-Appointment Offs-Electric	GBE- Work Management	4572	C198	3,723,01	630,490	\$ 2,589,382	10/1/2019	120	8 8	\$2,459,912	\$1,229,95			\$ 20,673 \$	61,770	0.00%		
171 Customer, Leak Investigation & Inspections - Gas	GBE-Work Management	4572	C210	\$ 9,077,769 \$	10,288,028	\$ 18,594,195	10/1/2019	120	98	\$17,664,485	\$8,832,24					0.00%		
172 Customer, Leak Investigation & Inspections - Electric	GBE- Work Management	4572	C198	\$ 4,888,029 ;	5,539,707	\$ 10,012,258	10/1/2019	120	8	89,511,645	\$4,755,82			\$ 79,937 \$	238,842	0.00%		
173 WMFE Program Leadership-3	GBE-Work Management	4572	3 3		595,004	\$ 550,379	3/1/2020	8 8	8 8	\$545,792	8272,896					0.00%		
175 Construction Work & Leak Repair	GBE- Work Management	4572	0210	s 1.649.290 s	7.167.604	\$ 8.279.323	071,2020	8 8	8 8	8 8		8.021				0.00%		
176 WMFE Program Leadership-4	GBE-Work Management	4572	C210	\$			3/1/2021	130	8	8	8				•	0.00%		
177 Work Forecasting & Planning - solution	GBE-Work Management	4572	C210	25			5/1/2021	120	8	98	9				•	0.00%		
	GBE- Work Management	4572	0210		- 246 030		6/1/2021	8 5	88	88	88					0.00%		
179 WMFE Optimization 180 Customer Fernandence Team formation. Communication Destinance Management	GBE-Work Management	4572	0.230	2 693669	346,828	320,816	3/1/2022	8 3	8 8	08 080 080	90,000			2	27.713	0.00%		
181 Customer Experience Transformation-MyAccount Portal	Growth Play Book-CXT	4427	C175	3 2.863.062 \$	5,636,938	8.500,000	9/1/2019	2 20	8 8	57,791,667	\$3.895.83			\$ 31,190 \$	164.894	0.00%		
182 Governance Risk & Compliance (GRC) Optimization Upgrade	Growth Play Book-Finance	4222	0000	\$ 1,540,000 \$		\$ 1,540,000	3/1/2019	84	\$1,521,667	\$1,301,667	\$1,411,66			\$ 14,616 \$	39,072	6.11%	\$ 5,028	\$ 13,442
183 US SAP: Business Planning	Growth Play Book-Finance	4217	0000	\$ 4,643,000 \$		\$ 4,643,000	3/31/2019	84	\$4,643,000	\$3,979,714	\$4,311,35			\$ 44,638 \$	117,800	6.11%	\$ 15,357	\$ 40,527
	Growth Play Book-Finance	4563	0000	\$ 442,933 \$	872,067	\$ 1,315,000	10/30/2019	84	88	\$1,236,726	\$618,363			\$ 3,843 \$	13,901	6.11%	\$ 1,322	\$ 4,783
186 Load and DER Processing (Acousting Organical Service Service Data - NY)	NY REV / Grid Mod	4729	CII3	8.526273 \$	+ (+,00,74,4	\$ 8,526,273	3/31/2017	28	\$6,090.195	54.872.156	\$5.481.17			s 238.020 s	888.072	0.00%		
	NY REV / Grid Mod	4704K	86ID	1 2,500,000 8	3,100,000	\$ 5,600,000	9/30/2020	84	8	8	0					0.00%		
	NY REV / Grid Mod	4704P	5210E 8	\$ 308,482 \$	607,355	\$ 915,837	4/1/2020	84	08	98	ø	8.021		8 - 8	•	0.00%		
	NY REV / Grid Mod	4704D	\$2.10E	\$ 532,244 5	598,573	\$ 1,130,816	5/1/2020	84	08	98	ø	8.021		\$		0.00%		
	NY REV / Grid Mod	47041	5210E		491,473	\$ 491,473	5/1/2020	84	8	8	en (	8.021				0.00%		
	NY REV. Grid Mod	4.004A	25	2 1035000 8	1 163 984	2 108084	3/31/2021	2 2	8 8	8 8	* *	8.021				0.00%		
193 DSP-DGIOAP	NY REV / Grid Mod	4704F	\$210E				3/31/2021	8 2	8	8 8	9 99	8.021				0.00%		
194 AMI-Telecoms	NY REV / Grid Mod	47041	\$2.10E	\$ .			3/31/2021	84	8	8	ø	8.021				0.00%		
195 Outdoor Lighting Inventory Portal	NY REV / Grid Mod	47040	\$210E	370,514 \$	416,688	\$ 787,202	3/31/2021	84	8	8	9	8.021		8 .		0.00%		
196 DRMS for C&LDemand Response (Renewal)	NY REV / Grid Mod	42040	\$2.10E		2,000,000	\$ 2,000,000	5/1/2021	5 5	88	8 8	000	8.021				0.00%		
198 AMI-Telecoms	NY REV / Grid Mod	47041	\$210E		743,347	\$ 743,347	3/31/2022	8 2	8	8 8	9 99	8.021				0.00%		
199 AMI-Enterprise Service Bus & API Integration	NY REV / Grid Mod	47043	C113	\$ - \$	. •		3/31/2022	84	8	8		8.021			٠	0.00%		
200 AMI - Emerprise Service Bus & API Integration	NY REV / Grid Mod	47040	\$2.10E	50			3/31/2022	84	8	8	9	8.021		8 .		0.00%		
201 AMI-Info Mgr & Advanced Analytics	NY REV/ Grid Mod	4704L	CII3				3/31/2022	2 2	8 8	8 8	en a	8.021				0.00%		
203 IS-Cloud Computing & Data Lake	NY REV / Grid Mod	4704M	CII3			, ,	3/31/2022	2 %	8 8	8 8	. 0	8.021				0.00%		
204 IS-Cloud Computing & Data Lake	NY REV / Grid Mod	4704M	\$2.10E		1,300,000	\$ 1,300,000	3/31/2022	84	8	8	. 0	8.021			٠	0.00%		
205 Cyber Security	NY REV / Grid Mod	4704N	C113	5	2,300,000	\$ 2,300,000	3/31/2022	84	8	8	9			8 .		0.00%		
206 Cyber Security 207 Bostloneisl Solar Madornlan	NY REV. Grid Mod	4704N	3210E	5 05270 6	3,000,000	5 5,000,000	3/31/2022	3 %	30	30	2000			2 0197	18 1 17	0.00%		
208 INVP 3882 NYS Pipeline Safety CMS	Other Mandates	3882	G207	s 1,668,447 s		\$ 1,668,447	12/16/2016	. 48	\$1,112,298	\$873,949	\$993,123					0.00%		
	Other Mandates	3851	G181	\$ 1,234,000 \$		\$ 1,234,000	3/31/2018	84	\$1,057,714	\$881,429	\$969,57			\$ 42,273 \$	131,844	25.21%	\$ 14,249	\$ 44,442
210 Amutal HR & Payroll Mandatory Service Pack Upgrade (HRSP) - FY18 211 Recolution Mandator - FY18	Other Mandates	4400	0000	5 1,126,000 5		\$ 1,126,000	3/31/2017	25 25	8924,929	\$764,071 S0			17.76%	8,744 S	28,568	6.11%	3,008	9,828
212 US Control-Gas Electronic Bulletin Board (EBB) Ungrade	Other Mandates	4479	GZ10	3.000,000 \$		3,000,000	5/1/2018	. 20	\$2.607.143	\$2,178.571	\$2,392,857					0.00%		
213 Regulatory Mandates - FY19	Other Mandates		0000				3/31/2019	84	98	8				8	•	6.11%		
	Other Mandates		0000				3/31/2020	84	8	98	8	90 8.021	17.76%		•	6.11%		
215 Regulatory Mandates - FY21	Other Mandates		0000	2 - 210120		2210161	3/31/2021	25 25	8 22 50 19	8 662630	08 000210				. 000 000	6.11%		5 22 25
2.17 Physical Security Replacements - F1.17 2.17 Physical Security Replacements - FY.17	Physical Security		9820				3/31/2017	. 20	08	80	1000 m			9	N (200	0.00%	s (100 m	
	Physical Security		G423				3/31/2017	84	8	8	8			8	•	0.00%		
	Physical Socurity		0000	s 980,000 s		\$ 950,000	3/31/2018	84	\$814,286	\$678,571	\$746,429		17.76%	\$ 7,728 \$	24,103	6.11%	\$ 2,659	\$ 8,292
220 All NIMO Physical Security Replacements - FY18 221 Dhasieal Security Darkonnants - FY18	Physical Security Density Security		6786	2 0000064 2		\$ 490,000	3/31/2018	2 2	5420,000	3550,000	000,0828			5 14,140 5	44,100	21.03%	5 4,720	5 14,721
	Physical Security		G423				3/31/2018	. 48	8 8	8 8	8 8					0.00%		
223 Physical Security Replacements - FY19	Physical Security		0700	\$ 825,000 \$		\$ 825,000	3/31/2019	84	\$825,000	\$707,143	\$766,071			\$ 7,932 \$	20,931	6.11%	\$ 2,729	\$ 7,201
	Physical Socurity		G114	\$ 275,000 \$	•	\$ 275,000	3/31/2019	84	\$2.75,000	\$235,714	\$255,357			\$ 9,378 \$	24,750	21.03%	\$ 3,131	\$ 8,262
225 Physical Security Replacements - FY 19	Physical Security		9829				3/31/2019	25 20	88	88	88					0.00%		
220 Physical Security Replacements - FY20 227 Physical Security Replacements - FY20	Physical Security		0000	,	835,000	\$ 835,000	3/31/2020	. 48	8 8	\$835,000	\$417,50			5 2,698 5		6.11%	\$ 928	
	Physical Security		G114		282,000	\$ 282,000	3/31/2020	84	- 86	\$282,000	\$141,000			\$ 3,232 \$	•	21.03%	\$ 1,079	
229 Physical Security Replacements - FY20	Physical Socurity		9879				3/31/2020	84	8	8	8		0.00%			0.00%		
	Physical Socurery		35			,	3/3 Ir asrao	*	š	š	,			,		U.Verre	•	

For the Rate Year ended March 31, 2020																			
						Descended D days			4/1/2019	3/31/2020		8.0210%	\$210E				5210T		
					Taken I	after Fiscal Year End	, P											of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the country of the	The Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Country of the Co
Line Investment Name	Programs	# dvN	Bill Pool	Year End (FY19)		Slippage/Cuts)	-	ate Period	4/1/2019 Balance	3/31/2020 Balance	Average Balance	Return	NIMC	ion NIMO ERent-Return	NIMOE	Rent - Depn A	Allocation A		Depn Depn
231 Physical Security Replacements - FY21	Physical Security		G020 \$		•		3/31/202		*		8	8.0210%					6.11% \$		
232 All NIMO Physical Security Replacements - FY21	Physical Security		G114 \$		•		3/31/202		*		8						21.03% \$	٠	
233 Physical Security Replacements - FY21	Physical Security		G286 S				3/31/202		× 3		88			· ·	s .		0.00%		
	PSC Mandate	4451					5/31/201		* >		8 8		0.00%		· ·		0.00%		
	PSC Mandate	4347				95			×		8					ì	0.00% \$		
	PSC Mandate	4124		3,584,165		\$ 3,584,165			\$2,944,136		\$2,688,124			S 74,7	766 \$	244,286	0.00% \$		
238 INVP 3859A NY Retail Access Ph2 236 INVP 4411AB Distributed Generation Portal	PSC Mandate PSC Mandate	3839A 4411A+B	C170 C198 S	3,356,231 3		5,556,231			\$4,272,23		\$3,889,644	8.02.10%		8 8	223 \$	228 164	0.00%		
240 INVP 4383 NY Community Choice Aggregation	PSC Mandate	4383		551,447	٠	\$ 551,447	7 12/31/2017	7 84	\$452,974		\$413,585			\$ 9,659	\$ 659	31,559	0.00%		
241 INVP 4448 Low Income Oxfer CRIS	PSC Mandate	4448	\$220G \$						08		8	8.0210%			8		0.00% \$		
	PSC Mandate	4448		2,489,410 3		2,489,41			\$2,044,872		51,867,058			8 650	381 8	205,945	0.00%		
	PSC Mandate	4411D		896,000		8 896.00			5842,667		\$778,667					* ( )	0.00%		
	Tech. Modernization	4684		5,135,450		\$ 5,135,49			\$3,668,175		\$3,301,361			\$ 34,9	92.1 \$	130,294	6.11% \$	12,014	\$ 44,825
246 Active Directory Improvements	Tech. Modernization	4489	0000	275,000		\$ 275,00			\$235,714		\$216,071			\$ 272	237 \$	6,977	6.11%	770	\$ 2,400
247 Application Performance Management (APM) 248 D AS (ADM D Distriction Mobile)	Tech. Modernization	4269	0000	343,638	31,362	5 575,00			W 5507 143		\$165,179				802 8	1,928	6.11% 5	1,664	5 2,728
249 US Network Programme	Tech. Modernization	4496	G020 S	3.025.000		3.025.00			\$2,772,917		\$2,556,845			s 26.4,	£72 S	76.749	6.11% 5	9.107	s 26.404
	Tech. Modernization	4498	G020 S	2,700,000	٠	\$ 2,700,00			\$2,314,286		\$2,121,429			\$ 21,9	964 \$	68,503	6.11% \$	7,556	\$ 23,567
251 US Wirekes Programme	Tech. Modernization	4499	G020 \$	1,950,000		\$ 1,950,00			\$1,671,425		\$1,532,143			\$ 15.8	863 \$	49,474	6.11% \$	5,457	\$ 17,021
2.52 Monitoring and Alerting	Tech. Modernization	4493	0000	412,366	37,634	\$ 450,00			* 1		\$195,536				149 S	10,466	6.11%	395	3,601
255 Cloud Broker - Hvbrid Enablement	Tech. Modernization	3809	G020 S	250,000	100	s 250,000			\$214.286		\$121,000			s 20 -	034 S	6.343	6.11% 5	200	s 2,182
255 Office 2010 Upgrade	Tech. Modernization	4265	0000	733,095	906,905	800,00	0 4/30/2019		8		\$347,619	8.0210%		\$ 20	042 \$	18,606	6.11% \$	703	\$ 6,401
	Tech. Modernization	4279	G020 \$	300'000	•	\$ 500,00			\$434,524		\$398,810			\$ 4.1	129 \$	12,686	6.11% \$	1,421	\$ 4,364
257 Business Innovation Projects 1	Tech. Modernization	4707	0000	3,086,892	281,721	\$ 3,368,61		84	*		\$1,463,743			8.6	\$ 000	78,344	6.11% \$	2,959	\$ 26,953
238 Data Security 290 Orchestration and Self Service	Tech. Modernization Tech. Modernization	4710	0000	252,623	1,026,924	5 1,575,00 8 750,00		28 88	* >		\$712,500			× ×	S12 S 961 S	26,640	6.11%	1,483	5 9,165
260 Virtual Desktop - DanS	Tech. Modernization	4727	0000	820,000		\$ 550,00		85	\$510,714		\$471,429			8,4,8	881 \$	13,954	6.11% \$	1,679	\$ 4,801
	Tech. Modernization	4495	G020 \$	100,000	•	\$ 100,00		84	\$92,857		\$85,714			8	887 \$	2,537	6.11% \$	305	\$ 873
	Tech. Modernization	4560	G020 \$	456,406	513,284	8 969,69		87	8		8					. !	6.11%	. :	
263 ICE Replacement	Tech. Modernization	4491	0000	3,316,000 3	2 075 000	3,316,00		8 2	55,118,615	\$2,644,905	\$2,881,762	8.02.10%		8,00	836 5	Z, Z	6.11% 5	2 306	5 28,944
	Tech. Modernization	4498	0000		643,973	\$ 643,97		84	· ×		8						6.11% \$		
	Tech. Modernization	4499	G020 \$		568,211	\$ 568,21		84	×		8					ì	6.11% \$		
	Tech. Modernization	4606	0000	943,126	929,380	\$ 1,872,50			*		8				95	,	6.11% \$		
268 US SAP: Business Warehouse (BW) Consolidation to HANA Enterprise Cloud (HEC) 260 Monitoring and Alastine	Tech. Modernization	4562	0000	796,942	376 807	5 1,693,20			8 8	8 8	8 8			· ·	, v		6.11% 5		
270 MWORK and Netmotion Risk Avoidance	Tech. Modernization	4725	O020 s	168,415	189,404	357,819			* >		8 8				· ·		6.11% \$		
	Tech. Modernization	4723	G020 \$	300,000		\$ 300,00			3300,000		172,8728			\$ 2.8	884 \$	7,611	6.11% \$	992	\$ 2,619
	Tech. Modernization		0000	100,000	. !	\$ 100,00			\$100,000		892,857			8	961 \$	2,537	6.11% \$	331	\$ 873
274 FYI9 Natwork Projects	Tech. Modernization	4718	0000	336.831	378.807	s /15,03		\$ 8	3 3	8 8	* 8	8.02.10%			o so		6.11% 5		
	Tech. Modernization	4711	G020 \$	168,415	189,404	\$ 357,81			· ×		8						6.11% \$		
	Tech. Modernization	4707	G020 \$	1,338,308	2,634,928	\$ 3,973,23		84	*	\$3,973,236	\$1,986,618	8.0210%		\$ 12,8	837 \$	,	6.11% \$	4,416	
277 Business Innovation Projects 2	Tech. Modernization	4708	0000	1,134,653	2,233,960	3,368,61		90 0	* 1		8 8	8.0210					6.11%	,	
	Tech. Modernization	4715	G020 S	519,682	1.023.176	5 5,308,01. S 1.542.85		ž %	* *		8 8	8.0210					6.11%		
	Tech. Modernization	4710	G020 \$	530,509	1,044,491	\$ 1,575,00		84	×		8	8.0210%			s		6.11% \$		
	Tech. Modernization	4716	0000	673,662	1,326,338	\$ 2,000,00		***	> 000		8	8.0210%				-	6.11%		
282 1327 interfaces - 523 F1S, 340 KDX, 245 MQSL 253 KCAPS, 444 PM4D, 7 VB 283 US Video Conference Programme	Tech. Modernization	4.497	0700	3,300,000	000009	00'006'5 \$			35,500,000	C'878'76	35,004,280	8.02.10%		, SI,		927,78	6.11%	10,915	28,808
	Tech. Modernization	4564	0000	1,600,798	3,341,460	\$ 4,942,25			· ×		8	8.02.10%				,	6.11%	٠	
	Tech. Modernization	4496	G020 \$	530,509	596,622	\$ 1,127,13	3/31/2021	84	08	08	S :	8.0210					6.11% \$	٠	
280 US VSI Ko Programme 287 118 Winebest Documentors	Tech. Modernization	4498	0700		265,165	5 205,10 5 56821			* >		8 9	8.01210%					6.11%		
	Tech. Modernization	4493	0000		378,807	\$ 378.80			· >		8 8	8.0210%					6.11% S		
	Tech. Modernization	4261	G020 \$		1,235,433	\$ 1,235,43			8		8	8.0210%				,	6.11% \$	٠	
290 IS Tools	Tech. Modernization	4513	0000	173,770	151,523	325,29		36 3	× 1	8 8	8	8.0210%			· ·		6.11% \$		
291 F 120 Edge Projects 292 F Y20 Network Projects	Tech. Modernization	4721	0000	996,989	1,518,240	\$ 2,515,22		* *	* *	8 8	8 8	8.02.10%			n on		6.11% \$		
293 EMM Licenses	Tech. Modernization	4713	G020 S	444,617	500,026	\$ 944,64		84	×	98	8	8.0210%					6.11% \$		
294 Business Innovation Projects 2	Tech. Modernization	4708	0000	800'008	1,505,091	\$ 2,305,09	3/31/2021	36 3	8 8		8	8.02.10%			· ·		6.11% \$		
295. Business Innovation Projects 3	Tech. Modermzation	4728	0000	300,000	496,504	5 2,307,36			* >		3	8.0210					6.11%		
297 Hardware and Software Upgrades	Tech. Modernization	4722	0000		2,296,454	\$ 2,296,45			8 8		8 8	8.0210				,	6.11% \$		
298 Data Centre Consolidation efforts	Tech. Modernization	4709	G020 \$	2000000	1,000,000	s 1,500,00			8		8	8.0210					6.11% \$		
299 FYZ0 Data Centre Projects 300 Entermise Data Management Platform	Tech. Modernization Tech. Modernization	4719	0000		800,000	S 1,400,000	3/31/2021	28 88	* *	8 8	8 8	8.0210%	% 17.76%	· ·	v v		6.11% 5		
301 Business Innovation Projects 2	Tech. Modernization	4708	G020 S		800,000	s 800,00			· >	8	8	8.0210					6.11% \$		
302 Business Innovation Projects 3	Tech. Modernization	4728	G020 S		800,000	\$ 800,00		84	×	08	8	8.0210		8	8		6.11% \$		
1.008.15			7	420,424,6vz	700YC60C01	3 330,060,62			VENT 118/017 6	3 3 200,300,000	0.000000000			S according	500	910,112	2	323,011	3 1,701,770

Service Company Capital Software all coated to Operating Companies as Rent Expense. For the Rate Year ended March 31, 2021.									4/1/2020	3/31/2/02.1		7.9910%	5210E			5210T			
					¥	Forecasted Balance													
			Forec		FY21 Incremental E	after Fiscal Year End (FY21)(After	<	nortization			Š	arvice Co				NIMOT	NIMO T Rent-	NIMO T Rent -	
	Programs		_			Slippage/Cuts)	n Service Date	P					NIMO E Allocation		NIMO E Rent - Depn		Return	Depn	
	Cyber Sœurity	3683	8 8 8	725,080 \$		735 080	3/31/2018	2 2	\$1,042,857	\$834,286		7.9910%	17.76%	9,681 5	57,042	6.11%	5 3,330.62	5 12,743.71	
3 INVP 36 14 DI Ent Network Security	Cyber Sœurity	3614D1	0000	9,674,142 \$		9,674,142	11/30/2017	84	\$6,449,428	\$5,067,408		7.9910%	17.76%	59,397 \$	245,447	6.11%	\$ 20,434	84,441	
	Cyber Sœurity	3683	G020 S	8000000		800,000	7/1/2018	84	\$600,000	\$485,714		7.9910%	17.76%	\$ 5,599 \$	20,297		\$ 1,926	\$ 6,983	
5 Identity & Access Management: Role Base Access Management (RBAC) 6 Enhanced DLP Gateway and Endhoint	Cyber Security Cyber Security	3683	0000	2,238,480 \$		2,238,480	10/1/2018	ž %	\$1,217,857	\$1,439,023	\$1,100,000	7.9910%	17.76%	11,346 3	86,793	6.11%	5 5,905.47	5 19,539	
	Cyber Sœurity	3614B7	G020 S	4,829,586 \$		4,829,586	12/31/2017	84	\$3,277,219	\$2,587,278		7.9910%	17.76%	\$ 30,245 \$	122,533		\$ 10,405	\$ 42,155	
	Cyber Security	3614154	0000 8	1,340,144 \$		1,340,144	12/31/2017	25 2	\$909,384	\$717,934		7.9910%	17.76%	8,393 \$	34,001	6.11%	\$ 2,887.36	\$ 11,697.54	
	Cyber Socurity	3683	0020	1,650,000 \$		1,650,000	8/31/2018	5 % 5 %	\$1,276,786	\$1,041,071		7.9910%	17.76%	5 11,954 5	41,863		4,113	5 4,800.71	
	Cyber Socurity	3683	G020 S	1,000,000 \$		1,000,000	8/1/2018	84	\$761,905	\$619,048		7.9910%	17.76%	s 7,122 s	25,371		\$ 2,450	8.729	
	Cyber Sœurity Cyber Sœurity	3683	0000 8	5,500,000 \$		325,000	6/1/2019	78 84	\$4,845,238	\$4,059,524	\$4,452,381	7.9910%	17.76%	\$ 45,925 \$	139,543	6.11%	5 15,800	\$ 48,007	
	Cyber Sœurity	3683	0000	1,650,000 \$		1,650,000	6/1/2019	8 4	\$1,453,571	\$1,217,857		7.9910%	17.76%	13,778 \$	41,863		\$ 4,740	14,402	
	Cyber Socurity	3683	G020 S	1,740,000 \$		1,740,000	3/31/2019	84	\$1,491,429	\$1,242,857		7.9910%	17.76%	\$ 14,102 \$	44,146		\$ 4,851	\$ 15,188	
16 Domain Based Security Phase 1 17 Security Incident Floor Management Phase 4	Cyber Sœurity Cyber Sœurity	3683	0000	8000000 \$		800,000	3/31/2019	75 × 75	\$685,714	\$571,429	\$628,571	7.9910%	17.76%	5 6,484 5	762,02	6.11%	3 584	5 6,983	
	Cyber Sœurity	3683	0000	4,621,552 \$		4,621,552	5/1/2019	25	\$4,016,349	\$3,356,127		7.5910%	17.76%	38,023 \$	117,255		13,081	\$ 40,340	
	Cyber Sœurity	3683	G020 S	8000000		800,000	3/31/2020	84	\$800,000	\$685,714	\$742,857	7.9910%	17.76%	\$ 7,662 \$	762,02		\$ 2,636	\$ 6,983	
	Cyber Socurity	2000	000	533,616 \$	199522	733 150	5/31/2020	8 8	31,740,000	\$1,491,429		7.9910%	17.76%	10,000 3	12.051	6.11%	5,734	5866	
22 Domain Based Security Phase 2	Cyber Sœurity	3683	0000	3,884,896 \$	1,687,806	5,572,702	4/1/2021	. 75	8	98		7.9910%	17.76%		-	6.11%			
	Cyber Sœurity	3683	O020 \$	524,670 \$	166,362 \$	691,032	5/1/2021	84	8	98		7.9910%	17.76%		•	6.11%			
	Cyber Security	3683	0000 8	2,688,347 \$	2,464,628 \$	5,152,975	5/1/2021	25 2	88	88	88	7.9910%	17.76%			6.11%			
25 LLO Librovery and imprementation: Phase 2 26 LIS CNI Scenity Enhancements - Phase 2	Cyber Socurity	3683	0000	5 150,0021	1962.963 \$	3.463.040	11/1/2021	2 2	3 3	8 8	8 8	7.9910%	17.76%			6.11%			
	Cyber Sœurity	3683	G020 S	378,807 \$	495,698 \$	874,505	12/1/2021	***	8	8	8	7.9910%	17.76%		•	6.11%			
	DPU Mandate	4137	C277 \$		8		5/26/2017	84	8	08	8	7.9910%	9600'0						
	FY18 Plan	4045	S 20 00 00 00 00 00 00 00 00 00 00 00 00	432,455 5		432,455	3/4/2017	25 2	\$241,969	5180,190	\$211,079	7.9910%	4193%	5,287 5	25,904	0.00%			
31 INVP 39.55 EJ Ward Upgerade	FY18 Plan	3955	G235 S	\$ - 8		100,002	3/7/2017	. 25	8	90000	98	7.9910%	0.00%		0000		co+ .		
	FY18 Plan	4188	G148 S	854,204 \$		854,204	12/1/2017	84	\$569,469	\$447,440	\$508,455	7.9910%	18.7.7%	5,543 \$	22,905	6.43%	8 1,899	5 7,846	
	FY18 Plan	4280	0000	2,256,401 \$		2,256,401	12/1/2017	* 3	\$1,504,267	\$1,181,924	\$1,343,096	7.9910%	17.76%	13,854 \$	57,248	6.11%	3 4,766	\$ 19,695	
35 INVP 4364 Wirekess Network	FY18Plan	4364	G020 s	2,303,959 \$		2,303,959	3/31/2018		\$1,645,685	\$1,316,548	\$1,481,116	7.9910%	17.76%	15,277 \$	58,455	6.11%	5,256	\$ 20,110	
	FY18 Plan		G020 S	8,275,650 \$		8,275,650	12/1/2017	120	\$6,344,665	\$5,517,100	\$5,930,882	7.9910%	17.76%	\$ 61,176 \$	146,976	6.11%	\$ 21,046	\$ 50,564	
	FY18 Plan	4289	0000 8	1,336,479 \$		1,336,479	12/1/2017	25.0	986'0688	\$700,061	\$795,523	7.9910%	17.76%	8,206 \$	33,908	6.11%	5 2,823	3 11,666	
39 Microsoft ELA Renewal	FY18 Plan	4642	0000	3,207,476 \$		3.207.476	3/31/2017	5 % 5 75	\$2,180,525	\$1,374,632	\$1,915,034	7.9910%	17.76%	20,282 3	81.378	6.11%	5.850	27.997	
	FY18 Plan	4671	G020 s	4,138,561 \$		4,138,561	3/31/2017	84	\$2,364,892	\$1,773,669	\$2,069,280	7.9910%	17.76%	\$ 21,939 \$	105,001		\$ 7,548	\$ 36,124	
41 Zszakr 42 INRO-2872C AvelDA Software Howards	FY18 Plan	4681	0000	2,100,000 \$		2,100,000	4/1/2018	2 2	\$1,500,000	\$1,200,000	\$1,350,000	7.9910%	17.76%	13,925 \$	53,280	6.11%	5 4,791	\$ 18,330	
	FY18 Plan	4631	0000	254,000 \$		254,000	3/31/2018	2.5	\$181,429	\$145,143	\$163,286	7.9910%	17.76%	1,684 S	6,444		\$ 579	\$ 2,217	
	FY18 Plan	4170	G020 S	2,676,143 \$		2,676,143	4/30/2017	84	\$1,561,083	\$1,178,777	\$1,369,930	7.9910%	17.76%	\$ 14,515 \$	868'19		\$ 4,994	\$ 23,359	
45 INVP 4420 US CNI OMSFocal Point Infrastructure Upgrade 46 INVP 4274 VSTPG Handware Refereb	FY18 Plan	4420	G198 S	705,521 \$		705,521	3/31/2018	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	\$419,953	\$319,164	\$369,559	7.9910%	41.93%	5 9,239 5	42,261	0.00%	. 1 38.1	2023	
	FY18 Plan	4632	G020 S	1,702,730 \$		1,702,730	7/31/2017	***	\$1,054,071	\$810,824	\$932,448	7.9910%	17.76%	\$ 9,863 \$	43,201	6.11%	\$ 3,393	\$ 14,862	
	FY18 Plan	4676	0000 8	1,000,000 \$		1,000,000	3/31/2018	84	\$714,286	\$571,429	\$642,857	7.9910%	17.76%	5 6,631 \$	25,371	6.11%	5 2,281	8,729	
	FY18Plan	3430	0020	1,162,000 \$		1,162,000	2/1/2018	5 % 5 75	\$802,333	\$636,333	\$719,333	7.5910%	17.76%	43,392 3	29,482	6.11%	2,553	5 01,055	
	FY18 Plan	4487	G186 \$	382,000 \$	8	382,000	12/2/2017	84	\$254,667	\$200,095	\$227,381	7.9910%	30.74%	\$ 4,060 \$	16,775		\$ 1,451	\$ 5,997	
52 INVP 4461 Unix51 Interface Migration 53 INVP 4287 Active Disortore Unemade	FV18 Plan FV18 Plan	1984	0000	1,386,701 \$		1,386,701	3/1/2018	35 % 75 77	\$973,992	\$775,892	\$874,942	7.9910%	17.76%	9,025 5	35,183	6.11%	3,105	5 12,104	
	FY18 Plan	4480	G210 S	542,000 \$		542,000	5/1/2019	84	\$471,024	\$393,595	\$432,310	7.9910%	%00'0			0.00%			
	FY18 Plan	4693	G020 S	668,000 \$		000'899	10/30/2017	84	\$437,381	\$341,952	\$389,667	7.9910%	17.76%	4,019 \$	16,948		5 1,383	5,831	
	FY18Plan	4408	G149 S	3,855,044 \$		3,855,044	11/1/2017	* **	\$2,524,136	\$1,973,415	\$2,248,776	7.9910%	17.88%	23,352 \$	698'86	6.15%	8,032	33,869	
	FY18 Plan	39.26	G352 S	838,000 \$		838,000	11/1/2017	84	\$548,690	\$428,976	\$488,833	7.9910%	17.94%	\$ 5,093 \$	21,477		\$ 1,752	\$ 7,386	
59 Gas Service Database - UNY 60 Gas Santica Database - DNV (11 and NYC)	FY18 Plan	33.45	5210G \$	325,000 \$		325,000	12/1/2017	75 84	\$216,667	\$170,238	\$193,452	7.9910%	0.00%			0.00%			
	FY18 Plan	3982	G381 \$			,	1/1/2018	84	8	8	8	7.9910%	0.00%		,	0.00%			
	FY18 Plan	4466	G210 \$	572,000 \$		572,000	9/1/2019	84	\$524,333	\$442,619	\$483,476	7.9910%	0.00%	8	1				
<ol> <li>Computapole Enhancements to Support Inspection Types</li> <li>Travel &amp; Perense Management (T&amp;P) and Global Master Service Provider (MSP) Strategy</li> </ol>	FY18 Plan FY18 Plan	4462	808	450,000 \$		1 2 3 2 000	9/1/2019	25 %	\$412,500	\$348,214	\$380,357	7.9910%	30.74%	6,791 5	19,761	10.99%	3,428	5 7,065	
	FY18 Plan	4389	G148 S	1,500,000 \$		1,500,000	6/30/2019	84	\$1,339,286	\$1,125,000	\$1,232,143	7.9910%	18.77%	5 13,432 \$	40,221		8 4,601	\$ 13,779	
	FY18 Plan	3486	G186 S	758,544 \$		758,544	3/31/2018	84	\$541,817	\$433,454	\$487,635	7.9910%	30.74%	8 8.706 \$	33,311		3,113	\$ 11,909	
6/ INVP 4530 Plactic Fusion II 68 INVP 4597 Acha TLS and CI Undate	FY18 Plan	4397	CO 20 2	300,000 5		306,000	3/31/2018	120	\$1281.781	\$289,143	\$1201.669	7.9910%	17.76%	12.395 5	28.456	6.11%	5 4.264	9.790	
	FY18 Plan	4395	G020 S	4,500,000 \$		4,500,000	3/31/2018	84	\$3,214,286	\$2,571,429	\$2,892,857	7.9910%	17.76%	\$ 41,056 \$	114,171		\$ 14,124	\$ 39,279	
70 US SAP: Infrastructure Lankkcape 21 118 CM/Took Services, Menored Eminement Lifecocks Producements	FY18 Plan FY18 Plan	4348	0000 8	4,142,700 \$		4,142,700	3/31/2018	25 25	\$2,959,071	\$2,367,257	\$2,663,164	7.9910%	30.74%	\$ 27,470 \$	105,106	6.11%	9,451	36,160	
	FY18 Plan	4568	. s . s	3,213,537 \$		3,213,537	3/31/2018	. 25	\$2,295,384	\$1,836,307	\$2,065,846	7.9910%	26.20%	31,435 \$	120,278		\$ 42,497	\$ 162,605	
	FY18 Plan	4647	G020 S	225,000 \$		225,000	5/1/2019	84	\$195,536	\$163,393	\$179,464	7.9910%	17.76%	\$ 1,851 \$	5,709		\$ 637	\$ 1,964	
74 Application monitoring, Network/IDS, Operations monitoring	FY18 Plan	4677	G020 S	675,000 \$		675,000	3/31/2018	75 6	\$482,143	\$385,714	\$433,929	7.9910%	17.76%	\$ 4,476 \$	17,126	6.11%	5 1,540	5,892	
	Floran	/00h	0.000	* MANYON	,	NAMA.	3/31/2010	ŧ.	0.07,120	950,114	C7 C, D75	139103	IIun	, , ,	42161	£ 11.5	707	020	

Ningara Mañawk Power Corporation Ubris National Grail Serwice Company Steam Service Company Steam Service Company Capal Marchana allocated to Operating Companies as Rear Expense For the Rate Veta evolad March 31, 2021																			
									4/1/2020	3/31/2021		7.9910%	5210E			22	5210T		
						recasted Balance fler Fiscal Year													
Line Investment Name	Programs	INVP#	_	Forecasted Balance at Fiscal Year End (FY20)	FY21 Incremental 1 Additions	End (FY21)(After Slippage/Cuts)	.5	Amon	4/1/2020		Ψ,	ervice Co Return ND	NIMO E Allocation	NIMO E Rent-Return	NIMO E Rent - I		NIMO T NIMO TRent- dlocation Return	Ř	IOT Rent - Depn
	FY18 Plan	4683	80	536,718		536,718	3/31/2017	84	\$306,696	\$230,022	\$268,359	7.9910%	17.76%	\$ 2,845			6.11% \$	979 \$	4,685
77 Load and DER Forecasting (Acquisition of Remote Sersing Data - Mass) 78 INVP4449 - EPA File	FY18 Plan	4449	0.00	630,000		000'089	3/31/2017		\$450,000			7.9910%	40.06%	s 9,423	n n		0.55 S	n n	
<ol> <li>Informatica Uggrade Microstrategy Replacement Program</li> <li>Call Center Customer Centers Chornes SDC Technolony Towarde Innotement Solution</li> </ol>	FY18 Plan	3032	O020 S	3,164,400		3,164,400	8/31/2018		\$2,297,957			7.9910%	17.76%	\$ 21,371	s s	0,285 6.11%	1% \$	7,352 \$	27,621
	FY18Plan	4481	0186 8	1,944,000		1,944,000	5/1/2019	· 36 3	\$1,689,429	\$1,411,714	\$1,550,571	7.9910%	30.74%	\$ 27,683		85,369 10,99%	· s ·	· • •	30,521
82. INVP 4598. Storms Interface Upgrade 83. General Ledger Interface CR IS SAP	FY18 Plan	8 84	C343 S	087006'8		8,960,280	3/1/2019		08			7.9910%	0.00%	5 104,030	· ·	8,083 9,03% - 0.00%	n w	0 00	997'57
84 STORMS Capital Cost Estimates 88 CPRS Data Architual	FY18 Plan	4467	G148 S	698,400		698,400	5/1/2019		\$606,943			7.9910%	18.77%	\$ 6,073		18,727 6.43%	3% \$	2,080 \$	6,415
	FY18 Plan	4570	986				3/31/2019		8 8			7.9910%	30.74%			- 10.5	10.99% \$	0 90	
87 Inventory Management Handheld Devices 88 Continues Bill Devletion	FY18 Plan FY18 Plan	01027	0000 8	129,283		129,283	3/31/2017		\$73,876		\$64,642	7.9910%	17.76%	\$ 685	s »		6.11% \$	236 \$	1,128
	FY18 Plan	37.37	C210 S	23,337,262		23,337,262	3/31/2020		\$23,337,262	\$20,003,3		7.9910%	0.00%			- 0.00%	0.88		
90 Cisco Prime 91 Contractor Manasement Modernization	FY18 Plan FY18 Plan	4679	0000	432,000	S 120,654 S	552,654	5/1/2021		8 8	8 8	88	7.9910%	17.76%		s s	6.11%	s s	s s	
	GBE- Asset Management	4572	C210	1,899,720		1,899,720	12/1/2017		\$1,456,452			7.9910%	0.00%			- 0.00%	0.00 0.00 0.00 0.00		
93 AM Program Lendership-1 94 Enhancements	GBE- Asset Management GBE- Asset Management	4572	2 2 10 C2 10 C2 10	2,394,788		2,394,788	12/1/2018		\$2,075,483	\$1,25.10		7.9910%	90000		s s	- 0.00%	s s	, ,	
	GBE- Asset Management	4572	C210 S	647,971		647,971	2/1/2019		\$572,374	5507.577		7.9910%	0.00%		8 1	- 00.00	8 %0		,
	GBE- Asset Management GBE- Asset Management	4572	2 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10,253,139		10,253,139	3/1/2019		\$9,142,382	\$284,057		7.9910%	0.00%		o o	- 0.00%	036 0		
98 EAM-FIN integration	GBE- Asset Management	4572	C210 S	1,620,259		1,620,259	6/1/2019		\$1,485,238	\$1,323,212	\$1,404,225	7.9910%	0.00%		s .	- 0.00%	9% \$	· ·	
99 Integrity Management integrations 100 AM Program Leadership-3	GBE- Asset Management GBE- Asset Management	4572	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	377,711		377,711	3/1/2020		\$374,563	\$336,792		7.9910%	0.00%		s s	- 0.00%	0 % o	, ,	
	GBE- Asset Management	4572	C210 S	6,107,893	\$ 3,201,244 \$	9,149,075	9/1/2020		8			7.9910%	9,000			- 0.009	S %0	90	,
102 Asset Analytics Integration 103 (GIS (GWD,CI)) - PPM Integration	GBE- Asset Management GBE- Asset Management	4572	2 2 2		S 1,764,202 S S 844.849 S	802.606	121/2020	120	8 8			7.9910%	0.00%		o o	- 0.009	o s o		
	GBE- Asset Management	4572	C210 S	4,164,942	\$ 3282,332 \$	7,283,158	12/2/2020	120	8			7.9910%	0.00%			- 0.009	S %0		
105 AM Program Leadership-4 106 Tice Cases No.1 - Asser Risk	GBE- Asset Management GBE- Asset Management	4572	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		\$ 103,929 \$	3.411.480	3/1/2021	130	8 8		\$48,955	7.9910%	%00.0		s s	- 0.00%	0% S	s s	
	GBE- Asset Management	4572	C2 10 \$		s 2,389,087 s	2,269,632	3/1/2021	120	8			7.9910%	9,000			- 00'00	S %0		
108 Program Learning Management-1 109 Process Transformational Chanse Office-1	GBE- Business Enablement GBE- Business Enablement	4572	0200	105,567		105,567	3/1/2018	130	\$83,574			7.9910%	0.00%		s s	- 0.009	0% S	s s	
	GBE- Business Enablement	4572	C2 10 \$	62,655		62,655	3/1/2019	120	\$55,868			7.9910%	9600'0		. %	- 0.00%	9.60		į
111 Program Learning Management-2 112 Program Transformational Change Office -2	GBE- Business Enablement GBE- Business Enablement	4572 4572	2 2 2 3 3 3	117,190		117,190	3/1/2019	120	\$104,494			7.9910%	90000		v v	- 0.00%	9% s 0% s	» »	
	GBE- Business Enablement	4572	C210 S	160,081		180,081	3/1/2020	120	\$158,747			7.9910%	96000		s 1	- 0.00%	960 S	90 1	,
114 Program Transformationnal Change Office-5 115 Program Business Sustainment-2	GBE- Business Enablement GBE- Business Enablement	4572	2 2 10 C2 10 C2 10	341,051	s - s	210,682	3/1/2021	20 22	\$538,209		\$104,463	7.9910%	90000		s s	- 0.00%	s s	, ,	
116 Program Learning Maragement-4	GBE- Business Enablement	4572	C2 10 S		\$ 195,721 \$	185,935	3/1/2021	120	8 8			7.9910%	90000		· ·	- 0.00%	5 %0	· ·	,
117 Program Transformational Change Unice-4 118 Customer Experience Program.Leadership-1	GBE- Customer Engagement	4572	C 210 C 210 C 210	234,206	5 - 109,048 3	234,206	3/1/2019	120	\$208,834			7.9910%	0.00%		o o	- 0.00%			
119 CxTPontal & Channel Management	GBE- Customer Engagement	4572	C210	10,817,383		10,817,383	6/1/2019	120	\$9,915,934			7.9910%	90000		o. o	- 0.00%	3 % S		
	GBE- Customer Engagement	4572	C210	7,260,786		7,260,786	10/1/2019	120	\$6,897,747			7.9910%	0.00%		2 %	0.00%	. s . s	9	
122 Customer Experience Program Loadership-2	GBE- Customer Engagement	4572	020	246,306		246,306	3/1/2020	120	\$244,254		\$231,938	7.9910%	0.00%		s s	88	0.00% \$		
	GBE-Customer Engagement	4572	C210 S	32,329	\$ 1,411,132 \$	1,372,905	7/1/2020	120	8		\$634,969	7.9910%	96000			- 0.00%	\$ %0		
	GBE- Customer Engagement GBE- Customer Engagement	4572	0 0 0		\$ 292,791 \$	278,152	1/1/2020	120	88		\$128,645	7.9910%	9,0000		v v	- 0.00%	0% 0% 0%	v v	
127 Customer Experience ProgramLeadership-3	GBE- Customer Engagement	4572	C210 S	. 000000	\$ 203,177 \$	193,018	3/1/2021	120	90 82 680 000		\$95,705	7.9910%	90000		s »	- 0.00%	39% \$		
	GBE- Data Management	4572	C210 S	53,001		53,001	3/1/2018	120	\$41,959		\$39,309	7.9910%	9,000			- 0.00%	s s		
130 Enable the Data Archive Process 131 Data Manneuman & Gruermance Procesm Leadershin-2	GBE- Data Management GBE- Data Management	4572	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1,963,221		1,963,221	3/1/2019	130	\$1,750,539		\$1,652,378	7.9910%	%00.0		s s	- 0.00%	0% S	s s	
132 Data Management & Governance Program Leadership-3	GBB- Data Management	4572	C210 S	82,985	8	82,985	3/1/2020	120	\$82,293		\$78,144	7.9910%	0.00%		· s	- 0.00%	\$ %0		
153 PowerPlan Architecture Enhancements 134 Comprehensive Integration Services (Enhancements)	GBE-Information Services Enabling GBE-Information Services Enabling	4572	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5,472,100		5,472,100	12/1/2017	120	\$4,149,676 \$54,251		\$5,876,071	7.9910%	0.00%		v «	- 0.00%	0% o	, ,	
	GBE-Information Services Enabling	4572	C210 \$	1,956,969	8	1,956,969	12/1/2017	120	\$1,500,343		\$1,402,494	7.9910%	90000	•	92	- 0.00%	\$ %0		
136 Development Operations & BPA Enablement-1 137 SAP and Application Integration Development- Release 1-1	GBE-Information Services Enabling GBE-Information Services Enabling	4572	2 2 10 2 10 2 10 2 10 2 10 2 10 2 10 2	2,613,528		2,613,528	3/1/2018	120	\$2,069,043		\$3,180,762	7.9910%	9,000		v v	- 0.009	9.8 0.8 0.8	o o	
	GBE-Information Services Enabling	4572	C210 S	544,311		544,311	3/1/2018	120	\$430,913		\$403,697	7.9910%	96000		s 1	- 0.009	960 S	90 1	·
13.9 Operations System monitoring 140 Development Operations & BPA Enablement-2	GBE-Information Services Enabling	4572	2 0 0 0	2,305,810		2,305,810	3/1/2019	120	\$2,056,014		\$1,940,723	7.9910%	0.00%			- 0.00%	s s		
	GBE-Information Services Enabling	4572	C210	4,093,351		4,093,351	3/1/2019	120	\$3,649,905		\$3,445,237	7.9910%	90000		90 1	- 0000	960 960 960	90 1	
14.2. SAP and Application integration Levelopment: Retease 2-1 14.3. Mobility CoE & End-User Computing-2	GBE-Information Services Enabling GBE-Information Services Enabling	4572	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	828,483		828,483	3/1/2019	120	\$738,730		\$697,306	7.9910%	0.00%		0 00	0003	o s s	o «	
	GBE-Information Services Enabling	4572	C210 S	2,001,833		2,001,833	3/1/2020	120	\$1,985,151		\$1,885,060	7.9910%	9600'0		~	- 0.009	s %0		
145. SAP and Application Integration Development-Release 1-3 146. SAP and Application Integration Development-Release 2-2	GBE- Information Services Enabling GBE- Information Services Enabling	4572	0210	4,067,285		4,067,285	3/1/2020	120	\$550,375	\$3,626,662	\$522,625	7.9910%	0.00%		s s	0.0	0% S	s ss	
	GBE-Information Services Enabling	4572	C210 S	79,471		179,47	3/1/2020	120	\$78,809		\$74,835	7.9910%	90000	92.1	92.1	- 00.00	\$ 960	92.1	,
148 Monthly Cot: & Enta-Dset Computing-5 149 Test Automation Implementation	GBE-Information Services Enabling GBE-Information Services Enabling	4572	C 210	2,079,221	288,018 5	2,352,839	12/1/2020	120	10 C 08 08	s	\$1,137,205	7.9910%	0.00%		o o	- 0.00%			
	GBE- Information Services Enabling	4572	C210 \$		\$ 2,176,436 \$	2,067,614	3/1/2021	120	S	\$2,050,384	\$1,025,192	7.9910%	0.00%		s	. 00	\$ %0		

for the Rate Year ended March 31, 2021									4/1/2020	3/31/2/021		7.9910%	5210E			5210T		
					ď.	precasted Balance												
Line Investment Name	Programs	INVP# Bill	Fore Bill Pool Fiscal	Forecasted Balance at Fiscal Year End (FY20)	FY21 Incremental I	End (FY21)(After Slippage/Cuts) In		Amortization Period	4/1/2020 Balance	3/31/2021 Balance	Average Balance	Service Co Return N	MO E Allocation	NIMO E Rent-Return	NIMO E Rent - Depn	NIMO T NI Allocation	NIMO TRent- NI Return	NIMO T Rent - Depn
151 SAP and Application Integration Development- Release 1-4	GBE- Information Services Enabling	4572 CC				570,000		120	8 8	\$565,250	\$282,625	7.9910%	\$ 9000			0.00% \$		
153 Mobility Col. & End-User Computing-4	GBE- Information Services Enabling				952,793 \$	905,153		120	8 8	\$897,610	\$448,805	7.9910%	0.00%			0.00% \$		
154 Portfolio Management Leadership-1 155 Solnifon Architects & Avile Coaches-1	GBE-Portfolio Office GBE-Portfolio Office		s s	1,481,327 \$		1,481,327		120	\$1,172,717	\$1,024,585	\$1,098,651	7.9910%	0.00% \$			0.00% \$		
	GBE- Portfolio Office		\$ 01	1,930,034 \$		1,930,034		120	\$1,720,947	\$1,527,943	\$1,624,445	7.9910%	0.00%			0.00% \$		
157 Solution Architects & Agis Coaches-2 158 Doctricity Management Leadure bits.	GBE- Portfolio Office		S 9	3,568,169 \$		3,568,169		120	\$3,181,617	\$2,824,800	\$3,003,209	7.9910%	0.00%			0.00% \$		
159 Solution Architects & Agile Coaches-3	GBE- Portfolio Office		, s	2,612,469 \$		2,612,469		120	\$2,590,698	\$2,329,451	\$2,460,075	7.5910%	0.00%			0.00%		
160 Portfolio Management Leadership-4	GBE- Portfolio Office		\$ 000	8		1,763,106		120	96	\$1,748,413	\$874,207	7.9910%	0.00%		•	0.00% \$		
	GBE- Supply Chain			508,541 \$		508,541		120	\$453,449	\$402,595	\$428,022	7.9910%	0.00%			0.00% \$		
	GBE-Supply Chain		\$ 013	217,614 \$		217,614		120	\$215,800	\$194,039	\$204,920	7.9910%	0.00% \$			0.00% \$		
164 Business Architecture Design	GBE-Work Management		200	2,703,676 \$		2,703,676		120	\$2,072,819	\$1,802,451	\$1,937,635	7.9910%	90000			0.00% 5		
	GBE- work Management GBE- Work Management			23,876,723 \$		23,876,723		120	\$19,698,296	\$17,310,624	\$18,504,460	7.9910%	0.00%			0.00% \$		
	GBE-Work Management		C210 \$	1,492,595 \$	8	1,492,595		120	\$1,281,144	\$1,131,885	\$1,206,514	7.9910%	0.00%	8	•	0.00% \$		
168 WMFE Program Leadership-2	GBE- Work Management		C210 8	507,323 \$		507,323		120	\$452,363	\$401,631	\$426,997	7.9910%	0.00%			0.00% \$		
109 Company Driven Work: Collections and non-Appointment Offs - Gas 170 Commany Driven Work: Collections and non-Americanous Offs. Rhenric	GBE- Work Management GBB- Work Management		2 2 2 2 2 2	2 5893833 5		4,808,853 7,580,387		120	\$4,568,411	\$4,087,525	\$4,327,968	7.9910%	47.71%		123 430	0.00%		
171 Customer Leak Investigation & Inspections - Cas	GBE-Work Management		2 0	18.594.195		18.594.195		120	\$17,664,485	\$15.805.066	\$16734.775	7.9910%	0.00%		e continue	0.00%		
172 Customer, Leak Investigation & Inspections - Electric	GBE-Work Management		C198 S	10,012,258 \$		10,012,258		120	\$9,511,645	\$8,510,419	\$9,011,032	7.9910%	47.71% \$	249,690 \$	477,685	0.00% \$		
17.3 WMFE Program Leadership-3	GBE- Work Management		C210 \$	550,379 \$		550,379		120	\$545,792	\$490,754	\$518,273	7.9910%	0.00% \$			0.00% \$		
	GBE- Work Management		C210 \$	846,783 \$	1,031,426 \$	1,826,638		120	8	\$1,674,418	\$837,209	7.9910%	0.00% \$	8		0.00% \$		
175 Construction Work & Lask Repair	GBE- Work Management		C310	8,279,323 \$	10,718,386 \$	18,461,790	9/1/2020		8 8	\$17,384,852	\$8,692,426	7.9910%	0.00%			0.00% \$		
176 WMFEProgram.Leadersmp-4 177 Work Preventing & Planning solution	GBB- Work Management		210		1708 505 \$	1623.080	5/1/2021		8 8	3140,081	3/3,041	7.9910%	0.00%			0.00%		
178 Core Projects & Program Management	GBE-Work Management		s of		3134.061 \$	2.977.358	6/1/2021		8 8	8 8	8 8	7.9910%	0.00%			0.00%		
	GBE-Work Management	4572 C210	300	320,816 \$	2,984,574 \$	3,156,161	3/1/2022		8	8	8	7.9910%	\$ %0000			0.00% \$		
	Growth Play Book-CXT		75 \$	2,000,000 \$	\$	2,000,000	10/31/2019		\$1,880,952	\$1,595,238	\$1,738,095	7.9910%	23.28% \$	23,499 \$	66,512	0.00% \$		
	Growth Play Book-CXT		75 \$	8,500,000 \$		8,500,000	9/1/2019		\$7,791,667	\$6,577,381	\$7,184,524	7.9910%	23.28% \$	97,137 \$	282,676	0.00% \$		
182 Governance Risk & Compliance (GRC) Optimization/Upgrade	Growth Play Book-Finance		G020 s	1,540,000 \$		1,540,000	3/1/2019	84	\$1,301,667	\$1,081,667	\$1,191,667	7.9910%	17.76% \$	12,292 \$	39,072	6.11% \$	4,229 \$	13,442
183 US SAP: Business Planning	Growth Play Book-Finance		0000	4,643,000 \$		4,643,000		35 3	\$3,979,714	\$3,316,429	\$3,648,071	7.9910%	17.76% \$	37,629 \$	117,800	6.11% \$	12,946 \$	40,527
	Growth Play Book-Finance		0000	1,315,000 \$		1,315,000		30 c	\$1,236,726	\$1,048,869	\$1,142,798	7.9910%	17.76% \$	11,788 \$	33,363	6.11% 5	4,055 \$	11,478
<ol> <li>D.K.M.S. 107 Col. LJ CHRISTIN Response</li> <li>T. London J. D. Francourish a (Acceleration of Remote Sensing Data - NY)</li> </ol>	NY REV / GRU MOS		2 2	8 5767373 8		3,429,033		0 8	52,381,090	\$1,238,419	\$1,510,054	7.0010%	7291%	185 557 5	1145,411	0.00%		
187 Plant Information Historian	NY REV / Grid Mod	4704K GI	. %	5,600,000 \$	5.827.818 5	11,427,818		. 20	98	\$10,611,545	\$5,305,773	7.9910%	4193% \$	76,904 \$	342,263	0.00%		
188 DGIOAP Phase II (Tactical)	NY REV / Grid Mod	4704P 52	10E \$	915,837 \$		915,837	4/1/2020	84	\$915,837	\$785,003	\$850,420	7.9910%	100.00% \$	49,391 \$	130,834	0.00% \$		,
	NY REV / Grid Mod	4704D 52	10E \$	1,130,816 \$	449,335 \$	1,580,151		84	80	\$1,373,226	\$686,613	7.9910%	100.00% \$	22,629 \$	206,925	0.00% \$		
	NY REV / Grid Mod	47041 52	10E \$	491,473 \$	805,949 \$	1,297,422		84	8	\$1,127,522	\$563,761	7.9910%	100.00% \$	18,580 \$	169,901	0.00% \$		
	NY REV / Grid Mod	4704A C.	2 2	2 100001 c	5 322 228	3 073 750		2 2	8 8	83023 280	8 8 8 8	7.9910%	7291% 5	40.403 \$		0.00% 5		
192. Creen Burken Commed.	NY REV / Grid Mod	4704F 52	· · ·	\$ -0.000,000	e citicio			5 35	8 8	80 S	8000000	7.9910%	100.00%	s cons'n+		0.00% 5		
	NY REV / Grid Mod	47041 52	OE S				3/31/2021	84	8	8	8	7.9910%	100.00%			0.00% \$		
195 Outdoor Lighting Inventory Portal	NY REV / Grid Mod	47040 52	10E \$	787,202 \$	312,798 \$	1,100,000		84	8	\$1,100,000	\$550,000	7.9910%	100.00% \$	19,936 \$		0.00% \$		
196 DRMS for C&IDemand Response (Renewal)	NY REV / Grid Mod	52	S	2,000,000 \$	\$,639,675 \$	7,639,675	5/1/2021	12	8	8	8	7.9910%	100.00% \$			0.00% \$		
197 Grid MOD - ABB/ADMS & D-SCADA	NY REV / Grid Mod	4704G 52	, . E E		6,000,000 5	6,000,000		et 3	8 8	8 8	8 8	7.9910%	100.00%			0.00%		
	NY REV / Grid Mod	4704I 52	2 2	6 145,541	2740.467 \$	2.740.467		s s	8 8	8 8	8 8	7.9910%	7291% \$			0.00%		
200 AMI - Enterprise Service Bus & API Integration	NY REV / Grid Mod	47040 52	OE S		6.099,748 \$	6.099,748	3/31/2022	. 20	8	8	8	7.9910%	100.00% S			0.00%		
	NY REV / Grid Mod	4704L CI	13 \$					84	8	8	8	7.9910%	72.91% \$			0.00% \$		,
202 AMI - Info Mgt & Advanced Analytics	NY REV / Grid Mod	4704L 52	10E \$			•		84	98	8	8	7.9910%	100.00% \$			0.00% \$		
203 IS-Cloud Computing & Data Lake	NY REV / Grid Mod	4704M CI	13 \$					84	8	8	8	7.9910%	72.91% \$	8		0.00% \$		
204 IS-Cloud Computing & Data Lake	NY REV / Grid Mod		8 8	1,300,000 \$	2,759,823 \$	4,059,823		25 0	8 8	8 8	8 8	7.9910%	100.00% \$			0.00% \$		
205 Cyber Security 205 Cyber Security	NY REV / GRU MOS		\$210B \$	3,000,000 8	2,100,541	0,586,94		5 2	8 8	8 8	8 8	7.0010%	100.00%			0.00%		
	NY REV / Grid Mod		5210E S	54,350 \$		54,350	3/31/2019	36	\$36,233	\$18,117	\$27,175	7.9910%	100.00% \$	1,578 \$	18,117	0.00% \$		
208 INVP 3882 NYS Pipdine Safety CMS	Other Mandates		G207 \$	1,668,447 \$		1,668,447		84	\$873,949	\$635,599	\$754,774	7.9910%	0.00%			0.00% \$		
209 INVP 3851 Consolidated Voice Recorder for US Electric Control Rooms	Other Mandates	3851 GI	81 8	1,234,000 \$		1,234,000		84	\$881,429	\$705,143	\$793,286	7.9910%	74.79% \$	34,458 \$	131,844	25.21% \$	11,615 \$	44,442
210 Annual HK & Payroll Mandatory Service Pack Upgrade (HKS P) - FY18 211 Description Mandator DV10	Other Mandates		8 8	1,126,000 5		1,126,000		\$ 2	5/64,0/1	\$605,214	3085,043	7.9910%	17.76% 5	3,002	28,268	6.11%	2,426 \$	878%
212 US Control-Gas Electronic Bulletin Board (EBB) Unerrade	Other Mandanes	6.24	200	3,000,000		3,000,000	5/1/2018	. 20	\$2,178,571	\$1,750,000	\$1.964.286	7.9910%	0.00%			0.00%		
213 Regulatory Mandates - FY19	Other Mandates		\$ 00					84	8	08	8	7.9910%	17.76% \$		•	6.11% \$		,
214 Regulatory Manchates - FY 20	Other Mandates	Ø	S 021			•		84	98	98	8	7.9910%	17.76% \$			6.11% \$		
215 Regulatory Manchtes - FY21	Other Mandates	8	8 8	\$				25.0	8	8	8	7.9910%	17.76% \$			6.11% \$		
210 Physical Security Replacements - F117 217 Physical Security Real accessors - F117	Physical Security	5 6		2,119,10%		401,91104	3/31/2017	8 2	08	OCCUPATION OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE	260,600,16	7.0010%	0.00%	c clear	0.66,60	0.00%	6 606'8	52/52
218 Physical Security Replacements - FY17	Physical Security	3	23 8					. 45	8	8	8	7.9910%	\$ 90000			0.00% \$		
	Physical Security	ď	8 00	\$ 000'056		950,000		84	\$678,571	\$542,857	\$610,714	7.9910%	17.76% \$	6,299 \$	24,103	6.11% \$	2,167 \$	8,292
220 All NIMO Physical Security Replacements - FY18	Physical Security	5	14 \$	490,000 \$		490,000		84	\$350,000	\$280,000	\$315,000	7.9910%	63.00% \$	11,526 \$	44,100	21.03% \$	3,847 \$	14,721
	Physical Security	8	s :					\$ 5	8	8	8	7.9910%	0.00%			0.00% \$		
222 Physical Security Replacements - FY18 223 Physical Security Replacements - FY19	Physical Security	3 8		8 000568		825 000	3/31/2018	8 8	30	85.89.38	8648 214	7.9910%	0.00%	\$ 989.9	30.931	6 11% 5	2 300 8	7201
224 All NIMO Physical Socurity Replacements - FY19	Physical Security	5 6		275.000 \$		275,000		7	\$235.714	\$196.429	\$216.071	7.9910%	63.00% \$	7.906 \$	24.750	21.03% \$	2.639 \$	8.262
225 Physical Security Replacements - FY19	Physical Security	8 8	. 8					8 8	8	8	8	7.9910%	0.00%	8		0.00% \$		
226 Physical Security Replacements - FY19	Physical Security	ö	23 \$					84	8	8	8	7.9910%	0.00%			0.00% \$		
	Physical Security	8	. So . S	835,000 \$		835,000		84	\$835,000	\$715,714	5775,357	7.9910%	17.76% \$	7,998 \$	21,185	6.11% \$	2,751 \$	7,288
	Physical Security Physical Security	5 6	G286 S	282,000 3		282,AUV		8 8 4 7	08077076	\$241,714 \$0	8261,857 80	7.5910%	0.00% 5	9,381 3	nec*c7	0.00% \$	5,198 5	27 + 72
230 Physical Security Replacements - FY20	Physical Security	13	. s				3/31/2020	84	8	8	8	7.9910%	0.00%			0.00%	. 00	

NIMO E

For the Rate Year ended March 31, 2021									4/1/2020	3/31/2/021		7.9910%	5210E				5210T		
						Forecasted Balance after Fiscal Year													
Line Investment Name	Programs	INVP# B	Fe Bill Pool Fis	Forecasted Balance at 1 Fiscal Year End (FY20)	FY21 Incremental 1 Additions	ind (FY21)(After Slipnase/Cuts)	In Service Date	Amortizatio	n 4/1/2020 Balance	3/31/2021 Balance	Average Balance	Service Co Return	NIMO E Allocat	ion NIMO E Rent	Return	NIMO E Rent - Denn	NIMO T N	NIMO TRent- 1 Return	NIMO T Rent - Dem
	Physical Security					860,000		84	8	\$860,000				°			6.11% \$	952	
	Physical Security		G114 S			290,000		87	8	\$290,000	\$145,000			s	3,311 \$		21.03% \$	1,105	
233. Physical Security Replacements - FY21 234. Physical Security Replacements - FY21	Physical Security		2 28				3/31/2021	84 84	8 8	8 8	3 3			n v			0.00%		
	PSC Mandate	4451	G225 \$				5/31/2017	84	8	8	8			s			0.00%	,	
	PSC Mandate	4347	\$220G \$			. :		84	06	8	8			s			0.00% \$		
237 INVP 4124 Auto Remote Not Meter 238 INVP 3839A NY Retail Access Ph2	PSC Mandate PSC Mandate	4124 3839A	C138	3,584,165 5		5,584,165	12/31/2017	× ×	\$2,432,112	\$1,920,089	\$2,176,100	7.9910%	47.71%	v v	60,298 S	306.529	0.00%		
	PSC Mandate	4411A+B	C198 S	3,347,611 \$		3,347,611		84	\$2,231,740	\$1,753,510	\$1,992,625			s	55,214 \$	228,164	0.00% \$		
240 INVP 4383 NY Community Choke Aggregation	PSC Mandate	4383	CI70 s	551,447 \$		551,447	12/31/2017	28.2	\$374,196	\$295,418	\$334,807			s o	7,790 \$	31,559	0.00%		
	PSC Mandate	4448	C195 S	2,489,410 \$		2,489,410		5 %	\$1,689,243	\$1,333,613	\$1,511,428				50,834 \$	205,945	0.00%		
	PSC Mandate	4411C	C198 \$	8 000'869		000'869		84	\$506,881	\$407,167	\$457,024			s	12,664 \$	47,574	0.00% \$		
244 INVP 4411D New Gas Connections 245 CPR Bardench	PSC Mandate Tech Modernization	4411D	C210 S	896,000 8		896,000		8 8	\$714,667	5586,667	\$650,667			s v		130.304	0.00% \$	. 6	44828
	Tech. Modernization	4489	0000	275,000 8		275,000		. 25	\$196,429	\$157,143	\$176,786			. «	1,824 \$	6,977	6.11% \$	627	2,400
247 Application Performance Management (APM)	Tech. Modernization	4490	G020 S	375,000 \$		375,000		8.5	\$330,357	\$276,786	\$303,571			s s	3,131 \$	9,514	6.11% \$	1,077	3,273
248 KAN VPN Re-Platform/Mobile 249 TR Metwork Programme	Tech. Modernization  Tech. Modernization	4269	888	3.025.000		3 025 000		84 84	\$23,020	\$1505,714	\$2.124.702			n v	3,905 5 21.916 S	76 749	811.6	7.540	26404
	Tech. Modernization	4498	0000	2,700,000 \$		2,700,000	3/31/2018	84	\$1,928,571	\$1,542,857	\$1,735,714				17,904 \$	68,503	6.11% \$	6,159	23,567
	Tech. Modernization	4499	G020 s	1,950,000 \$		1,950,000		84	\$1,392,857	\$1,114,286	\$1,253,571			s	12,930 \$	49,474	6.11% \$	4,448	17,021
252 Monitoring and Alerting 253 RSA Renduform	Tech. Modernization Tech. Modernization	4230	888	450,000 s		280,000	5/1/2019	8 8	\$291,071	\$526,786	\$558,929			n v	3,702 5	7 104	0.11%	703	3,928
	Tech. Modernization	38.80	0000	250,000 \$		250,000		25	\$178,571	\$142,857	\$160,714			. «	1,658 \$	6,343	6.11% \$	570	2,182
255 Office 2010 Upgrade	Tech. Modernization	4265	O020 s	8000000		800,000		84	\$695,238	\$580,952	\$638,095			s	6,582 \$	20,297	6.11% \$	2,264	6,983
256 Chrix Infratucture Upgrade (Xenapp and NotScaler) 257 Business Immunity Decision 1	Tech. Modernization Took Modernization	4279	0000	2 200,000		2 3 68 61 3	4/30/2018	25.2	\$363,095	\$291,667	\$327,381			s v	3,377 \$	12,686	6.11%	1,162	4,364
258 Data Security	Tech. Modernization	4710	0000	1,575,000 \$		1,575,000		25	\$1,425,000	\$1,200,000	\$1,312,500			. ~	13,538 \$	39,960	6.11%	4,658	13,748
	Tech. Modernization	4726	O020 s	750,000 \$		750,000		84	\$660,714	\$553,571	\$607,143			s	6,263 \$	19,029	6.11% \$	2,155	6,546
260 Virtual Desktop - DanS	Tech. Modernization	4727	0000	\$ 550,000		550,000		8 6	\$432,143	\$353,571	\$392,857			۰.	4,052 \$	13,954	6.11%	1,394	4,801
262 US SAP: Dynamic Storage Thering	Tech, Modernization	4560	0000	s 069'696	385,310 \$	1,355,000		2 %	08	\$1,209,821	\$604.911				3,613 \$	25,784	6.11% 5	1243	0.88
	Tech. Modernization	4491	G020 s	3,316,000 \$		3,316,000	10/31/2018	85	\$2,644,905	\$2,171,190	\$2,408,048			s	24,838 \$	84,132	6.11% \$	8,545	28,944
264 US Network Programme 265 US VSTIG Programme	Tech. Modernization Tech. Modernization	4496	808	2,075,000 5		2,075,000		35 35 37 37	\$2,075,000	\$1,778,571	\$1,926,786		17.76%	v v	19,874 5	21.566	6.11%	6,837	7419
	Tech. Modernization	4499	0000	568,211 \$	931,789 \$	1,500,000		84	8	\$1,392,857	\$696,429				4,276 \$	19,029	6.11% \$	1,471	6,546
	Tech. Modernization	4606	G020 S	1,872,506 \$	927,494 \$	2,800,000	9/30/2020	8.5	8 8	\$2,600,000	\$1,300,000		17.76%	s	7,981 \$	35,520	6.11%	2,746	12,220
200 CO SAF: Business waterplace (DW) Consolination to receive Entraprise Colon (right) 269 Monitoring and Alerting	Tech. Modernization	4493	0000	378,807 \$	621,193 \$	1,000,000		\$ 5	8 8	\$1,000,000	\$500,000				3,219 \$		6.11% \$	1,107	
	Tech. Modernization	47.25	O020 s	357,819 \$	142,181 \$	200,000		84	8	\$434,524	\$217,262			s	1,272 \$	11,629	6.11% \$	438	4,001
27.1 Improving End User Experience-Cloud based DMZ Service Platform 27.2 Mobile Broadband POC	Tech. Modernization Tech. Modernization	4723	0000	300,000 5		300,000	3/31/2019	2 %	\$257,143	\$214,286	\$235,714	7.9910%	17.76%	s s	2,431 \$	7,611	6.11%	836	2,619
	Tech. Modernization	47.17	0000	715,638 \$	284,362 \$	1,000,000		. 25	8	\$869,048	\$434,524				2,543 \$	23,257	6.11% \$	875	8,001
274 FY19 Network Projects	Tech. Modernization	4718	0000 8	715,638 \$	284,362 \$	1,000,000	5/1/2020	25.2	8 8	\$869,048	\$434,524	7.9910%	17.76%	s 0	2,543 \$	23,257	6.11% \$	875	8,001
	Tech. Modernization	4707	0000	3,973,236 \$	8 - 8	3,973,236		\$ 50	\$3,973,236	\$3,405,631	\$3,689,433				38,056 \$	100,807	6.11% \$	13,092	34,681
	Tech. Modernization	4708	0000	3,368,613 \$		3,368,613		84	\$3,368,613	\$2,887,383	\$3,127,998			s	32,265 \$	85,467	6.11% \$	11,100	29,403
278 Business Innovation Projects 3 279 EUC, network, and data center strategy	Tech. Modernization Tech. Modernization	47.28	8080	3,368,613 5		3,368,613		× ×	\$3,368,613	\$2,887,383	\$3,127,998		17.76%	v v	32,265 \$	39,145	6.11%	5.084	29,403
	Tech. Modernization	4710	O020 s	1,575,000 \$		1,575,000		84	\$1,575,000	\$1,350,000	\$1,462,500			s	15,085 \$	39,960	6.11% \$	5,190	13,748
281 FY 19 Data Centre Projects 282 1327 Interfaces - 523 FTS, 340 RDX, 245 MOSL 253 JCAPS, 44 PM4D, 7 VB	Tech. Modernization Tech. Modernization	4716	0030	3,300,000 s		3,300,000	4/1/2020	× ×	\$2,000,000	\$1,714,286	\$1,857,143	7.9910%		n n	26,745 5	83,726	6.11% 5	6,390	28.804
	Tech. Modernization	4497	G020 S	1,650,000 \$		1,650,000		84	\$1,650,000	\$1,414,286	\$1,532,143			s	15,804 \$	41,863	6.11% \$	5,437	14,402
284 US SAP: Enhancement Pack 9 Upgrade 285 US Manucol Personnes	Tech. Modernization Tech. Modernization	4564	0000	4,942,257 8	3,878,743 \$	8,821,000		25 25	8 8	\$8,821,000	\$4,410,500		17.76%	s v	28,393 \$		6.11% \$	9,768	
	Tech Modernization	4498	0000	265,165	434,835 \$	700,000		***	8	\$700,000	\$350,000				2,253 \$		6.11% \$	277.5	
	Tech. Modernization	4499	G020 S	568,211 \$	931,789 \$	1,500,000		84	8	\$1,500,000	\$750,000			s	4,828 \$		6.11% \$	1,661	
289 Service Now - Rekase 3	Tech. Modernization	4261	0000	378,807 3	2,164,567 \$	3,400,000	3/31/2021	* *	8 8	\$3,400,000	\$1,700,000	7.9910%		o •o	3,219 3		6.11%	3,765	
290 IS Tools	Tech. Modernization	4513	G020 s	325,293 \$	74,707 \$	400,000		84	8	\$400,000	\$200,000			s	1,288 \$		6.11% \$	443	
201 FY20 Edge Projects 202 EV20 Mannach Backets	Tech. Modernization	4720	0000	1,422,634 \$	577,366 \$	2,000,000	3/31/2021	28.2	88	\$2,000,000	\$1,000,000		17.76%	s o	6,438 \$		6.11% \$	2,215	
293 EMMLicenses	Tech. Modernization	4713	0000	944,642 S	375,358 \$	1,320,000		\$ 35	8 8	\$1,320,000	\$660,000	7.9910%			4,249 \$		6.11% 5	1,462	
	Tech. Modernization	4708	0000 \$	2,305,091 \$	1,668,145 \$	3,973,236		84	8	\$3,973,236	\$1,986,618			s	12,789 \$		6.11% \$	4,400	
295 Business Innovation Projects 3	Tech. Modernization	4728	0000 8	2,307,364 \$	1,671,872 \$	3,979,236	3/31/2021	28.5	88	\$3,979,236	\$1,989,618		17.76%	s o	12,808 \$		6.11%	4,406	
	Tech. Modernization	47.22	0000	2.296.454 S	5203.546 \$	7.500,000		. 2	8 8	\$7,500,000	\$3,750,000				24,141 \$		6.11% 5	8.305	
	Tech. Modernization	47.09	G020 s	1,500,000 \$	2,000,000 \$	3,500,000		84	8	\$3,500,000	\$1,750,000			s	11,266 \$	٠	6.11% \$	3,876	
299 FY20 Data Centre Projects 300 Enterprise Data Management Platform	Tech. Modernization Tech. Modernization	4582	888	300,000 s 800,000 s	2,554,794 8	3,354,794	6/1/2021	25 25	8 8	54,000,000	\$2,000,000	7.9910%	17.76%	n v	12,875 5		6.11% 5	4,429	
301 Business Innovation Projects 2	Tech. Modernization	4708	G020 s	800'000 8	2,945,722 \$	3,745,722		84	8	8	8	7.9910%		s	92	,	6.11% \$	,	
302 Business Imovation Projects 3	Tech. Modernization	4728	0000	8 000'008	2,945,722 \$	3,745,722	3/31/2022	84	80	800 800 800 800	80	7.9910%	17.76%	s .	2 205 200 6	200 000 01	6.11% \$	- 000 000	1000000
Total IS			c	596,620,295 \$	143,012,930 3	131,832,30%			35 ACA, 126,650	5 450,004,01.0 J	440,992,004			•	6, 861,086,6	12,007,000	ę.	032,395	2,231,270

For the Pare Year ended March 31, 2019	somewhere were transmission that																
								4/1/2018	3.31/2019		8001008	\$210E		ν,	\$210T		
Line Investment Name	Description		-	Bill Pool FY19T	out Spend In Se	Amott Service Date Per	Amontization Period 4/1/201	4/1/2018 Balance 3/31	/2019 Balance Av	rage Balance	ervice Co Return	NIMO E Allocation	NIMO E Rent-Rotum NIMO E Rent	- Dopa	NIMO T Mocarion NID	NIMO TRent-Return NII	NIMO T Rent - Depn
	INVP 3564 Customor Choice ESCO Gas Management	3564 9000	90000134705 NO	C225 S			25	\$11,322,104	89,263,540	\$10,292,822	8.0710%	90000			s 9,000		,
2 INVP 4172 - Cross Company Customer 2 INVP 4172 - Cross Company Customer	INVP 4172 - Cross Company Castomer System Enhancements INVP 4172 - Cross Company Castomer System Enhancements								\$8,763,405	99,755,488	8001008	23.28%	138,498 S		0000 s	· ·	
4 INVP 4314 - US Control EBB Gas	INVP 4244 - US Control EBB Gas Traching Day Changes								S375.027	\$419,148	8.0710%	9000			0000 S		
5 INVP 3914 - Bill Print Facility	INVP3194 - Bill Print Facility Relocation Support								\$192,912	\$215,608	8.0710%	23.28%	s 3,065 s	10,567	s 9000		
6 INVP3629 Cuscade System for Gas	INVPSG29 Caccade System for Gas								\$1,428,733	SI 596.819	80108	90008	37.000		s 9000		
8 USFP R3 Finance	USFP Release 3 Finance								8	80	800.008	17.76%	s 8#		6.11% S	154 8	
9 USFPR3 Supply Chain	USFP Rokase 3 Supply Chair activity						00	8	8	8	8.0710%	17.76%	s 2,231 s		8 %11.9	768 \$	
10 USFPR3 Payroll	USFP R3Payon liput of USSC-12-333						8 3	8	8 8	8 6	8.0710%	17.76%	8 18 8		6.11% \$	302 S	
12 INVPS89 NY Renii Acess	INVESSOY Real Access Mandre						t at	S1.092.294	SI 359 384	\$1.525.839	80108	43.49%	5 CM7 9		00008 8	s cimi	2,012
13 INVP2883 CR IS Migration	INVP 2588 CRIS Migration to CSS System			C225 S				8	8	8	8.0710%	9,000			s %000		
14 INVP 2927 US Desktop Refresh	INVP 2927 US Deskrop Refresh			G012 S	6.823,937 5			\$4,955,478	\$3,980,630	\$1,468,054	8.001098	17.76%	s 48.228 s		6.11% \$	16,695 \$	59,563
IS USFPRS Finance	USFP Rokase 3 Finance			G012 S				8 8	8 1	8 2	8.0710%	17.76%	S 21,534 S		6.11% S	7,408 S	
IN VP-4LL4 SOR Off Program  17 INVP 3883 Mobile Davics for PTO Me	INVP 9883 Metalla Davice for PTO Metar Operations, CASC and 14/R			G175 S				S918,188 SI 245,580	S996.464	SI 121.002	8001098	2187%	o 1641		8000		
IN 3136 NE GAS LEAKS RECHECKS	Cup talized Software-INVP3136/NE Gas Leaks Rechecks			G310 S				5931,524	\$742,062	\$836,793	8.0710%	8000			s %000		
19 INVP 4133 - LI Subilization	INVP4133 - LI Subilization			\$ 500.55				\$475,576	\$378,849	\$427,213	8.0710%	90000	s .		S 9,000		
20 INVP3492 CI Services Foundation	INVPS492 Comprehensive languation Services Foundation Constitute Codessor National Section 100 Web Languages			G012 S				SI,774,850	SI,407,640	81,591,345	80108	17.76%	16.961 S		6.11% S	5.832 S	22,437
21 INVESTOR US WED INSURED 22 22 INSEPT B3 Propositi	LISTOR BY The world in the CV-17, 333.  LISTOR BY THE WORLD WAS THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WORLD BY THE WO			0013 8				S1 678	60°F(7°N	00°11°5'N	80108	1776%	2 2000		6 11%		. =
23 INVP 3375D Chalbenge Limits Letters	INVPSSTSD. Cashberg the Limits Lowers			GII3 S				\$282,998	\$224,447	\$253,722	8001008	79,46%	s 12,092 S		0000 S		
24 INVP2495H US CNI Frame Relay Replac	INVP2499H US CNI Frame Relay Replac			G210 S				\$4,510,656	\$8,577,417	\$1,044,036	8.0710%	90000			s 9,000		
25 INVP 4074 - MA Gas 4 Hour Appt	INVP-4074 - MA Gas 4 Hoar Appointment			C310 S				\$197,848	8156,196	\$177,022	8.0710%	9,000	8		s %0000	8 .	
26 INVP 3237 Street Light Outsge Impro	INVO 2225 Steel Light Orago Imp			G198 S				S220,228	5173,864	\$197,046	80108	4193%	5 5,662 5		0000 S	S . 222	20034
28 INVP 1772 - AMAG Ibgrades	ACCOS CONTROL & Attan Medicine System Accos Control & Attan Medicine System			G0200 S				8,888,60	\$4013.087	\$450.879	80108	17.76%	48.47 \$		6 11% 5	s 1677	\$3,408
29 INVP 3538 - VSTIG Bandwidth Increas	INVP 3538 - VSTIG Bandwidth Increase			G020 S				SI,394,116	SI,144,423	\$1,269,369	8.0710%	17.76%	S 13,730 S		6.11% S	4724 S	15,256
30 INVP 4266 - End User Device Refresh	INVP 4266 - End User Device Refresh Win7 Ph3 Assessment (Full)			G020 S				\$235,185	\$193,062	\$214,123	8.0710%	17.76%	s 2,316 S		8 %11.9	S 797 S	2,574
31 EHRI - Paysoll	EHRI - Payol			G012 S				\$4,160,362	\$3,268,856	\$3,714,609	8.0710%	17.76%	s 39,004 s		8 %11.9	13625 \$	54,471
22 EHRI - Finance	EHR - Fennisoe			G012 S				86,683,014	\$5,250,989	28,966,977	8001008	17,76%	63,619 \$		8 9119	21,887 S	87,500
34 EHRI - Jupply Chain 34 EHRI - ITTheliere	EHRI - Sipply Craim EHRI - The Shows			0012 8				S12,438,803	8,712,755	SII,105,449	80108	17.76%	1083		0.11%	40,35 \$	15,606
35 EHRI - PMO	EHRI - PAO			G012 S				\$5,564,115	\$1,371,804	\$4,967,969	8.001008	17.76%	5 52.967 S		6.11% \$	18222 \$	72,850
36 EHRI-BPS	EHRI - BPS			G012 S				89,971,179	\$7,834,498	58,902,838	8001008	17.76%	S 94,920 S		8 %11.9	32,656 S	130,551
37 DMS/OMS Replacement	NONE			G198 S				\$43,789,259	\$34,405,846	\$39,097,552	8.0710%	41.93%	S 984,151 S		0000 S		
38 INVP 3375B Challenge the Limits XML	INVPSS7SB- Challenge the Limits XAIL.			S 6/10				\$410,851	\$322.811	\$366,831	8001008	3518%	S 7,347 S		s %000	8	. !
39 UNPREFINENCE	UNIVERSE ASSESSED STREETS CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONTRICTED TO THE CONT			G012 S				89,393,410	38,140,956	38,767,183	80108	17.76%	93,84 8		6.11% 5	32048 S	76,525
41 INVP2940-GRC Entermine Risk & Comp	Care factors Software Character Limportational road			G012 S				22.198.865	\$1.001.435	81.945.150	80108	1776%	20.20		6.11% \$	7.149 S	31,004
42 INVP2892B Socurity Across Panels	INVP2892B Security Access Panels NERC CIP Complian or			G432 S				\$424,931	\$326,870	\$375,901	8.0710%	9,000			35.13% \$	7,943 S	34,449
43 IN 1043 NE EMS Replacement	Replacement for WO 9000007347 to properly book the WO under the concet Intample b CWIP and asset G/L accounts.			U273 S				\$17,795,055	\$13,607,983	\$15,701,519	8.0710%	90000	s .		s 9,000		
44 INVP 2970 Security Info & Event Mgm	Cup it allocd Software - IVVP 25070 Security Info & Event Mgm			G020 S				SI,001,486	\$751,115	8876,300	8001008	17.76%	S 787 S		6.11% \$	3228 S	15,298
45 INS124B OLOBAL HKSTRA IEGY 46 INVP36IS Success Paterrerie Responti	IN SIZ4B GLGBAL HKS IRATEOY Can fair of Software INVP 2615 Success Fatematics Merret			G186 S	623254 3			N,001,26/ S248,776	\$750,080	S204.307	8001098	30.74%	5 262 5		0.11% 5	2017 S	15,254
47 USFP-Testing-R1	NONE			G012 S				8	8	8	8.0710%	17.76%			8 9119		
48 INVP 2951 - Legal Hold Automation	INVP 2951 - Legal Hold Automation				647,273 3			\$362,165	\$269,697	\$315,981	8.0710%	17.76%	s 3,285 s		8 %11.9	1,165 \$	9,650
49 INVP 1549B Meter Reading System Con	Capitalized Software-INVP 1549B Meter Reading							\$657,162	\$489,376	\$573,369	8001008	21.83%	5 7,550 S		s 9000		
St. INVP 3338 Bulbber Goods Thering	IA Y 12 CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL I CONTROL							20178	951 3913	\$101.400	80710%	3074%			0 0000	\$ 1361	6773
52 INVP 0823 DATA LOSS PREVENTION	Capitalized Sodware-DVP 0823 Data Loss Prevention				782169 3			\$437,642	\$325,904	\$381,773	8.001008	17.76%	8 4,01 8		6.11% \$	1,407 \$	6,827
53 INVPORZ3c Lapsop & Port Device Info	INVPORZA Lapsop & Port Device Info							\$1,422,916	81065018	\$1,241,367	8.0710%	17.76%	S 13,301 S		8 9119	4.576 \$	22,197
54 INVPSZSD Guardiam 55 INVPSQC GridBerra Sus Bhase 2	INVPRACT Children S Phone 2				. 374297F			SI 820 803	Pi sate in	8 88 89 5	80108	17.76%			6.11% S		
56 INVP 3000 - US Web Initiatives	INVP 3GD - 15 Web lant surves secuelate on Content Management & eCommerce for Customer facing website							ST72.305	\$575,173	\$673,774	8.0710%	23.28%	S 50463 S		s 9000		
57 INVP 3089 US eDiscovery	Captalized Software-INVP 3099 EDiscovery							\$219,807	\$163,753	\$191,825	8.0710%	17.76%	s 2,065 s		8 %11.9	S 707	3,430
58 INVP3284B PowerPlan Phase 2	Cap i allocol Sock wares							\$136,733	\$101,823	8119,278	8001008	17.76%	S 1,278 S		8 9119	440 S	2,133
59 IN VP 2982b Identity & Access Mg Pr 60 ITSDB B1 Properti	IN VEX VEX DETERMINE A CONCESS MANY ITEMS TO TRANSPORT OF THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE SECOND TO THE							S(001,401	N,490,405 SO	SIL745,503	80108	17.76%	18,08 5		6.11% S	0436 S	31,222
6 USFPR3 Paroll	USFP R 2P-mod Load of USSC-12-333							S.118.001	\$1369.025	St.743.513	80710%	17.76%	2 7675 S 76875		6.11% S	23392 S	45.762
62 USFP Release 3 - IT Delivery	Capitalized Software-USFP Release 3 - IT Delivery							86,463,689	\$5,506,105	\$5,984,897	8.00100%	17.76%	s 63,740 s		8 %11.9	21,929 \$	58,508
63 USFP R3 Supply Chain	USPP Robert 3 Supply Chain activity							86,624,568	\$5,643,150	\$6,133,859	8001008	17.76%	s 65,227 S		8 %11.9	22.474 S	596'66
64 INVP 2577 GIS Consol Ph 2 65 INVP 1983- CVI Name of Security Pro	INVP.2577 GIS Consol Ph. 2 Constituted Software							SI_544,089 Sep.481	SI,132,295 \$43,006	58,338,167	80108	17768	. 3		8 9000	. 201	. 1000
66 Meter Test Equipment	Motor Tress Extraorment Capitalized Software							893,154	806.538	879,846	80710%	9000			s 9000		
67 New England Telecom Network Alarm	New England Telecom Network Alarm Capitalized Software							\$44,475	831,768	\$38,122	8001008	9000	s .		S 9000		
68 INVP 1643B - NY Commodity Rates	INVP 1643B - NY Commodity Rates Capitalized Software		90000110456 YI	rES G113 \$		31/2014	2 2	89,008	86,306	57,807	8001008	79,46%	376.5		8 9000		
20 IN 2366 LICHI Direct Hw Liner	IN 1042—Kakito Statistardization t. ons. Capitalized So swate IN 2366 LLCNI Direct Hw. User Software					71/2014	ž 3	S31.872	S22 111	\$27,092	8001008	90000	0 00		00008 S	s (07	PI .
71 INVP 2162 - PRIMAVER A EXPANSION	INVP 21s2 - PRIMAVERA EXPANSION - Capitalized Software					11/2014	78	\$106,388	573,584	986'688	8001008	9000			8.15% S	445 S	2,665
72 INVP14R5 Computapole Migration W7	INVPI48S Computatorie Migration to Windows 7 - Capitalized Software			rES G186 S		11/2014	3 3	\$405,834	\$280,962	\$343,398	8001006	3074%	6,412 \$		10.99% S	2292 \$	13,723
73 IO42 - Radio Standardization Cons 74 INVP2907B EVM Phase 2	IN 1042—kadro Natadardization Coms - Capmatzed Software INVPS907B Farmed Value Mananement Please 2 - Cambridized Software		9000134297 Y		138248 7	71/2014	2 2	S64.187	24.457	\$54.32	80108	10,74%	s 12,912 S	6071	6.11% 5 10.09% S	363 S	2,170
A INVESTIGATION PRINCE.	IN VERY CAS TO A METROP TEST, Conjudence of Conference  IN VERY CAS TO A METROP TEST.		N SALAN	ES CITO O		77,7014	t 2	5876.874	, carbon 1881	S000 663	8001000	2000			0.00%		21.4

									4/1/2018	3/31/2019		8.0710%				\$210T			
Descr	Pescription	INVP #	Work Order	-	Ball Pool FY	19 Total Soend	n Service Date	Amostication	4/1/2018 Balance	3/31/2019 Balance		Service Co Return	Alboution	n NIMO E Rent-Rotum	NIMO ERont - Donn	Allocation	r a NIMO TRea	-Renum NIMO	C Rent - Deon
INVI	INVP 2997 Eamed Value Mignt Rote - Capitalized Software	2997	90000120197			803,575	7/1/2014	z	\$280,231	8194,006		8.0710%		s			8	1,583 \$	9,476
IAVI	INVP3374 SmallWorld GIS FY13 R 1-2 - Capitalized Software	3374	900012012			309,785	7/1/2014	28	\$143,829	599,574		8001008		S			s		
N	IN NAME & NY EMS NERC-CIP Authon tication - MW Capitalized Software	NA	90000097856			64,286	3/1/2014	35	\$26,786	\$17,602		8,0010%		s			8	652 S	4,419
Capi	Cup initized Software	6	8000010408			258131	3/1/2014	36 7	\$107,555	570,679		8001008		s o			s o	543 S	3,680
INVE	MAY I LASE - WCOMAI A Application Southern Money Comment	11870	9000010410			410384	217014	8 3	200'16	51,020		somme somme							
INNI	INVP NA NE EMSTYS Capitalized Software	N.A	86000006			255055	3/1/2014	3	\$106,273	\$60,837		8.0710%					. 0		
Capit	Capitalized Software-1N1 IS2BGAS TRANS SYS PHASE 2	11828	90000124378			1,675,640	3/1/2014	z	\$698,184	\$458,806		8.00100%		s			s		٠
GAS	GAS Transformation	NA	80000006386			114360	3/1/2014	35	\$47,650	\$31,313		8,0010%		s			s	147 S	866
INNI	INVP 2981 US Security Awareness Cap Software	2081	9000011753			250,393	3/1/2014	z :	\$104,30	868,360		8,0010%		00 4			so 4	313	2,186
Capit	LINVE 5595 Elatative ment of Reservice Woods Capitalizad Software Cantalized Software	2002 N.A	9000102654	A LES	0 S S	26246	21/2014	z z	\$40,986 \$10,694	SS-507-888	\$55,712	80108			S [40]		n v	8 F	9 5g
Capit	Cap kalized Software	3294	90000117978			969,208	2/1/2014	ž	\$392,299	\$253,840		8.0710%		s			s	1,206 \$	8,460
INVI	INVP 1242 EDO Transformation Capitalized Software	STD01	90000104100			873,898	2/1/2014	26	\$353,721	\$228,878		8.001098		s			s	· ·	
Capit	Cap talized Software	NEW02	\$11010006			7,803	2/1/2014	78	83,158	\$2,014		8001008		S			S	8	
NA.	INVP 3103 IRISE Capitalized Software	3103	90000106874		G012 S	3,036,545	2/1/2014	z :	S1,229,008	87.95,286		8001008		· ·			o 0	3,779 S	26,505
Capt	Capt alized Software Capt alized Software Ambine Tool Innoveneering on	V.V	900010413	MES .	S 8615	20,200	12/1/2014	3 3	20.88 50.10 mg	08,88 04,04,03		80108		, v			<i>y y</i>	. S	8634
Capit	Canadian Software	3630	900001072%	MES .	GO12 S	1.023.605	11/1/2013	3	8377,759	\$231.530		8001008		· v			N O	L143 S	8,935
Capit	Cap tailzed Software	3232A	90000116954	YES		953.115	11/1/2013	25	\$351,745	\$215,585		8.001098		s			8	8	
Capit	Cupitalized Software	1643C	0000116900	YES		606,020	11/1/2013	78	\$223,660	\$137,006		8.0710%		s			s		
Capit	Capitalized Software	3307	90000119141	YES		668,684	11/1/2013	z :	\$246,776	\$151,250		8001006		00			s 0	747 S	5,837
Capt	Capitalized Software Capitalized Software	1356.4	900010776	NES A	GOIZ S	1,000,783	11/1/2013	3 3	5405,872	S248,760		80108	26160	y o			v v	S SZZZZ	009%
Capit	Capitalized Software	2732	1000010463	MES .	G012 S	588,353	11/1/2013	ž 3	S217,130	\$133.080		8001008						667 S	5.135
Capit	Cap talized Software	NEW03	5000009	YES		208,231	11/1/2013	ž	\$76,847	847,100		8001008		s			s		
Capi	Cup italized Software	1389	90000104250	, YES		267,594	11/1/2013	3	898,755	560,527		8.0710%		s			s	299 S	2,336
Capit	Cup tailized Software	2832	90000112827	YES	G186 S	324,412	11/1/2013	Z i	\$119,723	\$73,379		8001096		s			s	662 \$	5,093
Capt	Capt failzed Nothware	2172	X19010000	NES A		710520	11/1/2013	3 3	S262,216	S100,713		80108		y w			v v		
Capit	Captained Software	3076	90000109480	MES .		270279	11/1/2013	ž 3	SS9.746	\$61.135		8001098						302 S	2.359
Capit	Cap talized Software	3210	90000116434	ON		1,327,228	11/1/2013	ž	\$489,810	8300,206		8.0710%		s			s		
Capit	Cap talized Software	2135	9000113005	, YES	G012 S	621,113	11/1/2013	Z	8229,220	\$140,490		8.0710%	17.76%	s			s	8 489	5,421
INNI	INVP2522 VTL Replacement Cup Software	2522	290000104630	, KES		648194	11/1/2013	z :	\$239,214	\$146,615		8001006					so 0		
Softs	Software INVP 290B CRMSaksfore SaiS	23908	266110006	MES VES		1,117,121	10/1/2013	z 3	8398,972	\$259,383		80108		и .			. o		
NONE	TE COLUMNIE	USFP	8990100006	E E		0.545646)	4/1/2013	8 8	S	S		8001008					0 00	5144 S	1007
EX NONE	H	USFP	900009784	YES		(284,633)	4/1/2013	00	8	8		8001008		s	s	61136	S	575 S	٠
NONE	33	USFP	90000104659	, YES		(2,195,181)	4/1/2013	130	8	8		8.0710%		s			s	4,436 \$	
NONE	H	USFP	90000104659	, MES	G012 S	2,195,181	11/1/2012	8 8	\$1,006,025	5786,407		8001008		S			s	3322 S	13,413
TEA NONE	₽ ₽	INE	900009999	SE A		284,033	11/1/2012	9 8	\$130,45)	5101,994		8001008					n u	1863 6	15,139
Capit	Capitalized Software-USFP-PMO - R1	USFP	900010753	YES		13,294,040	11/1/2012	8	\$6,093,101	\$4,763,697		8.0710%		. «			. 00	20,120 \$	81,227
Capi	Capitalized Software-USFP-Process & Design -R I	USFP	90000107540	YES		7,564,718	11/1/2012	130	\$3,467,163	\$2,710,691		8.00100%		s			s	11,449 S	46,220
USF	USFP - Hardware & Software-DD. Capitalized Software	USFP	90000104657	YES	G012 S	2,770,640	11/1/2012	8	\$1,269,876	\$992,813		8001096	17,76%	s			s	4.193 \$	16,929
USF	USATE - SOMEON ARCHING UNDELLING LIQUIAITED SORWARD	USP	90000104645	MES .		4.761.712	11/1/2012	3 8	S2.182.451	SI.706.280		8001008		n un			n un	4,402 S 7,207 S	29,094
Capit	Cap talized Software USFP. Business Engagement -R1	USFP	90000107548	YES		154,570	11/1/2012	00	\$70,845	882,888		8001008		S			S	234 S	944
HR S	HR STREAM - DESIGN CAPEX - Capitalized Software	USFP	9000097841	YES		826,202	11/1/2012	130	8378,676	\$296,056		8.0710%		s			s	1,250 \$	5,048
Capit	Capitalized Software-USIPP Tech Delivery DD	USFP	90000104651	YES	G012 S	1,708,792	11/1/2012	8 8	8783,196	\$612,317		8001008		S			S	2586 S	10,441
Confi	Contration Schools - Copyright Services	ISB	9000101000	A MES		1 305450	11/1/2012	9 8	8408 117	S467 787		80108					0 00	517 S	7.876
Capit	Capitalized Software-USFP Test Ope	USFP	9000011739	YES		4,359,638	11/1/2012	130	\$1,998,167	\$1,562,304		8.001008		s			s	8 8659	26,637
Capit	Capitalized Software-USFP-Cutover-R1	USP	90000107547	, YES	G012 S	2,728,737	11/1/2012	8 1	\$1,250,671	197,7708		8.0710%	17.76%	S			S	4130 S	16,673
Tigh.	Capitalizoù Nollivare-USFI-Skeporting & Into - Kil	LISTE	PECOLOGO SAL	AES A		6,197,728	11/1/2012	9 5	S20,048,08	S,220,852		801008		, ,			, ,	9,580.5	37,808
Capit	Capitalized Software-USFP-Hardware & Software-R1	USFP	9000107551	YES		\$ 23,426,143 11/1/2	11/1/2012	9 8	\$10,736,982	58,394,368	89,565,675	8.0710%	17.76%	S 103,065 S	\$ 416,048		0 0	35,454 S	M3,134
USFI	USPP Test Finance Capitalized Software	USFP	9000011736	YES		3,910,865	11/1/2012	130	\$1,792,480	\$1,401,393		8.0710%		s			s	\$ 6165	23,895
USE	USFP - Process & Design-DD - Capitalized Software	USFP	90000104646	y MES		17,463,817	11/1/2012	8 8	88,004,319	86,257,868		8001008	17,76%	s o			s s	26430 S	106,704
Capit	Cartained Software, US FOUNDATION PROM ARCHIDECOM	USFP	90000121728	AES .	G012 S	1.242.446	11/1/2012	9 8	\$569,454	\$445.210		8001008		o vo			N O	. See S	7.591
Capit	Capitalized Software-USFP-Solution Architecture-R 1	USFP	90000107550	YES		2,536,861	11/1/2012	130	\$1,162,728	5909,042		8.001098		8			8	3.839 \$	15,500
USF	USFP - Data Strategy-DD - Capitalized Software	USFP	90000104648	, YES		2,531,924	11/1/2012	02 :	\$1,160,465	8907,273		8001008	17,76%	S 11,138			s	3,832 S	15,470
PRO	PROCESS CONTROL - DESIGN CAPEX - Capabilized Software	USH	900009784	MES VES	G012 S	138,806	11/1/2012	8 8	202,620	\$49,739		80108		8 81			. o	210 S	3130
PROC	PROCESS & DATA - DESIGN CAPEX - Capitalized Software	USFP	900009784	YES		271,405	11/1/2012	8	\$124,394	897,254		8.001006		s 1,184				411 8	1,658
Capi	Capitalized Software-USFP. Build & Unit Test -R1	USFP	90000107541	YES	G012 S	26,765,794	11/1/2012	130	\$12,267,656	89,591,076		8001008	17,76%	S 117,746			s	40,508 S	163,539
Capit	Cup tailized Software-USFP-Business Readiness -R1	USFP	90000107548	, YES	G012 S	2,020,438	11/1/2012	8	8926,034	\$723,990		8001096		8 8888			s	3,058 S	12,345
Capi	Capitalized Software USFP-Data Stategy - R1	USFP	90000107548	AES VES	G012 S	7,738,324	11/1/2012	8 8	\$3,546,732	St. 772,899		8001008		S 34,042			s o	11,711 S	47,281
Capit	Capitalized Software-USFP-Testing -R1	USP	90000107542	, MES	G012 S	61,366,885	11/1/2012	9 8	\$28,126,489	\$21,969,800		8.0710%	17,76%	s 269,961			. 0	92.875 S	374,952
Capit	Capitalized Software-USFP-Tech Delinery - R1	USFP	90000107548	YES	G012 S	4,595,067	11/1/2012	130	\$2,106,072	81,646,866		8.001096	_	\$ 20,214			s	8 1569	28,076
USF	USFP - Reporting & Info-DD - Capitalized Software	USFP	90000104690	, MES	G012 S	2,503,961	11/1/2012	8 !	SI,147,649	5897,253		8001008	17.76%	S 11,015		0 6.11%	S	3790 S	15,299
108	SOLUTION DEL - DESIGN CAPERA - Capitalizad Software SOLUTION A PCH - DESIGN CAPERA - Capitalizad Software	LISTE	SOCIONA SE	MES A	2007	306,402	11/1/2012	9 5	\$415,454 801.684	5524,54		800109	17,760	3,987		8 0.11%	, ,	301 8	5,538
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		FINANCE STREAM - DESIGN CAPEX - Capitalized Software	USFP		S 1,441,354			\$660,621				17.76% \$	6,341 S		6.11% \$	2181 \$	8,8
	Control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control control cont	USPP - Controls & Rober-DD - Capitalized Software	MSD.		2,004,151			N.24,819				17.76% S	11,852 S		0.11% S	4007 8	10,46
		Ostrir - Danial & Cimir 1884-1947 - Capitalized Sonware Consistent Software 11SPD Control to Boles D	HSD HSD		2,7777413			S1,273,331 S2,567,874				177600 5	S CHE,21		6 119. 6	8 617%	47.45
	Comparison	USFP Test Procure Capitalized Software	USFP		\$ 311,956			\$142,980				17.76% \$	1,372 \$		6.11% \$	472 S	87
	Comparison	SFP Test HR Capitalized Software	USFP		S 9899			\$4,537				17.76% S	4 s		6.11% \$	15 \$	
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	Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   C	D TEAM - DESIGN CAPEX - Capitalized Software	USFP		\$ 5,995,338			82,747,863				17.76% S	26,374 \$		6.11% \$	9,074 S	36,65
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	Colora	Software-IN 2330 ETRM Repl Nucleus-Gas Benef Capitalized Software	2330		\$ 579,164			\$124,107				41.93% \$	2,233 \$		0.000 S	s .	
		230 FTR M Repl Nackus-Gas Benef	2330		S 6,0005,256			SI,286,840				0000% S			0000% S		•
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	Column	4 2652 MA GAS RATE CASE CRIS (Work order #8K008002905)	2662		s 427,462			865,168				0000% S			0000% S		•
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	1	1 Reporting Tool	KN NA		S 1,184,110			\$225,545				17.76% \$	1,640 \$		6.11% \$	364 S	10,3
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A NA INVENENCE SA SAGAT 111999 8597 89 89 80 84 58706 0006 \$ · · \$ · · 0.005 \$ · · \$ · · \$ · · 0.005 \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$ · · \$	A INTRIGUO NO 215 2 23822 71199 857 9 9 9 5010 00% \$ · \$ · \$ · \$ · \$ · \$ · \$ · \$ · \$ · \$	BUSTIKANS - WIKES & FIFES - CAPITAL	104					8 8	8 8		~ .	0 0000			o some		
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		INVP3614A2 IAM Ph3 Web Administration	3853		S 1,541,390			\$1,247,784				17.76% S	12,300 S	39,107	6.11% S	4231 S	13,45
300 900 18 18 18 18 19 10 17/17/10 19 19 19 19 19 19 19 19 19 19 19 19 19	MODICION ITS U.S. 1 1/21/2010 84 81 81 81 80 MOVS 8 · · 8	S PPOING SMCO CARS regulatory Companies	manus.			12/1/200		\$				a com			n n		

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Line Investment Name	Description	INVP # Work	Order NMPC	C Pool	FY19 Total Spend	In Service Date	Period	4/1/2018 Balance	3/31/2019 Balance	Average Balance	Return	Allocation	NIMO E Rent-Return N	NIMO ERent - Depn	Allocation	NIMO T Rent-Return	NIMOT Rest - Depn	g
231 INVP 36I4G1 - US Reference Socurity	INVP 36 HG1 - US Reference Security Auchinocoure (Full) (Cyber Secunity)	3614 90000	0000170698 YES	S G020 S	93,939	12/1/2016	3	876,046	\$62,626	869,336	8.0710%	17.76%	s 750 S	2,383	6.11%	258	8	000
222 INVP 3896 SMI Conversion Mobilizari	INVP 3896 SMI Conversion Mobilization (Athena)	3896 90000	2000153520 YES	S G020 S	3,095,820	12/1/2016	ž	\$2,506,140	\$2,063,880	\$2,285,010	8.001008	17.76%	S 24,703 S	78545	911.9	8499	S 27,022	223
233 INVP-424-HANA	INVP 4234 - High Performance Analytics Appliance (HANA)	USFP 90000	176043 YES	S G012 S	637,905	12/1/2016	130	8552,851	\$489,061	\$520,956	8.0710%	17.76%	S 5,612 S	11,329	6.11%	1561	3,8	868
234 INVP 3922 - Access Violation Mgmt	INVP 3922 - Access Violation Management	USFP 90000	176039 YES	S G012 S	2,749,134	12/1/2016	130	\$2,382,583	\$2,107,669	\$2,245,126	8.001008	17.76%	S 24,187 S	48,825	911.9	8321	S 16,7	6,797
235 Finance Remodiation FY16 Capital	Filmance Remodistrion FY16 Capital	USFP 90000	00001720St YES	S G012 S	1,858,401	12/1/2016	130	\$1,610,615	\$1,424,774	\$1,517,694	8.0710%	17.76%	s 16,350 S	33,005	6.11%	5,025	\$ 11,355	888
236 INVP 36I4CI - US End User Initiated	INVP 36 MC1 - US End User Initiated Scoure File, Ennuil Trans for (Full) (Cyber Scourity)	3614 90000	3000170691 YE	S G020 S	68,180	12/1/2016	ž	\$55,193	\$45,453	\$50,223	8.001008	17.76%	S 544 S	1,730	6.11%	187	s .	595
237 INVP3614A1 IAM Ph21dentity Admin is	INVP3614A1 IAM Ph2.45cnnity Administration (Cyber Socurity)	3614A 9000C	0000141707 YES	S G020 S	2,647,721	12/1/2016	ž	\$2,143,394	\$1,765,148	\$1,954,271	8.0710%	17.76%	s 21,128 S	67,176	6.11%	7,269	S 23,1	Ξ
238 INVP 3915 - Annual HR & Payroll SP	INVP 3915 - Annual HR & Payroll Mandatory Service Pack Upgrade (HRSP)	USFP 90000	0000178452 YES	S G012 S	803,788	12/1/2016	130	9896,616	\$616,238	\$656,427	8.001098	17.76%	s 7,002 s	14,275	6.11%	2433	S 45	4,911
239 INVP 4223 - US SAP BOE Update	INVP-4223 - US S.AP Annual Business Objects Braironment (BOE) Update	USFP 90000	0000176041 YES	S G012 S	723,292	12/1/2016	130	\$626,853	8554,524	8890'088	8.0710%	17.76%	S 6,364 S	12,846	6.11%	2189	8 4,4	611
240 INVP 4218 - Blanket Work Order	INVP 42 IS - Blanker Work Ond or	USFP 90000	0000178859 YES	S G012 S	2,393,826	12/1/2016	130	\$2,074,649	\$1,835,366	\$1,954,968	8.001098	17.76%	s 21,061 S	42,514	6.11%	7,246	S 14,626	978
241 INVP 3882 - NYS Pipeline Sufety CMS	NYS Pip eline Safety CMS Regulatory Compilance	3882 90000	2000161831 YES	S G207 S	1,480,189	12/1/2016	ž	\$1,198,348	5986,792	\$1,092,520	8.0710%	9000	s . s		90000			
242 INVP 4225 - Ancillary SAP Apps	INVP 4225 - An cillary SAP Application Updates	USFP 90000	0000176046 YES	S G012 S	426,099	12/1/2016	130	8369,286	\$326,676	\$347,981	8.001098	17.76%	s 3,749 S	7,568	6.11%	1,290	S 2,6	2,603
243 INVP 4219 - PowerPlan Upgrade	INVP4239 - PowerPlan Upgrade	USFP 90000	2000176040 YES	S G012 S	1,250,841	12/1/2016	130	\$1,084,062	\$958,978	\$1,021,520	8.0710%	17.76%	s 11,005 s	22215	6.11%	3,786	s 7,6	543
244 INVP 4263 - US Web Authentication	INVP 4265 - US Web Authentication Upgarde (Full)	4263 90000	2000170250 YE	YES GOZO S	306947	12/1/2016	ž	\$248,481	\$204,631	\$226,556	8.001098	17.76%	s 2,449 S	7,788	6.11%	843	S 2,6	613
245 INVP 36I4E3 SIEM 2	INVP 36 ME3 SIEM 2 (Cyber Security)	3614 90000	2000141754 YES	S G020 S	2,171,757	12/1/2016	ž	SI,758,089	SI,447,838	SI,602,963	8.001008	17.76%	S 17,330 S	55,101	911.9	5962	S 18,9	8,956
246 USFPR3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP 90000	142385 YES	S G012 S	16,772	12/1/2016	130	\$14,535	\$12,858	\$13,697	8.001008	17.76%	S H8 S	298	6.11%	. 15	s	20
247 INVP 3538 - VSTIG Bandwidth Increas	INVP 3538 - VSTIG Band width Increase	3538 90000	300015886 YE	YES G020 S	(21,448)	12/1/2016	38	8	8	8	8.00100%	17.76%	s 126 s		9113	. 43		

For the Data Year ended March 31, 2020									910017	3/31/2000		8 02108	\$210E			T0155			
								Amortizatio		000000000000000000000000000000000000000		Service Co	NIMOE			NIMOT			
	Description	INVP #	Work Order	NMPC	Bill Pool F	Y20 Total Spend	In Service Date	Period	4/1/2019 Balance	3/31/2020 Balance	Average Balance	Return	Alocation	NIMO E Rent-Return NIMO E	Rent - Depn /	_	NIMO T Rent-Return	NIMO T Rent - Depn	
76 IN VP 2997 Eurned Value Mgmt Rpt g 77 IN VPs 3724 Smail Worth GIS IV 13 B 1.2	N VP 2997 Euroed Value Mgmt Rgtg - Capitalized Software N VP3 774 SmallWorlt GIS FV13 R 1-2 - Comittined Software	7662	90000120197	YES	S 8 5	309.785	7/1/2014	ž ž	S194,000 S90-574	\$107,781	S150,894 ST7,446	8.0210%	30.74% S	2,885 5	26,506	0.00%	1,021	9,47	۰
	IN NA NE & NY EMS NERC-CIP Authentication - AW Capitalized Software	N/A	90000007856	YES	G220 S	64,286	3/1/2014	* *	\$17,602	88.418	\$13,010	8.0210%	8 %000		a compare	48.12% \$	380	4,419	
	Capitalized Software	288	90000104061	YES	G077 S	258,131	3/1/2014	84	S70,078	\$33,803	\$52,241	8.0210%	27.98% S	\$ 116	10,318	9.98% \$	325	3,680	
	IN VP 1242 - WCOR01 Capitalized Software	1242	90000104177	YES	G198 S	3,750	3/1/2014	84	\$1,027	\$491	8759	8.0210%	41.93% \$	30 S	22.5	S %000			
81 Meter Route Corsol 82 INVP N/A: NF PMS/T/S	IN VP 1182B Cast Treasportation System Meter Route Consol IN VP NA NF FMS TSS Camin Find Software	1182B	90000124368	0 S	GTT	255.055	3/1/2014	ž ž	\$112,367	\$53,741	\$83,054	8.0210%	s s s			8000			
	Captalized Software- IN182 BGAS TRANS SYS PHASE 2	1182B	90000124375	NO	N237 S	1,675,640	3/1/2014	· *	\$458,806	\$219,429	\$339,118	8.0210%	8 %000			8 %000			
	GAS Transformation	N/A	90000000386	YES	G012 S	114,360	3/1/2014	84	\$31,313	\$14,976	\$23,144	8.0210%	17.76% \$	256 \$	2,901	6.11% \$	*	8	
85 IN VP 2381 US Security Awareness	IN VP 2363 US Security Awareness Cap Software	2303	90000117533	YES	G012 S	250,393	3/1/2014	* 3	368,560	832,790	\$50,675	8.0210%	0.740.	281 2	6,353	2000	193	2,180	۰.
	LY P. 2555 Estate current of reserving woods Capitalized Software Capitalized Software	N/A	90000104057	YES	GI60 S	26,246	2/1/2014	8 8	\$6,874	\$3,125	\$4,999	8.0210%	27.24% S	. 88	1,021	9.63%	8	8 8	
	Capitalized Software	3294	90000117978	YES	G012 S	969,208	2/1/2014	84	\$253,840	\$115,382	\$184,611	8.0210%	17.76% S	3 2,051 \$	24,590	6.11% \$	706	8,460	
89 STD01-Concept Est Tool	IN VP 1242 EDO Transformation Capitalized Software	STD01	900000104104	YES	G198 S	873,898	2/1/2014	5 o	\$228.878	\$104,035	\$166,457	8.0210%	41.93% S	4,366 5	52,346	8 0000			
50 CM-NEWOLZ-Simp Order Floc 91 IN VP 3103 Business Capture Software	Capataled Son ware IN VP 31G3 IRISE Capitalized Software	3103	90000106874	YES	G012 S	3,036,545	2/1/2014	* *	8795,286	\$361,493	8578,390	8.0210%	17.76% \$	6,426 \$	77,041	6.11% \$	2,211	26,50	8
92 WCLS13 - Auto Gen Work Req	Capitalized Software	N/A	90000104150	YES	G198 S	20,566	2/1/2014	84	85,386	\$2,448	\$3,917	8.0210%	41.93% \$	\$ 103 \$	1,232	8 %000			
93 IN VP 3195 Storms Archive Tool Imple	IN VP 3195 Storms Archive Tool Implementation	3195	90000113828	YES	G160 S	627,573	12/1/2013	84	\$149,422	899,769	\$104,596	8.0210%	27.24% S	3 1,800 \$	24,422	9.63% \$	959	50%	-
94 INVP 2030 Intelligent Mail Barcode 95 INVP 3232A - Tallyman & Proveless R	Capatilized Software Caratilized Software	2630 2727A	90000107276	YES	G012 G178	1,023,005	11/1/2013	÷ 3	\$231,530	92F6US	S158,415 S147 506	8.0210%	35 18%	3.707.5	47.901	0.00%	613	8,95	n
	Capitalized Soft water	16430	9000116900	YES	G179 S	606,020	11/1/2013	8 5	\$137,076	850,502	893,789	8.0210%	35.18% \$		30,457	0000%			
	Capitalized Software	3307	90000119141	YES	G012 S	668,684	11/1/2013	84	\$151,250	855,724	\$103,487	8.0210%	17.76% \$	3 1,168 5	16,965	6.11% \$	402	5,837	-
98 IN VPI 549-Non-Internal Collect Sys C	Capitalized Software	1549	90000107743	YES	G012 S	1,099,783	11/1/2013	8 6	\$248,760	891,649	\$170,205	8.0210%	17.76% \$	5 1,921 \$	27,903	6.11% \$	199	)09%	
	IN VP 1350A US Retail Web Customer & Markets Control Software	1356A	90000100038	YES	S COD	62.00.054	11/1/2013	* 3	\$1521501	\$300,353	51,041,027	8.0021098	17.700.	25,271 5	14 977	8,000	. 2	* 134	
	Capatalized Soft ware	NEW03	90000093776	YES	G198 S	208,231	11/1/2013	* *	\$47,100	\$17,353	\$32,226	8.0210%	41.93% S	s 688 s	12,473	0000%	ţ.	· ·	2
	Capitalized Software	1380	900001042 <i>5</i> 7	YES	G012 S	267,594	11/1/2013	84	\$60,527	\$22,299	\$41,413	8.0210%	17.76% \$	\$ 467 \$	6,789	6.11% \$	191	2,330	9
103 IN VP 2832 - ACIS Allance Contracts	Capitalized Software	2832	90000112827	YES	0186 S	324,412	11/1/2013	× 1	\$73,375	\$27,034	\$50,207	8.0210%	30.74% S	S 180	14,246	10.99% \$	351	2005	3
104 IN 2172-ILDS Reporting & Analysis 105 Global Moh Immbination	Captalized Software Continued Software	Z172 N/A	90000106487	YES	8010	4781380	11/1/2013	* 78 87	\$ 100,712	\$35,210	\$109,901	8.0021096	41.95% 5	2,930 5	42,560	0000%	, 473		
	Captainteed Software	3076	90000109487	YES	G012 S	270,279	11/1/2013	. 25	\$61,135	\$22.523	\$41,829	8.0210%	17.76% \$	472 S	6.857	6.11% \$	162	2389	
	Capitalizzed Software	3210	90000116474	NO	G259 S	1,327,228	11/1/2013	84	\$300,206	\$110,602	\$205,404	8.0210%	\$ %000	s .		\$ %000			
108 IN VP2135-Chet Choice Email Tracking	Capitalized Software	2135	90000113008	YES	G012 S	621,113	11/1/2013	ž 3	\$140,490	851,759	\$96,125	8.0210%	17.76% \$	\$ 590'1	15,759	6.11% \$	373	5,42	_
110 IN 2960B CRM SAAS IMPLEMEN	IN VESSEE VIEL REPRECENTENT CAP SO INVAIRE SO finance-INV P 2960B CRM Sales force SaiS	2360B	90000119937	XES TES	G175 S	1.117.121	10/1/2013	. 2	\$239,383	\$79,794	\$159,589	8.0210%	21.83% S	2.229 S	34,838	0000%			
	Capitalized Software	3310	81181100	YES	G012 S	326,615	10/1/2013	8	\$86,988		\$46,659	8.0210%	17.76% S	S 965	8,287	6.11% \$	182	2,85	_
	NONE	USFP	90000104654	YES	G012 S	(2,545,646)	4/1/2013	120	SC		8	8.0210%	17.76% S	3 14,861 S		6.11% \$	5,113		
113 BUSINESS CHANGE & COMM-DESIGN CAPEX	NONE	CSP9	90000097843	YES	G012 S	(284,633)	4/1/2013	8 5	S 8		8 8	8.0210%	17.76% S	1,662 S		6.11% S	25		
114 USPT - Business Engagement-DD 115 USPP - Business Engagement-DD	NONE	ISP	90000104655	XES ES	G012 S	2.195.181	11/1/2012	120	5786.60		8676.848	8.0210%	17.76% S	7.334 S	38.086	6118	2.520	1341	
	NONE	USFP	90000097843	YES	G012 S	284,633	11/1/2012	130	\$101,994		\$87,762	8.0210%	17.76% S	\$ 050 \$	5,005	6.11% \$	327	1,739	
117 USFP - Business Readiness-DD	NONE	USFP	90000104654	YES	G012 S	2,545,646	11/1/2012	130	\$912,190		5784,907	8.0210%	17.76% \$	8,494 8	45,211	6.11% \$	2,922	15,55	<b>+</b> 1
118 USIP-PMO-R1 119 ISIP-Process & Design -R1	Capitalized Software-USFP-PMO - R1 Containing Software-USFP-Process & Design - R1	USP	90000107539	YES	G012 S	13,294,040	11/1/2012	8 2	\$4,763,697		54,098,996 S7 375 456	8.0210%	17.76% S	24,386 5	236,102	611% S 811%	15,260	8122	r 0
	USPP - Hardware & Software-DD Capitalized Software	USFP	90000104657	YES	G012 S	2,770,640	11/1/2012	8	\$992,813		\$854,281	8.0210%	17.76% S	9,244 S	49,207	6.11% \$	3,180	16,92	
	USPP - Solution Architecture-DD Capitalized Software	USFP	90000104656	YES	G012 S	2,908,470	11/1/2012	120	\$1,042,202		\$896,778	8.0210%	17.76% \$	9,704 \$	51,654	6.11% \$	3,339	17,771	_
122 (SPP - PMO-DD	USPP - PMO-DD - Capitalized Software	USFP	90000104645	YES	G012 S	4,761,712	11/1/2012	8 8	\$1,706,280		\$1,468,194	8.0210%	17.76% \$	15,888 5	84,568	6.11%	5,466	29,00	
	HR STREAM - DESIGN CAPEX - Capitalized Software	USFP	90000097841	YES	G012 S	826,202	11/1/2012	120	\$296.056		\$254,746	8.0210%	17.76% \$	2,757 \$	14,673	8 %119	848	5045	- 00
	Capitalized Software-USFP Tech Delivery DD	USFP	90000104651	YES	G012 S	1,708,792	11/1/2012	130	\$612,317		\$526,877	8.0210%	17.76% \$	s 5,701 S	30,348	6.11% \$	1,961	10,44	_
126 USPP - Testing-DD	USPP - Testing-DD - Captadzed Software Control and Software 19979 True Mar Sons	USFP	90000104648	YES	G012 S	209,496	11/1/2012	8 8	575,070		\$64,595	8.0210%	17.76% \$	S 36 2	3,721	6.11%	240	1280	
	Capitalized Software-USFP Test Ops	USFP	90000117358	YES	G012 S	4,359,638	11/1/2012	130	\$1,562,204		\$1,344,222	8.0210%	17.76% \$	14,546 \$	77,427	6.11% \$	5,004	26,63	
	Capitalized Software - USFP-Cutover -R1	USFP	90000107547	YES	G012 S	2,728,737	11/1/2012	120	\$977,798		\$841,361	8.0210%	17.76% S	8 9,104 8	48,462	6.11% \$	3,132	16,67	
130 USPP-Reporting & Into - K1 131 IN Pre-BITTEDBINT STRATEGY BLAN	Captalized Software-USF-Reporting & Into - K1  18 Dec. In IRDDING STRATIGN DI AN - Conjudend Software	HSID HSID	90000107544	YES	2007	6.197,728	11/1/2012	8 2	\$2,220,852		\$1,910,966	8.0021098	17.76% 5	20,009 5	115.073	6118	7,114	57,802	× ×
	Capitalized Software- USFP-Hardware & Software-R1	USFP	90000107551	YES	G012 S	23,426,143	11/1/2012	8 8	88,394,368		\$7,223,061	8.0210%	17.76% \$	78,162 \$	416,048	6.11% \$	26,890	143,13	. 4
	USPP Test Finance Capitalized Software	USFP	90000117364	YES	G012 S	3,910,865	11/1/2012	02	\$1,401,393		\$1,205,850	8.0210%	17.76% S	13,049 \$	69,457	6.11% \$	4,489	23,89	8
134 USPP - Process & Design-DD	USPP - Process & Design-DD - Caphalized Software	USHP	90000104646	YES	G012 S	17,463,817	11/1/2012	8 5	86,257,868		55,384,677	8.0210%	17.76%	38,268 5	310,157	6.11% 5	20,046	106,70	4 6
	Capitalized Software, US FOUNDATION PRGM ARCH/DECOM	USFP	90000121728	YES	G012 S	1,242,446	11/1/2012	138	\$445,210		\$383,087	8.0210%	17.76% \$	4,145 \$	22,066	6.11% \$	1,426	7.59	n –
	Capitalized Software- USFP-Solution Architecture-R1	USFP	90000107550	YES	G012 S	2,536,861	11/1/2012	130	\$909,042		8782, 199	8.0210%	17.76% \$	8,464 S	45,055	6.11% \$	2,912	15,500	
	USPP - Data Strategy-DD - Capitalized Software	USFP	90000104649	YES	G012 S	2,531,924	11/1/2012	02 :	\$500,273		5780,676	8.0210%	17.76% \$	8,448 S	44,967	6.11% \$	2,906	15,470	
140 INFORMATION MOMT - DESIGN CAPEX	FROCESS CONTROL: DESIGN CAPES - Capitalized Software IN FORMATION MGMT - DESIGN CAPEX - Capitalized Software	USFP	90000097845	XES ES	G012 S	346,941	11/1/2012	8 8	\$124.320		\$106,973	8.0210%	17.76% S		6,162	6.11% 5	38 2	2,120	
	PROCESS & DATA - DESIGN CAPEX - Capitalized Software	USFP	90000097844	YES	G012 S	271,405	11/1/2012	120	897,254		\$83,683	8.0210%	17.76% S	\$ 906 \$	4,820	6.11% \$	312	1,659	00
142 USPP-Build & Unit Test -R1	Capitalized Software-USPP-Build & Unit Test -R I	USFP	90000107541	YES	G012 S	26,765,794	11/1/2012	130	\$9,591,076		\$8,252,787	8.0210%	17.76% \$	889,305 8	475,361	6.11% \$	30,724	163,539	6
143 USIP-Business Readiness-RI	Captalized Software - USFP-Business Readiness - R1 Contributed Software - USFP-Business - R2	HS19	90000107548	YES	G012 S	2,020,438	11/1/2012	8 5	5723,990		\$622,968	8.0210%	17.76% 5	26.741 S	35,883	6118	2,319	12.34	n -
	Capitalized Software-USFP Test SS	USH	90000117367	YES	G012 S	46,113,703	11/1/2012	1 2	\$16.524.077		\$14,218,392	8.0210%	17.76% S	153.859 \$	818,979	6.11% \$	\$2,932	281.75	
146 USFP-Testing-R1	Capitalized Software- USFP-Testing -R1	USFP	90000107542	YES	G012 S	61,366,885	11/1/2012	120	\$21,989,800		\$18,921,456	8.0210%	17.76% \$	s 204,752 S	1,089,876	6.11% \$	70,441	374,95	13
	Captalized Software- USFP-Tech Delvery - R1	USFP	90000107545	YES	G012 S	4,595,067	11/1/2012	02	\$1,646,566		\$1,416,812	8.0210%	17.76% \$	5 15,332 \$	809'18	6.11% \$	5,275	28,076	9
140 SOLITION DEL DESCO CAREY	COLUMN DEL DESERVI CARRELLO CARRELLO CONTRAR COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE COLUMN DE C	TISTS	000000000000000000000000000000000000000	ATE A	2007	2503,901	11/1/2012	130	CT/1006		8770 474	8.021038	17.76%	3,000 5	16,008	6118	1,00	10,000	
	SOLUTION ARCH - DESIGN CAPEX - Capatized Software	USF	90000097839	YES	G012 S	199,928	11/1/2012	8	\$71,641		\$61,645	8.0210%	17.76% \$		3,551	6.11% \$	229	1221	0 61

For the Data Year ended March 31, 2020																			
								Amountantin	4/1/2019	3/31/2020		8.0210%	S210E			5210T			
	Description	# dani	Work Order	NMPC	Bill Pool F1	(20 Total Spend	In Service Date	Period	4/1/2019 Balance	3/31/2020 Balance	Average Balance	Return		NIMO E Rent-Return	NIMO E Rent - Depn	٠.,	NIMO T Rent-Renu	n NIMOT Rent-	- Depn
	FINANCE STREAM - DESIGN CAPEX - Capitalized Software	USFP	90000097838	YES	G012 S	1,441,354	11/1/2012	120	\$516,485	8372,350	\$444,418	8.0210%		\$ 4,809	35,598		s 17	× 7.	8,807
	USFP - Controls & Roks-DD - Capitalized Software	USFP	90000104652		G012 S	2,694,151	11/1/2012	120	\$965,404		\$830,697	8.0210%		8,989	47,848		3,0	93 S	16,461
	USFP - Build & Unit Test-DD - Capitalized Software	USFP	90000104647		G012 S	2,783,413	11/1/2012	8 5	8997,390		\$888,219	8.0210%		9,287	49,433		8 3		17,007
154 USPT-COMPOS & NOES -N. 155 INSP Total Procuss	Capparazze son ware- Cart-Controls or Robes - R.1 1849 That Presume Control Scott ware	INE	90000107360		2007	311956	11.02012	8 2	25,1122.0		52,300,043	8 0710%		00000	000001				1 906
	USPP Test HR. Capitalized Software	USFP	90000117366		G012 S	668'6	11/1/2012	120	\$3.547		\$3.052	8.0210%			176				09
	USFP - Cutorver-DD - Capitalized Software	USFP	90000104653		G012 S	118,108	11/1/2012	120	\$42,322		\$36,417	8.0210%		S 394	3 2,098		s	s 92	72.2
	DESKIN AUTH - DESIGN CAPEX - Capitalized Software	USFP	90000097842		G012 S	318,531	11/1/2012	120	\$114,140		898,214	8.0210%		\$ 1,063	5,667		s	s 98	1,946
159 PMO TEAM - DESIGN CAPEX	PMO TEAM - DESIGN CAPEX - Capitalized Software  TOC Enhancement (second-conduct appropriate)	USFP	90000097837	YES	G012 S	5,995,338	11/1/2012	2 2	\$2,148,329		S1,848,562	8.0210%		20,004	106,477		, s	. s	36,632
	Can Software-IN 2330 ETRM Reni Nachase-Gas Pener Cantained Software	2330	90000106247		GIGS S	579.164	10/1/2012	8 3	981369	8 8	820.684	8.0210%			17.346				
	IN 2230 ETRM Repl Nucleus-Gas Bonef	2330	90000106246		G210 S	6,005,256	10/1/2012	84	\$428,947	8	\$214,473	8.0210%					8	S	
	IN 2992 MA GAS SINGLE BILL (Work order #8K0000002315)	2992	1TXFER00099		C310 S	754,588	10/1/2012	84	853,899	8	\$26,950	8.0210%				%000	s	s	
	IN 2652 MA GAS RATE CASE: CRIS (Work order #8K008002205)	2662	1T XFER 00099		C310 S	427,462	10/1/2012	* i	\$30,533	8 1	\$15,266	8.0210%				8000	s	· ·	
165 IN 1488-Remote Access to Fault REC	Capitalized Software URB Baccording Tool	1488 1488	90000104110	YES	G220 S	247,958	9/1/2012	ž 3	\$14,759	8 8	57,380	8.0210%	0000%			48.12%	w •	v =	7,102
	N.1 Aepocung 1 co.1 N. 1656-C15T Systems Award disdom	9591	90000104112		C225 S	10.436.678	8/1/2012	8 9	58090FS	8 8	\$248,492 \$248,492	8.0210%			10001	000%			c#.
	IN 1671-US Transaction DEL HUB	1671	90000104114		G012 S	526,002	8/1/2012	84	\$25,048	8	\$12,524	8.0210%		s 206	4,448	6113	. 00	21.8	1,530
	IN 1182 GAS TRANSPORT SYS (Work order # 8K008002303)	1182	1TXFER00099	NO	C225 S	3,866,615	6/1/2012	84	\$92,062	8	\$46,031	8.0210%					s	s	
	Capitalized Software	1482	90000099166		G198 S	569,716	6/1/2012	84	\$13,565	8	56,782	8.0210%		300	2,688		s	s	
171 IN VP 0953 - Bill Pool 231 172 Decition (cent) AD & SharePoint)	Smallworld GIS PowerOn 4.0 upgrade Designor (email AD & StarePoint)	556 N/A	90000104088	YES	G138 S017 S	1,345,552	3/1/2012	ž 3	\$103,466	8 8	851,733	8.0210%	41.93%	2,744	43,383		· ·	. v	
	IN 1259B Contact Cir Consol (work order #8K000002213)	1259B	1TXFER00099		C310 S	718,478	3/1/2012	**	os	8 8	8	8.0210%				%000			
	Desktop (refresh)	N/A	9000006380		G012 S	950,271	3/1/2012	84	So	8	8	8.0210%		S 137		6.11%	s	t7 S	
	Data Center Rationalization	N/A	90000096387		G012 S	793,491	3/1/2012	* ·	os o	8 8	8 8	8.0210%		S 114		6.11%	s	s :	
176 CDH Acct Infration	CDH Acet Intration N nowIN Electric Collection	N/A	90000096339		GOIZ S	516,140	3/1/2012	× 3	08 9	8 8	8 8	8.0210%	26 160	5 7. S.		6.11% 000%	v •	s s	
	US-NG Global Infrance Design CAPEX	N/A	9000009332		G012 S	1,617,868	2/1/2012	* *	os S	8 8	8 8	8.0210%		\$ 233		6.11%			
	Cascade Phase II project 2 of 2	N/A	90000116202		G220 S	1,051,038	12/1/2011	84	so	8	8	8.0210%				48.12%	s	s	
	Cascade Phase II project 1 of 2	N/A	00000116201		G198 S	1,576,557	12/1/2011	84	sos	8	8	8.0210%				%000	s	s	
181 UHF Spectrum Purchase Project	UHF Spectrum Purchase Project NARP 12/27TB - KPI Manejou	N/A arres	90000104139		0.000	2,116,624	10/1/2011	* 3	08 9		8 8	8.0210%	9,000			8000	v v	o o	
	Video Conferencine	N/A	900000096376		G012 S	1.207.479	10/1/2011	5 %	os os		8 8	8.0210%				6.11%			
	JBCRD0 IFWholesule Re-Des	N/A	90000104116		G198 S	436,385	10/1/2011	8	S		8	8.0210%	41.93%			90000			
	IN VP 1242 - DECUS05	1242	90000104179		G198 S	253,998	10/1/2011	84	so		8	8.0210%				%000	s	s	
	IN VP 1224	1224	90000104101		G220 S	601,562	10/1/2011	84	So		8	8.0210%				48.12%	s	s	
187 DECUSOS-Autom for Mng Req	DECUSOS-Autom for Ming Req WCORPOS - AVIT & Instantistical	DECUSOS	90000104123		0138 S	1,914,655	10/1/2011	ž 3	08		8 8	8.0210%				%000 %000 %000 %000	000	s v	
	IN VP [39]	1301	9000104068		G077 S	523,093	9/1/2011	* *	os S		8 8	8.0210%	27.58%			9888			
	NOR23 Security Enhance Project	823	90000096383		G012 S	313,244	9/1/2011	84	S		8	8.0210%				6.11%		8	
	NY NE IVR Replacement(NIMO)	N/A	90000112170		G750 S	1,058,009	7/1/2011	84	sos		8	8.0210%				%000	8	s	
192 NE.NY IVR Replacement-Phase I(NIMO	NE_NY INR Replacement-Phase II/NIMO	N/A	90000112171		G750 S	1,489,236	7/1/2011	7 S	08		88	8.0210%	8300%			8000		s 0	
	NOO9-SCM-ENGAGE VENDOR	300	90000104115		G012 S	312,721	3/1/2011	. 26	os		8 8	8.0210%				6.11%			
	IN VP N/A-Tahm Management	N/A	90000104109		G012 S	208,232	3/1/2011	84	80		8	8.0210%				6.11%	s	s	
	LIM/ZEMA Project	N/A	90000097857		G012 S	402,988	3/1/2011	***	os :		81	8.0210%				6.11%		90	
198 S&M Data Warehouse Exempion	S&M Data Warehouse Extransion	N/A	900000096374		G012 s	981583	3/1/2011	84	os os		8 8	8.0210%				611%			
	Plan & Perf for Exec & US Dir	USFP	90000096375		G012 S	294,053	3/1/2011	36	os		8 8	8.0210%	17.76%			6.11%			
	IN VP2 391-Implement UI Planner-CAPEX	2391	90000096140		G138 S	1,686,410	3/1/2011	84	80		8	8.0210%				6.32%	s	s	
	Control Center Dispatch Radio (BL)	N/A	90000105793	0 S	G272 S	13,392	12/1/2010	4 4	08		88	8.0210%				0000		· ·	
202 GLS Project (Banker's lease) 203 ACLS Project (Banker's lease)	Clis Project (Bankers Lease) ACIS Project (Banker's lease)	N/A	90000109051		G259 S	154.535	12/1/2010	0 0	08		8 8	8.0210%				8000			
	SP01-Inegrated Strat Plan	ISP01	90000104122		G198 S	1,105,706	12/1/2010	84	os so		8	8.0210%				%000		s	
	SHO KTO4-Prima P6 Upgrade	SHORT 04	90000104121	YES	G198 S	1,443,524	12/1/2010	84	80		8	8.0210%				%000	8	s	
206 TGM (formerly Bankers Lease) 207 N 1342D-15D-bankers Seer Plan	TCM (formerly Bankers Lease) Confidence Sedenam	N/A	90000105795		G220 S	260.044	12/1/2010	۰ ۶	08		8 8	8.0210%				48.12%	000	s v	
	AIMAS Project - Bill Pool 233	N/A	90000104238		G220 S	47,097	10/1/2010	**	os 80		8	8.0210%				48.12%			
	Cascade Phase I project 2 of 2 Bil Pool 231	N/A	90000102451		G198 S	588,773	10/1/2010	\$	So		8	8.0210%				96000	8	8	
210 IN R Project Work 211 IN 1588-21st Cont. FOR SYRACTINE AB	IN REPORCE WORK  N 1888-21st Com. FOR SYRACTISENR	N.A 1588	90000104039		C284 S	773.401	9/1/2010	7 %	08		3 3	8.0210%	17.76%	. 8		80008	· ·	× ×	
	IN VP 1401	1401	90000104080		G012 S	527,701	9/1/2010	84	os s		8	8.0210%		. J		6.11%			
	WO for Capital Chgs-FFA	N/A	90000104186		G284 S	7,411,737	9/1/2010	29	80		8	8.0210%				%000	s	s	
214 Birk Lease W MA F Optic Proj	Bak Lease W MA F Optic Proj	N/A	90000104185		G284 S	435,545	9/1/2010	84 44	08		88	8.0210%	9000	. 8		%000	00 00	· ·	
	CIS Consolidation	N/A	90000104055		C284 S	28.500,771	9/1/2010	8	os os		8 8	8.0210%				%000			
	Web Initiatives FY09 - Phase 1	N/A	90000096373		G012 S	2,010,464	9/1/2010	84	80		8	8.0210%		S 290		6.11%	s	s 8	
218 IN VP 0845	NVP 0845	848	00000104060		G012 S	464,135	9/1/2010	<del>2</del> 3	08		88	8.0210%	17.76%	S S		6.11%	s »	23 0	
_	OMS-Canisal - Bill Prol 232	N/A	90000104188		G284 S	1.059.216	9/1/2010	35	os os		8 8	8.0210%				%000			
	INN/A-N ERC CIP Compliance	N/A	90000096381		G186 S	1,155,595	7/1/2010	8	S		8	8.0210%		S 288		10.99%		8 8	
	Cascade Phase I project 1 of 2 Bil Pool 233	N/A	90000102450		G220 S	392,515	7/1/2010	84	S		8	8.0210%	%000			48.12%	s	8 8	
223 OneNet	OneNet	N/A	90000096379		G012 S	4,483,264	6/1/2010	8 6	os o		8 8	8.0210%	17.76%	\$ 646		6.11%	00	s s	
	Contact Centreis Call Recording BISTRANS - WIRES & PIPES - CAPITAL	V/V	TXFEROOSS	NO N	G227 S	301,473	3/1/2007	ž ž	os s		3 3	8.0210%	9000	, v		% OOO	n v1	· ·	
226 TXFER00099	HR BENEFITS	N/A	1TXFER00099	NO.	N237 S	5,405,642	7/1/1999	83.97	80	8 8	8 8	8.0210%	%000		,	%000		, w	
	DATA WAREHOUSE	N/A	1TXFER00099		G230 S	2,328,852	7/1/1999	09	80		8	8.0210%	%000				8	8	
	IN VP 2927 US Deskrop Refersh	2927	90000150615		G012 S	223,999	5/1/2016	<del>*</del> 5	\$130,666		\$114,666	8.0210%	17,76%	S 1,219	5,683		8 0		1,955
220 IN VP 3882 - NYS Pipeline Safety CMS	IN VF5 014AZ JAM Pris Web Administration NYS Pipeline Sukey CMS Regular ory Compliance	3882	90000141742		G207 S	-	12/1/2016	: 30	\$1,027,287	98/188 8	3017,488	8.0210%	0000%		39,107				13,454
	Account to the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s													,			,	,	

Niagara Mehawk Power Corporation deba National Gid Service Company Renes Existing Service Company Captal Software allocated to O For the Data Your ended March 31, 2020

						Amontization	4/1/2020	3/3/2021		7,9910% Service Co	S210E NIMO E			S210T NIMO T		
Description	INVP# Work Order	-		FY21 Total Spend	In Service Date	period a	4/1/2020 Balance	3/31/2021 Balance	Average Balance	Return	Allocation	NIMO E Rent-Rotum NIMO	NIMO ERent - Depn	Allocation	NIMO TRent-Return	NIMOT Rest - Depn
INVP 3564 Cust orner Choice ESCO Gas Management	3564 90000	90000134705 NO	0 0225	S 14,409,951	10/1/2016	3	\$7,204,976	\$5,146,411	\$6,175,693	7.9910%	8 %000 8	8 .		90000		
INVP 4172 - Cross Company Customer System Enhancements INVP 4172 - Cross Company Customer System Enhancements		9000164925 YE 9000167166 YE		71,888,518 513,51013			86,779,238	10,295,01 101,295	\$5,787,154	7.9910%		80,000	461,898	8008		
INVP 4244 - US Contro IEBB Gas Trading Day Changes				8617,691			\$286,785	\$198,544	\$242,664	7.9910%				9000		
INVP 3194 - Bill Print Facility Relocation Support				\$31738			\$147,521	\$102,130	\$124,826	7.9910%		s 1,748 S	10,567	90000		
INVPSGP Chasada System for Gas		90000134426 YE		\$2,353,207			\$1,092,561	\$756,388	5924,474	7.9910%			. 00	9000		
USFP Rebase 3 Finance				(\$76,185			8	8	8	7.9910%		#13 S		9(11)9	152	
USFP Release 3 Supply Chain activity		0142410 YES		£18,675.8)			8	8	8	7.9910%	17.76% S	5 2,209 S		9119	760	
USFP R3 Payroll part of USSC-12-333				\$14937X			8 55	8 2	8 200	7.9910%	17.76% S	S 68 .		9 1130	538	
IN VPSS30 NV Retail Access Mandate				\$2.330,372			SI.026-074	\$603.563	\$80008	7.9910%	4349% S	22.542. \$	144783	9000		2001
INVP 2583 CRIS Migration to CSS System				38			8	8	8	7.9910%	8 9000			90000		
IN VP 2927 US Desktop Refresh				\$6,823,937		36	\$3,005,782	\$2,030,934	\$2,518,358	7.9910%	17,76% \$	s 26,967 S	173,133	6.11%	9,274	88
USFP Rehase 3 Finance				(\$3,665,85)		120	8	8	8	7.9910%	17.76% \$	21,200 \$		611%	7,335	
INVESTIGATION TO SERVICE MAKE COMMISSION OF THE COMMISSION CAME and 18-D		9000150429 TES		51,233,464			SR(0000	SUL,1952	\$459,044	7.0010%	21830.		- 12	9000		
ANY PROCESS MODULE DONNE FOUR FIG., MEGG Operations, Onto, and axes. Cardialised Software: INVP3136 NE Gra Leafes Rechecks.		0124374 NO		\$1,745,51.			065 2333	\$363.137	5457.868	7.9910%	0000	· ·	700	9000		
INVP 4133 - LI Subilization				\$677,092			\$282,122	\$185,394	\$233,758	7.9910%				9000		
INVP3492 Comprehensive Integration Services Foundation		90000134389 YES		\$2,570,472		38	S1,040,429	\$673,219	\$856,824	7.9910%	17.76% S	s 700.00	65,217	6.11%	3168	22
Capitalized Software-INVP 3600B US Web Initiatives 2				\$4,153,761			\$1,681,284	\$1,087,890	\$1,384,587	7.9910%		s 18,288 S	129,538	90000		
USFP R3 Payroll part of USSC-12-333				S2D78			\$1,212	S1,004	81,108	7.9910%		s 12 S	37	%119	**	
INVPSS7SD: Challangs the Limits Letters				\$409.85			\$165,895	\$107,344	\$136,620	7.9910%		\$ 895'9	46.525	%000		
INVP2495H US CNI Frame Relay Replac				86,532,674		<b>z</b> :	2,644,178	SI,710,989	22,177,558	7.9910%	9000			9000		
IN VP 4074 - MA Gigs 4 Hour Appointment		SCOOLGOUSS NO		S29156		<b>z</b> 3	5114,544	572,892	893,718	7.9910%	8000			9000		
IN VP 2.2.5) Succei Lights Outsign imp				5324240		\$ 3	S12,500	SSI,13)	5104,318	7.001000		11411 8	13,440	6119	4696	ž
Acres Control & Alem Monitoring System				\$6129079		8 28	\$3.137.905	\$2.261.922	S2 609 713	7.0010%		28.77.85	155503	9119	1886	1 %
INVP 3538 - VSTYG Bandwidth Increase		9000158866 YES		\$1,747.846		3	\$894,731	\$645,039	\$769,885	7.9910%	17.76% \$	8.192 S	44,345	8113	2818	
NVP 4266 - End User Device Refresh Win7 Ph3 Assessment (Full)				\$294,858		38	8150,939	\$108,817	\$129,878	7.9910%		s 1,382 S	7,481	%119	475	
EHR I - Payroll				\$6,240,543		3	\$2,377,350	\$1,485,844	\$1,931,597	7.9910%	17.76% S	5 20,820 S	158,331	6.11%	7,163	\$
EHR1 - France				SI0,024,521		78	\$3,818,865	\$2,386,791	\$3,102,828	7.9910%	17.76% S	33,445 S	254,336	6.11%	11,506	87.
EHR1 - Supply Chain				\$18,657,15.		z :	57,107,487	\$1,442,179	55,774,833	7.9910%	17.76% S	62,346 S	473,359	9.11.9	21,415	162
EHR1 - IT Delivery		9000148061 YES		\$2,568,58.		130	51,455,701	SI,198,XI3	SI,327,257	7.9910%		77.616 8	45,623	8 118	4837	2 5
SHE LINE				S14.056.768		ŧ	SS 697 816	53 461 135	St 679 476	7.0010%		0 10507 3 10507	179475	6118	17167	7 2
NONE				865,683,888		\$ 25	\$25,022,434	S15.639,021	\$20,330,727	7.9910%		5 517,379 S	3.934.465	9000		
INVP3375B- Challenge the Limits XML		90000140573 YES		\$616,276		26	\$234,772	\$146,732	\$190,752	7.9910%	35.18% S	4,003 \$	30,972	90000		
USFP Rokaso 3 Finance				\$12,524,547		120	86,888,501	85,636,046	\$6,262,274	7.9910%		66,393 \$	222,436	6.11%	22,841	76
IN VP 2900C - Gridfo ree StatS Phase 2 Implamentation		0131135 YES		×		3	8	8	8	7.9910%				%000		
Capitalized Software				\$3.552pl.		ž :	SI,184,004	8676,574	5930,289	7.9910%		s 10,106 s	90120	6.11%	347	E 3
INVEZNJE SKORING ACCESS FUREK NEKU CIP COMPANIOS  Backerman de WO OCOCOCOCOPATA ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN ACCESTE DE MAN A				26080,42		\$ 3	N2228,309	5130,48	511,9,119	7.00100				33.13%	7900	<b>4</b>
Apparentment of the Second 24 to people years with the second content management and used to Last common.  Containing Seferance INVP 2013 Security Info & Event Mem.		DITTURE YES		10762-18		t 2	\$500.243	CD-03-CS	CUT 1 25 100	7.0010%		8 947	44466	6119	1410	×
IN 31248 GLOBALHR STRATEGY				\$1,752217		8	\$500.634	\$250.317	\$375,475	7.9910%		4,05 \$	44456	%11%	1419	15
Capitalized Software INVP 3615 Success Breatprise Mgms		90000134377 YE		8623,254		26	\$170,663	581,687	\$126,135	7.9910%		3 2,407 S	27,370	10.99%	88	6
NONE		107542 YE	'S G012	8		120	8	8	8	7.9910%	17.76% S	s .		%119		
INVP 2951 - Logal Hold Automation		90000131880 YE	2S G002	8647273		z	\$177,230	884,762	\$130,996	7.9910%	17.76% \$	1.444 S	16,422	%11%	497	×i
Capitalized Software- INVP 1549B Meer Randing		9000120007 YE	S GI75	\$1,174,50,		<b>3</b>	8321,590	\$153,804	\$237,607	7.9910%		3,221 S	34628	9000		
INVESTMENT LODGES		0000138893 IES		2007		\$ 3	000000	8 30 150	00000	7.001000			22.400	10000		,
Cardially of Software-INVP 0023 Data Loss Prevention		90000113636 YES		8782169		ā	\$214.165	S102-427	\$158.296	7.9910%		S SET	19.845	9119		6827
INVPOR22e Laptop & Port Device Info				\$2,543,064		38	12,9608	\$333,023	\$514,672	7.9910%		5 5,674 S	64,522	%11.9	1952	22
INVP823D Guardium		7141134 YE	'S G012	×		3	8	8	8	7.9910%		s .		6.11%		
INVP2900C GirdForce Stads Planse 2		0144051 YE	5S G210	\$3,254,213		3	980108S	S426, M8	8658,992	7.9910%	8 9000			90000		
INVESTIGATION OF IMPRIENCES FOORE OF CORNERS OF CONTRACT OF CONTRACT OF CUSTOMERS OF THE PROPERTY OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF CONTRACT OF C		AUGUSTANO YE	S CIIS	51,580,41;		z :	116,1188	5180,769	05,9128	7.9910/6	23.28%	4,08/ s	45507	9000	. 1	
Capazing Conference IV V F 3009 Earls Conference		000013706 VE	2007	20000000 20000000000000000000000000000		\$ 3	\$100,000	00000	5/3/35/	7.00100	17700.	8 8 8	6,000	6118	700	
IN VP 29C2b Mentin v & Access Met Pr		113826 YE	S G002	\$3.576972		ž	6076768	\$468.413	\$723.911	7.9910%	17.76% S	2887	90.753	%II%	2746	31
USFP R3 Payroll part of USSC-12-333		1142385 YE.	'S G012	S		28	8	8	8	7.9910%	17.76% \$	8 0	0	6.11%		
USFP R3 Payroll part of USSC-12.333		90000142385 YE	'S G012	\$7,489,757		120	83,620,049	\$2,871,004	\$3,245,561	7.9910%	17.76% S	s 46,061 S	133,018	%11%	15,846	455
Capitalized Software-USFP Relates 3 - ITDelivery		0142344 YE	2S G012	\$9,575,833		120	\$4,548,522	\$3,590,938	\$4,069,730	7.9910%	17.76% \$	43,354 \$	170,067	9(11.9)	14915	×
US FP Returned Stappity Chaim activity		3000143410 YE	S G012	59,814,17.		82 5	54,661,733	SE,080,315	84,171,004	7.9910%	1776%	5 44,433 S	174,300	6.11%	15,286	Š.
Contribed Software		000013877 YE	S G003	0875118		t 2	S77.487	810.999	S19.348	7.0010%	S 30000		2940	6119	. 2	. 8
Motor That Equipment Capitalized Software		OOO 103863 NC	O G284	\$186308		8	\$39,923	813.308	\$26.615	7.9910%	8 9000			9000		
New England Telecom Network Alam Capitalized Software		100684 NC	D G284	156888		z	190'618	86.354	\$12,707	7.9910%	8 9000			9000		
INVP 1643B - NY Commodity Rates Capitalized Software		110456 YE	S GII3	\$18,216		38	\$3,903	100'18	\$2,602	7.9910%	79.46% S	s 132 S	2068	9000		
IN 1642Rudio Standardization Cons Capitalized Software		900009937 YE	2S G002	\$130,644		ž	\$27,995	89,332	\$18,063	7.9910%	17.76% S	3 211 \$	3,315	6.11%	2	
IN 2366LI CNI Direct Hw Upger Software		124371 No.	0 023	\$6693.		ž 3	\$12,749	S3,87	57,968	7.9910%	9000			9,000	. 5	
INVPLASS Computations Extension to Windows 7 - Computation Software		0000134385 YE	2 GB6	8874.103		ŧ	S156.090	\$31.218	593.64	7.9910%	3074% S		38386	96601	56	13.723
IN 1642-Radio Sandardization Cons - Capitalized Software		000009936 YE	'S G012	\$3,046,691		ž	\$544,052	\$108,810	\$326,431	7.9910%	17,76% \$	3,805 \$	77,299	6.11%	1309	92
INVP2997B Earned Value Management Phase 2 - Capitalized Software		90000134297 YE	981D S	\$138248	8 7/1/2014	ž	\$24,687	\$4,987	\$14,812	7.9910%	3074% S	299 S	11009	966701	100	
N. LISO CASTIDA N. SPORT SINCE Constitution of Software		124369 NC	7. G227	\$1,780,960		28	\$318.029	563.006	\$190,817	7.001095	8 9000	· ·		90000		

									4/1/2020	3/31/2021		7.9910%				\$210T			
	Destriction	INVP#	Nork Order		'il Pool	FY21 Total Spend	in Service Date	Amontzation	4/1/2020 Balance	k31/2021 Balance	Average Balance	Return		NIMO E Rent-Rotum	NIMO E Rest - Depa	-	NIMO T Rent-Return	NIMOT Rest - De	88
	INVP 2997 Famed Value Mgmt Rptg Cap indized Software	2997	90000120197		9810	\$603,575	7/1/2014	ž	\$107,781	\$21,556	\$64,669	7.9910%		s 1,305	\$ 26506		997	6 8	9,476
	INVP3574 SmaltWoold GIS FY 13R 1-2 - Cup indix od Soft ware	3374	90000120127		8619	\$309,785	7/1/2014	ž	685,319	\$11,064	\$33,191	7.9910%		\$ 913	s 18556			s	
MW	IN N/A NE & NY EMS NER C-CIP Authorstication - MW Capitalized Software	N/A	90000097856		G20	864286	3/1/2014	3	58,418	8	84,309	7.9910%					S 143	S	583
	Chaptalized Sylvanie	188	19000100006		G077	8258131	3/1/2014	z :	533,803	88	\$16,901	7.9910%		s 333	s 9,458		S .	e i	374
	INVESTIGATE A CONTROLLED WAS A CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE CONTROLLED OF THE	11828	90000124368		G227	8410384	3/1/2014	ŧā	IE 185	8 8	826.870	7.9910%							
	INVP N/A NEEMS TISS Capitalized Software	N/A	90000104968		GZ72	\$255,055	3/1/2014	38	\$33,400	8	\$16,700	7.9910%			s			S	
IIS)	Capitalized Software- IN LISZBGAS TRANS S YS PHASE 2	1182B	90000124375	NO	N237	\$1,675,640	3/1/2014	z :	\$219,429	88	\$109,715	7.9910%	00008	, 3		90000	. 5	s	. 0
	UNP 2981 US Security A wateraces Cap Software	2981	90000117533		G012	\$250,393	3/1/2014	ž ž	\$32,790	8 8	\$16.395	7.9910%		s .			8 12		8
	INVP 3393 Bhancament of Reservice Woods Capitalized Software	3393	90000123634		1063	8101336	2/1/2014	38	\$12,040	8	86,000	7.9910%		S 42	S		. I	S	467
	Capitalized Software	N/A	90000104057		09190	826246	2/1/2014	ž	\$3,125	8	\$1,562	7.9910%		S 30	s		=	s	8
	Capitalized Software NAD 2020 TOA Than observation Control Software	3294	90000117978		G012	\$969,208 cert1 soc	2/1/2014	# a	\$115,362	88	557,001	7.9910%		S 2	s 0		233	S 9	8
	Control 1945 Control Temporary Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2008 and Control 2	NEWIO	SCHOOLOGIS		000	SC12000	2/1/2014	ŧ 2	8009	8 8	977700	7.0010%		o 71					
	INVP3103 IR IS ECopialized Software	3103	90000106874		G012	\$3,036,545	2/1/2014	1 2	\$361,493	8 8	5180,747	7.9910%		s 2,301			160	. 0	780
	Capitalized Software	N/A	90000104150		8619	820,566	2/1/2014	2	\$2,448	8	81,224	7.9910%		s 37	s			s	
	INVP 3195 Storms Archive Tool Implementation	3195	90000113628		0919	8627,573	12/1/2013	3	859,769	8	\$29,884	7.9910%		8 611	s		\$ 216	0	3,756
	Calpitalized Software	2630	90000107276		G012	\$1,023,605	11/1/2013	z :	288,300	88	\$42,660	7.9910%		8	0 0		2002	· ·	212
	Cholalized Software	MASA 1643C	900011600		GEN GEN GEN GEN GEN GEN GEN GEN GEN GEN	8606020	11/1/2013	t z	S50-502	8 8	\$25.25	7.9910%		ogri .					
	Capitalized Software	3307	90000119141		G012	\$668,684	11/1/2013	ž	855,724	8	\$27,862	7.9910%		s 383	s		S 132	s	905
	Capitalized Software	1549	90000107743		G012	\$1,099,783	11/1/2013	ž	891,649	8	\$45,824	7.9910%		\$ 681	s		S 217	s	8
	NVPP 1356-A US Renail Web Caustomper & Marketes	1356A	9000100058		61139	\$6,726,634	11/1/2013	<b>z</b> :	\$560,583	8 1	\$280,276	7.9910%		S 7,641	s		. :	S	. }
ı	Company of Company	Z)3Z NEWNZ	900000000		2002	\$288,033	11/1/2013	ž a	SET 363	8 8	\$24,515	7.0010%		(A)	, ,		9		8, .
	Capitalized Software	1389	90000104257	YES	G012	8267.594	11/1/2013	: z	822.299	8 8	\$11.150	7.9910%		S 153			. 82		362
	Capitalized Software	2832	90000112827		9819	\$324,412	11/1/2013	3	\$27,084	8	\$13,517	7.9910%		S 322	s		S 115	s	167
	Capitalized Software	2172	90000106487	YES	G 1998	\$710,520	11/1/2013	ž	859,210	8	\$29,005	7.9910%		S 962	s			s	
	Capatilled Software	N/A	90000095326		G012	\$4,281,380	11/1/2013	<b>z</b> :	\$356,782	8 1	\$178,391	7.9910%		S 2,455	S		845	8	8
	Carpon Revenue Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter Commenter C	3076	9000109487	NO NO	2002	SZ10Z19	11/1/2013	ž a	SZZZS3	8 8	797118	7.001006		8 .	, ,		8 .	, ,	98
	Capitalized Software	2135	9000113005		G012	8621.113	11/1/2013	ž ž	\$51,759	8 8	\$25.80	7.9910%		. 92e					. 162
	INVP2522 VTL Replacement Cup Software	2522	90000104630	YES	HITTI	8648.194	11/1/2013	25	\$54,016	8	\$27,008	7.9910%		8 349	s			S	
	Software-INVP 2000B CRM Substorce StaS	2960B	90000119937	YES	GIDS	\$1,117,121	10/1/2013	3	\$79,734	8	\$39,897	7.9910%		\$ 703	s			s	. 3
	Captained Software NONF	3310 18EP	9000118115		5002	\$326,615	4/1/2013	z 2	823,300	8 8	S11,003	7.9910%		S 14.805			8 500		Ę.
IN CAPEX	NONE	USFP	90000097843		G012	(\$284,633)	4/1/2013	130	8	8	8	7.9910%		\$ 1,665			570		
	NONE	USFP	90000104655		G012	(\$2,195,181)	4/1/2013	120	8	8	8	7,9910%		\$ 12,767	s		4392	s	
A CANADA	NCNE	USFP	90000104655	YES	G012	\$2,195,181	11/1/2012	120	8567,089	\$347,570	\$457,729	7.9910%		\$ 5,083	s		1731		413
IN CAPEA	NON E	HS-F	900000843		2007	52045525 5245646	11/1/2012	130	5047.67	S403.06/	647,655 547,053	7.9910%		289	, ,		2008		3
	Capitalized Software-USFP-PMO - R1	USFP	90000107539		G012	\$13,294,040	11/1/2012	130	\$3,434,294	\$2,104,890	\$2,769,592	7.9910%		S 30,477	· s		5 10.485		227
	Capitalized Software-USFP-Process & Design -R1	USFP	90000107540		G012	87,564,718	11/1/2012	120	\$1,954,219	\$1,197,747	\$1,575,983	7.9910%		S 17,343	s		\$ 5,966	s	223
	USPP - Hardware & Software-DD. Capitalized Software 1839 - Schulies Ambiectum DD. Contributed Software	USEP INSER	90000104657		G012	\$2,770,640 \$2,906,470	11/1/2012	130	S715,749 S741 365	\$438,085	SST7.217	7.9910%		S 6,382	s •		2185	· ·	62 1
	USPP - PMG DD - Carpinged Software	T-SI	90000104645		G012	S4,761.712	11/1/2012	130	\$1,230,109	\$753.988	S992.023	7.9910%		s 0,000 S 10,917			3756		8
	Capitalized Software-USIP-Business Engagement -R.1	USFP	90000107549		G012	\$154,570	11/1/2012	120	\$39,981	\$24,474	\$32,302	7.9910%		\$ 354	s		S 123	8	₹
	HR STREAM - DESIGN CAPEX - Cupinined Software	USFP	90000097841		G012	\$826,202	11/1/2012	130	\$213,436	\$130,815	\$172,025	7.9910%		S 1,894	S		8 652	S	808
	Captained Software-USH* Tech Denvey DD  18 PP - Tools in-DD - Cardelined Software	d-light	SOCIONESI	S A	COUZ	S1,708,92 S709,496	11/1/2012	130	S441,458 S54.170	833.0389	\$355,988 \$43.645	7.9910%		5 598	, ,		5 105		1 8
	Capitalized Software-USPP Test Net Streat	USFP	90000117362	YES	G012	\$1,305,452	11/1/2012	120	\$337,342	\$206,697	\$271,969	7.9910%		\$ 2,993	s		S 1,030	s	976
	Capitalized Software- USFP Test Ops	USFP	9000117358	YES	G012	\$4,359,638	11/1/2012	130	SI,126,340	8690,276	8908,288	7.9910%		\$ 9,995	S		3439	S	1893
	Capitalized Software: US PP-Cultover-R1 Canitalized Software: IN IP-Recogning & Info - R1	d-light	9000107544	S A	COUZ	SC 197778	11/1/2012	130	S/04/304	097754S	SI 291.193	7.9910%		S 0,200	, ,		7127		2 8
	US Pro-BLUEPRINT STRATEGY PLAN - Capitalized Software	USFP	90000094157	YES	G012	\$6,530,003	11/1/2012	120	S1,686,917	\$1,033,917	\$1,360,417	7.9910%		s 14,970	8		\$ 5,150		808
	Capitalized Software, USFP Hardware & Software-R1	USFP	900010751	YES	G012	\$23,426,143	11/1/2012	120	86,051,754	\$3,709,139	54,880,447	7.9910%		53,706	S		18477		100
	USPP - Process & Design DD - Capitalized Software	USFP	90000109646	AES ES	G012	\$17.463.817	11/1/2012	130	\$4.511.486	S2.765.104	\$3,638,295	7.9910%		s 40.087			s 13774		9 5
	S/CHAIN STREAM - DESIGN CAPEX - Capitalized Software	USFP	90000097846	YES	G012	\$1,038,127	11/1/2012	120	\$268,183	\$164,370	\$216,276	7.9910%		\$ 2,300	8		819		5,343
MO	Capitalized Software-US POUNDATION PREMA ARCH/DECOM	USFP	90000121728	YES	G012	\$1,242,446	11/1/2012	02 20	\$320,965	\$196,721	\$258,843	7.9910%		2,818	0 0		086	0 1	E 8
	Capitalized Software: CSTP-Software Architecture: K1 USPP - Data State ev-DD Capitalized Software	USFP	90000104649	AES ES	G012	\$2.531924	11/1/2012	130	9003700 8004080	S400.888	8527.484	7.9910%		5.805			1961		3 5
X	PROCESS CONTROL - DESIGN CAPEX - Capitalized Software	USFP	90000097847	YES	G012	\$138,806	11/1/2012	120	\$35,858	\$21,978	\$28,918	7.9910%		S 318	S		8 100	S	8
PEX	INFORMATION MGMT - DESKIN CAPEX - Cap inalized Soft ware	USFP	90000097845	YES	G012	\$346941	11/1/2012	120	\$89,426	\$54,982	\$72,279	7.9910%		s 795	s		S 274	8	130
	PROCESS & DATA - DESIGN CAPEX - Capitalized Software Confectional Software ISIDs Builds to Linit Trans. 20 1	d Series	90000097844	YES	G012	S271,405 S74,745,794	11/1/2012	130	S70,113	\$42,973	556,543	7.9910%		S S S S S S S S S S S S S S S S S S S	s •		214	· ·	88
	Carpitalise of Software - USP - Basiness Realiness R.I.	USFP	90000107548	YES	G012	\$2,020,438	11/1/2012	1 20	\$521.947	\$319,903	\$420.925	7.9910%		s 4.682	· v		1594		345
	Capitalized Software-USIP-Data Stategy - R 1	USFP	90000107543	YES	G012	\$7,738,324	11/1/2012	120	SI,999,067	\$1,225,235	\$1,612,151	7.9910%		S 17,741	s		8019		78
	Capitalized Software-USPP Test SS	USFP	90000117367	YES	G012	\$16,113,703	11/1/2012	120	\$11,912,707	\$7,301,386	\$9,607,022	7.9910%		S 105,719	S		36371	s	,755
	Capitalized Software: (SPP-1 orling -R.) Contributed Software: ISSD-70-th Dalpower, D.)	d-SS-1	90000103542	MES A	5002	561,366,885	11/1/2012	130	SB,853,112 SI 187.060	89,716,423	S12,784,768 S057,306	7.9910%		5 140,683			3674		985
	USPP - Reporting & Info-DD - Capitalized Software	USFP	9000104650	YES	G012	\$2,503,961	11/1/2012	130	8646,857	\$396,460	8521,669	7.9910%		S 5,740			5 1,975		238
	SOLUTION DEL : DESKON CAPEX - Capitalized Software	USFP	90000097840	YES	G012	\$306,402	11/1/2012	120	\$234,154	\$143,514	\$188,834	7.9910%		s 2,008	s		S 711S	S	5538
	SOLUTION ARCH - DESKIN CAPEX - Capitalized Software	USFP	9000007839	YES	G012	\$199,928	11/1/2012	120	851,618	\$31,665	\$41,652	7.9910%		\$ 458	s		s 158	s	,222

	NIMOT Rent - Depn	16.461	17,007	47,496	8 8	722	1,946																																																				1,955	
	Return	2125 S	2195 S	6131 \$	o so	93 S	251 S					s 16	, ,	26 S			8 Z9	. !	s s	36 S		8.					s .								s :			s .			s .			s •		. :	50 to 20				8 8	. 23	. 8	103 S	155 S 222 S	18 S		9 90	304 S	e 1667
	NIMO TRent-																																																											
S210T NIMO T	ation	2 2	9113	8118	8119	6.11%	8 8	 	9000		8	12%	e e	2 %	%	e e	911	8	2 2	9119	9000	9118	8	8	98	íá	8	12%	r i	9.96%	6.11%	8	5 6	811	911	2 8	811	9118	5 6	8	8 8	5 8	12%	30000	8	8 3	2 2	9000	e e		8118	 £ 8	9,000	10.99%	128	9119	9000		911	. s.
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S210E NIMO E	ocation	776%	7.76%	7.76%	7.76%	3,76%	7.76%	9000	193%	900	9000	9000	9000	7.76%	9000	1193%	3.76%	9000	776%	3.76%	98139	9000	4193%	9,000	27500	4193%	193%	9000	193%	7.98%	3.76%	300%	300%	3.76%	7.76%	300%	3.76%	7.76%	9000	9000	9000	193%	9000	193%	193%	9000	7.76%	9000	3000% 1 0 1 0 1	9000	3.76%	7.76%	9000	0.74%	3,76%	7.76%	9000	9000	7.76%	9000
		7.9910%			1 301067													-	6 8	36																																		2,0010%			3010%			2010%
7.9910% Service Co	Return	8 8	7.9910%	7.9910%	1.00	7.9910%	7.9910%	7.99	7.9910%	7.99	7.99	7.99	8 8	7.98	7.99	2.9	7.99	7.99	8 8	7.99	7.99	8 8	7.99	7.99	8 8	1.89	7.99	1.99	8 8	7.99	7.99	7.99	8 8	7.99	7.99	8 6	7.99	7.99	7.99	7.99	7.99	8 8	7.99	7.98	7.99	7.59	7.8	7.99	8 8	7.99	7.99	8 6	7.99	7.99	7.99	7.99	9.7	7.99	7.99	18
	Average Bakmoe	S561.281	8579,878	\$1,619,488	\$2.062	\$24,006	S66,361	8	88	8 8	8	8 1	3 3	8	8	яя	8	8	8 8	8	8	8 8	8	8	8 8	8	8	88	8 8	8 8	8	8 8	8 8	8	8 8	8 8	8	88	8 8	8	88	8 8	8	88	8	88	8 8	8	8 8	8 8	8 8	88	8	88	3 8	. 8	88	8	\$82,666	8 8
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3/31/2021	3/31/2021 Balance	S426.57	\$440,70	\$1,230,81	818	\$18,700	550,45 50,00	8	00		a	a	2	10		2		a	2		a	2		0	200		a	00			a	0		ia	a	22		a		a	a	22		aa					00	10	a	22	a	88	20		88		99999	8
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4/1/2020	4/1/2020 Balance	8008	8719	82,008	. S	115,052	285																																																				808	8
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	Service Date	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	10/1/2012	10/1/2012	10/1/2012	10/1/2012	9/1/2012	8/1/2012	8/1/2012	6/1/2012	6/1/2012	3/1/2012	3/1/2012	21/2012	3/1/2012	3/1/2012	12/1/2012	12/1/2011	10/1/2011	1071/01	10/1/2011	10/1/2011	10/1/2011	10/1/2011	9/1/2011	9/1/2011	7/1/2011	5/1/2011	3/1/2011	3/1/2011	3/1/2011	3/1/2011	3/1/2011	12/1/2010	12/1/2010	12/1/2010	121/2010	12/1/2010	12/1/2010	10/1/2010	9/1/2010	9/1/2010	9/1/2010	9/1/2010	9/1/2010	9/1/2010	9/1/2010	9/1/2010	7/1/2010	7/1/2010	3/1/2010	3/1/2007	7/1/1999	5/1/2016	12/1/2016
	- -	<b>4</b> 5	413	¥ 9	800	807	531	64	190	38	7462	856	2 6	200	\$190	552	9440	8478	- F	945	190	8 8	257	179	7 65	283	86	295	500	500	544	80 3	9 29	16	232	8 8	583	590	392	101	535	95	348	\$360,244	16	100	. E	333	57.5	15	197	S F0	216	595	513	473	8178	282	8	§ 20
	Total Spr	S2.69	\$2,78	\$7,773,544	3	8118,108	83	\$2.24	1976/2005	STS	\$427,462	824	SI,18	\$526,002	83,86	SS 24	\$1.25	SZ	8 6	8516	848	10,12	S1.57c	\$2,116	200 10	83	\$25	98 3	51.91	852	S31	81,08	81,48	SSI	8200	S 25.72	868	828	SIS	ž	815	SI,100	SIS	836	888	S1,19	827	87,411	2 23	28,900	\$2,010	S2.98	\$1,05	\$1,155,595	\$4.48	\$361,473	SUS SS-405642	\$2,328,852	S22	N 141,88
	Bill Pool	G012	G002	G012	G002	G012	G012	C310	6198	C310	C310	6220	0.002	G012	C225	0.000	G012	C310	2007	G012	GID9	0000	G 198	G284	GBS	0.08	G 198	0230	GBS	6007	G012	G750	280	G012	G012	C 200	G012	G012	GZZ2	G284	G259	G B8	G220	6198	GBS	C384	G012	G284	G BS4	C284	G012	G239	G284	G186	GOIZ	G012	G227	G230	G012	COD COD
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	Vork Order	9000104652	90000104647	90000107546	300011786	9000104653	90000097842	TXFER00099	90000106247	TXFER00099	TXFER00099	0115010006	2000010572	90000104114	TXFER00099	30000093166	8829600006	TXFER00099	SUCCOMESCO	68296000006	90000098664	900009352	300011600	6811010006	9000004180	30000104116	90000104179	90000104101	90000104123	900010000	900009683	90000112170	200001271	30000104115	90000104109	3000108449	900009674	900009675	90000105793	0000100006	9000100051	9000104122	90000105795	900009630	90000103451	90000104059	9000104080	90000104186	90000104185	900010008	9000009873	90000104060 TXFER00099	9000104188	189600006	90000103450	58596000006	TXFER0009	TXFER00099	51905100006	90000161831
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	NVP#		USF	ESI)	ISI.	TISE	183	N/A	230	38	265	148	. S	163	311	34.	N/A	12.5	żź	N/N	860	żź	N/N	N.	1242 N.O	N/N	124	122	DECL	139	82	Ň	ž×	50	N.	ž X	N/N	(SI)	N E	Ň	N/N	SHOR	N/N	124:	N.	Ñ.	2 2	Ñ	žž	N.	N.	ž ž	N.	N N	N. N.	. N	N N	N/s	292	( 2

IIIVESIMEIR NAME FINANCE STREAM - DESIGN CAPEX	CAPEX	Description FINANCESTREAM - DESKIN CAPEX - Capit alized Software
USFP - Controls & Roles-DD		USPP - Controls & Robes-DD - Capitalized Software
USFP-Controls & Roles -R 1		Capitalized Software-USFP-Controls & Robs -R1
US FP Test Procure		USFP Test Procure Capitalized Software
USTP Test HR		USPP Test HR Capitalized Software
DESKIN AUTH - DESKIN CAPEX	EX	DESKIN ALITH - DESKIN CAPEX - Canitalized Software
PMO TEAM - DESIGN CAPEX		PMO TEAM - DESIGN CAPEX - Capitalized Software
IXFER00099		FDC Enhancement (work order#8K008002108)
N 2330 ETR M Repl Nucleus-Gas Benef	ts Benef	Cap Software 17 2330 E1RM Repl Nucleus-Gas Benef
IXFER00099		IN 2992MA GAS SINGLE BILL (Work order #8K008002315)
IXFER00099		IN 2652MA GAS RATECASE: CRIS (Work order#8K000002305)
N 1488-Remote Access to Fault R EC	REC	Capitalized Software
KP1 Reporting Tool		KPI Reporting Tool
IN 1656-CUST-Systems Agent desktop	sktop	IN1656-CUST-Systems Agent desktop
IN 16/1-US fransaction DEL HUB	IB	IN 16/1-US fram saction DEL HUB
IAPERLUSS (CILS)	-	IN 1182 UAS I RANSPURI IS 15 (WORK GROEF # SKURMULSUL)
IN 1462-ACD LEGS PERM MOSE	conci	Capitalized Software Son discount CES Brown in 4 Ourseands
Defense (med AD & Shorthing	1	Designation of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Comm
IXFER (2009)	î	IN 1299 Contact On Consol Owner only
Desktop (refresh)		Desktop (refersh)
Data Center Rationalization		Data Center Bation alization
CDH Acet Initiation		CDH Acct Initiation
N 0900E - FiSery Solutions		IN 0980E - FiSery Solutions
US-NG Global Intranet Design CAPEX	SAPEX	US-NG Global Intranet Design CAPEX
Cascade Phase II project 2 of 2		Cascade Phase II project 2 of 2
Cascade Phase II project 1 of 2		Cascade Phase II project 1 of 2
UHF Spectrum Punchase Project		UHF Spectrum Purchase Project
NVP 124ZTB - KP1 Metrics		INVP 1242TB - KP1 Metrics
Video Conferencing		Vidoo Conferencing
IBCR D011-Wholesale Re-Des		JBCRD01I-Who leads Re-Des
NVP 1242 - DECUSOS		INVP 1242 - DECUSOS
NVP 1224		INVP 1224
DECUSOS-Autom for Ming Roq		DECUSOS-Autom for Ming Req
WCOR09- AVLS Integration		WCOR09 - AVLS Integration
INVP1591		INVESSI CONTRACTOR
INURES Security Enhance Project	- 6	INOS23 Security Establica Proper
NE NY IVE Producement Bross IVA BA	TANDED	NEAR NY TO Be processed floor BAIMO
Combine Meter Pending Postes	CIVILLIA	Combine Motor Perdies Posts
N0309-SCM-ENGAGE VENDOR	80	INGOOS CALENCACE VENDOR
NVP N/A-Talent Management		INVP N/A-Takin Management
LIMZEMA Project		LIM/ZEMA Project
FFA(NIMO)		FFA(NIMO)
S&M Data Wardto use Expansion	ø	S&M Data Warehouse Expunsion
Plan & Perf for Exec & US De-		Plan & Porf for Exec & US Dir
INVP2391-Implement UI Planner-CAPEX	r-CAPEX	INVP2391-Implement UI Planner-CAPEX
Control Center Dispatch Radio (BL)	BI.)	Contro I Center Dispatch Radio (BL)
GIS Project (Bankers Lease)		GIS Project (Bankers Lease)
ACIS Project (Banker's lease)		ACIS Project (Banker's lease)
SP01-Integrated Strat Plan		ISPO1-Integrated Stratt Plan
SHORTOt-Prima P6 Upgrade		SHORTO4-Prima P6 Upgrade
IGM (formerly Bankers Lease)		TOM (formerly Bankers Lease)
N 1242D-ISP-Integrated Stat Plan	an	Capitalized Software
Alminis Project - Bill Pool 233		AMMS TOKK - Bill root 255
WR Project Work		IVP Project Work
N 1588-21st Cent. FOR SYRACUSENB	USENB	IN 1588-21st Cent. FOR SYRACUSE/NB
INVP 1401		INVP 1401
WO for Capital Chas-IFA		WO for Capital Chas-FFA
Bak Lease W MAF Optic Proj		Balk Lease W MA F Optic Proj
AIMMS Project - Bill Pool 231		AIMMS Project - Bill Pool 231
CIS Consolidation		CIS Consolidation
Web Initiatives FY09 - Phase 1		Web Initiatives FY09 - Phase 1
NVP 0845		INVP 0845
IXFER00699		GAS SCADA Upgrade/Moderniae
OMS-Capital - Bill Pool 252		OMS-Capital -Bill Fool 252
INN/A-NERC CIP Compliance		INN/A-NERC CIP Compliance
Cascade Phase I project 1 of 2		Cascade masse I project I of 2 Bill Pool 225
Contact Contons Call Reconfine		Contact Contest Call Recording
XFER00099		BUS TRANS - WIRES & PIPES - CAPITAL
IXHER 00099		HRBENIETIS
TXFERO0099		DATA WAREHOUSE
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For the Data Year ended March 31, 2021																	
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Line Investment Name	Description	INVP# Work Order	r NMPC	Bill Pool	FY21 Total Spend	In Service Date	Period	4/1/2020 Balance	3/31/2021 Balance	Average Balance	Renum /	Allocation	NIMO E Rent-Rotum	NIMO ERent - Depn	Allocation	NIMO TRent-Return	NIMOT Rent - Depn
231 INVP 3614G1 - US Reference Security	INVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)	3614 9000017	0693 YES	0000	893939	12/1/2016	88	\$49,206	835,786	\$42,496	7.9910%	17.76%	452	S 2383	81139	\$ 155	S 820
232 INVP 3896 SMI Conversion Mobilizari	INVP 3896 SMI Convension Mobilization (Athena)	3896 900015	3520 YES	GODO	\$3,095,820	12/1/2016	26	\$1,621,620	SI,179,360	\$1,400,490	7.9910%	17.76%	14,800	S 78545	6.11%	\$ 5.123	S 27,022
233 INVP 4224- HANA	INVP 4224 - High Perform an ce Analytics Appliance (HANA)	USFP 900017	0043 YES		\$637,905	12/1/2016	120	\$425,270	\$361,480	\$393,775	7.9910%	17.76%	4,149	s 11,329	61136	S 1,427	S 3,898
234 INVP 3922 - Access Violation Mgmt	IN VP 3922 - Access Violation Management	USFP 9000174035	KES YES	G012	\$2,749,134	12/1/2016	120	\$1,832,756	\$1,557,843	81,695,299	7.9910%	17.76%	17,882	\$ 48,825	6.11%	\$ 6.152	S 16,797
235 Finance Remediation FY 16 Capital	Finance Remediation FY 16 Capital	USFP 900017205	3054 YES	G002	\$1,858,401	12/1/2016	120	Sl,238,934	SI,053,094	\$1,146,014	7.9910%	17.76%	12,088	S 33,005	6.11%	\$ 4159	S 11,355
236 INVP 3614C1 - US End User Initiated	INVP 3614C1 - US End User Inkined Secure Fib., Email Transfer (Full) (Cyber Security)	3614 9000017069	0691 YES	0000	081898	12/1/2016	8	\$35,713	\$25,973	\$30,843	7.9910%	17,76%	308	s 1,730	6.11%	\$ 113	\$ 505
237 INVPS614AI IAM Ph2:Mentity Adminis	INVP3614A11AM Ph2:4dentity Administration (Cyber Security)	3614A 9000014I707	.DO7 YES	GODO	\$2,647,721	12/1/2016	28	SI,386,902	SI,0008,656	SI,197,779	7.9910%	17,76%	12,735	S 67,176	6.11%	S 4381	S 23,111
238 INVP 3915 - Annual HR & Payoll SP	INVP 3915 - Annual HR. & Paywo BMandatory Service Pack Upgrade (HRSP)	USFP 900017845;		G002	\$803,788		120	8838,889	\$455,480	\$495,669	7.9910%	17,76%	5,228	S 14,275	6.11%	s 1,799	\$ 4,911
239 INVP 4223 - US SAP BOE Update	INVP 4223 - US SAP Annual Business Objects Environment (BOE) Update	USFP 900017404	6041 YES	G002	ST23292	12/1/2016	120	\$482,195	\$409,866	S446,030	7.9910%	17,76%	4,705	S 12846	6.11%	S 1619	S 4,419
240 INVP 4218 - Blanket Work Order	INVP 4218 - Blanker Work Order	USFP 90000178859	3859 YES	G002	\$2,393,826		120	\$1,595,884	\$1,356,501	\$1,476,193	7.9910%	17,76%	15,570	\$ 42,514	91139	\$ 5,357	s
241 INVP 3882 - NYS Pipeline Safety CMS	NYS Pipoline Sakey CMS Regulatory Compliance	3882 900016183	1831 YES	G207	81,480,189	12/1/2016	88	5775,337	\$563,881	800,000	7.9910%	9000			90000		
242 INVP 4225 - Ancillary SAP Apps	INVP 4225 - Ameilary SAP Application Updates	USFP 90000176046	9046 YES	G002	\$426,099	12/1/2016	120	\$284,066	\$241,456	\$262,761	7.9910%	17,76%	2,772	\$ 7,568	8 6.11%	\$ 953	s
243 INVP 4219 - PowerPlan Upgrade	INVP 4219 - PowerPlun Uggrade	USFP 90000176040	0040 YES	G002	\$1,250,841	12/1/2016	120	\$833,894	\$708,810	\$771,352	7.9910%	17.76%	8,136	\$ 22,215	811%	\$ 2799	s
244 INVP 4263 - US Web Authentication	INVP 4263 - US Web Authentication Upgrade (Full)	4263 90000170290	0000 YES	-	\$306947	12/1/2016	8	\$160,782	\$116,982	\$138,857	7.9910%	17,76%	1,476	s 7,788	8 6.11%	\$ 508	\$ 2,679
245 INVP 3614E3 SIEM 2	INVP 3614E3 SIEM 2 (Cyber Socurity)	3614 9000014175		-	\$2,171,757	12/1/2016	35	SI,137,587	\$827,336	8982,461	7.9910%	17.76%	10,446	\$ 55,101	6.11%	\$ 3.594	81 S
246 USFPR3 Payroll	USFP R3 Payroll part of USSC-12-333	USFP 90000142385			\$16,772	12/1/2016	120	\$11,181	59,504	\$10,343	7.9910%	17,76%	601	S 298	8 6.11%	\$ 38	S 102
24.7 INVD 2439. VeTIC Das decide lacross	INVESTIGATION FOR THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY	2529 00000 5255	30AA 700	CODO	(8771637	21001001	-	S	S	S	7.001002	17760	344		6.1102	3 27 3	

Niagara Mohawk Power Corporation d'bb'a National Grid IS Capital Investment Cost Incentive For the Rate Years Ending March 31, 2019, March 31, 2020, and March 31, 2021

			Allocation	Allocation to	Full Sanction	10% Threshold	Assumed Actuals	Difference from	Electric Portion to be
Investment Name	INVP	Work Order	Code	NMPC-E	Estimate*	for Incentive	upon Project Closure*	Sanctioned Amount	Shared
Green Button Connect	4704C	N/A	C113	73%	\$3,072,759	\$2,765,483	\$ 2,500,000	\$ (572,759)	\$ (417,599)
					\$3,072,759	\$2,765,483	\$2,500,000	(\$572,759)	(\$417,599)

417,599 83,520

**∻ ∻** 

Total Electric CAPEX savings reflected in rent expense 20% of CAPEX savings recorded as a regulatory asset

"The Company will share in any efficiency savings on capital costs to the extent actual capital costs upon project closure, are less than the full sanction expert to project closure, are less than the full sanction extra containing the actual capital costs is identified as "Closure" in the "Sanction Project closure sanction paper containing the actual capital costs is identified as "Closure" in the "Sanction Type" field of the sanction paper. The full sanction paper containing the full sanction estimate for the project is identified as "Sanction" ("atthet than "Partal" or "Re-Sanction") in the "Sanction Type" field on the sanction paper. For purpose of the Green Button Connect project, the incentive is based on the forecast of capital costs reflected in Niagara Mohawk's revenue requirement.

# Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of LED EE Conversion Program (\$000's)

# **EXAMPLE**

		lectric Year One	lectric Year Two	lectric Year Three
1	Actual Expense	\$ 3,500	\$ 3,200	\$ 1,400
2	Percentage of LEDs Converted	 20%	 11%	 9%
3	Amount Deferred	\$ 1,600	\$ 291	\$ 

Note: The LED EE Conversion Program upward deferral is capped at \$1.6 million in each rate year.

- 1 Input Actual Costs
- 2 Percentage of LED conversions supported by EE program funding
- 3 Minimum of Line 1 divided by Line 2 times (Line 2 less 10%) or Line 1 less \$1.6 million; upward-only deferral, capped at \$1.6M

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Electric Efficiency Transition Implementation Plan ("ETIP") (\$000's)

ELE	CTRIC EXAMPLE 1					
			Electric e Year One		Electric Year Two	Electric Year Three
		-	o rear one	ruic	Tour Two	Tear Times
1	Actual Expense	\$	50,000	\$	52,000	\$ 51,700
2	Rate Allowance	\$	53,058	\$	53,058	\$ 53,058
3	Difference	\$	3,058	\$	1,058	\$ 1,358
4	3 Year Cumulative Actuals	\$	153,700			
5	3 Year Cumulative Rate Allowance	\$	159,174			
6	Difference - underspend / (overspend)	\$	5,474			
7	Deferral - Due to Customers	\$	5,474			
ELE	CTRIC EXAMPLE 2					
			Electric e Year One		Electric Year Two	Electric Year Three
1	Actual Expense	\$	53,000	\$	54,000	\$ 53,050
2	Rate Allowance	\$	53,058	\$	53,058	\$ 53,058
3	Difference	\$	58	\$	(942)	\$ 8
4	3 Year Cumulative Actuals	\$	160,050			
5	3 Year Cumulative Rate Allowance	\$	159,174			
6	Difference - underspend / (overspend)	\$	(876)			

\$

The Company will continue to be afforded the flexibility to shift funds within the respective electric and gas ETIP portfolio of programs. St Lighting LED EE of \$1.6M is included in the ETIP rate allowance above

#### Notes (by line number)

Deferral

7

- 1 Input Actual Costs
- Per Case No. 15-M-0252; See Joint Proposal Section 13.2.3
- 3 Line 2 less Line 1
- 4 Sum Line 1 for Rate Years 1-3
- 5 Sum Line 2 for Rate Years 1-3
- 6 Line 5 less Line 4
- 7 If cumulative actual costs for Rate Years 1-3 are less than cumulative rate allowances for same period, then Deferral Credit to Customer will be equal to the cumulative amount underspent. If actual costs exceed the cumulative rate allowance for Rate Years 1-3, there will be no Deferral.

#### 'Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Electric Deferrals Available to Mitigate for Electric Rate Base Regulatory Assets & Liabilities (\$000's)

Deferral Account	Forecast Deferral Balance at 3/31/18 (in millions)	Staff Acctg Panel Adjustments	Adjusted Forecast Deferral Balance at 3/31/18 (in millions)	Percent	Rate Year One Credit Allocation \$ 116.9160	Rate Year Two Credit Allocation \$ 59.2950	Rate Year Three Credit Allocation \$ 19.4600	Forecast Deferral Balance at end of Rate Year 3 (in millions)
RRP Testimony Table 8 Electric Deferrals								
OPEB Expense Deferred – Electric	\$ (54.976)		\$ (54.976		\$ 22.865			,
Pension Expense Deferred – Electric	34.178		34.178		(14.215)	(7.209)	(2.366)	10.388
Internal Reserve Carrying Charges	(50.829)		(50.829		21.140	10.721	3.519	(15.449)
Storm Restoration Costs	(45.950)		(45.950		19.111	9.692	3.181	(13.966)
Auction Debt True Up – Electric	(58.617)		(58.617		24.379	12.364	4.058	(17.816)
Dunkirk and Other Reliability Support Services Costs	57.000		57.000		(23.707)	(12.023)	(3.946)	17.324
Site Investigation and Remediation Expense – Electric	(64.412)		(64.412		26.789	13.586	4.459	(19.577)
Capital Tracker – Case 12-E-0201 (FY14-16)	(16.682)		(16.682	,	6.938	3.519	1.155	(5.070)
Net Utility Plant and Depreciation Expense Reconciliation Mechanism - Electric Distribution	75.704		75.704		(31.486)	(15.968)	(5.241)	23.009
Electric Community Carrying Charges	(32.849)		(32.849		13.662	6.929	2.274	(9.984)
Vegetation Management Deferral	16.159		16.159		(6.721)	(3.408)	(1.119)	4.911
Electric Customer Service Penalties	(13.329)		(13.329		5.544	2.811	0.923	(4.051)
Elevated Voltage Testing Deferral	(15.288)		(15.288		6.358	3.225	1.058	(4.647)
Property Tax Deferral – Electric	5.751		5.751	-2.05%	(2.392)	(1.213)	(0.398)	1.748
Diana-Dolgeville Settlement	(3.500)		(3.500		1.456	0.738	0.242	(1.064)
Deferral Summary – Case 10-E – 0050 *	3.149		3.149		(1.310)	(0.664)	(0.218)	0.957
Bonus Depreciation Adjustment – Electric – Case 15-M-0744	(9.699)		(9.699		4.034	2.046	0.671	(2.948)
Generation Stranded Cost Adjustment	(2.759)		(2.759)		1.147	0.582	0.191	(0.839)
NYPA Discount Reconciliation Deferral	(1.401)		(1.401)		0.583	0.296	0.097	(0.426)
Curtailment - Electric	(0.293)		(0.293		0.122	0.062	0.020	(0.089)
REV Demonstration Project Costs	3.283		3.283		(1.365)	(0.692)	(0.227)	0.998
Transmission Footer Inspection Deferral	(0.400)		(0.400		0.166	0.084	0.028	(0.122)
Sub-Transmission Footer Inspection Deferral	(0.114)		(0.114		0.047	0.024	0.008	(0.035)
Transmission Tower Painting Deferral	(0.032)		(0.032		0.013	0.007	0.002	(0.010)
Sub-Transmission Tower Painting Deferral	(1.188)		(1.188	0.42%	0.494	0.251	0.082	(0.361)
Consumer Service Advocate	(0.090)		(0.090		0.037	0.019	0.006	(0.027)
Hydro One Network	(2.020)		(2.020	0.72%	0.840	0.426	0.140	(0.614)
LED Street Lighting Conversion Program	3.192	(3.192)	-	0.00%	-	-	-	3.192
Emerald Ash Borer Beetle Tree Removal Deferral	11.667	(11.667)	-	0.00%	-	-	-	11.667
Rate Case Expense - Electric	2.241	(2.241)	-	0.00%	-	-	-	2.241
NYPA Expansion and Replacement Power	(4.928)		(4.928	) 1.75%	2.050	1.039	0.341	(1.498)
NYS Sales Tax Refund - Electric	(0.864)		(0.864		0.359	0.182	0.060	(0.263)
Voltage Migration Fee	(0.011)		(0.011	0.00%	0.005	0.002	0.001	(0.003)
Proceeds on Sale of Allow – Albany	(1.770)		(1.770	0.63%	0.736	0.373	0.123	(0.538)
Clean Air Act Auction Proceeds – Roseton	(0.167)		(0.167	0.06%	0.069	0.035	0.012	(0.051)
Economic Development Fund Program - Electric	(94.167)		(94.167		39.165	19.863	6.519	(28.621)
AffordAbility Program - Electric	(3.245)	3.245	-	0.00%	-	-	-	(3.245)
Electric Deferral Accounts Available to Mitigate Rate Increase	\$ (267.256)	\$ (13.855)	\$ (281.111	) 100.00%	\$ 116.9160	\$ 59.2950	\$ 19.4600	\$ (71.5850)

# APPENDIX 6

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Forecast Balances of Gas Rate Base Regulatory Assets & Liabilities For the Rate Year Ending March 31, 2019 (S000's)

<u>Activity</u>	<u>Description</u>	Avg Bal HYE 12/31/2016	Actua Balance 12/31/20	at	Fore Balar <u>3/31/</u>	ice at	Mechanism Ongoing/ <u>Discontinued</u>	Carrying <u>Charges</u>
Regulatory	Assets & Liabilities with Proposed Surchar	ge with No Interest EX	CLUDED fi	om Rat	te Base			
1823253	Pens Exp Defrd-El	\$ 7,737		,001		12,668	Ongoing	None
1823254	OPEB Exp Defrd-El	819		,167		4,224	Ongoing	None
Total of Acc	counts w/ Recovery but NOT in Rate Base	\$ 8,556	\$ 10	,168	\$	16,892		
	Assets & Liabilities with Proposed Surcharg							
1823049	Deferred Gas Costs	\$ 2,616	\$ 23	,922	\$	23,922	Ongoing	N/A
1823076	TAC Imbalance Surcha	74	,	- 221		2 221	Ongoing	N/A Yes - Pre-Tax WACO
1823085 1823195	Medicare Act tax RDM Rev Decoupling	3,231 254		,231 ,675		3,231 1,675	Discontinued Ongoing	Yes - Pre-Tax WACC
1823202	GAC SC/Ref Adj Def	3,301	1	-,073		-	Ongoing	N/A
1823233	80/20 Rev Sharg Mech	613		_		_	Ongoing	Yes - Pre-Tax WACC
1823263	Incent Return	34		34		34	Discontinued	Yes - Pre-Tax WACC
1823274	Low Income Program	205		-		-	Ongoing	Yes - Pre-Tax WACC
1823729	MFC - Imbalance	4		-		-	Ongoing	Yes - Pre-Tax WACC
1823731	Sys Perf Adj (SPA)	2,281	1	,609		1,609	Ongoing	Yes - Pre-Tax WACC
1823755	Oil to Gas Conversion	905		905		1,387	Ongoing	Yes - Pre-Tax WACC
2540009	Int Pipeline Refund	(0)		-		-	Discontinued	N/A
2540051	Pipeline Refunds	(5)		(0)		(0)	Discontinued	Yes - Pre-Tax WACC
2540053	GAC Imbalance Refund	(12,564)	(5	,763)		(5,763)	Ongoing	N/A
2540075	Temp Assessmnt 18-A	0		(01)		- (01)	Discontinued	Yes - Pre-Tax WACC
2540076 2540160	TAC Imbalance Refund	(12)	(2	(91)		(91)	Ongoing	Yes - Pre-Tax WACC
2540160	EE Surcharge-Gas Cap Tracker-Gas	(2,157) (5,693)		,521)		(2,521)	Ongoing	Yes - Pre-Tax WACC Yes - Pre-Tax WACC
2540232	Low Income Program	(203)		,180) (946)		(6,180) (3,015)	Ongoing Ongoing	Yes - Pre-Tax WACC
2540274	OffSys Sales-Profit	(275)		,560)		(1,560)	Ongoing	Yes - Pre-Tax WACC
2540507	Oth Reg Asts	(69)	(1	(69)		(69)	Discontinued	Yes - Pre-Tax WACC
2540509	NIMO-Gas Net REVMech	(591)		(821)		(821)	Ongoing	Yes - Pre-Tax WACC
2540512	NIMO-GAS NON-CORE Re	(2,014)		-		-	Ongoing	Yes - Pre-Tax WACC
2540514	NIMO-GAS CONTINGENCY	(407)		(407)		(407)	Ongoing	Yes - Pre-Tax WACC
2540517	NIMO-Gas Customer Sr	(18,080)	(19	,955)	(	19,955)	Ongoing	Yes - Pre-Tax WACC
2540520	NIMO-Loss on Sale of	(0)		(0)		(0)	Discontinued	Yes - Pre-Tax WACC
2540536	NIMO-Mrcht Func Chrg	(135)		(81)		(81)	Ongoing	Yes - Pre-Tax WACC
2540537	SIR Expend Defrd-Gas	(5,515)	(6	,699)		(9,969)	Ongoing	Yes - Pre-Tax WACC
2540542	GAC Surc/Ref Adj Def	(828)		-		-	Ongoing	N/A
2540547	NYS Sales Tax Refund	(336)		(336)		(336)	Discontinued	Yes - Pre-Tax WACC
2540551 2540553	GRT Customer Refund Gas Millennium Fund	(15) (827)		(15)		(15) 453	Discontinued Ongoing	Yes - Pre-Tax WACC Yes - Pre-Tax WACC
2540559	Bonus Dep Adj Gas	(32)		(476) (349)		(1,313)	Discontinued	Yes - Pre-Tax WACC
2540570	NIMO-KS Merger Savin	(63)		(63)		(63)	Discontinued	Yes - Pre-Tax WACC
2540573	RDM Rev Decoupling	(3,266)		-		-	Ongoing	Yes - Pre-Tax WACC
2540575	NIMO-Long Term Debt	(14,594)	(16	,568)	(	19,762)	Ongoing	Yes - Pre-Tax WACC
2540577	NIMO-Federal Tax Ref	(3,723)		,723)		(3,723)	Discontinued	Yes - Pre-Tax WACC
2540578	Curtailment	(23)		(23)		(23)	Discontinued	Yes - Pre-Tax WACC
2540603	NMPC - 18 A Ass. Gas	(1,642)	(1	,249)		(1,249)	Discontinued	Yes - Pre-Tax WACC
2540605	Misc Penalties	(443)		(443)		(443)	Discontinued	Yes - Pre-Tax WACC
2540606	Case 08-G-0609 JP Am	(2,896)		,896)		(2,896)	Discontinued	Yes - Pre-Tax WACC
2540615	NUPD-Mec-G-15-M-0744	1,278		,369		22,958	Ongoing	Yes - Pre-Tax WACC
2540703	Economic Development	(4,010)		,916)		(8,090)	Ongoing	Yes - Pre-Tax WACC
2540704	Economic Develop Gra	(2,357)		,805)		(2,555)	Ongoing	Yes - Pre-Tax WACC
2540706	AffordAbility Program	(177)		(281)	,	(651)	Discontinued	Yes - Pre-Tax WACC
2540710	Property Tax Exp Def	(8,518)		,142)	(	11,973)	Ongoing	Yes - Pre-Tax WACC
2540712 2540719	Variable Pay Deferra FIT Repair Cost - Ga	(429)		(431) ,113)		(431)	Ongoing Discontinued	Yes - Pre-Tax WACC Yes - Pre-Tax WACC
2540719	MFC - Imbalance	(30,113) (164)	(30	(84)	(	30,113) (84)	Ongoing	Yes - Pre-Tax WACC
2540729	NMPC Gas CC Chrg Def	(12,411)	(15	,223)	(	23,732)	Ongoing	N/A
2540736	CEF Def-Gas	(8,128)		,089)	,	(9,089)	Ongoing	Yes - Pre-Tax WACO
2540539	NIMO-Enhanced SBC Pr	(2,314)	(>	-		-	Ongoing	Yes - Pre-Tax WACO
2540731	Sys Perf Adj (SPA)	(29)		(696)		(696)	Ongoing	Yes - Pre-Tax WACC
2540727	Bonus Dep Adjustment	(1)		(22)		(22)	Discontinued	Yes - Pre-Tax WACC
	counts w/ Recovery but NOT in Rate Base unts included in Surcharge	\$ (130,262.93)	\$ (107,28	9.77)		420.92) 529.34)		

<sup>\* -</sup> The accounts identified as "Discontinued" will be discontinued as of the Effective Date. The discontinuance of these accounts is not intended to preclude the Company from returning to or recovering from customers the balances as of March 31, 2018 plus any applicable carrying charges.

The program is closed to new customers and is gradually being phased out for existing customers. As set forth in Section 13.1 of the Joint Proposal, the Company will continue to defer costs associated with the Affordability program until existing customers complete, default, or voluntarily remove themselves from the program.

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Forecast Balances of Gas Rate Base Regulatory Assets & Liabilities For the Rate Year Ending March 31, 2019 (\$000's)

<u>Activity</u>	<u>Description</u>		Avg Bal 12/31/2016	В	Actual alance at 4/31/2016	Ва	Forecast alance at 31/2018	Mechanism Ongoing/ <u>Discontinued</u>	Carrying Charges
	ulatory Assets & Liabilities Included in Rate B								
1823024	Enhanced Syrnce Plan	\$	0.00	\$	-	\$	-	Discontinued	None
1823251	Mergr Emp Sepn costs		(0)		(0)		(0)	Discontinued	None
1823708	Rate Case Exp 17-G-0		(4)		-		426	Ongoing	None
2540095	RPS Progm Cost Def		-		-		-	Ongoing	None
2540516	Env Ins Revries Net		60		-		-	Discontinued	None
1823XXX	Management Audit Amort				-		64	Ongoing	None
Subtotal Ot	her Reg. Assets in Rate Base	\$	56	\$	(0)	\$	490		
Other Regi	ulatory Assets & Liabilities Excluded from Rat	e Base							
1823005	EnviroSIR Rsrv Offst	\$	56,081	\$	56,350	\$	56,350	Ongoing	N/A
1823043	Asset Ret Obligation		7,123		7,763		7,763	Ongoing	N/A
1823070	Gas Futures-Gas Sply		3,316		1,483		1,483	Ongoing	N/A
1823158	FAS158-Pension		27,304		24,215		24,215	Ongoing	N/A
1823159	FAS158-OPEB		51,576		45,852		45,852	Ongoing	N/A
1823250	Pen/FAS106 Purch		0		-		-	Discontinued	N/A
2540546	OPEB Exp Def-Gas		-		-		-	Ongoing	N/A
2540569	Gas Futures-Gas Sply		(1,167)		(6,224)		(6,224)	Ongoing	N/A
2540007	GAS Refund		(403)		(403)		(403)	Ongoing	N/A
Total of Ac	counts w/ Recovery but NOT in Rate Base	\$	143,829	\$	129,036	\$	129,036		
Other Asse	ets & Liabilities Included in Rate Base								
1730010	Unbilled Rev Gas	\$	17,433	\$	15,699	\$	15,699	Ongoing	None
1810000	Unamortized Debt Exp		3,502		3,323		2,870	Ongoing	None
1890000	UnamorLoss Rac Debt		1,850		1,708		1,405	Ongoing	None
2540511	NIMO-ACCRUED UNBILLE		(16,100)		(17,992)		(17,992)	Ongoing	None
Subtotal Ot	her Reg. Liabilities in Rate Base	\$	6,685	\$	2,736	\$	1,982		
Net Reg As	ssets & Liabilities Included in Rate Base	\$	6,742	\$	2,736	\$	2,471		

<sup>\* -</sup> The accounts identified as "Discontinued" will be discontinued as of the Effective Date. The discontinuance of these accounts is not intended to preclude the Company from returning to or recovering from customers the balances as of March 31, 2013 plus any applicable carrying charges.

# Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Example of Carrying Charges on Deferrals (\$000's)

(d)

(2,110.00)

(1,663.18)

(1,266.00)

(943.29)

(707.47) (17,239.93) (e)

(380,000.00)

(290,000.00)

(220,000.00)

(160,000.00)

(125,000.00)

(c)

#### **GAS EXAMPLE**

(a)

(470,000.00)

(380,000.00)

(290,000.00)

(220,000.00)

(160,000.00)

<u>Month</u>	Beginning <u>Balance</u>	Spending in Excess of <u>Threshold</u>	Interest Rate 8.07%	<u>Interest</u>	Ending Balance
Apr-18	-	(100,000.00)	0.67%	(248.24)	(100,000.00)
May-18	(100,000.00)	(75,000.00)	0.67%	(682.65)	(175,000.00)
Jun-18	(175,000.00)	(120,000.00)	0.67%	(1,166.71)	(295,000.00)
Jul-18	(295,000.00)	(80,000.00)	0.67%	(1,663.18)	(375,000.00)
Aug-18	(375,000.00)	(70,000.00)	0.67%	(2,035.53)	(445,000.00)
Sep-18	(445,000.00)	(55,000.00)	0.67%	(2,345.82)	(500,000.00)
Oct-18	(500,000.00)	30,000.00	0.67%	(2,407.88)	(470,000.00)

90,000.00

90,000.00

70,000.00

60,000.00

35,000.00

(b)

**Column Notes:** 

Nov-18

Dec-18

Jan-19

Feb-19

Mar-19

Column (a)	Prior month Column (e)
Column (b)	Actual monthly deferred spending
Column (c)	Pre-Tax WACC divided by 12
Column (d)	Column (c) times (Column (a) + Column (b) $/ 2$ ) * 73.8650%
Column (e)	Column (a) + Column (b) - NOTE interest will be booked it a separate deferral account with interest

**Note:** This example calculation is for a deferral that carrying charges can be calculated monthly. Some carrying charges will be applied on an annual basis and would use the annual carrying charge rate.

0.67%

0.67%

0.67%

0.67%

0.67%

# Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Gas Pension and OPEB Expense (\$000's)

# **GAS PENSION EXAMPLE**

		 S Pension Year One	 Pension Year Two	 Pension Year Three
1	Actual Expense	\$ 8,000	\$ 1,500	\$ 1,000
2	Rate Allowance	\$ 6,383	\$ 1,852	\$ 311
3	Amount Deferred to (from) customers	\$ (1,617)	\$ 352	\$ (689)

# Notes (by line number)

- 1 Actual expense calculated in accordance with Appendix 9
- 2 Forecasted Rate Year expense. See Page 2 of 2, Line 5
- 3 Line 2 less Line 1

# **GAS OPEB EXAMPLE**

		 s OPEB Year One	 s OPEB Year Two	 s OPEB Year Three
4	Actual Expense	\$ 3,000	\$ 2,500	\$ 2,000
5	Rate Allowance	\$ 3,424	\$ 2,335	\$ 630
6	Amount Deferred to (from) customers	\$ 424	\$ (165)	\$ (1,370)

- 4 Actual expense calculated in accordance with Appendix 9
- 5 Forecasted Rate Year expense. See Page 2 of 2, Line 11
- 6 Line 5 less Line 4

Case 17-E-0238 & 17-G-0239
Appendix 6
Schedule 3
Page 2 of 2

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Pension & OPEB Expense
(\$000's)

		Rate Year E	Rate Year Ending March 31, 2019	31, 2019	Data Year E	Data Year Ending March 31, 2020	1, 2020	Data Year E	Data Year Ending March 31, 2021	1, 2021
		Total	Electric	Gas	Total	Electric	Gas	Total	Electric	Gas
Pension										
	Term Sheet (Sched 16)	38,688.44	32,498.3	6,190.2	8.069,6	8,140.2	1,550.5	ı	ı	ı
	Other Initiatives (Sched 27)	580.87	388.5	192.4	864.7	563.5	301.2	978.5	9.799	310.9
	OPEX Assoc with CAPEX (Sched 27)	298.07	298.1		147.9	147.9	,	7.97	7.97	,
	Total	39,567.4	33,184.8	6,382.5	10,703.3	8,851.6	1,851.7	1,055.2	744.3	310.9
OPEB										
	Term Sheet (Sched 11)	19,860.2	16,682.5	3,177.6	12,180.6	10,231.7	1,948.9	1,451.3	1,219.1	232.2
	Other Initiatives (Sched 27)	744.2	497.7	246.5	1,107.7	721.9	385.8	1,253.6	855.3	398.3
	OPEX Assoc with CAPEX (Sched 27)	410.3	410.3	1	213.7	213.7	ı	103.4	103.4	ı
		21,014.7	17,590.6	3,424.1	13,502.1	11,167.3	2,334.7	2,808.3	2,177.8	630.5

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Gas Energy Affordability Discount Program (\$000's)

#### GAS EXAMPLE 1

	EAAMI LE I	Rate	Gas Year One	Rate	Gas Year Two	Rate	Gas Year Three
1	Actual Discounts Provided	\$	15,200	\$	15,100	\$	14,700
2	Amount of Discounts in Rate Allowance	\$	14,905	\$	14,905	\$	14,905
3	Difference	\$	(295)	\$	(195)	\$	205
4	3 Year Cumulative Actual Discounts Provided	\$	45,000				
5	3 Year Cumulative Rate Allowance	\$	44,716				
6	Difference - underspend / (overspend)	\$	(284)				
7	Deferral for future recovery from Customers	\$	(284)				
GAS	EXAMPLE 2	Rate	Gas Year One	Rate	Gas Year Two	Rate	Gas Year Three
<b>GAS</b> 1	EXAMPLE 2  Actual Discounts Provided	Rate		Rate		Rate \$	
			Year One	-	Year Two		Year Three
1	Actual Discounts Provided	\$	2 Year One 14,700	\$	Year Two 14,800	\$	Year Three 15,100
1 2	Actual Discounts Provided  Amount of Discounts in Rate Allowance	\$	2 Year One 14,700 14,905	\$ \$	Year Two 14,800 14,905	\$ \$	Year Three 15,100 14,905
1 2 3	Actual Discounts Provided  Amount of Discounts in Rate Allowance  Difference	\$ \$ \$	14,700 14,905 205	\$ \$	Year Two 14,800 14,905	\$ \$	Year Three 15,100 14,905

### Notes (by line number)

1 Input - Actual Discounts provided to customers

Deferral for future use in a Low Income Program

- 2 Rate Year expense per Case No. 14-M-0565
- 3 Line 2 less Line 1
- 4 Sum Line 1 for Rate Years 1-3
- 5 Sum Line 2 for Rate Years 1-3
- 6 Line 5 less Line 4

If cumulative actual discounts for Rate Years 1-3 are less than cumulative rate allowances for same period, then amount is deferred for furture use in a Low Income Program. If actual discounts exceed the cumulative rate allowance for Rate Years 1-3, the amount will be deferred for future recovery from

116

7 customers.

# Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Gas Economic Development Discount Program (\$000's)

#### GAS EXAMPLE

		Rate	Gas Year One	Rate	Gas Year Two	Gas Year Three
1	Actual Discounts Provided	\$	1,100	\$	900	\$ 850
2	Amount of Discounts in Rate Allowance:					
3	Empire Zone Rider (EZR) Discount	\$	1,120	\$	896	\$ 717
4	Excelsior Job Programs (EJP) Discount	\$	30	\$	39	\$ 45
5	Total forecasted EZR and EJP Discounts	\$	1,150	\$	935	\$ 762
6	Amount Deferred to customers / (due from customers)	\$	50	\$	35	\$ (88)

- Input Actual Customer EZR & EJP Discounts provided Forecasted EZR Rate Year Discounts. See Page 2 of 2, Line 1 Forecasted EJP Rate Year Discounts. See Page 2 of 2, Line 2 3
- 4
- Line 3 + Line 4
- Line 5 less Line 1

# Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Gas Economic Development Discount Program Whole Dollars

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		Fiscal Year 2019	Fiscal Year 2020	Fiscal Year 2021
Lines	Annual Discounts			
1	Empire Zone Rider (EZR) Discount	\$1,120,000	\$896,000	\$716,800
2	Excelsior Job Program (EJP) Discount	\$30,000	\$39,000	\$45,000
3	Total EJP and EZR Discounts - Annual	\$1,150,000	\$935,000	\$761,800
	Monthly Discount Target			
4	Empire Zone Rider (EZR) Discount	\$93,333	\$74,667	\$59,733
5	Excelsior Job Program (EJP) Discount	\$2,500	\$3,250	\$3,750
6	Total EJP and EZR Discounts - Monthly	\$95,833	\$77,917	\$63,483

Line 1: Historic actual EZR discounts adjusted for newly certified EZR estimated load

Line 2: Forecasted EJP discounts

Line 3: Line 1 + Line 2

Line 4: Line 1 / 12 Months

Line 5: Line 2 / 12 Months Line 6: Line 4 + Line 5

## Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Gas Economic Development Grant Program (\$000's)

#### **GAS EXAMPLE 1**

		Gas Rate Year One		Gas Year Two	Gas Rate Year Three	
1	Actual Expense	\$ 500	\$	1,200	\$	950
2	Rate Allowance	\$ 1,000	\$	1,000	\$	1,000
3	Difference	\$ 500	\$	(200)	\$	50
4	3 Year Cumulative Actuals	\$ 2,650				
5	3 Year Cumulative Rate Allowance	\$ 3,000				
6	Difference - underspend / (overspend)	\$ 350				
7	Deferral - Due to Customers	\$ 350				

# **GAS EXAMPLE 2**

		Gas Rate Year One		Gas Rate Year Two		Gas Rate Year Three	
1	Actual Expense	\$	900	\$	1,200	\$	1,150
2	Rate Allowance	\$	1,000	\$	1,000	\$	1,000
3	Difference	\$	100	\$	(200)	\$	(150)
4	3 Year Cumulative Actuals	\$	3,250				
5	3 Year Cumulative Rate Allowance	\$	3,000				
6	Difference - underspend / (overspend)	\$	(250)				
7	Deferral	\$	-				

#### Notes (by line number)

- 1 Input Actual Costs
- 2 Rate Allowance See Schedule 39
- 3 Line 2 less Line 1
- 4 Sum Line 1 for Rate Years 1-3
- 5 Sum Line 2 for Rate Years 1-3
- 6 Line 5 less Line 4

If cumulative actual costs for Rate Years 1-3 are less than cumulative rate allowances for same period, then Deferral Credit to Customer will be equal to the cumulative amount underspent. If actual costs exceed cumulative rate allowance for Rate Years 1-3, there will be no

7 Deferral.

# Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Gas Auction Debt True-up (\$000's)

# **GAS EXAMPLE**

			Gas Rate Year One			
1	Actual Interest Expense	\$	4,000			
2	Annual Rate Allowance	_\$	4,041			
3	Amount Deferred to (from) customers	_ \$	41			

- 1 Input Hypothetical Actual Interest Costs
- 2 Forecasted Rate Year interest expense. See Page 2 of 2
- 3 Line 2 less Line 1

Case 17-E-0238 & 17-G-0239 Appendix 6 Schedule 7 Page 2 of 2

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Debt Rates Weighted Average Cost of Auction Debt (Gas) (\$000's)

LONG-TERM DEBT	Maturity	Principal	Test Year Effective	Change in Variable	Rate Year 1 Effective	Rate Year 1
	Date	Amount	Rate	Rate	Rate	Interest
1988 Series A Pollution Control Revenue Bonds	12/1/2023	69,800	1.69%	3.31%	4.99%	3,485
1985 Series B Pollution Control Revenue Bonds	12/1/2025	75,000	1.55%	3.29%	4.84%	3,630
1986 Series A Pollution Control Revenue Bonds	12/1/2026	50,000	1.62%	3.33%	4.95%	2,476
1987 Series A Pollution Control Revenue Bonds	3/1/2027	25,760	1.47%	3.33%	4.80%	1,236
1987 Series B Pollution Control Revenue Bonds	7/1/2027	93,200	1.62%	3.33%	4.95%	4,614
2004 Series A Pollution Control Revenue Bonds	7/1/2029	115,705	1.76%	3.31%	5.06%	5,857
		\$429,465	1.65%		4.96%	21,298
Gas Rate Base						1,231,782
Total Rate Base						6,492,510
Gas Allocation						18.97%
Gas Interest						4,041

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Gas Long-Term Debt True-up (\$000's)

#### **GAS EXAMPLE**

	Gas Rate Year One		Rate	Gas Year Two	Ra	Gas te Year Three
1	Long Term Debt Capitalization Ratios	NA		51.06%		51.06%
2	Gas Rate Base for Ratesetting	NA		1,323,158		1,431,811
3	Actual Gas Rate Base	NA		1,200,000		1,400,000
4	Rate Base for True-up	NA		1,200,000		1,400,000
5	Weighted Average Cost of Debt for Ratesetting	NA		4.19%		4.13%
6	Actual Weighted Average Cost of Debt	NA		4.15%		4.16%
7	Annual Rate Allowance	NA	\$	28,328	\$	30,187
8	Actual Cost of Debt	NA	\$	25,428	\$	29,737
9	Amount Deferred to (from) customers	NA	\$	2,900	\$	449

- 1 As specified in Joint Proposal
- 2 As specified in Joint Proposal
- 3 Input Hypothetical Actual Gas Rate Base
- 4 Lesser of Lines 3 and 4
- 5 As specified in Joint Proposal, Forecasted Rate Year Cost of Long Term Debt. See Page 2 of 2
- 6 Input Hypothetical Actual Cost of Long Term Debt
- 7 Line 1 x Line 2 x Line 5
- 8 Line 1 x Line 4 x Line 6
- 9 Line 7 less Line 8

#### Niagara Mohawk Power Corporation d/b/a National Grid Case 17-E-0238 & 17-G-0239 Debt Rates Weighted Average Cost of Long-Term Debt (\$000's)

LONG-TERM DEBT	Rate	Maturity	Principal	Rate Year 1 Effective	Rate Year 1 Interest	Rate Year 2 Effective	Rate Year 2 Interest	Rate Year 3 Effective	Rate Year 3 Interest
	%	Date	Amount	Rate	& Expenses	Rate	& Expenses	Rate	& Expenses
1988 Series A Pollution Control Revenue Bonds	1.240%	12/1/2023	69,800	4.99%	3,485	5.87%	4,100	6.42%	4,484
1985 Series B Pollution Control Revenue Bonds	1.259%	12/1/2025	75,000	4.84%	3,630	5.72%	4,291	6.27%	4,704
1986 Series A Pollution Control Revenue Bonds	1.216%	12/1/2026	50,000	4.95%	2,476	5.83%	2,916	6.38%	3,191
1987 Series A Pollution Control Revenue Bonds	1.219%	3/1/2027	25,760	4.80%	1,236	5.68%	1,463	6.23%	1,604
1987 Series B Pollution Control Revenue Bonds	1.217%	7/1/2027	93,200	4.95%	4,614	5.83%	5,435	6.38%	5,948
2004 Series A Pollution Control Revenue Bonds	1.241%	7/1/2029	115,705	5.06%	5,857	5.94%	6,876	6.49%	7,513
4.881% Senior Notes	4.881%	8/15/2019	750,000	4.93%	36,996	4.93%	13,747	0.00%	-
4.119% Senior Notes	4.119%	11/28/2042	400,000	4.14%	16,573	4.14%	16,573	4.14%	16,573
2.721% Senior Notes	2.721%	11/28/2022	300,000	2.76%	8,277	2.76%	8,277	2.76%	8,277
3.508% Senior Notes	3.508%	10/1/2024	500,000	3.55%	17,755	3.55%	17,755	3.55%	17,755
4.278% Senior Notes	4.278%	10/1/2034	400,000	4.32%	17,269	4.32%	17,269	4.32%	17,269
4.05% \$400 million 30-Year Senior Notes Issued July 2018	4.050%	7/15/2048	400,000	4.08%	11,629	4.08%	16,325	4.08%	16,325
4.00% \$450 million 30-Year Senior Notes Issued July 2019	4.000%	7/15/2049	450,000			4.03%	12,936	4.03%	18,140
3.30% \$450 million 10-Year Senior Notes Issued July 2019	3.300%	7/15/2029	450,000			3.39%	10,890	3.39%	15,271
4.00% \$200 million 30-Year Senior Notes Issued July 2020	4.000%	7/15/2050	200,000					4.03%	5,743
3.30% \$200 million 10-Year Senior Notes Issued July 2020	3.300%	7/15/2030	200,000					3.39%	4,835
Amortization of Reacquired Debt Call Premiums & DD&E					1,608		1,608		1,608
			\$4,479,465	4.29%	131,404	4.19%	140,462	4.13%	149,240

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas Net Utility Plant and Depreciation Expense Reconciliation (\$000s)

	]	Rate Y	ear Ending Ma	rch 31,	2019			
	Total Gas Revenue Requirement Target		otal Gas Plant in Service (a)		on-Interest aring CWIP (b)	eserve for epreciation (c)	Gas Net Utility nt in Service (d)	Gas preciation Expense (e)
Forecast included in Revenue Requirement Settlement		\$	2,487,111	\$	15,521	\$ (879,992)	\$ 1,622,640	\$ 52,572
Pre-Tax WACC							8.07%	
Total Revenue Requirement Target	\$ 183,448						\$ 130,875	\$ 52,572
Estimate Actual Results		\$	2,483,909	\$	15,341	\$ (877,723)	\$ 1,621,527	\$ 52,597
Pre-Tax WACC							8.07%	
Total Revenue Requirement Actuals	\$ 183,383						\$ 130,786	\$ 52,597
Actuals higher/(lower) than Target	\$ (65)							
*Amounts include allocated portion of common plant (84	% Electric, 16% Gas)							
		Rate Y	ear Ending Ma	rch 31,	2020		_	_
	Total Gas Revenue Requirement Target		otal Gas Plant in Service (a)		on-Interest aring CWIP (b)	eserve for epreciation (c)	Gas Net Utility nt in Service (d)	Gas preciation Expense (e)
Forecast included in Revenue Requirement Settlement		\$	2,609,954	\$	21,410	\$ (901,282)	\$ 1,730,082	\$ 55,164
Pre-Tax WACC							8.02%	
Total Revenue Requirement Target	\$ 193,840						\$ 138,676	\$ 55,164
Estimate Actual Results		\$	2,592,018	\$	21,015	\$ (897,991)	\$ 1,715,042	\$ 54,520
Pre-Tax WACC							8.02%	
Total Revenue Requirement Actuals	\$ 191,991						\$ 137,471	\$ 54,520
Actuals higher/(lower) than Target	\$ (1,849)							
*Amounts include allocated portion of common plant (84	% Electric, 16% Gas)							
	Total	Rate Y	ear Ending Ma	rch 31,	2021		Gas	Gas
	Gas Revenue Requirement Target		otal Gas Plant in Service (a)		on-Interest aring CWIP (b)	eserve for epreciation (c)	Net Utility nt in Service (d)	preciation Expense (e)
Forecast included in Revenue Requirement Settlement		\$	2,747,368	\$	30,017	\$ (921,310)	\$ 1,856,075	\$ 58,099
Pre-Tax WACC							7.99%	
Total Revenue Requirement Target	\$ 206,317						\$ 148,218	\$ 58,099
Estimate Actual Results		\$	2,756,480	\$	30,037	\$ (921,201)	\$ 1,865,316	\$ 58,054
Pre-Tax WACC							7.99%	
Total Revenue Requirement Actuals	\$ 207,010						\$ 148,956	\$ 58,054
Actuals higher/(lower) than Target	\$ 693							
*Amounts include allocated portion of common plant (84	% Electric, 16% Gas)							
3 Year Cumulative Revenue Requirement Actuals	\$ 582,384							
3 Year Cumulative Revenue Requirement Target	\$ 583,605							

Note: Downward only reconciliation - no amounts due from customers if actuals are higher than target

(1,221)

3 Year Cumulative Actuals higher/lower than Target

# Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Gas Site Investigation and Remediation (SIR) Expense (\$000's)

# **GAS EXAMPLE**

		Gas Rate Year One		Rate	Gas Year Two	Gas Rate Year Three	
1	Actual Expense	\$	4,750	\$	5,000	\$	4,600
2	Rate Allowance	\$	4,821	\$	4,821	\$	4,821
3	Amount Deferred to (from) customers	\$	71	\$	(179)	\$	221

- 1 Hypothetical Actual Costs
- 2 Forecasted Rate Year expense. See Joint Proposal Section 10.1.6
- 3 Line 2 less Line 1

Case 17-E-0238 & 17-G-0239

Appendix 6

Schedule 10

Page 2 of 2

# Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 General Principles of the SIR Deferrral Mechanism

Established pursuant to the Financial Recovery Agreement (the "FRA"; Clause 16), approved by the Public Service Commission in Opinion No. 89-37(D); first applied in 1990 and continued to date applies to Site Investigation and Remediation (SIR) program sites, including:

- Former manufactured gas plant (MGP) sites
- Other Operating sites (previously designated by NM as "Industrial Waste Sites" and "Corrective Action Sites"; they include service centers, electric substations, and company properties)
- Potentially Responsible Party (PRP) sites (not owned by NM but pose alleged liabilities pursuant to Federal/State Superfund and other NYS Environmental Conservation Law-related regulations)

#### Allowable costs include:

- Consultant and contractor costs for site investigation and remediation efforts
- SIR activities that develop or implement remediation approaches to reduce the volume, mobility, or toxicity pre-existing contamination (caused or alleged to be caused by past practices or operations)
- Incremental external costs, including insurance premiums and legal costs, incurred to seek recovery from third parties or to otherwise seek to mitigate the cost or liability of the Company associated with the SIR program

#### Allowable costs shall be offset by:

- Net gains recognized from the sale or transfer to Non-utility Property of NM land and buildings included in rate base<sup>1</sup> or from the sale of stone, gravel, sand, or timber from such land, or
- Any net gains recognized from the leasing of such land or from the sale or lease of mining or drilling rights to such land, and
- Net insurance proceeds and net recoveries from third parties.

Department of Public Service Staff reserves the right to review for ultimate Commission determination the reasonableness of the actual deferred costs, which shall depend, inter alia, on the adequacy of the Company's efforts to seek contribution for those costs from other responsible parties.

<sup>&</sup>lt;sup>1</sup> For land and buildings which have been removed from rate base prior to date that this policy became effective, Niagara Mohawk shall propose the appropriate sharing of net gains in a filing that is subject to the approval of the Commission.

# Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Gas Property Tax Expense (\$000's)

#### **GAS EXAMPLE**

		Rate	Gas Year One	Rate	Gas Year Two	Gas Rate Year Three	
1	Actual Expense	\$	40,000	\$	45,000	\$	50,000
2	Rate Allowance	\$	43,072	\$	45,311	\$	47,730
3	Under (over) spending	\$	3,072	\$	311	\$	(2,270)
4	Customer share of under (over) spending		80%		80%		80%
5	Amount Deferred to (from) Customers	\$	2,457	\$	248	\$	(1,816)

- 1 Input Actual Costs
- 2 Forecasted Rate Year expense. See Joint Proposal Section 10.1.7
- 3 Line 2 less Line 1 (Difference between actual expense and rate allowance)
- 4 Deferral for under (over) spending will be based on 80% customer and 20% company basis
- 5 Line 3 times Line 4

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Gas Variable Pay Expense (\$000's)

#### GAS EXAMPLE

		Gas Rate Year One		Rate	Gas Year Two	Gas Rate Year Three	
1	Actual Expense	\$	5,000	\$	4,000	\$	5,000
2	Rate Allowance	\$	4,045	\$	4,203	\$	4,317
3	Amount Deferred to Customers	\$	<u>-</u>	\$	203	\$	

If the actual expense is greater than the rate allowance, there is no additional recovery from customers. This is a downward only reconciliation.

- 1 Input Actual costs Under the Company's variable pay program (APP) the evaluation period is on a fiscal year basis ending March Variable pay expense is accrued monthly, with the final accrual in March reconciling the annual variable pay total to the expecte pay out in June.
- 2 Forecasted Rate Year expense. See Joint Proposal Section 10.1.12
- 3 Line 2 less Line 1

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Oil Heat to Gas Conversion Program (\$000's)

# GAS EXAMPLE

		Gas Rate Year One		Gas Rate Year Two		Gas Rate Year Three	
1	Actual Expense	\$	1,250	\$	400	\$	950
2	Oil Heat Conversion Program Allowance	\$	764	\$	764	\$	764
3	Amount Deferred to customers / (due from customers)	\$	(236)	\$	364	\$	(186)

Note: The Oil Heat Conversion Program total spend is capped at \$1M in each rate year. The upward deferral is capped at \$236k in each rate year. There is no downward cap on the deferral.

- 1 Input Actual Costs
- 2 Costs included in Rate Allowance
- 3 Line 2 less Line 1; upward deferral capped at \$236k

## Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Gas Walk-In Payment Transaction Fees (\$000's)

# **GAS EXAMPLE**

		Gas Rate Year One		Gas Rate Year Two		Gas Rate Year Three	
1	Actual Expense	\$	250	\$	450	\$	500
2	Rate Allowance		414		414		414
3	Amount Deferred to (from) customers	\$	164	\$	(36)	\$	(86)

- Input Actual Costs
- 2 Forecasted Rate Year expense. See Joint Proposal Section 10.2.5
- Line 2 less Line 1

Niagara Mohawk Power Corporation d/b/a National Grid

PSC Case 17-E-0238 & 17-G-0239

Gas Safety and Reliability Surcharge

Example of All Components of Gas Safety and Reliability Surcharge (GSRS)

(\$000\$)

		Rate Year	Rate Year	Rate Year
	Page	One	Two	Three
	Reference	FY 2019	FY 2020	FY 2021
Recovery of Incremental LPP Replacement Costs	Page 2 - 4	\$213	\$546	\$934
Recovery of Incremental Leak Repair Costs	Page 5	\$247	\$761	\$1,300
Total Gas and Safety Surcharge		\$461	\$1,307	\$2,234

Niggara Mohwak Power Corporation db/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas Safety and Reliability Surcharge (GSRS) Example of Recovery of Incremental Lesk Prone Pipe (LPP) Replacement Costs (S000s)

	ES]			Example for	Illustrative	Purposes	Capital Average	Unit Cost	\$187	\$196	\$187
	LUSTRATIVE PURPOSI	Example for	Illustrative	Purposes	Annual	Incremental	Miles Subject	to GSRS	4	3	S
	EXAMPLE ASSUMPTIONS FOR ILLUSTRATIVE PURPOSES		Example for	Illustrative	Purposes	Cumulative	Incremental	(Miles)	4	7	12
he Removal Incentive:	[EXAMPI		Example for	Illustrative	Purposes	Total	Cumulative	(Miles)	54	107	162
lustrative Purposes of the Recovery of Incremental Costs and the Removal Incentive	[				Cumulative	Replacement	Threshold	(Miles)	50	100	150
or Illustrative Purposes of the	RATE ALLOWANCE				Rate	Allowance	Capital Average	Unit Cost	\$184	\$188	\$192
P Rate Allowance and Example Assumptions fo	<u> </u>				Annual	Replacement	Threshold	(Miles)	90	50	50
LPP Rate Allowance an								Rate Year	FY 2019	FY 2020	FY 2021

			RATE AL	RATE ALLOWANCE						EXAMPLE	[EXAMPLE FOR ILLUSTRATIVE PURPOSES	ATIVE PUR	POSES		
	Rate Allowance - 50 Miles Replacement at \$184 Average Unit Cost	50 Miles Re	placement at \$.	184 Average Un	it Cost		-		Example -	4 Incremental	Example - 4 Incremental Miles at \$187 Avg Unit Cost	Avg Unit Cos	ts.		,
	Capital Expend.							Capital Expend.							
	Closes		Depreciation Accumulated	Accumulated		Pre - Tax	Total	Closes		Depreciation Accumulated	Accumulated		Pre - Tax	Total	Amount
	To Plant		Expense	Depreciation	Net	WACC	Revenue	To Plant		Expense	Depreciation	Net	WACC	Revenue	Subject to
	In-Service	Plant	1.82%	Reserve	Utility		Require-	In-Service	Plant	1.82%	Reserve	Utility	8.07%	Require-	Surcharge
	(Note 1)	Balance	(Note 2)	Balance	Plant	(Note 3)	ment	(Note 1)	Balance	(Note 2)	Balance	Plant	(Note 3)	ment	(Note 4)
	(a)	(p)	(0)	(p)	(e)	Ξ	(g)	(E)	Θ	(k)	€	(m)	(u)	(0)	
FY 2019					(b) + (d)		(c)+(f)		i			(1) + (1)		(k)+(n)	
Mar-2018	0	0	0	0	0	0		0	0	0	0	0	0		
Apr-2018	3,984	3,984	0	0	3,984	27		324	324	0	0	324	2		
May-2018	3,559	7,543	9	9-	7,537	51		289	613	0	0	613	4		
un-2018	4,642	12,185	11	-17	12,168	82		377	166	1	-	686	7		
ul-2018	6,421	18,606	18	-36	18,570	125		522	1,513	2	-3	1,510	10		
Aug-2018	5,866	24,473	28	-64	24,408	164		477	1,990	2	-5	1,985	13		
Sep-2018	6,215	30,688	37	-101	30,586	206		505	2,495	3	8-	2,487	17		
Oct-2018	5,249	35,936	47	-148	35,789	241		427	2,922	4	-12	2,910	20		
Vov-2018	340	36,276	54	-202	36,074	242		28	2,949	4	-16	2,933	20		
Dec-2018	4,540	40,816	55	-257	40,559	273		369	3,319	4	-21	3,298	22		
Jan-2019	2,682	43,498	62	-319	43,179	290		218	3,537	5	-26	3,511	24		
Feb-2019	2,674	46,171	99	-385	45,786	308		217	3,754	5	-31	3,723	25		
Mar-2019	2,405	48,576	70	-455	48,121	162		196	3,949	9	-37	3,912	13		
	\$48,576		\$455	ı I	26,892	\$2,169	\$2,624	\$3,949		\$37	. •	2,186	\$176	\$213	\$213
Miles	90							4							
Feet	264,000							21,120							
Unit Cost per Foot 2% Cap on Unit Cost	\$184							\$187 o \$188 2'	\$187 ok, under cap \$188 2% Cap on Unit Cost	t Cost					

Niggan Mohwak Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Gas Safety and Relability Surcharge (GSRS)
Example of Recovery of Incremental Leak Prone Pipe (LPP) Replacement Costs
(\$000s)

			RATE AL	RATE ALLOWANCE						-EXAMPLE	[EXAMPLE FOR ILLUSTRATIVE PURPOSES	ATIVE PUR	POSES		[
	Rate Allowance - 50 Miles Replacement at \$188 Average Unit Cost	50 Miles Rep	placement at \$1	88 Average Uni	t Cost				Example of	Incremental N	Example of 3 Incremental Miles at \$196 Average Unit Cost	erage Unit (	Cost		,
	Capital Expend.							Capital Expend.							Maximum
	Closes		Depreciation Accumulated	Accumulated			Total	Closes		Depreciation Accumulated	Accumulated		Pre - Tax	Total	Amount
	To Plant		0	Depreciation	Net		Revenue	To Plant		Expense	Depreciation	Net	WACC	Revenue	Subject to
	In-Service	Plant	1.82%	Reserve			Require-	In-Service	Plant	1.82%	Reserve	Utility	8.02%	Require-	Surcharge
	(Note 1)	Balance	(Note 2)	Balance	Plant	(Note 3)	ment	(Note 1)	Balance	(Note 2)	Balance	Plant	(Note 3)	ment	(Note 4)
	(a)	(p)	(c)	(p)	(e)	Œ	(g)	Ξ	9	(k)	€	(m)	(n)	(0)	
FY 2020					(p) + (q)		(c)+(f)					(j) + (1)		(k)+(n)	
Mar-2019		48,576		-455	48,121	162			3,949		-37	3,912	13		
Apr-2019	4,071	52,647	74	-529	52,118	348		249	4,199	9	-43	4,156	28		
May-2019	3,636	56,283	80	809-	55,674	372		223	4,421	9	-49	4,372	29		
Jun-2019	4,743	61,026	85	-694	60,332	403		290	4,711	7	-56	4,655	31		
Jul-2019	6,561	67,587	93	-786	96,800	446		402	5,113	7	-63	5,050	34		
Aug-2019	5,994	73,581	102	688-	72,692	486		367	5,480	∞	-71	5,409	36		
Sep-2019	6,350	79,931	112	-1,000	78,931	527		389	5,868	∞	-79	5,789	39		
Oct-2019	5,363	85,294	121	-1,121	84,172	562		328	6,197	6	-88	6,108	41		
Nov-2019	347	85,641	129	-1,251	84,390	564		21	6,218	6	86-	6,120	41		
Dec-2019	4,639	90,279	130	-1,381	88,899	594		284	6,502	6	-107	6,395	43		
Jan-2020	2,740	93,019	137	-1,517	91,502	611		168	6,669	10	-117	6,553	4		
Feb-2020	2,732	95,751	141	-1,658	94,093	629		167	6,837	10	-127	6,710	45		
Mar-2020	2,457	98,208	145	-1,804	96,404	322		150	6,987	10	-137	6,850	23		
	\$49,632	. 1	\$1,349	<b> </b>	75,155	\$6,025	\$7,374	\$3,037		\$100		5,558	\$446	\$546	\$546
Miles	50							33							
Feet	264,000							15,840							
Unit Cost per Foot 2% Cap on Unit Cost	\$188							\$196 \$ \$192 2'	\$196 \$196 over cap - limit to \$192 \$192 2% Cap on Unit Cost	limit to \$192 t Cost					

Niagara Mohwak Power Corporation db/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas Safety and Reliability Surcharge (GSRS) Example of Recovery of Incremental Leak Prone Pipe (LPP) Replacement Costs (\$000s)

			RATE AL	RATE ALLOWANCE						EXAMPLE I	[EXAMPLE FOR ILLUSTRATIVE PURPOSES	ATIVE PUR	POSES		-
	Rate Allowance - 50 Miles Replacement at \$192 Average Unit Cost	50 Miles Rep	placement at \$1	92 Average Uni	t Cost				Example of 5	Incremental M	Example of 5 Incremental Miles at \$187 Average Unit Cost	erage Unit C	ost		,
	Capital Expend.						•	Capital Expend.							Maximum
	Closes		Depreciation Accumulated	Accumulated	Ţ	Pre - Tax	Total	Closes		Depreciation Accumulated	Accumulated		Pre - Tax	Total	Amount
	To Plant			Depreciation	Net		evenue.	To Plant			Depreciation	Net		Revenue	Subject to
	In-Service	Plant	1.82%	Reserve			Require-	In-Service	Plant	1.82%	Reserve	Utility		Require-	Surcharge
	(Note 1)	Balance	(Note 2)	Balance	Plant (	3)	ment	(Note 1)	Balance	(Note 2)	Balance	Plant	(Note 3)	ment	(Note 4)
	(a)	(p)	ં	( <del>p</del> )	(e)	€	(g)	Ξ	Θ	( <u>k</u>	€	Œ	(ii)	<u>o</u>	
FY 2021					(p) + (q)	)	(c)+(f)					(j) + (j)		(k)+(n)	
Mar-2020		98,208		-1,804	96,404	322			6,987		-137	6,850	23		
Apr-2020	4,157	102,365	149	-1,952	100,413	899		405	7,392	=	-148	7,244	48		
May-2020	3,713	106,079	155	-2,108	103,971	692		362	7,753	Ξ	-159	7,594	51		
Jun-2020	4,844	110,923	161	-2,268	108,654	723		472	8,225	12	-171	8,054	54		
Jul-2020	6,700	117,623	168	-2,437	115,187	192		653	8,878	12	-183	8,695	58		
Aug-2020	6,121	123,745	178	-2,615	121,130	806		969	9,474	13	-197	9,277	62		
Sep-2020	6,485	130,230	188	-2,802	127,428	848		632	10,106	14	-211	9,895	99		
Oct-2020	5,477	135,707	197	-3,000	132,707	883		533	10,639	15	-226	10,413	69		
Nov-2020	355	136,061	206	-3,206	132,856	884		35	10,674	16	-243	10,431	69		
Dec-2020	4,737	140,799	206	-3,412	137,387	914		461	11,135	16	-259	10,876	72		
Jan-2021	2,798	143,597	213	-3,625	139,972	931		273	11,408	17	-276	11,132	74		
Feb-2021	2,790	146,387		-3,843	142,544	949		272	11,679	17	-293	11,386	92		
Mar-2021	2,509	148,896	222	-4,065	144,831	482		244	11,924	18	-311	11,613	39		
	\$50,688	. 1	\$2,261	ı I	123,572	\$ 698'6\$	\$12,130	\$4,937	1	\$173	ı I	9,519	8260	\$934	\$934
Miles	50							5							
Feet	264,000							26,400							
Unit Cost per Foot 2% Cap on Unit Cost	\$192							\$187 ol \$196 29	\$187 ok, under cap \$196 2% Cap on Unit Cost	: Cost					

Notes and Assumptions:

1) LPP replacement capital expenditures in base rates total \$48.576 million (50 miles) in FY 2019, \$49.632 (50 miles) million in FY 2020 and \$50.688 million (50 miles) in FY 2021.

Revenue requirement assumes capital expenditures are placed in-service in the month spent.

Depreciation is based on the composite depreciation rate for mains and services based on 12/31/2016 plant balances.
 Utilizes pre-tax WACC by fiscal year per filing with a 9 00% ROE.
 The Unit osts are capped at the lessers of the average expaint replaceancy per mile of proactive LPP in the applicable rate year or 102% of the capital unit cost allowances for LPP replacement in the applicable rate year.
 The FY 2019 incremental mileage spend will be rolled forward to the FY 2021 aurcharge, calculating a return on the net plant investment and associated depreciation expense.
 The FY 2020 incremental mileage spend will be rolled forward to the FY 2021 surcharge, calculating a return on the net plant investment and associated depreciation expense.

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas Safety and Reliability Surcharge Recovery of Incremental Leak Repair Costs (\$000's)

#### Example of Incremental Leak Repairs Above Rate Plan

	CY 2018	CY 2019	CY 2020
Leak Repairs - Year End Target	925	850	700
Actual Year End Leak Inventory - Example	865	675	425
Incremental Leaks Repaired	60	175	275
Recovery of Incremental Leak Repair Costs:			
Maximum Incremental Limit per Year Subject to Recovery	250	250	250
Incremental Leaks Subject to Recovery	50	150	250
Average Per Unit Repair Cost Rate Allowance	\$4,947	\$5,075	\$5,200
Total incremental Cost Subject to Recovery	\$247,374	\$761,262	\$1,300,033

Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239

Example of Net Utility Plant Reconciliation Mechanism when GSRS - LPP Cost Recovery is Applicable Assumes a One Way Downward Net Utility Plant/Depreciation Tracker Mechanism

Net Utility Plant Regulatory Liability Required LPP Surcharge applied to FY 2019 and FY 2020 only Under Yes Example 1 Net Plant/Depreciation Tracker GSRS - LPP Cost Recovery

1) Assume all other components of net plant forecast results are lower than forecast allowed in rates, in addition to LPP surcharge being applicable:

Difference - Re; FY2019 (\$1,000,000) ( 8.07% (\$80,656) (\$21,000) (\$(101,656)	(\$2,186,411) ( 8.07% (\$176,347) (\$36,996) (\$213,343)	(\$314,998)
Assumed Actual Results  FY2019 FY2020 FY2021  \$1,621,639,644 \$1,728,082,381 \$1,853,074,702  8.07% 8.02% 7.99%  \$130,794,705 \$138,515,892 \$147,978,834  \$52,551,357 \$55,121,794 \$58,035,518  \$183,346,062 \$193,637,686 \$206,014,352	N/A N/A N/A	\$183,346,062 \$193,637,686 \$206,014,352
Forecast Allowed in Rates FY2019 FY2020 FY2021 \$1,622,639,644 \$1,730,082,381 \$1,856,074,702 8.07% 8.02% 7.99% \$130,875,361 \$138,676,204 \$14,218,401 \$52,572,357 \$55,163,794 \$58,098,518 \$183,447,718 \$193,839,998 \$206,316,919	N/A \$2,186,411 \$5,558,073 \$0 8.07% 8.02% 7.99% 7.99% 8.176,347 \$445,512 \$0 \$36,996 \$100,295 \$0 \$8213,343 \$545,807 \$0	\$183,661,060 \$194,385,805 \$206,316,919
Total Net Utility Plant/ Depreciation including 50 miles of LPP Average Net Plant Pre-Tax Return % Return on Ratebase Depreciation Total Net Plant/Depreciation Revenue Requirement	LPP Cost Recovery based on Net Utility Plant/ Depreciation LPP Average Net Plant Pre-Tax Return % Return on Ratebase LPP Depreciation LPP Net Plant/Depreciation Revenue Requirement	Total Net Plant/Deprec Revenue Req't including LPP Surcharge

(\$239,568) (\$63,000)

(\$160,312) (\$42,000)

(\$202.312)

8.02%

FY2020 (\$2,000,000)

\$0 7.99%

(\$5,558,073) 8.02% \$0

(\$445,512) (\$100,295)

(\$545,807)

(\$302,568)

(\$748,119)

(\$314,998)

Total Net Plant Tracker Regulatory Liability

(\$302,568)

(\$748,119)

Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Example of Net Utility Plant Reconciliation Mechanism when GSRS - LPP Cost Recovery is Applicable Assumes a One Way Downward Net Utility Plant/Depreciation Tracker Mechanism

(\$000s)

Do Not Record Net Utility Plant Regulated Asset - One Way Downward Tracker Net Utility Plant Regulatory Liability Required LPP Surcharge causes Net Plant Tracker to be under in FY21 requiring a Regulatory Liability LPP Surcharge applied to all FY's Under in FY 2020 Over in FY 2021 Yes Over in FY 2019 Example 2 Net Plant/Depreciation Tracker GSRS - LPP Cost Recovery

1) Assume all other components of net plant forecast results are lower than forecast allowed in rates, in addition to LPP surcharge being applicable:

		.02	%€	181	118	66							66
ults	FY2021	\$1,861,074,7	7.99	\$148,617,6	\$58,203,5	\$206,821,199	N/A						\$206,821,1
Assumed Actual Results	FY2020	\$1,728,082,381	8.07% 8.02%	\$138,515,892	\$52,635,357 \$55,121,794 \$58,203,518	\$193,637,686	N/A						\$193,637,686
Assu	FY2019	\$1,625,639,644 \$1,728,082,381 \$1,861,074,702	8.07%	\$131,117,328 \$138,515,892 \$148,617,681	\$52,635,357	\$183,752,685 \$193,637,686	N/A						\$183,752,685 \$193,637,686 \$206,821,19
ites	FY2021	\$1,856,074,702	7.99%	\$148,218,401	\$58,098,518	\$206,316,919		\$9,519,095	7.99%	\$760,155	\$173,339	\$933,495	\$207,250,414
Forecast Allowed in Rates	FY2020	1,730,082,381	8.07% 8.02% 7.99%	\$130,875,361 \$138,676,204 \$148,218,401	\$52,572,357 \$55,163,794 \$58,098,518	\$193,839,998		\$5,558,073	8.02%	\$445,512	\$100,295	\$545,807	\$183,661,060 \$194,385,805 \$207,250,41
Foreca	FY2019	\$1,622,639,644 \$1,730,082,381 \$1,856,074,702	8.07%	\$130,875,361	\$52,572,357	\$183,447,718 \$193,839,998		\$2,186,411	8.07%	\$176,347	\$36,996	\$213,343	\$183,661,060
	Fotal Net Utility Plant/ Depreciation including 50 miles of LPP	Average Net Plant	Pre-Tax Return %	Return on Ratebase	Depreciation	Fotal Net Plant/Depreciation Revenue Requirement	∠PP Cost Recovery based on Net Utility Plant/ Depreciation.	LPP Average Net Plant	Pre-Tax Return %	Return on Ratebase	LPP Depreciation	PP Net Plant/Depreciation Revenue Requirement	Total Net Plant/Deprec Revenue Req't including LPP Surcharge

7.99%

(\$2,000,000) (\$2,000,000) (\$160,312) (\$42,000) (\$202,312)

8.07%

Difference - Regulatory Asset/(Liability)

FY2019 \$3,000,000

\$399,279 \$105,000 \$504,279

\$241,968 \$63,000 \$304,968

(\$760,155)

(\$429,215) (\$933,495)

(\$748,119) (\$545,807)

\$91,625

(\$213,343)

(\$429,215

(\$748,119)

(\$9,519,095)

(\$5,558,073) (\$445,512) (\$100,295)

(\$2,186,411) (\$176,347) (\$36,996)

8.07%

Total Net Plant Tracker Regulatory Liability

Case 17-E-0238 & 17-G-0239

Appendix 6

Schedule 16

Page 1 of 3

Niagara Mohawk Power Corporation d/b/a National Grid

PSC Case 17-E-0238 & 17-G-0239 Deferral Example of Leak Prone Pipe (LPP) Productivity Incentive Positive Revenue Adjustment (PRA) Using a 1.5% Savings Tier

## INCENTIVE THRESHOLDS

	Base		H	FY 2019 Main Replacement Unit Cost Incentive Mechanism	st Incentive Mechanism		
		Tier 1	Tier 2	Tier 3	Tier 4	Tier 5	Tier 6
Unit Cost FY 2019 Savings From Base	9 \$ 184	\$184 > \$181 0.00% < 1.50%	<= \$181 > \$178 >= 1.5% < 3.00%	<= \$178 > \$176 >= 3.00% < 4.50%	<=\$176 > \$173 >= 4.50% < 6.00%	<= \$173 > \$170 >= 6.00% < 7.50%	<= \$170 >= 7.50%
re-Tax Basis Point (BP)	80.045	0	2 \$160.091	\$320,182	6 \$480.273	8 \$640.363	10 \$ 800,454
						`	
	Base		İ	FY 2020 Main Replacement Unit Cost Incentive Mechanism	st Incentive Mechanism		
		Tier 1	Tier 2	Tier 3	Tier 4	Tier 5	Tier 6
Unit Cost FY 2020	0 \$ 188	\$188 > \$185	<= \$185 > \$182	<= \$182 > \$180	<= \$180 > \$177	<= \$177 > \$174	<= \$174
Savings From Base		0.00% < $1.50%$	>= 1.5% < 3.00%	>= 3.00% < 4.50%	>= 4.50% < 6.00%	>= 6.00% < 7.50%	>= 7.50%
Positive Incentive Pre-Tax Basis Point (BP)		0	2	4	9	∞	10
Estimate of one BP \$ 85,983	,983		\$171,967	\$343,933	\$515,900	\$687,866	\$ 859,833
			•				
	Base		Ĭ	FY 2021 Main Replacement Unit Cost Incentive Mechanism	st Incentive Mechanism		
		Tier 1	Tier 2	Tier 3	Tier 4	Tier 5	Tier 6
Unit Cost FY 2021 Savinos From Base	1 \$ 192	\$ 192 > \$189 0 00% < 1 50%	<= \$189 > \$186 >= 1 5% < 3 00%	<= \$186 > \$183 >= 3 00% < 4 50%	<= \$183 > \$180 >= 4 50% < 6 00%	<= \$180 > \$178 >= 6 00% < 7 50%	<= \$178 >= 7 50%
Positive Incentive Pre-Tax Basis Point (BP)		0	2	4	9	∞	10
Estimate of one BP \$ 93	93,044		\$186,088	\$372,176	\$558,264	\$744,352	\$ 930,440

# EXAMPLE FOR ILLUSTRATIVE PURPOSES:

	FY 2019	FY 2020
Actual Unit Cost	\$ 187	\$ 187
Savings From Base	N/A	N/A
Positive Incentive Basis Point (BP)		
Estimate of Basis Point PRA Deferral from Customers	0	

FY 2021	\$ 187	2.60%	7	\$186,088
FY 2020	\$ 187	N/A		0
FY 2019	\$ 187	N/A		0
				ners

Unit costs for purpose of LPP Productivity Incentive will be calculated by dividing Niagara Mohawk's actual costs for proactive LPP removals by the total number of LPP feet removed from service through Niagara Mohawk's proactive main replacement program in the relevant Rate Year.

### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral Example of Leak Prone Pipe (LPP) Replacement Incentive Positive Revenue Adjustment (PRA)

	CY 2018	CY 2019	Cumulative CY 2020
Total LPP Removal Target - Miles	50	50	150
Example of Miles Removed	54	53	163
Incentive Threshold - Miles	50	50	150
Miles Eligible for Incentive	4	3	6
Basis Points Allowed - 2 per Eligible Mile, up to 10 Max	8	6	10
Estimate of One Basis Point	\$80,045	\$85,983	\$93,044
Estimate of Basis Point PRA	\$640,363	\$515,900	\$930,440

#### Niagara Mohawk Power Corporation d/b/a National Grid Gas Safety and Reliability Surcharge Defferal Example of Leak Repair Incentive Positive Revenue Adjustment (PRA) (\$000's)

#### Example of Incremental Leak Repairs Above Rate Plan

	CY 2018	CY 2019	CY 2020
Leak Repairs - Year End Target	925	850	700
Actual Year End Leak Inventory - Example	865	675	425
Incremental Leaks Repaired	60	175	275
Leak Repair Incentive PRA:			_
Basis Point (BP) Limited to One BP for each 50 Leaks Repaired (Maximum of Five BP per Year)	1	3	5
Estimate of One Basis Point	\$80,045	\$85,983	\$93,044
Estimate of Basis Point PRA to be included in GSRS	\$80,045	\$257,950	\$465,220

Basis Point determination in above example assumes NMPC achieves both components of the annual backlog reduction targets.

#### Niagara Mohawk Power Corporation d/b/a National Grid Service Company Rents IS and GBE Program Net Plant and Depreciation Expense Reconciliation Mechanism Revenue Requirement Target For the Rate Years Ending March 31, 2019, March 31, 2020, and March 31, 2021

	<b>.</b>		2010		
	Т	Ending March 31, 2 otal Revenue uirement Target		Gas ne Requirement Return (a)	Gas ue Requirement epreciation (b)
Forecast included in Revenue Requirement Settlement			\$	1,896,720	\$ 5,976,601
Total Revenue Requirement Target	\$	7,873,321	\$	1,896,720	\$ 5,976,601
*Estimated Actual Results			\$	1,989,513	\$ 6,042,432
Total Revenue Requirement Actuals	\$	8,031,945	\$	1,989,513	\$ 6,042,432
Actuals higher/(lower) than Target	\$	158,624			
	Т	Ending March 31, 2 otal Revenue uirement Target		Gas ne Requirement Return (a)	Gas ue Requirement epreciation (b)
Forecast included in Revenue Requirement Settlement			\$	2,421,667	\$ 7,642,245
Total Revenue Requirement Target	\$	10,063,912	\$	2,421,667	\$ 7,642,245
*Estimated Actual Results			\$	2,350,000	\$ 7,450,000
Total Revenue Requirement Actuals	\$	9,800,000	\$	2,350,000	\$ 7,450,000
Actuals higher/(lower) than Target	\$	(263,912)			
	Т	Ending March 31, 2 otal Revenue uirement Target		Gas ae Requirement Return (a)	Gas ue Requirement epreciation (b)
Forecast included in Revenue Requirement Settlement			\$	2,936,598	\$ 9,596,677
Total Revenue Requirement Target	\$	12,533,274	\$	2,936,598	\$ 9,596,677
*Estimated Actual Results			\$	3,050,000	\$ 9,680,000
Total Revenue Requirement Actuals	\$	12,730,000	\$	3,050,000	\$ 9,680,000
Actuals higher/(lower) than Target	\$	196,726			
3 Year Cumulative Revenue Requirement Actuals	\$	30,561,945			
3 Year Cumulative Revenue Requirement Target	\$	30,470,507			

91,438

Note: Downward only reconciliation - no amounts due from customer if actuals are higher than target \*Actual Revenue Requirement results will be calculated using the SC Rent Model

3 Year Cumulative Actuals higher/(lower) than Target

Too lists A sale I sale readout materia 31, 2049												4/1/2018	3/31/2019		8,0010%	5210G			
			Forcested Bala	d Balance at FY1	ā	set of Balance at Fiscal	Adjusted Forecasted Forecasted Forecasted Forecasted Rutance at Fiscal Balance at Fiscal Pear End		Force as ted Balance after Fiscal Year End (FY 19) (After		Amontization			s	arvice Co				
Line Investment Name	Programs		Bill Pool Fiscal Year	r End (FY18)	Additions	Year End (FY19)	(FY19)	hddig%	Slippago/Cuts)	In Service Date	Period			verage Balance	Return NIMO	G Allocation	NIMO G Rent-Return	NIMOG Rent - Depn	
2 Risk Reced Authentication - 2FA token alternative	Cyber Scourity Cyber Scourity		, s	S . S	235080 \$	235,080	s 235,000		s 1,460,000 S 235,000		1 Z	8 s		\$103,547	8.0710%	4586	3,042	s , , , ,	2 69
3 INVP 36I4D1 Ent Network Socurrity	Cyber Security		s 000	9,674,142 \$		9,674,142	\$ 9,674,142		s 9,674,142		2			\$8,522,459	8.0010%	4.58% S	22,897	s 63,29	6
<ol> <li>Theori Behavior Modeling</li> <li>Identity &amp; Access Management Role Base Access Management (RBAC)</li> </ol>	Cyber Security Cyber Security	3683	0000 s 0000 s		8 000000 1,650,000 5	000'000	0000008 S		s 800,000 S 1,650,000	7/1/2018	z z	9 9	S714,286 S1,453,571	S357,H3 8.0 S726,786 8.0	8.0710%	4.58% 5	536	s 3,926 s 8,996	e 9
6 Enhanced DLP Gareway and Endpoint	Cyber Security		S 000		2,238,480 S	2,238,480	S 2,238,480	-	\$ 2,238,480		\$			S1,039,294	8.0010%	4.58% S	1,662	s 7,32	3
7 INVP 36(4B) CNI Network Security 8 INVP 36(4E4 1S/CNI Security 18)	Cyber Seourity Cyber Seourity		s 8	1340144 S		1,829,586	S 4,829,586 S 1.340,144		S 4,829,588		a a			St,312,130 St,196,557	8.0010%	458% 5	3.215	S 31,59	2 %
	Cyber Security		s 000	80,409 S	469,591 \$	850,000	s ssopoo		s ssooo		z			\$248,810	8.0010%	4.58% S	391	s 2.39	
<ol> <li>Identity &amp; Access Management : Fine Grain Access Management</li> <li>«Res &amp; colline   Journalise</li> </ol>	Cyber Scourity		S 000	241,238 S	1,408,772 S	000'059'1	00000971 s		S 1,650,000		3 3			\$756,250	8.0710%	4.58% S	661,1	S 629	9 0
12 IT/OT Discovery and Implementation Please 1	Cyber Security Cyber Security	3683	s 000	482,456 S	4,741,561 S	5,224,017	s 5,224,017		s 1,000,000 S 5,224,017		ž 2			88	8.0710%	458% S		or't s	9
	Cyber Security		s 000	47,515 \$	250,305 \$	297,820	S 297820		S 297,820		ಪ	8 8	8 8	8 8	8.0010%	4.58% S			
	Cyber Security Cyber Security		00 o	241,228 S	1,740,000 S	1,740,000	s 1,740,000 S 1,740,000		S 1,740,000		ತ ತ	8 8	SI,740,000	SS70,000	8.0710%	4.58% S	1,459		
	Cyber Security		s 000	S	s 000'00s	800,000	sooboos s		s soonoo		3	8	8800,000	8400,000		4.58% S	129		
17 Security he ident Event Management Phase 4	Cyber Security		S 000	· ·	1,120,783 \$	1,120,783	S 1,120,783		S 1,120,783		Z 3	SR 5	9. 8	88	8.0710%	4.58% S			
18 Big Data Security Analytics Plans 1 19 USCN latras kin Detect on Presention Plans 2	Cyber Security Cyber Security		s s		4,090,466 S	4,090,400	s 4,090,466 S 269,465		s 4,090,466 S 269,465	3/31/2020	3 3	9 9	9 9	88		458% S			
	Cyber Security		S 000	s	\$ 980'985	586,086	s 586,066	-	s 586,090		3	8	8	8	8.0010%	4.58% S		s	
21 Security line ident Event Management Phase 5 22 Dominin Based Security Phase 2	Cyber Security Cyber Security		s s		246,948 S	246,948	S 246948 S 1400000	_	S 246948 S 1400000		a a	9 9	88	8 8		458% 5			
	Cyber Scourity		s ozo		246,948 S	246,948	S 246948		S 246948		ä	8	8	8		4.58% S	٠		
	Cyber Seourity		s 000		\$ 000,000	200,000	000000 s		300000 s	5/1/2021	3 :	8 1	8 1	8 1	8.0010%	4.58% S			
25 LEOH Discovery and implementation: Plane 2 26 LISCNI Security Enhancements, Plane 2	Cyber Scounty		s s					9000		10/1/2021	z z	9 9	8 8	3 8		4585			
	Cyber Seourity		s 000					9,000		12/1/2021	3	8	8	8		4.58% S			
	DPU Mandate		277 S	S	s .						z :	8 8	8 22 20 2	8 8		0.00% S			
29 INVP 4573 Contineent Labor Admin Revisement	FYIS Plan		. s	259.667 S		259.667	s 432,433 S 259,667		s 432,433 S 259,667	220/2017	a a	\$219.481	\$100,748	\$200.933	8.0710%	4.58% S	. 68	. 31	2
	FY18 Plan		238 S						S		3	8	8	8		0.00% S		8	
32 INVP 4088 Aging System Sub-like	FY18 Plan		1148 S	854,204 S		854,204	S 854204		S 854204		<b>3</b> 3	\$813,527	\$601,498	\$752,513	8.0710%	4.83% S	2,132	S 5,89	<b>J</b> 1
	FYIS Plan		. s	13464281 S		13.464.281	S 2,256,401 S 13,464281		S 2,236,401 S 13,464,281		a a	SI2.181.909	SI0.258.500	SII 220 235		458% 5	3,140	8.08 8.08	2 2
	FY18 Plan		s 000	2,303,959 \$		2,303,999	\$ 2,303,959	-	\$ 2,303,956		3	\$2,303,969	\$1,974,822	\$2,139,390	8.0010%	4.58% S	5,748	S 15,07	-
36 SO06242 MH 22 Systemic Improvement	FY18 Plan		S 000	8,275,630 S		8,275,630	8,275,650		S 8,275,650		8 2	\$7,999,795	57,172,230	\$7,586,012		4.58% S	20,381	37,90 5	0 7
3) IAVY 4.259 US NUMORK IMPROVEMENT 38 HANALizense Costs	FYIS Plan		000 s	3,826,068 S		3,826,068	s 3,826,068		s 3,826,068		ತ ತ	\$3,279,487	St,081,912 S2,732,906	S3,006,197		458% S	8,506	S 25,03	* 0
	FYIS Plan		S 000	3,207,476 S	S	3,207,476	S 3,207,476	-	3,207,476		3	\$2,749,365	\$2,291,054	\$2,520,159		4.58% S	7,131	s 20,98	9
40 Mobile Device Refresh - FY17 41 Zozalez	FY18 Plan		s s	4138,561 S	1,000,00	4,138,561	s 4,138,561 S 2,100,000		s 4,138,561 S 2,100,000		a a	S1,547,338	SI,9956,115	SI,251,726 SI,950,000	8.0710% 8.0710%	458% 5	9,201	S 22,07	× 0
42 INVP 2577C AreFM Software Upgarde	FY18 Plan		S 211			. '					2	8	8	8		0.00% S	. •		
43 INVP 4GH Box Enablement AA INVD 4TO Those Transformer from	FYIS Plan		s 000	254,000 S		254,000	S 254,000		S 254,000		3 3	\$254,000	\$217,714	\$235,857		4.58% S	634	89'I S	20
	FY18 Plan		S 81	705,521 S		705,521	S 705,521		S 705,521		3	\$621,530	\$520,742	8571,136		0.00% S		S	,
46 INVP 4274 VSTKI Hardware Refresh 47 ITS Victory Confinemention amount to DW	FY18 Plan		S 000	8 000,000		000,000	000/809 S		0008099 S		ಪ ಪ	8008,000	\$521,143	\$564,571	8.0710%	4.58% S	1,517	3,97	e -
	FY18 Plan		s 000	\$ 000'000'1		1,000,000	000000'I S	-	20000001 s		: 3	81,000,000	\$857,148	5928,571		4.58% S	2,495	8 e/st	
49 INVP 4464 Data Visualization	FY18 Plan		s 000	7,067,413 \$		7,067,413	\$ 7,067,413		S 7,067,413		z :	\$6,730,870	85,721,239	\$6,226,065	8.0710%	4.58% S	16,727	S 46,24	
51 Changes to ACIS for PACC Civil Vendor Billing	FYIS Plan		. s	382,000 S		382,000	382,000		s 382,000		ī	\$363,810	\$309,238	\$336,224		0.00%	(m)/m		
52 INVP-4461 UnicSI Innerface Migration	FY18 Plan		S 000	1,386,701 S		1,386,700	s 1,386,701	-	S 1,386,701		3	\$1,370,193	\$1,172,098	SI,271,143		4.58% S	3,415	70'6 s	3
55 INVP 4267 Active Directory Upgande 54 US Control/Gas System Operating Procedure (SOP) Upgande	FY18 Plan		G020 S G210 S	304,825 S	417.432 S	804,825 496,672	s soukkis		S 804,822 S 496,672		3 3	8785,063	88 SA	S7238,173		4.58% S	1,956	s,200	e.
	FY18 Plan		s 000	s 000'899	8	000'8999	ood8999 s		s 668,000		2	\$628,238	\$532,810	\$580,524		4.58% S	1,560	s 4,37	_
56 Cascade Electric Application Upgasde Project 57 INVP 4408 Doc Mannt Systems Replacement Delivery	FVIS Plan		G198 S	375,000 S		375,000	s 375,000 s 3.855,044		s 375000 s 3855044		<b>3</b> 3	\$352,679	\$259,107	\$325,803	8.0710% 8.0710%	0.00% S	. 60%		*
	FY18 Plan		3.52 S	\$ 000'818		838,000	S 838,000		S 838,000		3	8788,119	8668,406	\$728,362		4.63% \$	1,978	S 5,54	
59 Gas Service Database - UNY	FYIS Plan		\$ 5013 500	325,000 S		325,000	s 325,000		S 325,000		Z :	\$309,524	\$263,096	\$286,310	8.0710%	100.00% S	16,795	S 46,42	6
	FYIS Plan		381 S								ī	8 8	8 8	8 8		000%			
	FY18 Plan		210 S	83,626 \$	440,537 \$	524,163	\$ 524,163		S 524,163		2	8	8	8		12.44% S		· · · · · · · · · · · · · · · · · · ·	
<ol> <li>Computation le Enhancements to Support Inspection Types</li> <li>Tavel &amp; Expense Manuament (T&amp;E) and Global Moster Senice Provider (MSP) States</li> </ol>	FY18 Plan		G186 S G020 S	65,789 S 180.117 S	346,576 S 948,849 S	412,366	s 412,366 S 1.128,966		s 412,366 S 1.128,966	9/1/2019	z z	88	8 8	88	8,0710%	0.00% S			
	FY18 Plan		S 81	219,298 S	1,155,255 \$	1,374,553	s 1,374,553		S 1,374,553		3	8	8	8		4.83% S	٠		
66 INVP 3486 US MDS-liren Enterprise Edition (IEE) 67 INVD 4300 Bloods Design II	FYIS Plan		S 981	758,544 S		758,544	S 758,544		S 758,544		3 3	S758,514 S504,000	8650,180	5704,362	8.0710%	0.00% S	- 173	. 8	
	FYIS Plan		s 000	300,000 s 1,602,236 S		1,602,236	s 300,000 S 1,602,226		s 3005,000 S 1,602,226		18	S1,602,226	SI,442,003	SI,522,114		4.58% S	4,069	s 8,773 S 7,333	
	FY18 Plan		G020 S	4,500,000 S		4,500,000	s 4,500,000		S 4,500,000		\$ 1	84,500,000	\$9,857,148	54,178,571	8.0010%	4.58% S	15,446	S 29,44	9
70 USSAP: Intrastructure Landssape 71 USCNI Tech Services-Network Equipment Lifecycle Replacements	FY18 Plan		000 S	4,142,700 S 9,207,521 S		9,207,521	s 4,142,700 S 9,207,521		s 4,142,000 S 9,207,521		ತ ತ	99,207,221	S7,892,16I	SE,546,703 SE,549,841		4,000	66,00	S 22,10	
72 US CNI-EMS Lifecycle Hardware and Software Upgrade	FV18 Plan	4568	V186 S	3,213,537 \$	\$	3,213,537	\$ 3,213,537	9000	\$ 3,213,537		2 :	\$9,213,537	\$2,754,468	82,983,999		0.00% S			
	FYIS Plan		, a	5,530 S	16/342 8	2004,000	S 675000		S 675000	3/31/2018	a a	8675.00 M	SSTR ST	8626.78	8.0710%	458% 5	- 1881	. 44 S	9
75 Agod Prinker refresh	FY18 Plan		s 000	45,000 \$		45,000	s 45,000	-	\$ 45,000		ž	\$45,000	T72,812	541,786		4.58% \$	113	S 29	7

												4/1/2018	3/31/2019		8.0710%	5210G			
				Forecasted Balance at	FY19 Incremental	corocast of Balance at Fiscal	Adjusted Forecasted set of Bakin oc at Fiscal Bakince at Fiscal Year End		Forecasted Balance after Fiscal Year End (FY 19) (After	_	Amontization				Service Co				
Line Investment Name 76 RSA Teken neftesih	Programs FY18 Plan	NVP# 4683	Bill Pool	scal Year End (FY18) 536,718	Addrices .	Year End (FY 19) 5 536,718	(FY19) S 536718	% Slippage/Disallowed	Slippago/Cuts) S 536.718	In Service Date 3/31/2017	ď.	4/1/2018 Balance \$460,014	3/31/2019 Bulance S383,370	Average Balance \$421,707	Return 8.0710%	NIMOG Allocation 4.58%	NIMO G Rent-Return S 1,193 S	NIMOG Rent - Depn 3,512	
	FY18 Plan	4670	C310 S					9,000				8	8	8	8.00100%	0.00%	s s		
78 INVP4449 - EPA File 79 Informatica Urora de/Microstratery Renktocoment Promum	FYIS Plan	4449	C13 C03 S	630,000	s	S 630,000 S 3.164,400	S 630,000 S 3.164400	%000 %000	S 630,000			8630,000	\$540,000	\$385,000	8.0710%	14.88%	s 5,106 s	13,392 18,979	
	PY18 Plan	3932	C175 S	13,292,340	5 10,273,671	3,566,011	\$ 23,566011	9,000	\$ 23,566011			8	521,602,177	\$10,801,088	8.0010%	8.69%	s 22,334 S	10,885	
<ol> <li>US MDS-Energy Accounting System (EAS) migration to Wholesale Settlement Application (WSA)</li> <li>INVP 4398 ScompfSchol Uprande</li> </ol>	FYIS Plan	4398	G186 S	7681338	s 654,799 S 1,276,942	8.960.280	S 654,799 S 8,960,280	%0°0	s 654,799 s 8.960,280			яя	SK 640 230	\$4320.135	8.0710%	7.13%	s - S	22.881	
	FY18 Plan	4486	C348 S					9,000				8	8	8	8.0010%	9,000	8		
84 STORMS Capital Cost Estimates	FVI8 Plan	4467	G148 S		\$ 235,243	\$ 235,243	S 235,243	9600	\$ 235,243			88	8 8	88	8.00100%	4.83%			
86 USCNI Tech Services-Network Equipment Lifecycle Replacements	FY18 Plan	4570	GIS S					9000		3/31/2019	ž ž	8 8	8 8	8 8	8.0710%	9000			
	FY18 Plan			129,283		S 129,283	S 129283	9,000	\$ 129283			\$110,814	\$92,345	\$101,500	8.00100%	4.58%	s 287 S	846	
88 Customer Bill Redesign so INVD 372718 CNLCAS SCADA I Journale &	FV18 Plan	4704Q	H173 S	- 16 sine 477		S 108.47		9600				8 8	8 8	8 8	8.0710%	7.07%			
	FY18 Plan	4679			\$ 216,000	216,000	\$ 216,000	%000	\$ 216,000			8 8	8 8	8 8	8.0010%	4.58%			
91 Contractor Management Modernization	FYIS Plan	4151	G3ZZ S		300,000	8	300000	9,000	300000 S			8	8	8	8.0710%	4.82%	S		
92. K.B. Maringometri (LX Marins & LX Marins) 93. AM Program Leaders hip-l	GBE-Asset Management GBE-Asset Management	4572		277.134			s 2,110,800 S 277,124	10.0%	S 249412			S247.333	SI,040,424 S222,392	\$234.863	8.00100%	16.80%	s 2327 s	4213	
	GBE-Asset Management	4572		2,059,930	\$ 600,945		S 2,660,875	10.0%	s 2,394,788			8	\$2,314,961	\$1,157,481	8.0010%	16.89%	s 000'L s	13,483	
95 Additional IM Modules	GBE-Asset Management	4572	C210 S		\$ 604,233		S 604,233	9000	\$ 543,810			8 8	\$534,746	\$267,373	8.00100%	16.89%	S 909'1 S	1531	
	GBE-Asset Management	4572		2,426,395	5,983,122		S 8,409,517	96000	S 7,568,563			8 8	\$7,505,494	\$3,752,347	8.0710%	16.89%	s 23,067 S	659'01	
98 EAM-FIN Integration	GBE-Asset Management	4572			\$ 979,407		S 979,407	960'00	S 881,466			8	8	8	8.00100%	16.89%	s	. •	
99 Infognity Management Infogrations	GBE-Asset Management	4572			371,868		\$ 371,868	960'00	\$ 334,682			8	8	8	8.00100%	16.8%	8		
100 AM Program Leadership-3 101 Dunium (CMTh. Enteronties (CD. 4: Mobilies)	GBE-Asset Management	4572	C210 S		3010171		3010171	9000				9 8	8 8	8 8	8,00100%	16.80%			
101. Design (O.M.D.), Estimating (C.D.), & Accounty 102. Asset Analytics Integration	GBE-Asset Management	4572			8		S S	90'00'	s socioccii			8 8	8 8	8 8	8.00100%	16.80%			
103 GIS (GWD/CU) - PPM Integration	GBE-Asset Management	4572		٠				90'00'				8	8	8	8.00100%	16.89%			
104 GIS-EAM Integration	GBE- Asset Management	4572			5 1,250,000	S 1,250,000		90'00'	\$ 1,125,000			8	8	8	8.00100%	16.89%	s		
105 AM Program Leadership 4	GBE-Asset Management	57.2						90'00'	· ·	3/1/2021		9. 5	9. 8	88	8.00109%	16.89%			
100 Ost Carolin (CAD) & Edinarin of FSW)	GBE-Asset Management	4572	C210 S					2000		11/2021		8 8	8 8	8 8	8.00100%	16.80%			
106 Program Learning Management-1	GBE- Business Enablement	4572		117,297		117,297		9,000	S 105,567			\$104,687	594,131	899,409	8.00100%	16.89%	S 586 S		
109 Program Trans formational Change Office-1	GBE- Bus iness Enablement	4572		689,043		8 689,043		9,000	\$ 620,135			\$614,971	\$552,957	\$583,964	8.00100%	16.89%	s 5,786 S		
110 Program Business Sustainment-1	GBE-Business Enablement	4572			5 69,617	8 69,617 8		9,000	\$ 62655			8 8	\$62,133	531,067	8.00100%	96891	S 161 S		
111 Program Learning Managements. 112 Program Transformational Champs Office -2	GBE-Basiness Inablement	4572	C210 S		150211	150211		0.0%	N. 1364671			9 9	5116,213 501 151 IR	\$676.661	8.00100%	16.80%	8 787 8		
113 Program Learning Management-3	GBE- Business Enablement	4572						90'00'	s	3/1/2020		8	8	8	8.0710%	16.89%			
114 Program Trans formational Change Office-3	GBE- Bus iness Enablement	4572						90'00'		3/1/2020		8	8	8	8.00100%	16.89%	s . s		
115 Program Business Sustainment-2	GBE-Business Enablement	4572						90'00		3/1/2021		8 8	8 8	8 8	8.0010%	16.89%	s .		
110 Program Learning Management—4 117 Program Demotives (Names Office)	GBE-Business Inablement	4577	C210					9000		1700/10		9 9	9 9	8 8	8,0110%	16.80%			
118 Customer Experience Program Leadership-1	GBE-Customer Engagement	4572			\$ 260,229	\$ 260,229	S 260,229	9,000	s 234206			8	\$232,254	\$116,127	8.00100%	16.89%	S 714 S	330	
119 CxTPortal & Channel Management	GBE-Customer Engagement	4572			889/629/9	89'629'9	S 6,679,688	960'01	S 6,011,71S			S	8	8	8.00100%	16.8%	s .		
120 Customer Interaction - First Rokasse 121 Econologica Samonal Interaction - Direct Dalance	GBE-Customer Engagement	572	C210 S		1,780,471	1,780,471	S 1,780,471	90'00	S 1,602,424			88	88	88	8.00100%	96891	S		
122 Customer Experience Program Leadership-2	GBE-Customer Engagement	4572				S .		9,000	s s		8	8 8	8 8	8 8	8.0710%	16.80%			
123 CRM / Contact Center	GBE-Customer Engagement	4572			S 15,200,000	S 15,200,000	S 15,200,000	9,000	S 13,680,000		130	8	8	8	8.00100%	16.89%	s .		
124 Large Commercial & Landbord Interaction	GBE-Customer Engagement	4572	C210 S		S 15,723	5 15,723	S 15,723	90'00'	S 14,150		8 8	88	8 8	88	8.00100%	16.89%			
126 Customer Interaction - Second Relace	GBE-Customer Engagement	4572						9,000		1/1/2021	130	8 9	8 8	8 8	8.0710%	16.89%			
127 Customer Experience Program Leadership-3	GBE-Customer Engagement	4572						960'00			130	8	8	8	8.00100%	16.89%			
128 Data Management Implementation (Quality & Cleansing)	GBE- Data Management	4572		11,100,000 \$		000'001'11	S 11,100,000	90'00'	3 9990000		130	89,657,000	000'859'88	89,157,500	8.0010%	16.89%	s 90,730 S		
129 Data Management & Governance Program Leadership-I	GBE- Data Management	4572	C210 S	28,890		311.96	06885 8	9000	S 53001		8 8	SS2.559	547,250	\$49,999	8,00100%	96899	S 161 S		
131 Data Management & Governance Program Leadership-2	GBE- Data Management	4572			87,954	87,954	S 87954	9,000	8 S		8	8	\$78,499	\$19,319	8.00100%	16.89%	S 241 S		
13.2 Data Management & Governance Program Leadership-3	GBE- Data Management	4572						90'00'	· ·		130	8	8	8	8.00100%	16.89%	s .		
133 PowerPlan Architecture Enhancements	GBE-Information Services Enabling	4572	C210 S	111,080,0		S 6,080,111	III(080)9 S	90'00	S 5,472,100		8 8	SS,244,096	81,096,886	164,070,481	8.00100%	16.89%	S 49,246 S		
134 Comprehensive integration services (chinancemens) 135 Application (Envisorment) Infrastructure	GBE-Information Services Enabling	4572		2174,410		2.174.410	s /epz4	9,000	996961 s		8 8	SI,891,737	SI 696.040	SI,793,888	8.0710%	16.80%	s ens s		
136 Development Operations & BPA Brublement-1	GBE-Information Services Enabling	4572		2,903,920		\$ 2,903,920	\$ 2,903,920	960'00	\$ 2,613,528		130	82,591,349	\$2,330,396	\$2,461,072	8.00100%	16.89%	S 24,384 S		
137 SAP and Application Integration Development-Release 1-1	GBE-Information Services Enabling	4572		4,765,187		8 4,765,187	S 4,765,187	9,000	S 4,288,668		130	\$4,252,929	\$3,824,063	\$1,038,496	8.00100%	16.89%	S 40,012 S		
138 Mobility CoE & End-User Computing-1	GBE-Information Services Enabling	572	C210 S	604,730		8 604,730	S 604,790	90'00'	\$ 544311		8 8	8539,775	\$485,344	\$512,559	8.0710%	16.89%	S 5,078 S		
140 Development Operations & BPA Brablement-2	GBE-Information Services Enabling	4572			2,562011	2,562,011	s 2.562011	9,000	S 2,305,810		8 8	8 8	\$2,286,596	\$1,143,297	8.0010%	16.80%	s 7,004 S		
141 SAP and Application Integration Development-Rolease 1-2	GBE-Information Services Enabling	4572			\$ 4,548,168	\$ 4,548,168	\$ 4,548,168	9,000	\$ 4,093,351		130	8	\$4,059,240	\$2,029,620	8.00100%	16.89%	s 12,487 S		
142. SAP and. Application Integration Development-Rolease 2-1	GBE-Information Services Enabling	\$2	C210 S		5,055,712	\$ 5,055,712	\$ 5,055,712	90'00'	S 4,550,140		8 8	88	\$4,512,223	S2,256,111	8.0010%	16.89%	S 13,880 S		
143 Mootiny Cott of Enter-Lordy Computings. 144 Development Operations & BPA Fraithement.3	GBE-Information Services Enabling GBE-Information Services Enabling	4572			occhro	occurs	occms	9000	s 28/82.		9 8	9 9	08 1788 8	S S	8.00100%	16.89%	s (757 s		
145 SAP and Application Integration Development-Rolease 1-3	GBE-Information Services Enabling	4572					· · · · · · · · · · · · · · · · · · ·	9,000	s	3/1/2020	130	8	8	8	8.00100%	16.89%	s .		
146 SAP and Application Integration Development-Rolease 2-2	GBE-Information Services Enabling	4572						90'00		3/1/2020	8	S (	8 8	8 1	8.0010%	16.89%	s .		
147 SAF and Application in ogranion Levelopment- Roleide 3-1 148. Mobility CoE & End-User Computing-3	GBE-Information Services Enabling GBE-Information Services Enabling	4572						10.0%		3/1/2020	8 8	8 8	8 8	3 8	8.0010%	16.8%			
149 Test Automation Implementation	GBE-Information Services Enabling	4572	C210 S	490,509	5 1,034,882	S 1,525,391	S 1,525,391	90'00'	s 1,372,852	12/1/2020	130	8	8	8	8.00100%	16.89%	s .		
150 Development Operations & BPA Enablement-4	GBE-Information Services Enabling	4572						9,000	S	3/1/2021	130	8	8	8	8.0710%	16.89%	s . s		

For the Rare V sur ended March 31, 2019												4/1/2018	3/31/2019		8:0010%	52100			
			Forecasted Balance	FY19 horomonta	Forecasted Balano	Adjust	Adjusted Forecasted Fiscal Balance at Fiscal Year End		Forecasted Balance after Fiscal Year End (FY 19)(After	-	Amontization			×	avies Co				
Line Investment Name	Programs	B	tool Fiscal Year End (FY18)	s) Additions	Year End (FY19)	(61	FY19, %	panogr	Slippago/Cufs)	-8	Period	4/1/2018 Balance 3	3/31/2019 Bulance A	verage Balance	Return NIM	DG Allocation	NIMO G Rent-Roturn NB	NIMOG Rent - Depn	
151 SAP and Application Integration Development-Rotease 1-4 152 SAP and Agolication Inspiration Development-Rotease 3-2	GBE-Information Services Enabling GBE-Information Services Enabling		C210 S		o o			10.0%		3/1/2021	8 8	9 9	9 9	88	8,0710%	16.80% S			
153 Mobility CoE & End-User Computing-4	GBE-Information Services Enabling		s	·	s	s .		9,000			130	8	8	8	8.0010%	16.89% S	s .		
154 Port Otho Management Leadership-I	GBE- Portfolio Office		10 S 1,645,919			1,645,919 S	1,645,919	90'00	S 1,481,327		8 8	\$1,468,983	SI,320,850	SI 394,916	8.0710%	16.89% S	B,820 S	25,020	
156 Port folio Management Leadership-2	GBE- Portfolio Office		. «	\$ 2,144,482		144,482 S	2,144,482	90'00	-000061 S		8 8	8	\$1,913,930	\$956,975	8.0710%	16.89% S	5,887 S	2,717	
157 Solution Architects & Agile Couches-2	GBE- Portfolio Office	4572 C210	s 00 1	\$ 3,964,63	s	964,672 S	3,964,632	9000	3,568,16		81	8 1	\$3,538,434	\$1,769,217	8.0010%	16.89% S	10,884 S	5,022	
159 Fortholio Management Latacership 55 159 Solution Architects & Agile Couches-3	GBE- Portible Office		v v	, ,	, v	, ,		800%		3/1/2020	9.8	яя	я я	3 3	8.0710%	16.80% 5			
160 Port folio Management Loadership 4	GBE- Portfolio Office							960'00			8	8	1 8	8	8.0710%	16.89% S			
161 Regulatory/Compliance	GBE- Regulatory and Compliance		10 S 750,000	00 \$ 1,500,000	s	250,000 S	2,250,000	90'00	\$ 2,025,000		8 5	8 8	8 2	8 55	8.0710%	16.89% S			
162. Supply Cham Program Leadership 163. Surroly Chain Program Leadership	GBE-Supply Chain GBE-Supply Chain	4572 C210 4572 C210	× ×	s 20,000 s	× ×	S 90'000	365045	2000	S - S		8 8	яя	90 <del>1</del> 7053	8252,B1	8.0710%	16.8%	8 1861	91.	
164 Basiness Architecture Design	GBE-Work Management		· s		S	004,005 S	3,004,085	9,000	7,703,677		18	\$2,613,554	\$2,343,186	\$2,478,370	8.0710%	16.89% S	34,555 S	45,665	
165 WMFE Program Leadership-1	GBE-Work Management		10 S 234,013	s 0	s	234,013 \$	234,013	90'00'	210,012		8 8	5208,857	\$187,798	8198,226	8.0710%	16.89% S	1,965 \$	3,557	
160 CUGovernance & Library - process	GBE-WorkManagement	4572 C210	o 0	n 01		658.439 S	1.658,439	9000	S 1.492.59		9.8	8 8	\$1,430,400	S715.202	8.0710%	16.89% S	4307 S	105.01	
168 WMFE Program Leadership-2	GBE-Work Management		S	S	S	563,692 S	563,692	9,000	S 507,32		130	8	\$501,095	\$251,518	8.0710%	16.89% S	1,548 \$	714	
<ol> <li>Company Driven Work: Collections and non-Appointment Offs - Gas</li> <li>Common Driven Mode: Collections and non-American of the Electric</li> </ol>	GBE-Work Management	4572 C210	10 S 2,366,407 08 C 1774,710	07 S 1,773,327	s	4,139,734 \$	4,139,734	90'00'	S 3,725,761		8 5	8.5	8.5	8 8	8.0710%	16.8% S			
77 Conformer, Los k Investigation & Inspections - Gas	GBE-Work Management					086,410 S	10,086,410	9000	8 9,077.76		3 8	8 8	8 8	8 8	8.0710%	16.8%			
172 Customer, Leak Investigation & Inspections - Bectric	GBE-Work Management		s	s	S	431,148 S	5,431,143	9,000	S 4,888,02		130	S	8	8	8.0710%	\$ 9,000	s .		
173 WMFE Program Lead criship-3	GBE-Work Management				ν.			9000		3/1/2020	8 8	88	88	88	8.0710%	16.89% S			
175 Construction Work & Lonk Renair	GBE-Work Management			S 1832544	۰ ۷	1832 544 S	1.832.544	0.00%	. s 1649290		9.8	8 8	8 8	8 8	8.0710%	16.80% S			
176 WMFE Program Load crship-4	GBE-Work Management	4572 C210	s 00	8	~			9,000			130	8	8	8	8.0710%	16.89% S			
177 Work Forecasting & Planning - solution	GBE-Work Management		s 00	9	s	8 .		90'00'		5/1/2021	021	8	8	8	8.0010%	16.89% S			
178 Core Projects & Program Management	GBE-Work Management			· ·	v •	00		90.00		6/1/2021	8 8	9 8	9. 8	88	8,0010%	16.89% S			
130 Customer Experience Transformation-Communication Preference Management	Growth Play Book-CXT			s 673,66		673,662 S	673,662	0.0%	s 673,662		3 3	8 8	3 8	8 8	8.0710%	8.69%			
181 Customer Experience Transformation-MyAccount Portal	Growth Play Book-CXT		s	s	s	863,062 \$	2,863,062	9,000	S 2,863,067		2	8	8	8	8.0710%	8.69% S			
182 Governance Risk & Compliance (GRC) Optimization/Upgrade	Growth Play Book-Finance		20 S 922,028	s	s	540,000 S	1,540,000	9,000	S 1,540,000		2	8	\$1,521,667	\$760,833	8.0010%	4.58% S	1,266 \$	840	
183 US SAP: Business Planning	Growth Play Book-Finance	4217 G020	S	s	S	643,000 S	4,643,000	9000	S 4,643,000		3 3	8 8	\$1,643,000	\$2,321,500	8.0710%	4.58% S	3,893 \$		
184 USSAP: FERC on Ham (FOH) 185 DRAS Gr Ch Domond Depositor	Growth Play Book-Finance NV B EV / Gred Med		s s	\$ 442933	· ·	442,933 S	1 190159	3000	5 44293.		3 3	8 8	9 8	8 8	8,001,00%	0.00%			
186 Load and DER Forecasting (Acquisition of Remote Sensing Data - NY)	NY REV / Grid Mod	4729 C1B	B \$ 8526.273			526.273 S	8,526,273	0.0%	S 8,526,27;		2 3	\$7,308,234	86,090,198	\$6,699,214	8.0710%	27.09% S	12,116 \$	329,967	
187 Plant Information Historian	NY REV / Grid Mod		S	S	S	S 000'005	2,500,000	9,000	S 2,500,000		2	8	8	8	8.0710%	S 9,000			
188 DG KOAP Phase II (Tactical)	NY REV / Grid Mod		. S 30	\$ 306,482	s	308,482 S	308,482	%000	308,482		3 :	8 1	8	8	8.0710%	S 9,000	s ·		
189 E-Commerce Marketplace	NY REV / Graft Mod		OE 8	8 2524	× •	532,244 S	252,244	9000	4/25c		ž J	9 8	9 8	3 8	8001008	3000			
191 AMI - CSS Enhancements	NY REV / Grid Mod		CIB S					9000			ā	8 8	3 8	8 8	8.0710%	27.09% S			
192. Green Button Connect	NY REV / Grid Mod	4704C C113	B 8	\$ 1,035,000		\$ 000'\$500'1	1,035,000	9,000	s 1,035,000		2	8	8	8	8.0710%	27.09% S			
193 DSP - DG IOAP	NY REV / Grid Mod		0E S	s	S	S		9,000		3/31/2021	3	8	8	8	8.0710%	0.00%	S		
194 AMI - Tekecoms	NY REV / Grid Mod	47041 523	S210E S		. v	S - 12021	130614	3000	. S		Z Z	9.8	9. 8	88	8.0710%	9000			
196 DRMS for C&I Demand Response (Renewal)	NY REV / Grid Mod		0E 8				10000	9,000	s S		2 3	8 8	8 8	8 8	8.0710%	0000			
197 Grid MOD - ABB/ADMS & D-SCADA	NY REV / Grid Mod		. S 30	s	s	s .		9,000		3/31/2022	2	8	8	8	8.0710%	\$ 9,000	s .		
198 AMI - Tekcoms	NY REV / Grid Mod	47041 523	\$210E \$		9 (	9 (		9,000		3/31/2022	3 3	8 (	8 8	8 1	8.0710%	\$ 9,000			
1999 AMI - Emorganise Service Bass & API Integration 2000 AMI - Enterprise Service Bass & API Integration	NY REV / Graf Mod		S 18		× •			8000		3/31/2022	3 3	8 8	9 9	8 8	8001098	27.09% S			
201 AMI-Info Mgt & Advanced Analytics	NY REV / Grid Mod		CIB S					%000		3/31/2022	: 3	8 8	8	8	8.0710%	27.09% S			
202 AMI - Info Mgt & Advanced Analytics	NY REV / Grid Mod		OE S	· .	s	s .		9,000		3/31/2022	ž	8	8	8	8.0010%	0.00%	s .		
203 IS-Cloud Computing & Data Lake	NY REV / Grid Mod				0			9000		3/31/2022	Z :	9.8	9 8	S S	8.0010%	27.09% S			
205 Cyber Scaurity	NY REV / Grid Mod		II S					9000		3/31/2022	3 3	8 8	8 8	3 3	8.0710%	27.09% S			
206 Cyber Security	NY REV / Grid Mod		OE S	·	s	s .		9,000			2	8	8	8	8.00100%	\$ 9,000			
207 Residential Solar Marketplace	NY REV / Grid Mod		5210E S	S 54,350	s	54,350 S	54350	9000	S 54350		98	8 000	\$54,350	\$27,175	8.0710%	\$ 9,000			
200 INVP 3851 Consolidated Voice Recorder for US Electric Control Rooms	Officer Mandates	3851 GI				234,000 S	1,234,000	9000	s 1,000/m	3/31/2018	ā	\$1,234,000	SI.057.714	\$1.145.867	8.0710%	000%	S 770'H	(OL)	
210 Annual HR & Payroll Mandatory Service Pack Upgrade (HRSP) - FY18	Other Mandates		S	. s s	s	126,000 S	1,126,000	9,000	S 1,126,000		3	\$1,085,786	8924,929	\$1,005,357	8.0710%	4.58% S	2,701 S	7,367	
211 Regulatory Mandates - FV18	Other Mandates		S	s	s			9000		3/31/2018	2 :	8	8	8	8.0010%	4.58% S			
212 US Control-Kas Decrement Ballet in Board (EBB) Upgrade 213 Decembration Manufacture, EV10	Other Mandates Other Mandates	4479 G2	v o	67 8 1,438,535	× •	0000000	3,000,000	9000	orionolic s		ž J	9 8	N,007,145	105,004,18	8001008	12.44% S	S 866,c	48,871	
214 Regulatory Mandators - FY20	Other Mandates	8 8				0 0		9,000		3/31/2020	: 3	8 8	8 8	8 8	8.0710%	4.58% S			
215 Regulatory Mandates - FY21	Other Mandates	8	s	·	s	s .		%000			3	8	8	8	8.0710%	4.58% S	s .		
216 Physical Security Replicements - FY17	Physical Security	8 8	2719,184		S .	2,719,184 S	2,719,184	9000	S 2,719,184		3 1	\$2,330,729	SI,942,275	\$2,136,502	8.0710%	4.58%	6,045 S	17,79	
213 Physical Security Replacements - FF17 218 Physical Security Replacements - FY17	Physical Security	3 3			· ·			9000			z z	8 8	8 8	8 8	8.0710%	0.00%			
219 Physical Security Replacements - FY18	Physical Security	99	8	. s s	s	S 000'056	950,000	9,000	000056 S		2	8950,000	\$814,286	S882, H3	8.00100%	4.58% S	2,370 S	6,216	
220 All NIMO Physical Security Replacements - FV18	Physical Security	5 6	M S 490,000		s	490,000 S	490,000	3,000	S 490,000	3/31/2018	3 :	\$490,000	\$420,000	\$455,000	8.0710%	15.97% S	4,262 S	671,11	
222 Physical Security Redicements - FT 18	Physical Scorniy	3 3	s 8								į	RЯ	RR	3 3	8.0710%	0000			
223 Physical Sceunity Rep Incoments - FY19	Physical Security	8	8	S 825,000	so	825,000 S	825,000	9,000	s 825,000		: 2	1 8	\$825,000	\$412,500	8.0710%	4.58% S	692 S		
224 All NIMO Physical Security Replacements - FV19	Physical Security	15 E	SH	s 275,00	so	275,000 S	275,000	%000	S 275,000		3 3	8 8	\$275,000	\$137,500	8.0710%	15.97% S	804 S		
225 Physical Security Replicancins - FT 19 226 Physical Security Replicancins - FY 19	Physical Scounty	3 3	s 8 8					9000		3/31/2019	3 3	8 8	8 8	3 3	8.0710%	0000			
227 Physical Security Replacements - FY 20	Physical Security	99	s e	s	s	S		9,000		3/31/2020	3	8	8	8	8.0710%	4.58% S			
228 All NIMO Physical Scourity Replacements - FV20	Physical Security	HID HID	S S	· ·	s c	۰ ۰		%000		3/31/2020	2 2	SR 8	S 8	88	8.0710%	\$ 3,4651			
229 Physical Security Rep tecments - FY20 230 Physical Security Rep tecments - FY20	Physical Security Physical Security	33	× ×		N N			9000		3/31/2020	\$ 3	3 8	3 8	3 8	8.0710%	0.00% S			

												4/1/2018	3/31/2019		8.0710%	S210G			
			Forecas ted	Balance at	FY19 horomontal Force	A Forecasted Balance at Fiscal Balan	Adjusted Forecasted Balance at Fiscal Year End		Forecasted Balance after Fiscal Year End (FY 19)(After		Amontization				Survice Co				
Line Investment Name	Programs	INVP# Bill	_	8		(car End (FY19)	(FY19)	% Slippa	Slippago/Cuts)	=	Period	4/1/2018 Balance	3/31/2019 Balance	Average Balance	Return N	NIMOG Allocation	NIMO G Rent-Return N	NIMOG Rent - Depe	g.
231 Physical Security Rep licements - FY21	Physical Security	0 (	G000 S					9000	· ·	3/31/2021	3 3	9 8	9.8	88	8.0710%	4.58%			
233 Physical Scennics Replacements - FV21	Physical Security							9000		1/1/2021	ī	8 8	8 8	8 8	800008	0000			
234 Physical Security Rep licements - FY21	Physical Scourity		G423 S				٠	9,000		3/31/2021	z	8	8	8	8.0710%	9,000		•	
235 INVP 4451 Gas Transportation System Phase II	PSC Mandate		G22S S	8	0			%000	8	5/31/2017	2	8	8	8	8.00100%	9,000			
236 INVP 4347 NYC Leave on for Landtood Program	PSC Mandate	4347 52	5220G S			S 2717271	2717071	%0°0	2	7/31/2017	3 3	8 9	8 2 2 2 2	8 9 8	8.0710%	9000			
238 INVP 3899A NY Regal Access Ph2	PSC Mandate		CIS S	5.356.231 S		5,356,231 S	5.356231	9000	\$ 53562		z	\$5,037,408	\$4.272.232	\$4,654,820	8.0710%	14.88%	S 069.04	18.8	888
239 INVP 4411AB Distributed Generation Portal	PSC Mandate		C198 S	3,347,611 \$		3,347,611 \$	3,347,611	%000	3,347,611		3	188,201	E2,709,971	\$2,949,086	8.0710%	9000			
240 INVP 4383 NY Community Choice Aggregation	PSC Mandate	4383 C	C170 S	551,447 S		SS1,447 S	551,447	9,000	S 551,4		ž	\$531,752	\$452,974	\$492,363	8.0710%	14.88%	4,298 S	7.11	722
241 INVP 4448 Low Income Order CRIS	PSC Mandate		\$220G S		0			%000	8		2	8	8	8	8.00100%	9,000			
242 INVP 4448 Low Income Order CSS	PSC Mandate		C196 S	2,489,410 S		2,489,410 S	2,489,410	9,000	S 2,489,4		3	\$2,400,503	\$2,044,873	\$2,222,688	8.0710%	21.56%	S.III S	26,67	674
243 INVP 44 IC New Electric Connections	PSC Mandate		C198 S	444,010 S	253,990 \$	S 000/369	0003690	800	0000000 0000000		3 3	8 8	96,000	8303,298	8,010%	9000%	. 305	. 80	
244 CBD Backerd	Took Medemination		0000	3 0775	9 (6)/200	3 096,961 3	6.136.450	3000	face 6		8 3	St 401 St 4	021 668 170	84 014 006	8001008	4 69%	3 2700 9	2,0	8 9
246 Active Directory Improvements	Tech Mederation		Good S	275 000 S		275 000 S	275000	9000	2750		3	\$275,000	MT 21528	52.555.357	8001006	4.58%	S 989	K	3 20
247 Application Performance Management (APM)	Tech. Modernization		GOOD S	54,825 S	288814 S	343,638 \$	343,638	9000	S 343£		3	8	8	8	8.0710%	4.58%			
248 RAS/VPN Re-Platform/Mobile	Tech. Modernization		G020 S	S 000'009	S	S 000'009	0000009	9,000	5009 S		3	\$592,857	\$507,143	\$550,000	8.0710%	4.58%	5 1,478 S	3,92	979
249 US Network Programme	Tech. Modernization		S 0000	2,237,779 S	787,221 S	3,025,000 \$	3,025,000	9000	3,025		ž	8	52,772,917	\$1,386,458	8.0710%	4.58%	5 2,197 S	2,11	545
250 US VSTIG Programme	Tech. Modernization		G020 S	2,700,000 S	. s	2,700,000 S	2,700,000	9,000	S 2,700g		3	22,700,000	22,314,286	\$2,507,143	8.00100%	4.58%	s 6,736 S	17,66	999
251 US Witehass Programme	Tech. Modernization	4499 G	G020 S	S 000'056'1		1,950,000 S	1,950,000	9,000	J056,1 8		z	S1,950,000	\$1,671,429	\$1,810,714	8.001.00%	4.58%	s 4,865 S	12,73	759
252 Monitoring and Abrting	Tech. Modernization		G020 S	65,789 S	346,576 \$	412,366 S	412,366	9000	S 412,3		ž	8	8	8	8.0710%	4.58%			
253 RSA Re-platform	Tech. Modernization		G020 S	40,936 \$	215,648 \$	256,583 \$	256,583	%000	\$ 256,5		ž	8	8	8	8.0710%	4.58%			
254 Cloud Broker - Hybrid Enablement	Tech. Modernization		G000 S	250,000 S	8	250,000 S	250,000	%000	\$ 2500		3	\$250,000	\$214,286	\$232,143	8.0010%	4.58%	624 S	91	999
255 Office 2010 Upgrade	Tech. Modernization	4265	G000 S	S 666911	616136 \$	733,006 S	733,095	9000	S 733g		ž :	8	8	8	8.0710%	4.58%		• ;	. :
236 Cirinx Infratracture Upgarde (Xenapp and NetScaler)	Tech. Medernization		G000 S	318,038 S	181,942 S	S 000'000 S	300000	%0°0	3000		3 3	8 8	\$4,453 8	\$217,362	8.0010%	4.58%	3118	5,5	666
25) Business limo valorin Projects 1	Total Modernization		0000 s	492,487 S	2,394,404 S	3,000,000,0	3,086,892	3000	3,086,2		\$ 3	8 8	8 8	3 8	8.0010%	4.58%			
256 Orthospation and Solf Sensice	Tech Medemization		Good s		34,070 5	3 169 636	269636	3000	9000		1 3	8 8	8.5	8 8	8,0010%	7 7 7			
260 Virtual Decision - DanS	Tech Modernization		Good S	S Pys opt	S 911000	\$ 0000y	440000	9000	3055		3	8 8	\$510.74	23.66.367	8 0710%	4 58%	S 307	2	82
261 SCI compositions	Tech. Medernization	4495	GOOD S	63.612 \$	36388 S	100,000 S	100000	9000	300I S		: 3	8	\$92.857	846,429	8.0710%	188	7 8		327
262 US SAP: Dynamic Storage Tiering	Tech. Modernization		GOOD S	S	456,406 S	456,406 S	456,406	9,000	\$ 4564		z	8	8	8	8.0710%	4.58%			
263 ICE Replacement	Tech. Modernization		G020 S	2,548,068 S	767,932 S	3,316,000 \$	3,316,000	9,000	3,316,0		2	8	83,118,619	015,959,310	8.0710%	4.58%	3 2,515 \$	0'6	040
264 USNetwork Programme	Tech. Modernization		G020 S					9,000	s	3/31/2020	ž	8	8	8	8.00100%	4.58%			
265 US VSTIG Programme	Tech. Modernization	94498	G000 S		S	s .		9,000	S		3	8	8	8	8.0710%	4.58%			
266 US Wirekes Programme	Tech. Medernization		GOOD S					3000			Z 3	я 8	9 8	Я 8	8.0010%	4.58%			
20) Data Visitation Drive persons  20) Data Visitation Windows (DW) Consolidation to HANA Determine of Cloud (HDC).	Took Mederatories		2000		3 677 50	3 000,000	200,000	0000	2000		\$ 3	2 8	8 8	8 8	8.001006	4 50%			
269 Men itorine and Alextine	Tech Medernization	9 1007	Good s		S .	S .	******	9000		1/31/2021	3	8 8	8 8	8 8	8001006	4.58%			
270 MWORK and Netroction Risk Avoidance	Tech. Medernization		G020 S		168415 \$	168.415 \$	168.415	9000	8 1684		ž	8	8	8	8.0010%	7887			
271 Improving End User Experience- Cloud based DMZ Service Platform	Tech. Modernization		G020 S	· ·	300,000	300,000	300,000	9,000	300C S		2	8	\$300,000	\$150,000	8.00100.8	4.58%	s 252 S		
272 Mobile Broatband POC	Tech. Modernization		G020 S	s .	S 000'001	S 000'001	100000	9,000	S 1000		ž	8	\$100,000	850,000	8.0710%	4.58%	s 48 S		
273 FY19 Edge Projects	Tech. Medernization		G020 S	s .	336,831 \$	336,831 \$	336,831	9000	S 336,8		ž	8	8	8	8.00100%	4.58%			
274 FY19 Network Projects	Tech. Modernization	4718 G	G000 S	s .	336831 \$	336,831 \$	336,831	%000	3368		z	8	8	8	8.0710%	4.58%			
275 Digital Asset Management (DAM)	Tech. Medernization		G000 S		168,415 S	168,415 S	168,415	9000	S 168/		<b>3</b> :	8 1	8 1	8 1	8.0010%	4.58%			
276 Business Innovation Projects	Tech. Medernization		G000 s		1,338,308 S	1,338,308 S	1,338,308	800	S 1,338,3		3 3	88	88	88	8.0710%	4.58%			
272 Business Into autom Polyces 2	Took Medemination		0000		9 539611	3 1377611	1,134,63	3000	3 1346			8 8	8 8	8 8	0.01000	4.500			
270 EUC automotic and data conductations	Took Medianismon	4715	2 0000		5 550,151,1	3 (20'16'1')	500,451,1	9000	34017		\$ 3	8 8	8 8	8 8	8.001006	4 5000			
250 Data Security	Tech. Medernization		Good S		\$30,509	\$30,500 \$	830,509	9000	\$ \$305		: 3	8	8	8	8.0010%	188			
281 FY19 Data Centre Projects	Tech. Modernization		GOOD S	· s	673,662 S	673,662 S	673,662	9,000	\$ 673,6		z	8	8	8	8.0710%	4.58%			
282 1327 Interfaces - 523 FTS, 340 RDX, 245 MQS1, 253 JCAPS, 44 PM4D, 7 VB	Tech. Modernization	4706 G	G020 S		3,300,000 S	3,300,000 S	3,300,000	9,000	3,300,000	00 4/1/2019	ž	8	8	8	8.0710%	4.58%		•	
283 US Video Conference Programme	Tech. Modernization		CODO S		1,000,000 S	S 000'000'1	1,000,000	9000	S .		Z :	8 1	8 :	8	8.0010%	4.5%			
284 US SAP: Enhancement Pack 9 Upgrade	Tech. Modernization	989	COD S		1,600,798 S	S 86/009/1	8600091	9,000	00001		<b>3</b> 3	8 8	9 8	8 8	8.00.10%	4,38%			
286 118 VSTRC Programme	Tools Medemication		good s		o (arrer	e minor	Cariaco	9000	face o		ā	8 8	8 8	8 8	8 001006	4 58%			
287 US Wigeless Programme	Tech. Modernization		GOD S					9,000		3/31/2021	3	8 9	8 8	8	8.0710%	189			
288 Mon storing and Aberting	Tech. Modernization		S GOOD	S				%000	s	3/31/2021	3	8	8	8	8.0710%	4.58%			
289 Service Now - Release 3	Tech. Modernization		G020 S					9,000	s		2	8	8	8	8.00100%	4.58%			
290 ISTools	Tech. Modernization		G020 S	s .	173,770 S	S 077,871	077,571	9,000	S 173,7		2	8	8	8	8.0710%	4.58%	s .		
291 FY20 Edge Projects	Tech. Modernization		G020 S		8 020599	\$ 000,500	665,020	9,000	\$ ees		ž	8	8	8	8.00100%	4.58%			
292 FY20 Network Projects	Tech. Modernization		G020 S	s .	\$ 686,966	\$ 686'966	686966	9000	\$966 S		ž	8	8	8	8.00100%	4.58%			
293 EMM Licenses	Tech. Medernization		S 0000		444617 S	444,617 S	444617	3000	S 444£		ž i	8 8	88	8 8	8.0710%	4.58%			
254 Business Innovation Projects 2	Took Medicalization		2000		2 000000	3 000000	900000	9000	inos s		\$ 3	2 8	8 8	8 8	8001000	4.58%			
296 Data Sounds	Tech Medernization	97/4	0000 s		\$ 000,000 \$ 000,000	\$ 600,000	905015	* %0°0	905015 S	3/31/2021	ī	8 8	RR	8 8	8.0710%	4.58%			
297 Hardware and Software Up grades	Tech. Medernization		GOOD S					9000			3	8 8	8 8	8	8.0710%	188			
298 Data Centre Consolidation efforts	Tech. Modernization	4709 G	G020 S		S 000,000	S 000'00S	200,000	9,000	S 500,000		20	8	8	8	8.0710%	4.58%	s .	•	
299 FY20 Data Centre Projects	Tech. Modernization		G020 S		s .	s .		9,000	s	3/31/2021	ž	8	8	8	8.0710%	4.58%		•	
300 Enterprise Data Management Platform	Tech. Medernization		G020 S					9,000		6/1/2021	ಪ :	8 1	8 1	8 1	8.0710%	4.58%			
301 Business Innovativon Projects 2	Tech. Medernization	4708 G - 6236	2000 s					%0°0		3/31/2022	3 3	88	88	88	8.0710%	4.58%			
792. Datames mino utom rio pesa 3 TogaliS	IXII. recognisance		s s	259929,434 S	194.639,135 \$	454,568,599 \$	454,568,559	8/8/8	5 438,4542	S7 (2000)	L)	S 176,588,915 S	268,875,951	3 222,732,433	A/A1/WW	in colorina.	1,047,007 \$	2,616,00	. \$50
CONTRACT			Þ	and Applications of	- Carrier Control	The second section is	Same of the					- Charles	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			· satisfate	100	

Yor the Rate Year ended March 31, 2020											477,2019	3/31/2020		8 02 10%	50155			
						Adjusted Forecasted		Forecasted Balance after Fiscal Year End	2 2									
Line Investment Name	Programs	VP# Bill Pool	Forecasted Balance at Fical Year End (FY19)	FY20 Incremental Additions	Forecasted Balance at Fiscal Year End (FY20)	Forecasted Bulmoe at Fiscal Balance at Fiscal Year End Year End (FY20) (FY20)	% Slineare/Distllowed			Amortization te Period	n 4/1/2019 Balance	3/31/2020 Balance	Average Balance	Service Co Return	NIMO GAllocation	m NIMOG Rent-Return	m NIMO G Rent	
	unity		S 1,460,000	·	S 1,460,000	S 1,460,000	9,000								4.58%	s	9	
2 Risk Based Authors ration - 2FA token a harnative		3683 0000	\$ 235,080		\$ 235,080	s	3600	\$ 23500		Z 3	5307,094				4.58%	8	S 808 S	1,538
			s 800,000		8 800,000		%000	s sooo			STI4,286				4.58%		755 S	5,234
		9683 0020	000'09'I S		000'059'1 S	S	9,000	00059,1 S			\$1,453,571				4.58%	3,	S 995	10,796
6 Ennanced Dark Gasceray and Engloung 7 INVP 361487CNI Network Scornite	Cyber Scuniy		s 4829.586		s 4.829.586		%0°0	s 4.829.54		3 Z	\$3,967,160				45854	6 6 4 4	s 15	31.599
			s 1,340,144		s 1,340,144	s	9,000	\$ 1,340,1		2	\$1,000,833				4.58%	S	S +8S	8,768
9 US CNI Intrusion Detection/Prevention Planse 1  10 Manufacture American Manuscreament Disc Conjunction Manuscreament	Cyber Sounity	3683 0000	000'055 S		000'055 S	S 550,000	9600	S 550,000	731/2018	3 3	\$197,619	\$419,048	\$458,333	8.0210%	4.58%	s •	1,224 S	3,599
			000'000'I		0000001 s		9,000	000001 s		\$ 3	\$904,762				4.58%	. S	225 S	6,543
			\$ 5,234,017	\$ 275,983	S 5,500,000	s	9,000	s 5,500,000		ž	8				4.58%	s 3.	Nos S	29,988
		3683 0000	S 297,820	S 27,180	S 325,000	s	9600	S 325,000		3 3	88	\$286,310			4.58%		219 S	27.1
14 CS CN Security Entrancements Prose 1 15 Agentity & Access Management: Privileged Access Management	Cyber Socumy Cyber Socumiy		s 1,740,000	s	s 1,740,000	۰ ۷	9000	s 1,740,000		i z	SI.340,000				458%		113 s	11385
			s 800,000	·	S	8 soopoo	960'0	o sooo		z	880,000				4.58%	s	S 89	5,234
			\$ 1,120,783	\$ 145,517	S	s	9,000	S 1,266,30		25	8				4.58%	s	834 S	7,595
		3683 0000	s 4,090,466	S 531,086	s .	s .	9,000	S 4,621,552		Z 3	88	\$4,016,349			4.58%	8	943 S	27,718
19 US C N LIBRUSSON DECENDARY REVENUES AT THE SEC Z. 20 Montain & Acres Management Stand Ann Acres Management	Cyber Sounity		201/07	5 550,535			8000	2 2000		zz	3 5	\$200,000	SETUDIO SETUDIO		4.58%		0 0 0 0 1	
		3683 0000	\$ 246,948	\$ 286669			9,000	9888		: 2	8	8	8		4.58%			
			S 1,400,000	S 2,484,896			9,000	\$ 3,884,89		2	8	8	8	8.0210%	4.58%	0		
			S 246,948	S 277,723	S	s	9,000	\$ 5246		25	8	8	8	8.0210%	4.58%	8	8	
			s 500,000	S 2,188,347		s	9600	S 2,688,3		3 7	8 8	8 8	8 1	8.0210%	4.58%	0		
25 LLO LLOSO Very and importmentation; muse 2 26 LIS CNI Sociative To bencoments - Physics 2		0000		S 1500077			3000	S 1500077		i z	8 8	8 8	8 8	8.0210%	4.58%			
	Cyber Socurity			S 378,807			9,000	S 378,9		3	8 8	8 8	8 8	8.0210%	4.58%	. «		
			S	·	S	S	9,000	·		28	8	8	8	8.0210%	9,0000	s	s .	
			\$ 432,455		\$ 432,455	\$ 432,455	3600	\$ 432,455		Z 3	\$303,748	\$241,969	\$272,858	8.0210%	9,000	s	8	
30 INVP 33.3 Contrigent Lab or Admin Rop decention 31 INVP 3955 EJ Ward United to	FYIS Plan	1955 G235	(00,622		00,607		000%	100/607 8		2 2	08	067,5416 08	SIO, SI	8.0210%	0.000%		, <del>(1</del>	
			S 854,204	·	S 854,204	S	9,000	S 85420		2	\$691,498		\$630,484	8.0210%	4.83%	s	S 577	5,894
			\$ 2,256,401		\$ 2,256,401	\$ 2,256,401	9,000	\$ 2,256,401		2	\$1,826,610		SI,665,439	8.0210%	4.58%	S	4,447 S	14,763
			S 13,464,281		S B3.464,281	· ·	%00°	S 13,464,23		<b>3</b> 3	\$10,288,500		59,296,766	8.0210%	4.58%	S 25	833 S	88,095
35 INVESTMENTS Network 36 SEDICAL MILE Systemic Intercomment	FVIS Plan	0000	s 275,650		s 2,300,999 S 8,275,690		\$000 0	s 2,300,90		2 2	ST 177 230		56,010,033	8.0210%	4.58%	÷ š	3 S S	17 902
			s 1,336,479	·	S 1,336,479	S	960'0	\$ 1,336,4		Z	\$1,081,912		8986,449	8.0210%	4.58%	S 2	S34 S	8,744
			3,826,068	· .	\$ 3,826,068	s	9,000	S 3,826pt		25	\$2,732,906		\$2,459,615	8.0210%	4.58%	S 6.	s 60/	25,033
		4642 0000	3,207,476		3,207,476	s 0	9,000	5 3,207,4		Z 3	\$2,291,054		S2,061,949	8.0210%	4.58%	8 6	825 S	20,986
	FYIS Plan		s 4,130,000 S 2,100,000		s 4,136,300 S 2,100,000	۰ ۰	9000	s 2,10000		tz	\$1,80,000		000'089'IS	8.0210%	4.58%	n so	405 S	13,740
						s	9,000			2	8		8	8.0210%	9,0000	s		
			\$ 254,000		\$ 254,000	000	9600	S 254pt		Z :	\$217,714		175,9918	8.0210%	4.58%	000	S33 S	1,662
44 INVF41/01/mis transformation 45 INVP4420/USCNI OMSFocalPoint Infrastructure Upgrade	FYIS Plan	4170 G020 4420 G198	s 2,00,143 S 706,521		S 705,521	s 2,076,143 S 705,521	%0°0	s 2,0/0,143	523/2017	3 3	SS20,742 SS20,742	S419.95	\$470,347	8.0210%	4.38%	n on	8 1 8	015,11
			s 608,000		000'809 S	S	9,000	S 608,0		2	\$501,143		\$477,714	8.0210%	4.58%	S	275 S	3,978
			S 1,702,730	·	S 1,702,730	S	9,000	S 1,702,7		25	\$1,297,318		\$1,175,695	8.0210%	4.58%	3,	S 990	11,141
48 HX DX, Improvement server Kerrein 49 DXVP 4464 Data Visualization		16/6 0020	s 7.000,000		S 7.000,000	, ,	%000 0	S 7.000,0		2 2	SS 771 219		\$785,714	8.0210%	4.58%	8 2	28.5	46.241
	FY18 Plan		\$ 1,162,000		S 1,162,000	S	9,000	s 1,162,00		2	\$968,333		\$885,333	8.0210%	4.58%	8	3e4 S	7,603
			38,000	·	S 382,000	S	9,000	S 38200		3 7	\$309,238		\$281,962	8.0210%	9,000	s	S	
52 INVP-4461 URIX) Inferitors Magation 53 INVP-437Acrine Direction (Investida	FYIS Plan	1387 (3020	S 801.85,701		S 1,386,701	, ,	%000 0	S 2048		2 2	SU,D.2,093 SG0 688		Si,073,042 S613,300	8.0210%	4.58%	8 8	8 2 2 2	5,003
			\$ 496,672	s 45,328	S 542,000	· s	960'0	S 54200		z	8		\$235,512	8.0210%	12.44%		s 696	8,829
	FY18 Plan		000'899 S	·	000'899 S	s	9,000	0899 S		20	\$532,810		\$485,095	8.0210%	4.58%	S	295 S	4,371
56 Casade Electric Application Upgrade Project		3386 G198	375,000		375,000	s	%000	5 37500		Z 3	7399,107		5272,321	8.0210%	9,0000	000		
	FYIS Plan		S 838,000		838,000		9000	83808		3 3	\$668,405		\$608.548	8.0210%	4,63%		. S. S. S. S. S. S. S. S. S. S. S. S. S.	5.543
			S 325,000	S	S 325,000	S	9,000	S 32500		28	\$363,095		\$239,881	8.0210%	900'001	S 13;	384 S	46,429
	FVI8 Plan						%000		12/4/2017	2 3	81	8	8 1	8.0210%	9,0000	9	9 (	
61 Substitute in Memorang-Dobbe ARMS 62 Case Created Investment Plann in a Tool		3982 G381 1466 G210		, ,	۰.	× ×	\$600	. 2000		3 3	3 5	06	B 59 6963	8.0210%	12 44%			0163
			s 412,366	s 37,634			9,000	\$ 45000		2	8	\$412,500	\$206,250	8.0210%	9,000			
64 Travel & Expense Managament (T&E) and Gbbal Master Service Provider (MSP) Strategy	FY18 Plan		s 1,128,966	s	s	s	%000	s 1,232,00		2	8	\$1,129,333	\$564,667	8.0210%	4.58%	s	\$ 688	4,702
		4389 G148	5 1,374,553	· ·	· ·	· ·	%600	000051 3		2 3	8 097		\$669,643	8.0210%	4.83%	e o	992 S	7,763
			S 506,000		200000 S	۰ ۵	%000 0000	S 50600		z z	\$433.714		S197.571	8.0210%	12.44%	s s	. 9	8.992
			s 1,600,226	·	S 1,602,236	· · ·	9,000	S 1,602,2		130	\$1,442,003		\$1,361,892	8.0210%	4.58%	S S	S 96 S	7,338
			\$ 4,500,000		\$ 4,500,000	s	9,000	S 4,500,00		25	\$3,857,143		\$3,535,714	8.0210%	4.58%	\$ 12,	s 686	29,443
70 USSAP: Infrastructure Landscape 71 USCAIT Landscape Equipment 1 (Countle Denthormounts)		4348 G020	s 4,142,700 s 9,707,571		S 4,142,700 S 9,707,531	· ·	%000°	S 4,142,77		<b>3</b> 3	52,550,886 161 nor 12		\$1,254,979	8.0210%	4.58%	s o	8,691 8	27,105
			s 3,213,537	·	\$ 3,213,537	\$ 3,213,537	9,000	\$ 3,213,537		3	\$2,754,461	\$2,295,384	\$2,524,922	8.0210%	9,000	· s	s	
		-	\$ 204,092	\$ 20,908	\$ 225,000	s	9,000	S 22500		25	8		897,768	8.0210%	4.58%	S	148 S	1,349
74 Application monitoring. Network/IDS, Operations monitoring. 25 Annel Bejacon referred.	FYIS Plan	1677 0000	S 675,000		S 675,000 S 45,000	s	9600	S 67500	00 3/31/2018	3 3	175,878,571		5530,357	8.0210%	4.58%	e e	8 91 s	4,416
		1007		•		•	8/8/8	•		6	a cade of		944/249	a ca appropri	47900	۰	·	1.14

For the Rate Year ended March 31, 2020													610,777	111,000		8 02 10%	501.65	c		
										Forecasted Bala	900			01011000			8190			
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the state of the state of the state of the s		1000		Forecasted Balance at Fiscal	al FY20 Incremental	Forecas	Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted Forcested Adjusted 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Line investment name 76 RSATokon reflesh	Frograms FYIS Plan	4683	COO	S 536.	Additions 8 S	S .	S 816.718 S	816718	% Suppage/Distance of 0.0%	an Pollugue S	9			. 8	Average basence	Service to Return 8 0210	MIMO	S	YOU REID-REIDER NIME	3.512
	FY18 Plan	4670	C310	8	~				9,000	0						8.02107		8		
78 INVPM449- EPA File 79 Information Honnal-Advisordantono Renhormont Program	FVIS Plan	4449	C170	S 630,	 8 8		4 164 400 S	1164400	9000	S 630						8.02107		8 2	4,294 S	13,392
	FYIS Plan	3932		S 23,566,	· s		23,566,011 S	23,566,011	9,000	\$ 23,566						8.0210		. s	100,452 \$	291,231
<ol> <li>US MDS-Energy Accounting System (EAS) migration to Wholesa's Settlement Application (WSA)</li> <li>INVP 4398 Storme/ISchod Llourade</li> </ol>	FYIS Plan	4481	% S	s 654,799 s 8.960,280	s s	1,289,201 S	1,944,000 S 8,960,280 S	1,944,000	% % 0°0	s 1,944,000 S 8,960,280		19 84 018 84	88 53 60 80		\$244,714	8.0210%	% 0.00% % 7.15%	n n	32.902 S	91.523
	FY18 Plan	4486			s	8			9,000							8.02107		s .		. •
84 STORMS Capital Cost Estimates	FVI8 Plan	4467	GI48	S 235,	s o	463,157 \$	698,400 S	698,400	9000	S 698,400	_					8.02109		s s	485 S	4,417
	FYIS Plan	4570		o s	0 0				9,000	۰ ۰						8.02109		000		
	FY18 Plan			S 129,	s		129,283 S	129283	9,000	S 129283						8.0210		s :	227 S	846
88 Customer Bill Redesign 89 INVP 3737US CNI GMS SCADA Upgrade &	FVI8 Plan	3737		s 18308.	s s	s sxs	23.337.262 S	23.337.262	% %0°0	S 23.337.						8.02107		n n	21,705 S	
	FY18 Plan	4679		S 216,	S	S 0009	432,000 S	432,000	9,000	\$ 432						8.02107		8		
91 Contractor Management Modelmization  92 Daily Management (Co. Major B. De Major)	FVI8 Plan	4151	GB27	3000	s •	6892 \$	3,166,892 S	3,166,892	0.0%	3,166						8.02107		. o	8 . 8	13 086
	GBE- As set Management	4572		S 249,412	۰ ۰		277,134 \$	249,412	7.5%	S 249,412		18 120				8.0210		0 0	2,067 \$	4,213
	GBE-Asset Management	4572	C210	2,394,	s o	s .	2,660,875 S	2,394,788	7.5%	\$ 2,394						8.0210		S 0	21,615 \$	40,448
	GBE- As set Management	4572		338;	۰ ۰		398,676 \$	358,008	7.5%	\$ 358						8.0210	% 16.89%	. s	3,327 \$	090'9
	GBE- As set Management	4572		S 7,568,	s	2,242 S	11,311,799 S	10,470,807	7.5%	\$ 10,253						8.0210		s	S 290'56	173,176
98 EAM-FIN Integration 99 Intensity Meno own and International	GBE- Asset Management GBE, Asset Management	457.2		8	v v	8,695 S	S 51,877,1	19108971	7.5%	0.000						8,0210			4,314 S	22,805 8.471
	GBE- As set Management	4572	C210			8336 S	408,336 S	408,336	7.5%	S 377						8.0210		s	1,145 \$	532
	GBE-Asset Management	4572		s 1,5%;	s	0.570 S	6,649,866 S	6,476936	7.5%	\$ 6,107,						8.0210		S 20		
102 As set A hat yets a fine ogranion 103 AS (CWD)CTD - PPM Industrialism	GBE- Asset Management	4572		n 0	, v				7.5%	n u					3 8	8.02107	7 10.8971 N 16.8975			
	GBE- As set Management	4572	C210	s 1,125,	s	6424 S	4,536,434 S	4,411,424	7.5%	\$ 4,164,942					8	8.0210		. s		
	GBE- As set Management	4572		S	s	s ·			7.5%	S					8	8.0210		s	8	
106 Use Case No.1 - Asset Risk 107 Commber Decision (CAD), & Enterorisms (ESM)	GBE- As set Management	4572	0 0	s o	s v				7.5%	s v	3/1/2				8 8	8.02109	16.89%	s 2		
	GBE- Business Enablement	4572		s 106,	S 15		117,297 \$	105,567	7.5%	\$ 105						8.0210			875 S	1,783
	GBE- Business Enablement	4572	C210	s 620,	30 S	s .	\$ 80'689	620,139	7.5%	S 620						8.0210	%68'91 %	s	5,139 \$	10,474
110 Program Business Sustamment-1   111 Program Leamine Mentenement-2	GBE- Business Enablement GBE- Business Enablement	4572		S	s s		100211 S	62,655	7.5%	S 20 21						8.0210		s s	281 8	800
112 Program Transhamational Change Office - 2	GBE- Business Enablement	4572		S 1,364)	s		1,516,310 \$	1,364,679	7.5%	s 1,364						8.0210		. s	12,653 \$	23,049
113 Program Learning Management-3	GBE- Business Enablement	4572	C210	S	s	173,060 S	173,060 S	173,060	7.5%	S 160081						8.0210%		S 0	\$ 584	225
114 Program Basin os Sustainment-2	GBE- Business Enablement GBE- Business Enablement	4572			, ,	s .	308,704 8	30000	7.5%	, s						8.0210	10.89% 16.89%	o o	s +0.1	. 490
116 Program Learning Management-4	GBE- Business Enablement	4572		s	s	s .		٠	7.5%	s	- 3/1/2					8.0210		s		
117 Program Transformational Change Office-4	GBE- Business Enablement	152		s .	s o	s .	S	334306	7.5%	S 377						8.02100	36891 3	s s	. E	1056
118 CAT Portal & Chamnel Management	GBE- Customer Engagement	4572	02.0	\$ 6,011.	۰ ۵	5313 \$	11,875,000 S	11,207,031	7.5%	S 10,817,						8.0210			28,799 S	152,255
	GBE- Customer Engagement	4572		S 1,600,	s	6,074 S	4,796,546 S	4,618,498	7.5%	\$ 4,392						8.0210		s	12,414 S	37,093
121 Empkoyee Support Interaction - Pirst Release 122 Conformer Extensions Promem Leadershin-2	GBE- Customer Engagement GBE- Customer Engagement	4572	0 0	3,484,0	s s	4,062,735 S	7,954,131 S	7,566,991	7.5%	s 7,260,786 s 246,106		019 120				8.0210%	% 16.89% % 16.89%	, , , ,	20,522 S 747 S	61,317
	GBE- Customer Engagement	4572		\$ 13,680,	s	S 0000	8 000'000'6	17,480,000	7.5%	\$ 17,195						8.0210		s %		
124 Large Commercial & Land lood Interaction 125 Tamploons Support Interaction Second Palance	GBE- Customer Engagement	4572	0 20	S S	s	S 159%	35,376 S	33,803	7.5%	37						8.02107	%68'91 %	s s		
126 Cust omer Interaction - Second Robuse	GBE- Customer Engagement	4572			0 0				7.5%		. 1112					8.0210		. s		
	GBE- Customer Engagement	4572		s	8	s .			7.5%	s		120				8.0210		s .		. !
129 Data Management de Covernance Program Leadership-1	GBE- Data Management GBE- Data Management	4572	2 2	s S	n 00		\$ 00000 8 00000 8 00000	53,001	7.5%	8 53		18 12 13	7.78			8.0210%		n n	439 S	895
	GBE- Data Management	4572		s 1,900,	S	7,564 \$	2,179,480 S	1,968,288	7.5%	\$ 1,963		19 130	\$1,946,			8.0210		s	18,203 S	33,159
[3] Data Management & Governance Program Leadership.2. [12. Data Management & Governance Program Leadership.3.	GBE- Data Management GBE- Data Management	4572	0 0	ei v	v v	S - 11208	87,954 S	70,159	7.5%	s s		60	Š			8.0210	% 16.89% % 16.89%	s s	734 S	1,337
	GBE- Information Services Enabling	4572		\$ 5,472,	s		8 111,080,9	5,472,100	7.5%	\$ 5,472		120	\$4,696			8.0210		s	43,553 \$	92,424
134 Computehon sive Infogration Services (Enhancements) 135 Annalsonical (Transformation Reports and Information)	GBE- Information Services Enabling	572		S	s s	s	78,634 S	105600	7.5%	S 301		710	1881			8.02109	%891 %	s s	S 695 S	1,195
	GBE- Information Services Enabling	4572		s 1,930,900 S 2,613,528			2,903,920 S	2,613,528	7.5%	s 1,936 S 2,613,		18 13 18	\$1,000 \$2,330,			8.0210%			21,659 \$	44,142
137 SAP and Application Integration Development-Release 1-1	GBE- Information Services Enabling	4572		s 4,288,	s		4,765,187 S	4,288,668	7.5%	\$ 4,288		18 120	53,824			8.0210		s	35,542 S	72,436
138 Mobility Co.E.& End-User Computing-1 139 Oberations/System Monitoring	GBE- Information Services Enabling GBE- Information Services Enabling	4572	0 00	S	n n		004,790 S 1,057,768 S	951992	3,57	s 544		81 81	, S			8.0210%	7 16.89% 7 16.89%	, ,	8,280 S	9,193
140 Development Operations & BPA Enablament-2	GBE- Information Services Enabling	4572		\$ 2,306,	s	S	2,562,011 \$	2,305,810	7.5%	\$ 2,305		130	\$2,286,			8.0210		s	21,379 \$	38,945
[4] SAP and Application Integration Development-Rokase 1-2. [42] SAP and Application Integration Development, Roboto 2,1.	GBE- Information Services Enabling GRE, Information Services Enabline	4572	0 0	S 4,093,	v v		4,548,168 S	4,093,351	7.5%	s 4,093		61 61	S4,059,			8,0210	26891	, ,	37,953 S	76.857
143 Mobility Co E& End-User Computing-2	GBE- Information Services Enabling	4572		S 828,	· «		920,536 \$	828,483	7.5%	S 828		100	S821,			8.0210		. s	7,682 \$	13,993
144 Development Operations & BPA Enablement-3	GBE- Information Services Enabling	4572	C210	s s	s 0	4,144 S	2,164,144 S	2,164,144	7.5%	\$ 2,001		00 00				8.02107	36891 9	s s	\$ 690'9	2,818
	GBE- Information Services Enabling	4572		o s	s 439	7,065 S	4,397,065 \$	4,397,065	7.5%	\$ 4,067		8 8 8				8.0210		0 0	12,330 \$	5,725
<ol> <li>SAP and Application Integration Development-Release 3-1</li> <li>Mobility CoE&amp; End Live Communities.</li> </ol>	GBE- Information Services Enabling GRE- Information Services Frabiline	4572		s	8 8	85915 S	85,915 \$	85915	7.5%	17497 S	171 3/1/2020	20 00		SOS STS,800 SOS SOM, 601	839,404 07,174,2	8.0210%	% 16.89% % 16.89%	s s	241 S	112
	GBE- Information Services Enabling	4572	C210	s 1,372,	22 S	3,643 \$	2,289,034 S	2,136,495	7.5%	\$ 2,079		020				8.0210	% 16.89%	s	S	
150 Development Operations & BPA Enablement-4	GBE- Information Services Enabling	4572		s	s	s .			7.5%	s	3/1/2	21 120		S	8	8.0210	v 16.89%	s s		

For the Rate Year ended March 31, 2020												0.000	3031,0000		30000	wice			
									Forecasted Balance			610711+	3/3//2020		0.007000	20120			
Time Investment Name	Pro-grams	INVP# Bill Pool	Forecasted Balances	(FY19)	Incremental Foreca	Forecasted Bulan ee at Fiscal Balance at Fiscal Year End Year End (FY20)	nce at Fiscal Year End	% Slimman (Distlibund	(FY20)(After Slineans/Cuts)		Amortization	4/1/2019 Balance 3	V31/2020 Balance	Average Balance Se	wice Co Return	NIMO GAllocation	NIMOG Rent-Return	NIMO G Rent - Denn	8
151 SAP and Application Integration Development- Release 1-4	GBE- Information Services Enabling		C210 S			\$ .		7.5%	S		120	. 8	8	S	8.0210%	16.89%	· · s	\$	
152 SAP and Application Integration Development-Related 3-2	GBE- Information Services Enabling		C210 S	8 .	8 .			7.5%		3/1/2021	130	8	8	8	8.0210%	16.89%			
155 Mooniny Co t. & t.nd-User Computing-4 154 Portfolio Mina agment Leadership-1	GBE- Information Nervices Enabling GBE- Portfolio Office		, , 0 0	1.481.327 S		S - S	1.481327	182	s	3/1/2018	8 8	SI 20.850	N.172.717	SI 246 784	8.0210%	16.89%	s	250	. 070
155 Solution Architects & Agile Coaches-1	GBE- Portfolio Office		S 01	1,762,449 S	· s	1,958,277 S	1,762,449	7.5%	S 1,762,449	3/1/2018	120	\$1,571,517	SI,395,272	\$1,483,395	8.0210%	16.89%	S 14,606	S 29,	768
156 Portfolio Management Leadership-2	GBE- Portfolio Office		C210 S	1,930,034 S		2,144,482 S	1,930,034	7.5%	\$ 1,930,034	3/1/2019	8 5	\$1,913,950	\$1,720,947	\$1,817,448	8.0210%	16.89%	S 17,895	32,5	866
158 Portfolio Managament Leadership-3	GBE- Portfolio Office		s o	s S	2,161,221 \$	2,161,221 S	2,161221	7.5%	s 1,999,129	3/1/2020	2 2	8	\$1,982,430	8991,235	8.0210%	16.89%	s 6000	. S	814
159 Solution Architects & Agile Coethes-3	GBE- Portfolio Office		s oi	s .	2,824,290 S	2,824,290 S	2,824,290	7.5%	\$ 2,612,469	3/1/2020	120	8	\$2,590,698	SI,295,349	8.0210%	16.89%	S 7,920	3/6	677
160 Portfolio Managament Leadership-4 161 Rean Intervi Compliance	GBE- Portfolio Office GRE- Resultions and Compliance	£ £	C210 S	2005000 S	750000 S	S	2.775000	7.5%	S 2718750	9/1/2021	8 8	8 8	8 1095 25	SI 280 US	8.0210%	16.89%		26.	. 92.92
162 Supply Clain Program Leadership	GBE- Supply Chain		s 01	508,541 \$		\$65,045 \$	508,541	7.5%	\$ 508,541	3/1/2019	130	\$504,303	\$453,449	\$478,876	8.0210%	16.89%	s 4,715	8,2 8,2	880
163 Supply Chain Program Leadership	GBE- Supply Chain		S 01	s .	235,258 \$	235,258 S	235,258	7.5%	\$ 217614	3/1/2020	130	8	\$215,800	\$107,900	8.0210%	16.89%	999 s	9	306
164 Business Architecture Design 165 WMFE Program Leddership-1	GBE- Work Management GBE- Work Management		s s	2,708,676 S 210,612 S		3,004,085 S 234,013 S	2,703,676	7.5%	S 2,703,676 S 210,612	3/1/2018	8 8	S2,43,186 S187,795	S2,072,819 S166,734	\$177.265	8.0210%	16.89%	S 21,741 S 1,745	45,4	557
166 Corrosion and IRR Work	GBE- Work Management		s 01	22,210,426 S	1,801,402 S	26,479,659 \$	24,011,828	7.5%	S 23,876,723	7/1/2018	130	\$22,085,969	\$19,698,296	\$20,892,132	8.0210%	16.89%	S 205,711	s 403,	278
	GBE- Work Management		s 01	1,492,595 \$	s .	1,658,439 \$	1,492,595	7.5%	\$ 1,492,595	11/1/2018	120	\$1,430,404	\$1,281,144	\$1,355,774	8.0210%	16.89%	\$ 13,349	S 255	210
168 WMPE Program Letourship-2 169 Company Driven Work Collections and non-Amoint man Offs - Gas	GBE- Work Management GBE- Work Management		, , 0 0	3.725.761 \$	S 1170911.1	5.310.645 S	4.896672	387	\$ 4808853	10/1/2019	8 8	080,0000	\$452,366	\$477,029	8.0210%	16.89%	s 4,704 s 13.592	s s	NOC 9119
170 Company Driven Work Collections and non-Appointment Offs-Electric	GBE- Work Management			2,006,178 S	630,490 S	2,859,577 \$	2,636,668	7.5%	\$ 2,589,382	10/1/2019	130	8	\$2,459,912	\$1,229,966	8.0210%	9,0000			
	GBE- Work Management		S 00 80	9,077,769 S	10,288,028 S	20,374,438 S	19,365,797	7.5%	\$ 18,594,195	10/1/2019	120	88	\$17,664,485	SS,832,343 et 765 ett	8.0210%	16.89%	\$ 52,555	S 157,0	870
1/2 CONCOUNT, LABAR INVESTIGATION OF IMPROVINCES - EMOUTE 173 WAFFE Program Landership-3	GBE- Work Management		s o	S .	5,555,00 595,004 S	8 90000 S	595,004	7.5%	s 10,012,238 S 550,379	3/1/2020	8 8	8 8	\$545.792	\$272.896	8.0210%	16.89%	. 9991		2775
	GBE- Work Management		S 01		915,441 \$	915,441 S	915,441	7.5%	S 846783	6/1/2020	120	8	8	8	8.0210%	16.89%			
	GBE- Work Management		S 01	1,649,290 \$	7,167,604 \$	9,000,148 S	8,816,894	7.5%	\$ 8,279,323	9/1/2020	120	8	8	8	8.0210%	16.89%			
76 WMFE Program Leadership-4   77 Work Foreverting & Planning - collation	GBE- Work Management GBE- Work Management		C310 S					7.5%		3/1/2021	8 2	8 8	8 8	8 8	8.0210%	16.89%			
	GBE- Work Management		s 01					7.5%			130	8	8	8	8.0210%	16.89%			
	GBE- Work Management		s 01		346,828 S	346,828 \$	346,828	7.5%	\$ 320,816		120	8	8	8	8.0210%	16.89%		s	
180 Customer Experience Transformation-Communication Preference Management	Growth Play Book-CXT		75 S	673,662 S	1,326,338 \$	2,000,000 S	2,000,000	9600	S 2,000,000		3 :	8 1	21,880,952	5940,476	8.0210%	8.65%	S 2,847	S 100	298
<ol> <li>Cust corner Experience Transformation—MyAccount Portial</li> <li>Covernmence Risk &amp; Committee (GRC) Ordinization I herade</li> </ol>	Growth Play Book-CA1		× × ×	2,300,002,1	8 84,040,0	8,500,000 S	1 540,000	9000	s syddoo		i i	29 19 18	N,191,960 101,08	59,895,803	8.0210%	8.60%	S 1,769	9/7/19	9/7
	Growth Play Book-Finance		30 S	4,643,000 S		4,643,000 \$	4,643,000	9,000	\$ 4,643,000		3	\$4,643,000	MT,979,02	54,311,357	8.0210%	4.58%	s 11,511	300	378
	Growth Play Book-Finance		20 S	442,933 \$	872,067 S	1,315,000 \$	1,315,000	9,000	\$ 1,315,000		20	8	\$1,236,736	\$618,363	8.0210%	4.58%	S 991	37.	585
185 DRMS for C&I Demand Response	NY REV / Grid Mod		5210E S	S 651,091,1	2,239,474 S	3,429,633 \$	3,429,633	9,000	\$ 3,429,633		36	8 20 20	22,381,690	SI,190,845	8.0210%	9,000			
180 LOSAS and DEK Forestasting (Acquisition of Remote Solining Data - N.1)  187 Plant in formation Historian	NY BEV / Grid Mod		CIS S	2.500.000 \$	3.100,000 \$	\$ 600,009.5	\$ 600,000	9000	s s500000		z z	90,090,193	R 7/9/8	08/481,03	8.0210%	0.000%	S	, core	ê,
188 DG IOAP Phase II (Tacked)	NY REV / Grid Mod		\$210E \$	308,482 S	607,355 \$	915,837 \$	915,837	9,000	\$ 915,837		: 2	8	8	8	8.0210%	9,000			
189 E-Commerce Marketphroe	NY REV / Grid Mod		\$210E \$	532,244 S	598,573 \$	1,130,816 \$	1,130,816	9,000	S 1,130,816		2	8	8	8	8.0210%	9,0000		s	
190 AMI - Telecoms	NY REV / Grid Mod		5210E S	s •	491,473 \$	491,473 \$	491,473	3600	\$ 491,473		3 :	88	8 8	88	8.0210%	9,000			
192 Green Battom Commert	NY REV / Grid Mod	4704C CI	CII3 S	1,035,000 S	1,163,984 \$	2,198,984 S	2,198,984	9,000	\$ 2,198,984	3/31/2021	2	8 8	8 8	8 8	8.0210%	27.09%			
193 DSP - DG IOAP	NY REV / Grid Mod		\$210E \$	8	8	s .		9,000		3/31/2021	25	8	8	8	8.0210%	9,0000		s	
194 AMI - Tokcoms  105 October Light in Parameters (Bonn)	NY REV / Grid Mod		\$210E S	S - 20	S .	S - 02.292	- 267,100	%000		3/31/2021	3 3	8.8	9 8	88	8.0210%	3,000			
196 DRANS for C&I Demand Response (Renewal)	NY REV / Grid Mod		o S o	S .	2,000,000 S	2,000,000 S	2,000,000	9,000	\$ 2,000,000	5/1/2021	12	8 8	8 8	8 8	8.0210%	9,0000			
197 Grid MOD - ABBADMS & D.SCADA	NY REV / Grid Mod		\$210E \$	s .	s .	S		9,000	·	3/31/2022	35	8	8	8	8.0210%	9,000	· · · · · · · · · · · · · · · · · · ·	s	
198 AMI - Tolecoms 100 AMI - Enterordice Service Box & API Internation	NY REV / Grid Mod	47041 521	5210E S		743,347 S	743,347 S	743,347	%000	s 743,347 S	3/31/2022	2 2	8 8	9.5	8.8	8.0210%	0.00%			
200 AMI - Enterprise Service Bus & API Integration	NY REV / Grid Mod		\$210E S					9,000		3/31/2022	2	8	8	8	8.0210%	9,0000			
201 AMI - Info Mgt & Advanced Analytics	NY REV / Grid Mod		CH3 S					9,000		3/31/2022	28	8	8	8	8.0210%	27.09%		8	
202 AMI - Info Mgt & Advanced Analytics 203 Referred Commention & Date Lake	NY REV / Grid Mod		5210E S					%000		3/31/2022	3 3	8 8	8 8	8 8	8.0210%	77,000%		8	
204 IS-Cloud Computing & Data Lake	NY REV / Grid Mod		\$210E \$		1,300,000 \$	1,300,000 S	1,300,000	9,000	s 1,300,000	3/31/2022	3	8 8	8 8	8 8	8.0210%	9,0000			
205 CyberSocurty	NY REV / Grid Mod		CH3 S	8	2,300,000 S	2,300,000 S	2,300,000	9,000	\$ 2,300,000	3/31/2022	28	8	8	8	8.0210%	27.09%		8	
200 Cycer security 207 Residential Solar Marketolace	NY REV / Grid Mod		5210E S	S4.350 S	3,000,000,5	54390 S	54350	%000 000%	s 3,000,000 S 54350	3/31/2019	z ×	8439	836233	\$45.292	8.0210%	90000			
	Other Mandates		G207 S	1,668,447 \$	s .	1,668,447 \$	1,668,447	9,000	\$ 1,668,447	12/16/2016	z	\$1,112,298	\$873,949	\$993,123	8.0210%	19.47%	\$ 11,536	\$ 46,	407
209 INVP 3851 Consolidated Voice Recorder for US Electric Control Rooms 210 Annual UP & Demonstrated Academic Sension Body Librard of UD CD., 175 89	Other Mandates	3851 GE	8 I S	1,234,000 S		1,234,000 S	1,234,000	9,000	s 1,234,000	3/31/2018	3 3	\$1,067,714	5881,429	5969,571	8.0210%	9,000			
211 Regulatory Mandates - FY 18	Other Mandates		s o	S .		S .	oodori'i	9,000		3/31/2018	z	S	8	8	8.0210%	4.58%	S .		à.
212 US Control-Gas Electronic Bulletin Board (EBB) Upgrade	Other Mandates	4479 G2	S 01	3,000,000 S		3,000,000 S	3,000,000	9,000	3,000,000	\$11/2018	2	\$2,607,143	178,571	\$2,392,857	8.0210%	12.44%	S 17,353	S 59,	314
213 Regulatory Mandates - FY 19 214 Rean hony Mandates - FY 20	Other Mandates Other Mandates	88	N N					%000		3/31/2019	zz	я я	9 9	я я	8.0210%	4 4 8 4 8 4 8 4 8 4		8 9	
215 Regulacey Mandates - FY21	Other Mandates	8	20 S					9,000	·	3/31/2021	2	8	8	8	8.0210%	4.58%			
216 Physical Scenniky Replacements - FY17	Physical Security	8	20 S	2,719,184 \$		2,719,184 \$	2,719,184	9,000	\$ 2,719,184	3/31/2017	z :	\$1,942,275	\$1,553,820	\$1,748,047	8.0210%	4.58%	s 4,768	S 17.	16.
	Physical Security	3 3	23 S					9,000		3/31/2017	2 2	8 8	8 8	8 8	8.0210%	9,0000			
219 Physical Security Replacements - FY18	Physical Security	8	20 S	8 000'066		\$ 000'056	950,000	9,000	s 950,000	3/31/2018	2	\$814,286	175,8738	\$746,429	8.0210%	4.58%	\$ 1,993		216
220 All NIMO Physical Security Replacements - FY18 721 Receipt Security Danhermann - DV19	Physical Security  Discreted Security	5 6	S 14 S	490,000 S	8 9	490,000 S	490,000	9,000	s 490,000	3/31/2018	2 2	SD0,000	\$150,000	\$385,000	8.0210%	15.97%	3,584	S S	2
222 Physical Security Replacements - FY18	Physical Security	3 3	23 5					9,000		3/31/2018	8 3	8 8	8 8	8 8	8.0210%	9,0000			
	Physical Security	8	20 S	825,000 S	s .	825,000 S	825,000	9,000	s 825,000	3/31/2019	2	8825,000	\$707,143	\$766,071	8.0210%	4.58%	\$ 2,045	8	398
224 All NIMO Physical Security Replacements - FY19 225 Physical Security Replacements - FY19	Physical Security Physical Security	5 G	× × ×	20,000 s		S 000,872	275,000	9000	s 275,000	3/31/2019	zz	000'S/ZX	8235,714 80	(8,552.8) (8)	8.0210%	0.00%	2,577		274
226 Physical Security Replacements - FY19	Physical Socurity	95	23 S	· ·	s .			9,000	·	3/31/2019	35	8	8	8	8.0210%	9,000	· · · · · · · · · · · · · · · · · · ·	s	
227 Physical Security Replacements - FY20 228 All NAGO Physical Security Bardy companie - EY20	Physical Society  Physical Society	8 8	s s		835,000 S	835,000 S	383,000	%000	835000	3/31/2020	3 3	8 8	8835,000	\$417,900	8.0210%	4.58%	969	8	
	Physical Security	: 8	G286 S	,	S .	S .	dimone	9,000		3/31/2020	: 3	8 8	8	8	8.0210%	9,000			
230 Physical Socurity Replacements - FY20	Physical Security	3	23 S			s .		9,000	· · · · s	3/31/2020	Z	Si	8	8	8.0210%	9,0000		s	

												4/1/2019	3/31/2020		8.0210%	52100			
							Adjusted Forceasted		Forecasted Balance after Fiscal Year End	End									
Line Investment Name	Programs	NVP#	_	Forecast of State Contract Program Year End (FY 19)	Additions	Year End (FY20)	(FY20)	% Slippa	ShpagoCu	=	y Amo	4/1/2019 Balance	3/31/2020 Balance	Average Balance 5	ervice Co Return	NIMO G Allocation	NIMOGR	m-Return NIV	NIMO G Rent - Depn
231 Physical Security Replacements - FY21	Physical Security		O000 S					9,000	s	- 3/31/202	ž	8	8	8	8.0210%	4.58%	s		
232 MINIMO Physical Scumby Reparements - FT21	Physical Socialty		0 7500					9000	۰.	3/31/202	\$ 3	2 8	8 8	3 8	8.0210%	0.000	۰.		
234 Physical Scurity Replacements - FY21	Physical Security		G423 S					9000	. «	3/31/202	3	8 8	8 8	8 8	8.0210%	0,000	. «		
235 INVP 4451 Gas Transportation System Plasse II	PSC Mandate	4451	G225 S			. s	s	9,000	s	- 5/31/201	2	8	8	8	8.0210%	9,0000	s	s .	
236 INVP4347NYC Laye on for Landbord Program	PSC Mandate	4347	\$200 S	371 183 0			· ·	3000	S .		2 3	South	8 2 2 2	8 2	8.0210%	3,000	s 0		
238 INVP3839A NY Rotail Access Ph2	PSC Mandate	3839A	CI20 CI20 S	5,386,231		S 5,356,231		9,000	\$ 5,35	356231 1031/201	: 3	\$4,272,232	\$3,507,056	53,889,644	8.0210%	14.88%		33,741 S	113,858
239 INVP 441 IAB Distributed Generation Portal	PSC Mandate	4411A+B	C198 S	3,347,611		3,347,611	S	9,000	\$ 3,34		28	\$2,709,971	\$2,231,740	\$2,470,856	8.0210%	9,0000	s		
240 INVP 4383 NY Community Choice Aggregation	PSC Mandate	4383	C170 S	551,447		\$ 551,447	8	9000	SS SS		Z :	\$452,974	8374,196	\$413,985	8.0210%	14.88%	s	3,588 S	11,722
241 INVERTED Income Order CRIS	PSC Mandate	4448	S 5077	0170070		. or or or		9000	2 0 7 0		3 3	OK STOCKS	06 007 15	S 50 55	80210%	31 6600	n 0	S - 27 LG	
243 INVP 441 IC New Electric Connections	PSC Mandate	4411C	CIS S	688,000		S 698,000		9000	s s		. 2	\$606,595	\$506,881	\$556,738	8.0210%	9,000	· »	s	1000
244 INVP441ID New Gas Connections	PSC Mandate	4411D	C210 S	896,000	•	896,000	s	9,000	s s		2	\$842,667	\$714,667	5778,667	8.0210%	16.89%	s	2 L997	21,619
245 CPEBuyback	Tech. Modernization	4684	O000 S	5,135,450		\$ 5,135,450	s	9,000	S 5,13		2	\$3,668,179	\$2,934,543	190,100,52	8.0210%	4.58%	s	s 900'6	33,601
246 Active Directory Improvements	Tech. Modern ization	4489	0000	275,000		275,000	000	9000	S 27		Z :	\$235,714	\$196,429	\$216,071	8.0210%	4.58%	s	S 222 S	66.1
247 Applaation refromatioe management (APM) 248 BASUVDN Be-Platform Mobile	Tech. Medemication	9644	0000	349,038	31,362	30,500		0000	. 8		zz	06	\$530,350	S163,139	8,0210%	4.38%		200 2	1976
249 US Network Programme	Tech. Modemization	4496	O000 S	3,025,000		3,025,000	8	9,000	s 3,02		3	\$2,772,917	\$2,340,734	\$2,556,845	8.0210%	4.58%	8	6,827 \$	19,792
250 US VSTIG Programme	Tech. Modemization	4498	O000 S	2,700,000		2,700,000	s	9,000	S 2,70		ž	\$2,314,286	S1,928,571	\$2,121,429	8.0210%	4.58%	s	S,664 S	17,666
251 US Wireless Programme	Tech. Modemization	4499	O000 S	1,950,000		S 1,950,000	s	9000	s 1,95		2	\$1,671,429	\$1,392,857	\$1,532,143	8.0210%	4.58%	s	4,091 S	12,759
252 Monitoring and Abriting	Tech. Medemization	4493	0000	412,366 5	37,634	450,000	. o	9000	s 45		3 3	88	TO,1922	8195,536	8.0210%	4.58%	· ·	28e s	2,699
255 Active parameter 254 Clear Broker - Hvfrid Farablament	Tech. Modern kation	3899	0000	28,000	(14/07	250.000	0 00	9000	o os		z	\$214.286	\$178.57	\$196.429	8.0210%	4 58%	۰ ۵	S 75	6/0"
255 Office 2010 Upgrade	Tech. Medemization	4265	O000 S	733,095	\$06'99	8 soc.000	0	0.0%	. 8		: 3	8	\$605,238	\$347,619	8.0210%	4.58%	. «	527 S	4,798
256 Citrix Infristructure Upgrade (Xenapp and Net Scake)	Tech. Modern ization	4279	G020 S	800,000		S 500,000	S	9,000	S 50		2	\$694,524	\$363,098	\$398,810	8.0210%	4.58%	S	1,065 \$	3,271
257 Business Innovation Projects 1	Tech. Modemization	4707	O000 S	3,086,892 \$	281,721	3,368,613	8	9,000	s 3,36		2	8	\$2,927,485	\$1,463,743	8.0210%	4.58%	s	2,218 S	20,204
258 Data Scourity	Tech. Medemization	4710	0000 s	548,076 5	1,026,924	260,000	s s	9000	S 157		3 3	88	\$1,425,000	5712,500	8.0210%	4.58%	s 0	1,112 S	0,870
259 Uran State and Self Service	Torb Medemination	4777	0000	540,000	49/,51	000007 sonon		0000	0 0		ž J	800 214	\$000,714	5530,057	8.0210%	4.38%	, ,	300 2	1,000
261 SCI connections	Tech. Modemication	4495	0000 S	100,000		S 100,000	. «	9000	s 01		3	992.857	S78.57I	\$88.714	8.0210%	4.58%		229 S	159
262 US SAP: Dynamic Storage Thring	Tech. Modern ization	4560	G020 S	436,406 \$	513,284	069'696 S	S	9,000	8 8		2	8	8	8	8.0210%	4.58%	S		
263 KEReplacement	Tech. Modemication	4491	O000 S	3,316,000		3,316,000	s	9000	S 3,31		# i	\$3,118,619	22,644,906	\$2,881,762	8.0210%	4.58%	s	7,694 \$	21,696
264 US Network Programme 265 US VSTIC Programme	Tech. Modern kation Tech. Modern testion	77	8 88		2,073,000	2,013,000	, ,	9000	2,007		3 3	8 8	00°5'00'3	N,057,300 N	80210%	4.58%	, ,	8 627.	
266 US Wireless Programme	Tech. Medemication	2 4 4	0000 s		568211	S 568.211	o o	9,000	8 8		ā	8 8	8 8	8 8	8.0210%	4.58%			
267 Duta Visualisation Expansion	Tech. Modern kation	4606	O000 S	949,126	929,380	s 1,872,506	S	9,000	S 1,87		2	8	8	8	8.0210%	4.58%	S		
268 US SAP. Busin ess Warehouse (BW) Consolidation to HANA Enterprise Cloud (HEC)	Tech. Medemization	4562	O000 S	796,942 8	896,258	S 1,693,200	S	9,000	8 1'00		26	8	8	8	8.0210%	4.58%	s		
200 Monitoring and Aletting 200 MANOR V and Materialism Paid Association	Tools Medemination	4493	0000	2 317 891	378,807	378,800	, ,	0.0%			\$ 3	3 8	8 8	8 8	8.0210% 8.0010%	4.38%	, ,		
271 Improving End User Experience-Cloud based DMZ Service Platform	Toch. Modemization	4723	0000 S	300,000	- Control	300,000		9000	s 8		ī	000'008	\$257,148	178,572	8.0210%	4.58%		744 S	1,963
272 Mobile Broadhand POC	Tech. Modemization		O000 S	100,000		s 100,000	s	9,000	S 10		2	8100,000	S85,714	592,857	8.0210%	4.58%	s	248 S	654
273 FY 19 Edge Projects	Tech. Modern ization	4717	O000 S	336,831	378,807	S 715,638	s	9,000	S 71		3	8	8	8	8.0210%	4.58%	S		
275 Dirital Assat Management (DAM)	Tech. Modern karion	4711	0000	168,415	189404	357.819		9000	8 38		a a	3 3	9 9	3 3	8.0210%	4.58%	~ ~		
276 Basiness Innovation Projects 1	Tech. Modemization	4707	O000 S	1,338,308	2,634,928	3,973,236		9,000	S 3,97		28	8	\$3,973,236	\$1,986,618	8.0210%	4.58%	S	3,310 \$	
277 Business Innovation Projects 2	Tech. Modern ization	4708	O020 S	1,134,653 \$	2,233,960	S 3,368,613	S	9,000	s 3,36		ž	8	8	8	8.0210%	4.58%	s		
270 ETC memoration Projects 3	Tech. Medemization	4728	0000	1,134,653 5	2,233,960	3,368,613	v «	9000	8 336		3 3	88	88	8 8	8.0210%	4.58%	× •		
279 EUC., Internetal, and take center memory)	Tech. Medemication	4710	0000	530,509	1.044491	s 1575000		9,000	s (5)		z z	8 8	8 8	8 8	8.0210%	4.58%			
281 FV 99 Data Centre Projects	Tech. Modern jeat ion	4716	O000 S	673,662 \$	1,326,338	S 2,000,000	S	9,000	s 2,00		2	8	8	8	8.0210%	4.58%	S	· s	
282 B27 hter fices - 23 FTS, 340 RDX, 245 MQSI, 259 JCAPS, 44 PM4D, 7 VB	Tech. Modemication	4706	O000 S	3,300,000		3,300,000	s	9000	S 3,30		2	\$3,300,000	IT2,828,52	83,064,286	8.0210%	4.58%	s	8,182 S	21,591
283 US Valco Con Retendo Programme 284 US SAP Enformement Puch 9 Hoursday	Tech. Modern kation Tech. Modern testion	4864	8 88	2 000,000,1	1.141.460	S 1,650,000	, ,	9000	201 2		3 3	8 8	9 9	3 5	80210%	4.58%	, ,		
285 US Network Programme	Toch. Modemization	4496	O000 S	\$ 605'005	596,622	S 1,127,130	0	9000	s 1,12		3	8	8 8	8	8.0210%	4.58%			
286 US VSTIG Programme	Tech. Modemization	4498	O0200 S		265,165	\$ 265,165	s	9,000	S 26		2	8	8	8	8.0210%	4.58%	s	s .	
287 US Wireless Programme	Tech. Modem ization	4499	O000 S		568,211	\$ 568,211	s	9,000	8		2	8	8	8	8.0210%	4.58%	S	s .	
288 Monitoring and Aleiting 789 Geneiro Mone, Belevior 1	Toch, Modernication Toch, Modernication	4493	0000		378,807	378,807	· ·	9000	S 37		2 3	8 8	8 8	8 8	8.0210% 8.0710%	4.58%	· ·		
290 IS Tools	Tech. Modemication	4513	0000 S	8 077,871	151,523	325.29	. «	9000	8		3	8 8	8 8	8 8	8.0210%	4.58%			
291 FV20 Edge Projects	Tech. Modemization	4720	O000 S	8 000,000	757,615	S 1,422,634	S	9,000	S 1,42		28	8	8	8	8.0210%	4.58%	S		
292 FY20 Notwork Projects	Tech. Modern ization	4721	O000 S	\$ 686'966	1,518,240	\$ 2,515,229	s	9,000	\$ 2,51		ž	8	8	8	8.0210%	4.58%	s		
293 EMM Licenses	Tech. Modemization	4713	0000 0000	444,617 \$	500,026	344,60	· ·	0.0%	8 8		2 :	88	9.8	88	8.0210%	4.58%	· ·		
294 Business Impossible Projects 2	Tools Medemination	4708	0000	8 000008 8 000008	1,505,091	2,305,091		0.0%	8 2,30		\$ 3	3 8	8 8	8 8	8.0210% 8.0010%	4.38%	, ,		
296 Data Scorrity	Tech. Modemization	4710	0000	\$ 630,500	596622	s 2,201,304 S 1,127,130		9000	s 2,30		ız	8 8	8 8	8 8	8.0210%	4.58%			
297 Hardware and Software Upgandes	Tech. Modemization	4722	O000 S		2,296,454	\$ 2,296,454		9,000	S 2,29		28	8	8	8	8.0210%	4.58%	S		
298 Data Centre Consolidation efforts	Toch. Modemization	4709	G000 S	\$ 000'005	1,000,000	000'005'1 S	S	9,000	S	1,500,000 3/31/202	2 3	8 1	8 8	8 1	8.0210%	4.58%	S		
300 En derperies Data Management Platform	Toch. Modemization	4582	0000 s		800,000	s 800,000	۰ ۷	9000	. 8		2 2	8 8	8 8	8 8	8.0210%	4.58%	o 0		
301 Basiness Innovation Projects 2	Tech. Modern ization	4708	O000 S		800,000	800,000 S	s 800000	9,000	8	800,000 3/31/2022	2	8	8	8	8.0210%	4.58%	s		
302 Business Innovation Projects 3	Tech. Modern kation	4728	0000 s	5	800,000	0000008	S	9000	8 5 5 8	000 3/31/202	2	000	8 11 000 001	SS 037 04.	8.0210%	4.58%	s .	S .	1100.077
LOST 13			,	TANKET AND TO BE		- Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina Carolina C			0	243		0 4/10/11/4/14	***************************************	- Andrews			à	Dispers v	* (Table 1907)

For the Rate Year ended March 31, 2021																		
												4/1/2020	3/31/2021		7.991.0%	5210G		
							alance Adjusted Forecasted		Forecasted Balance after Fiscal Year	Buhnce d Year								
Line Investment Name	Programs	INVP#	Bill Pool 1		FY21 Incremental Additions	at Fisca.	Sulance at Fisca (FY21	nd % Slippage/Disallowed			Amortizatio In Service Date Period	4/1/202	3/31/2021 Balance	Average Balance		NIMO G Allocation	NIMO G Rent-Return N	NIMO G Rent - Depn
1 Cloud Security	Cyber Security	3683	O000 S	1,460,000		S 1,46	1,460,000 S 1,460,000		s i			\$1,042,857	\$834,286	\$938,571	7.9910%	4.58%	S 2,497 S	9,553
2 Resk Based Authentication - 2FA token alternative 3 INVP 36 (4D) Ent Network Security	Cyber Security Cyber Security	3683 3614D1	0000 0000 0000	235,080		s 233	5,080 S 235,080 4,142 S 9,674,142		s s		6/1/2018 84	\$173,511	\$139,929	\$156,720	7.9910%	4.58%	s 417 S	1,518
4 Threat Behavior Modeling	Cyber Security	3683	O000 S	800,000		. s	s		s			8600,000		\$542,857	7.9910%	4.58%	S 1,444 S	5,234
<ol> <li>Identify &amp; Access Management Rose Rase Access Management (RBAL)</li> <li>Enhanced DLP Gateway and Endpoint</li> </ol>	Cyber Security Cyber Security	3683	s 8	2,238,480		s 1,03			s s			\$1,758,806		\$1,598,914	7.9910%	4.58%	s 2,920 s	14,646
7 INVP 36 IAB7 CNI Network Security	Cyber Security	3614B7	0000	4,829,586		\$ 4,82	4,829,586 S 4,829,58		S .	4,829,586 12/3	12/31/2017 84	\$3,277,219		\$2,932,249	7.9910%	4.58%	S 7,800 S	31,599
8 INVP 3614E4 US CNI Documby I&E. 9 US CNI Infrusion Detection/Prevention Phase 1	Cyber Security Cyber Security	3683	S 0000	550,000		s 1,34	× ×		· ·			\$419,048		\$379,762	7.9910%	4.58%	S 2,164 S S 1,010 S	3,599
<ol> <li>Identity &amp; Access Management. Fine Grain Access Management</li> </ol>	Cyber Security	3683	S COODO S	1,650,000		s 1,65	000'069'1 \$ 000'069'1	9,000 000,0	s		8/31/2018 84	\$1,276,786	\$1,041,071	81,158,929	7.9910%	4.58%	s 3,083 s	10,796
11 Mg Scaling Upgrades 12 IFOT Discovery and Implementation Phase 1	Cyber Security Cyber Security	3683	8 8	3,500,000		s 1,000 S 5,50	× ×					\$761,903		\$4.452.381	7.9910%	4.8%	s 1,837 s	35.986
13 Security Research Lab	Cyber Security	3683	0000	325,000		S 32					2019 84	\$286,310		\$263,095	7.9910%	4.58%	s 700 s	2,126
14 US CNI Security Enhancements Phase 1	Cyber Security	3683	0000	1,690,000		\$ 1,65	S		S		2019 84	\$1,453,571		\$1,335,714	7.9910%	4.58%	\$ 3,553 \$	10,796
	Cyber Security	3683	0000	800'008		s 80				800,000 3/31	2019 84	\$685,714		\$628,571	7.9910%	4.58%	s 5,000 s	5,234
	Cyber Security	3683	COODO	1,266,300		s 1,26	1,266,300 S 1,266,30		S .		5/1/2019 84	\$1,100,475		\$1,010,025	7.9910%	4.58%	S 2,687 S	8,285
18 Big Data Socien's Analytics Phase 1 19 US CNI Infraskim Detection/Presention Phase 2	Cyber Security Cyber Security	3683	0000	4,621,552		s 4,62 S 80	v v		n n	4,621,552 5/1,	2000 84	\$4,016,349		S3,686,238 S742,857	7.9910%	4 8% 4 8%	s 9,805 s	5,234
	Cyber Security	3683	O000 S	1,740,000		s	s		S I		3/31/2020 84	\$1,740,000		\$1,615,714	7.9910%	4.58%	s 4,298 s	11,385
21 Security Incident Event Management Phase 5 22 Domnin Rased Security Phase 2	Cyber Security Cyber Security	1887	S 0000	1.884.896	199,534	s s	v v		· ·	5572 702 4.1.	5/1/2020 84	8 8	\$637,142	\$318,571	7.9910%	4.5%	\$ 481 8	4,397
	Cyber Security	3683	OODO S	524,670	166,362	· s	s s		S		2021 84	8	8	So	7.9910%	4.58%		
24 Big Data Scennity Analytics - Phase 2	Cyber Security	3683	COODO	2,688,347	2,464,628	s	s		8		2021 84	8 8	8 1	So	7.9910%	4.58%		
25 IPOT Discovery and Implementation: Phase 2 26 IPCNI Security Enfancements - Phase 2	Cyber Security Cyber Security	1896	8 88	2,651,651	3,469,885	n v	v v		o e		10/1/2021 84	8 8	8 8	0 00	7.9910%	4 8 4 8 4 4		
27 Data Visualization	Cyber Security	3683	C0000 S	378,807	495,698	s	s		S			8	8	So	7.9910%	4.58%	s . s	
28 INVP 4137 MA Retail Access Mandate	DPU Mandate	4137	C277 S			s .			· ·		2017 84	8 90 163		8211020	7.9910%	0.00%		
25 INVP 4373 Contingent Labor Admin Replacement	FY18 Plan	4373	0000	259,667		s 255	259,667 \$ 259,667		0 0	259,667 2/20	220/2017 84	\$145,290		\$126,742	7.9910%	4.58%	s 347 S	669'1
31 INVP 3955 EJ Ward Upgrade	FY18 Plan	3955	G235 S		•	8	s		s ,			8		So	7.9910%	0.00%		
32 INVP 4188 Aging System Stabilize 33 INVP 4280 118 VSTIGBancholdth Pb2	FY18 Plan	4780	Gmb s	2 256 401		s 85	s s		s s		2017 84	\$1.504,267		\$508,455	7.9910%	4.83%	S 1,426 S	5,894
34 INVP 4307 US Win 7 Refresh Ph 3	FY18 Plan	4307	OCODO S	13,464,281		\$ 13,46	13,464,281 \$ 13,464,28		S 13,	13,464,281 7/31	7/31/2017 84	\$8,335,031		57,373,297	7.9910%	4.58%	S 20,112 S	88,095
35 INVP 4364 Wireless Network	FV18 Plan	4364	S 0000	2,303,959		s 230	s		S 9		2018 84	\$1,645,685		\$1,481,116	7.9910%	4.58%	S 3,940 S	15,074
30 SOC242 M 12 Systems improvement 37 INVP 4289 US Network Improvement	FY18 Plan	4289	0000	1,336,479		s (133	۰ ۰					986'068S		\$795,523	7.9910%	4.58%	s 12,776 s	8,744
38 HANA License Coss	FY18 Plan	4649	0000	3,826,068		\$ 3,82	3,826,068 \$ 3,826,068		s i		3/31/2017 84	\$2,186,325	\$1,639,744	\$1,913,034	7.9910%	4.58%	S 5,230 S	25,033
40 Mobile Device Refresh - FY17	FY18 Plan	4671	0000	4,138,561		s 4,13			9 8		2017 84	\$2,364,892		\$2,069,280	7.9910%	4.58%	s 5,658 S	27,078
41 Zsahr	FV18 Plan	4681	0000	2,100,000		\$ 2,10	s		\$ 2		2018 84	\$1,500,000		\$1,350,000	7.9910%	4.58%	S 3,591 S	13,740
42 INVP 25 //C. ARFM Software Upgrade 43 INVP 4631 Box Enablement	FY18 Plan	257.7C 4631	S 0000	254,000		s 25			^ ~		2018	\$181,429		\$163.286	7.9910%	4.58%	s +34 S	1,662
44 INVP 41 70 Time Transformation	FY18 Plan	4170	O000 S	2,676,143		\$ 2,67	s		S		2017 84	\$1,561,083		\$1,369,930	7.9910%	4.58%	s 3,743 S	17,510
45 INVP 4420 US CNI OMSFocialPoint Infastructure Upgrade 46 INVP 4274 VSTIG Hardware Refresh	FY18 Plan	4274	G000 S	705,521		s s	v v		n n	705,521 523 608,000 3331	3/3/2017 84	\$419,953		\$390,559	7.9910%	0.00% 4.58%	s - S	3.978
47 US Video Conferencing upgrade for RW	FY18 Plan	4632	COODO S	1,702,730		S 1,70	s		s 1.		2017 84	\$1,054,071		\$932,448	7.9910%	4.58%	S 2,543 S	11,141
48 Htv DVC Improvement Server Refresh 49 INVP 4464 Data Visualzation	FY18 Plan	4676	s s	7.067.413		s 1,00	s s		s s		2018 84	\$714,286		\$642,857	7.9910%	4.5%	s 1,710 s	6,543
50 Mobility - (MDM) Mobile Device	FY18 Plan	3430	O000 S	1,162,000		s 1,16	1,162,000 S 1,162,000		S	1,162,000 2/1.	2/1/2018 84	\$802,333	\$636,333	\$719,333	7.9910%	4.58%	s 1,913 s	7,603
51 Changes to ACLS for PARC C chall Vendor Billing 52 INVP 4461 Units Underface Mismition	FY18 Plan	4461	S 0000	1.386701		s 38	s s				2013 2018	\$254,060		\$227,381	7.9910%	4.58%	s - S - S - S - S - S - S - S - S - S -	9:073
53 INVP 4287 Active Directory Upgrade	FY18 Plan	4287	COOD S	804,825		s 80	8	-	0		2018 84	\$555,713		\$498,225	7.9910%	4.58%	s 1,325 s	5,266
54 US Control Gas System Operating Procedure (SOP) Upgade 55 Enterprise Labe 55 Enterprise Labe	FY18 Plan	4480	G210 S 0000	542,000		S 24	s ,	9000	s v		5/1/2019 84	\$471,024		\$432,310	7.9910%	12.44%	S 3,123 S	9,632
56 Cascade Eketric Application Upgrade Project	FY18 Plan	3986	GI98 S	375,000		S 37	S	-	S		/2017 84	\$245,536		\$218,750	7.9910%	0.00%	s s	
57 INVP 44 GS Doe Mgmt Systems Repixement Delivery SS WIFF for Boat Services Diseased is Lantons	FY18 Plan	1056	S GHD	3,855,044		S 3,85	s s		ei s s		2017 84	\$2,524,136 \$548,690		\$2,248,776 \$488,811	7.9910%	4.61%	S 6,021 S	25,388
59 Gas Service Database - UNY	FY18 Plan	3949	5210G S	325,000		S 32	S		S		2017 84	\$216,667		\$193,452	7.9910%	100.00%	S 11,235 S	46,429
	FY18 Plan	3948	G225 S			s :	· · · · · · · · · · · · · · · · · · ·	9,000	s	- 124	2017 84	88	8 8	80	7.9910%	0.00%		
61 Surestation incomorning-LikobeArkMS 62 Gas Capital Investment Planning Tool	FY18 Plan	4466	S 028	572,000		s s			^ ~		2019	\$524333		\$483,476	7.9910%	12.44%	s 3.493 S	10.165
	FY18 Plan	4462	GIS6 S	450,000		S 45	S	-	S		9/1/2019 84	\$412,500		\$380,357	7.9910%	0.00%	s s	
64 Tavvel & Expense Management (T&E) and Global Master Service Provider (MSP) Strategy	FY18 Plan	4578	0000	1,232,000		\$ 1,23	s		s .		2019 84	\$1,129,333		\$1,041,333	7.9910%	4.58%	S 2,770 S	8,061
co. Ageing a ystem statolization Upgrades - F 1 18 66 INVP 3486 US MDS-lucio Enterprise Edition (IEE)	FY18 Plan	3486	S 88 5	758,544		s 75	o o	0.00% 14 0.00%	· s		331/2018 84	\$1,339,280		\$1,232,143	7.9910%	0.00%	s 3,450 s	nerini -
	FV18 Plan	4390	G210 S	000'905		S .	s		s		2018 84	\$361,429		\$325,286	7.9910%	12.44%	s 2,350 S	8,992
69 US Mechile Device Refresh	FY18 Plan	4395	0000	4,500,000		s 4,50			. 4		3/31/2018 84	\$3,214,286		\$2,892,857	7.9910%	4.58%	s 5,190 s	29,443
70 US SAP: Infrastructure Lanckcape	FY18 Plan	4348	C0000 S	4,142,700		\$ 4,14	S	9000 0000	8		2018 84	\$2,959,071		\$2,663,164	7.9910%	4.58%	S 7,084 S	27,105
71 US CNI Tech Services-Network Equipment Lifecycle Replacements 72 US CNI-EMS Lifecycle Hardware and Software Upgande	FY18 Plan FY18 Plan	4570	S 885 E188	3,207,521		S 32.8	v v	21 0.00%	n n		2018 84	\$2,295,384		\$2,065,846	7.9910%	0.00%		
73 Network Transformation Completion - CEMS	FY18 Plan	4647	0000	225,000		. 22	225,000 S 225,000			225,000 5/1	\$12019 84	\$195,536	\$16,393	\$179,464	7.9910%	4.58%	s 477 S	1,472
74 Application monitoring, Network/IDS, Operations monitoring	FV18 Pkn	4689	s s	45,000		s v	· ·	9000	s s		V31/2018 84	\$482,143		\$433,929	7.9910%	4.58%	S 1,154 S	4,416

Service Company Capital Software alocated to Operating Companies as Reith Experies For the Rate Year ended March 31, 2021																		
												4/1/2020	3/31/2021		7.9910%	5210G		
						Forecasted Balano	Adjusted Forecasted		Forecasted Balance after Fiscal Year	9.								
Line Investment Name	Programs	NVP #	Bill Pool	Forecasted Balance at Fiscal Year End (FY20)	FY21 Incremental Additions	at Fiscal Year End (FY21)	Balance at Fiscal Year End (FY21)	% Slimasc/Distloaced	End (FY21)(After Slices see/Cuts)		Amortization	4/1/2020 Balance	3/31/2021 Balance	Average Balance	Service Co Return ND	NIMO G Allocation	NIMO G Renf-Return	NIMO G Rent - Depn
76 RSA Token refresh	FY18 Plan	4683				\$ 536,718	\$ 536,718	9,000	\$ 536,718	8 3/31/2017		8306,696	2	6		4.58%		3,512
77 Lead and DER Forecasting (Acquisition of Remote Sensing Data - Mass) 78 INVP4449 - EPA File	FY18 Plan	4670	000	. 0000009		. e30000	v v	% % 0 0	. 0009 S			\$450.00	S360000	S405.000	7.9910%	0.00%	s . s	13.392
	FY18 Plan	4469	0000	3,164,400		\$ 3,164,400	s	9,000	\$ 3,164,40			\$2,297,957	\$1,845,900	\$2,071,929	7.9910%	4.58%	s 5,511 S	20,704
<ol> <li>Call Center Customer Contact Center/SIX: Technology: Upgrade Implement Solution</li> <li>US MINS-Energy Accounting System (EAS) migration to Wholesuk Settlement Application (WSA)</li> </ol>	FY18 Plan FY18 Plan	3932	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	23,366,011		S 23,566,011 S 1,944,000	S 23,566,011 S 1,944,000	%00 00%	s 23,566,011 s 1,944,000		zz	\$18,235,604	\$14,869,031	\$16,552,317 \$1,550,571	7.9910%	8.65% 0.00%	s 83,162 s	291,231
	FY18 Plan	4398	0915	8,960,280		S 8,960,280	S	9,000	\$ 8,960,22		25	\$7,253,560	\$5,973,520	\$6,613,540	7.9910%	7.15%	S 27,464 S	91,523
83 General Ledger Interface CRISSAP 84 STORMS Christi Coel Fetimates	FV18 Plan	4486	0.43	. was 400			s s	9000			2 2	8606043	8807 171	S S S S S S S S S S S S S S S S S S S	7.9910%	0.00%	S	4810
	FY18 Plan	4485	C343	S		S .	· »	9,000	s .	4/1/2019	8 8	88	8	So	7.9910%	0.00%	S	
	FY18 Plan	4570	0186			S	· · · · ·	9600			2 :	8	8	So	7.9910%	0.00%	S	
	FYIS Plan	47040	H 73	92°G1 S		S	, ,	9000	s 129,285		zz	8/3,8/6	08 08	204'047 S0	7.9910%	7.00%	8	· .
	FY18 Plan	3737	C210	S 23,337,262		\$ 23,337,262	S	90.00	\$ 23,337,262		25 7	\$23,337,262	\$20,003,368	\$21,670,315	7.9910%	96891	S 212,575 S	569,095
90 Casco Prime 91 Confinctor Management Modernization	FYIS Plan	4151	G027	s 452,000 S 3,166,892	1,717,334	s 4,884,226	o o	9000	S 4,884,22		zz	3 8	8 8	8 8	7.9910%	4.82%		
	GBE- Asset Management	4572	C210	s 1,899,720		\$ 2,110,800	s	3.0%	Z.,999,T.		120	\$1,456,452	\$1,266,480	\$1,361,466	7.9910%	96891	s 13,355 S	32,086
93 AM Program Leadersh p-1 94 Enhancements	GBE- Asset Management GBE- Asset Management	4572	8 8	S 249,412 S 2,394,788		S 2,560,875	s s	5.0% 5.0%	S 2394,71		8 2	\$2,075,483	\$172,510	\$184,980 \$1,955,743	7.9910%	16.89%	S 1,815 S S 19,185 S	40,448
	GBE- Asset Management	4572	C210	\$ 647,971		\$ 716,840	8	5.00%	\$ 647,9		120	8572,374	5507,577	\$539,976	7.9910%	16.89%	S 5,297 S	10,944
96 AM Program Leadership-2 97 Data Remediation GR Unemde/Mismisson & GR Mobility	GBE- Asset Management GBE- Asset Management	4572	000	358,808		S 398,676	s s	5.0%	S 358,88		02 02	\$319,937	S284,057	5301,997	7.9910%	%891	S 2,962 S	090'9
	GBE- Asset Management	4572	020	S 1,620,259		S 1,778,102	· s	5.0%	S 1,620,2		120	\$1,485,238	\$1,323,212	\$1,404,225	7.9910%	16.89%	S 13,775 S	27,366
99 Integrity Management Integrations	GBE- Asset Management	4572	0210	8 997,206		\$ 1,088,112	s	5.0%	S 997,28	6 10/1/2019	130	5947,346	\$847,626	\$897,486	7.9910%	16.89%	S 8,804 S	16,843
	GBE- Asset Management	4572	3 6	S 6,107,893	3,201,244	s 9,851,109		5.0%	S 9,149,00		120	08 80	\$8,615,379	\$4,307,689	7.9910%	16.89%	5 25,388 S	90,141
	GBE- Asset Management	4572	C210		1,764,202	\$ 1,764,202	s	3.00%	s 1,675,9		120	8	\$1,620,126	\$810,063	7.9910%	96891	s 4,856 S	9,436
103 GIS (GWD/CU) - PPM Integration	GBE. Asset Management	4572	88		1287117	844,845	s	5.0%	802,68		130	8 8	\$775,853	\$387,926	7.9910%	%8891	S 2,326 S	4,519
	GBE- Asset Management	4572	3 6		103,929	s 103,925		2009	S 98,77		120	8 8	\$97,910	\$48,955	7.9910%	96891	s 298 S	139
	GBE- Asset Management	4572	C210		3,591,031	\$ 3,591,031	s	5.0%	\$ 3,411,40		02	8	\$3,383,051	\$1,691,525	7.9910%	96891	S 10,303 S	4,802
107 Complex Design (CAD) & Est mating (ES W) 108 Program Learning Management-1	GBE- Asset Maragement GBE- Business Frablement	4572	0000		2,389,087	S 2,389,080	, ,	5.0% 5.0%	S 2,209,60.		8 8	06 57 85 87 5 185	87,050,719	SI,125,559 S78,796	7.9910%	16.89%	S 0,833 S	3,195
	GBE- Business Enablement	4572	C210	8 620,139		\$ 689,043	S	5.0%	S 620,1:		120	\$490,943	\$428,929	\$459,936	7.9910%	96891	s 4,512 S	10,474
110 Program Business Sustainment-1	GBE- Business Enablement	4572	0210	8 62,655		S 69,617	S	5.0%	8 62,6	5 3/1/2019	120	\$55,868	\$49,602	\$52,735	7.9910%	96891	S 517 S	1,058
	GBE- Business Enablement GBE- Business Enablement	4572	3 8	S 1,364,679		\$ 1,516,310		5.0%	s 1,364,67		2 2	\$1,216,839	\$1,080,371	\$1,148,605	7.9910%	16.89%	s 200 s	23,049
	GBE- Business Erablement	4572	C210	180'091		S 173,060	S	5.0%	S 160,00		120	\$158,747	\$142,739	\$150,743	7.9910%	96891	S 1,479 S	2,704
114 Program Istans kermathensi Change Office-3 115 Program Besiness Sustainment 3	GBE- Business Enablement	4572	0 0	S 541,051	221771	5 368,004		5.0%	S 341,00		8 2	8258,200 S	\$204,104	\$321,157	7.9910%	16.89%	S 9790 S	2,760
	GBE- Business Enablement	4572	0210		195,721	S 195,721	· s	9,00%	s 185,9;		120	8	\$184,385	892,193	7.9910%	96891	S 562 S	262
117 Program Trans formational Change Office-4 118 Continuor Eventions Program London bin, 1	GBE- Dustiness Enablement	4572	3 3		169,648	S 169,648	· ·	5.0% 5.0%	N 171 S		02 12	08 2000	\$159,823	579,911	7.9910%	96891	S 487 S	1956
	GBE- Customer Engagement	4572	000	S 10,817,383		s 11,875,000		2009	S 10,817,33	3 6/1/2019	120	\$9,915,934	\$8,834,196	89,375,065	7.9910%	96891	s 596,16 s	182,706
	GBE- Customer Engagement	4572	0210	s 4,392,293		\$ 4,796,546	S	200%	\$ 4,392,28		120	\$4,172,678	\$3,733,449	\$3,953,064	7.9910%	96891	S 38,778 S	74,186
12.1 Entpstyce Support intensional in this notease. 12.2 Customer Experience Program Leadership-2.	GBE- Customer Engagement	4572	8 8	246,306		s 266,277		5.0%	S 246,30		130	\$244,254	S2 19,623	\$231,938	7.9910%	16.89%	s c4,102 s	4,160
	GBE- Customer Engagement	4572	C210	S 17,195,000		S 19,000,000	s	5.0%	\$ 17,195,00		120	8 8	\$15,762,083	57,881,042	7.9910%	96891	s 45,607 S	242,020
124 Large Commercial & Landsord Inferaction 125 Employee Sumoort Interaction - Second Release	GBE- Customer Engagement GBE- Customer Engagement	4572	3 8	S 52,529	292.791	S 1,446,502 S 292,791		20%	S 278.1		130	3 8	\$1,209,957	\$128,645	7.9910%	16.89% 16.89%	s 3,00/8 s	3.523
	GBE- Customer Engagement	4572	C210		2,010,254	\$ 2,010,254	s	5.0%	S 1,909,74		120	8	\$1,861,998	8930,999	7.9910%	96891	S 5,612 S	8,064
127 Customer Experience Program Leadership-3 128 Data Mana gement Implementation (Quality & Cleansing)	GBE- Customer Engagement GBE- Data Management	4572	8 8	. 000'06'6 s	203,177	s 203,177 S 11,100,000	v v	50% 50%	s 9,990,00	8 3/1/2021 0 12/1/2017	120	87,659,000	\$191,410	\$95,705 \$7,159,500	7.9910%	16.89% 16.89%	S 383 S S 70,231 S	272
	GBE- Data Management	4572	C210 S	\$ 53,001		S 58,890	s	5.0%	\$ 53,001		120	\$41,959	836,659	839,309	7.9910%	16.89%	s 386 s	808
130 Enable the Data Archive Process 131 Data Management & Grannenger Programm London blin. 2	GBE. Data Management	4572	0000	1,963,221		\$ 2,179,480	s	5.0%	\$ 1,963,2	0 3/1/2019	02 12	\$1,750,539	\$1,554,217	\$1,652,378	7.9910%	96891	S 16209 S	33,159
	GBE- Data Management	4572	C210	\$ 82,985		\$ 89,713		5,00%	\$ 82,985		120	\$82,293	\$73,995	\$78,144	7.9910%	96891	S 767 S	1,402
	GBE- Information Services Enabling	4572	0210	5,472,100	,	\$ 6,080,111	s .	5.0%	\$ 5,472,10		82	\$4,149,676	\$3,602,466	\$3,876,071	7.9910%	16.89%	S 38,022 S	92,424
134 Comprehensive Integration Services (Enhancements) 135 Application (Environment) Infrastructure	GBE- Information Services Enabling GBE- Information Services Enabling	4572	2 E	S 1,956,969		S 78,624 S 2,174,410	× ×	5.0%	S 1,956,98	9 12/1/2017	8 8	\$54,251 \$1,500,343	\$47,174 \$1,304,646	\$50,712 \$1,402,494	7.9910%	16.89% 16.89%	s 497 S S 13,758 S	33,053
	GBE- Information Services Enabling	4572	C210	S 2,613,528		\$ 2,903,920	s	5.0%	\$ 2,613,57		120	\$2,069,043	\$1,807,690	\$1,938,367	7.9910%	96891	S 19,014 S	44,142
137 SAP and Application Integration Development-Release 1-1 138 Mobility CoE & End-User Computing-1	GBE- Information Services Enabling GBE- Information Services Enabling	4572	8 8	5 4,288,668		s 4,765,187 S 604,790	s s	20% 20%	S 4,288,64		8 2	\$430.913	\$2,966,329	S3, 180,762 S403,697	7.9910%	16.89%	s 31,202 s	72,436
	GBE- Information Services Enabling	4572	C210	\$ 951,992		\$ 1,057,768	s	9,00%	8 951,90		120	\$793,326	\$698,127	\$745,727	7.9910%	96891	s 7,315 s	16,079
140 Development Operations & BPA Enablement-2 141 SAP and Amelication parameters Paradoment Dalama 1.2	GBE- Information Services Enabling	4572	8 8	2,305,810		\$ 2,562,011	s	5.0%	S 2,305,81	0 3/1/2019	120	\$2,056,014	\$1,825,433	\$1,940,723	7.9910%	%6891	S 800'61 S	38,945
	GBE- Information Services Enabling	4572	8 8	s 4,550,140		S 5,055,712	۰ ۰	5.0%	s 4,550,1-		2 2	\$4,057,208	\$3,602,194	\$3,829,701	7.9910%	16.89%	s 37,567 S	76,852
	GBE- Information Services Enabling	4572	C210	S 828,483		\$ 920,536	s	5.0%	S 828,4		120	8738,730	\$655,882	\$697,306	7.9910%	96891	S 6,840 S	13,993
	GBE- Information Services Enabling GBE- Information Services Enabling	4572	8 8	2,001,833		s 2,164,144 S 600,000	s s	20% 20%	s 2,001,833 s 555,000	3 3/1/2020	120	\$1,985,151	\$1,784,968	S1,885,060 S522,625	7.9910%	16.89%	s 18,491 S S 5,127 S	9.374
	GBE- Information Services Enabling	4572	C210	s 4,067,285		\$ 4,397,065	s	5.0%	\$ 4,067,22		120	\$4,033,391	\$3,626,662	53,830,027	7.9910%	96891	s 37,571 s	969'89
147 SAP and Application Integration Development-Release 3-1 148 Mobility CoE & End-User Computing-3	GBE- Information Services Enabling GBE- Information Services Enabling	4572	3 6 6	954,455		S 85,915 S 1,031,843	s s	5.0%	s 954,4	3/1/2020	8 2	\$78,809 \$946,501	\$70,862 \$851,055	\$74,835	79910%	16.89%	s 734 S S 8817 S	1,542
149 Test Automation Implementation	GBE- Information Services Enabling	4572	C210	S 2,079,221	288,018	\$ 2,577,052	s 2,367,240	5.0%	\$ 2,352,839	_	120	8	\$2,274,411	\$1,137,205	7.9910%	16.89%	s 818'9	13,246
	GBE- Information Services Enabling	4572	C210		2,176,436	\$ 2,176,436	s	5.0%	\$ 2,067,6	4 3/1/2021	120	8	\$2,050,384	\$1,025,192	7.9910%	16.89%	S 6,245 S	2,910

For the Rate Vest coded March 31, 2021												411000	10110001		200108	90165			
						Forecasted Bak	moc Adireted Forecasted		Forecasted Bul- after Fiscal Y.	ince									
	Programs		Rill Pool Fis	orecasted Balance at F scal Year End (FY20)	FY21 Incremental Additions	at Fiscal Year End (FY21)	and Balance at Fiscal Year End (FY21)	d % Slippage/Disallowy	End (FY21)(After ed Slippage/Cuts) Is	fler s) In Service	Amortization Date Period	on 4/1/2/020 Balance		Average Balance	áce Co sturn	NIMO G Allocation	NIMO G Rent-Return	NIMO G Rent - Depn	8.
151 SAP and Application Integration Development- Rokase 1-4	GBE-Information Services Enabling	4572	C210 S		000'009	S 600)	000'009 \$ 000		\$ 570,	3/1/2021		8 8	\$565,250	\$282,625	90166	16.89%	S 1,722		902
	GBE- Information Services Enabling	4572	C210 S		952,793	۰ ۷			s 2005	153 3/1/200				\$448,805	7.9910%		s 2,734		. 74
	GBE- Portfolio Office	4572	C210 S	1,481,327 S		s	s		\$ 1,481,	327 3/1/20		\$1,172,717		1598,00118	7.9910%	96891	777701 S		20
	GBE- Portfolio Office	4572	CZ10 S	1,930,034 S		s 2,144/			s 1,930.	034 3/1/20				\$1,624,445	7.9910%		s 15,935 S 15,935		86
	GBE- Portfolio Office	4572	C210 S	3,568,169 \$		\$ 3,964,0	S		\$ 3,568,	169 3/1/20				\$3,003,209	7.9910%		\$ 29,460		990
158 Port bito Management Leadership-3 159 Solution Architects & Arab Couches-3	GBE- Portfolio Office GBE- Portfolio Office	4572	200 200 200 8	1,999,129 S 2,612,469 S		S 2,161,2 S 2,824,3	v		s 1,999,	129 3/1/200			\$1,782,557	\$1,882,514	7.9910%		s 18,467 S 24,132		76.5
	GBE- Portfolio Office	4572	C210 S	8	1,855,901	S 1,855,901	1065881 8 108		S 1,763,	106 3/1/200			\$1,748,413	\$874,207	7.9910%	96891	s 5,32.5		182
161 Regulatory/Compliance 162 Samoly Chain Promain Leadership	GBE- Regulatory and Complance GBE- Sumby Chain	4572	C C S S	2,718,750 S		s 3,000,0	v v		s 2,718,	550 97120			\$2,288,281	\$2,424,219	7.9910%		S 23,780 S 4 199		20
	GBE- Supply Chain	4572	C210 S	217,614 S		\$ 235,	s s		S 217.	614 3/1/200			\$194,039	\$204,920	7.9910%		S 2,010		575
164 Business Architecture Design	GBE- Work Management	4572	C210 S	2,703,676 \$		\$ 3,004,0	S		\$ 2,703,				\$1,802,451	\$1,937,635	7.9910%	96891	S 19,007		965
	GBE- Work Management GBE- Work Management	4572	S 0000	23,876,723 S		S 26,479,0	, s		S 23,876,	612 5/1/2018			\$145,673	\$156,204	7.9910%		s 181,519		228
	GBE- Work Management	4572	C210 S	1,492,595 \$		\$ 1,658,	s		\$ 1,492,				\$1,131,885	\$1,206,514	7.9910%		\$ 11,835		013
168 WM FE Program Leadership-2 160 Common Drinn Mode Collections and som Americanus Offic. Co.	GBE- Work Management	4572	C210 S	507,323 S		\$ 563,	s •		S 507.				\$401,631	\$426,997	7.9910%		\$ 4,189		69.0
	GBE- Work Management	4572	C198 S	4,846,833 5 2,589,382 S		s 2,859,			s 4,848, S 2,589,				\$2,200,974	\$4,327,968	7.9910%		s 42,455		77.
	GBE- Work Management	4572	C210 S	18,594,195 \$		\$ 20,374,	S		\$ 18,594				\$15,805,066	\$16,734,775	7.9910%		S 164,160		950
	GBE- Work Management	4572	CI98 S	10,012,258 S		\$ 10,970,5	s		\$ 10,012,				\$8,510,419	59,011,032	7.9910%				. 3
	GBE- Work Management	4572	S 210 S	846.783 \$	1031426	, ,			s 1826				\$1674418	\$518,273	7.9910%		s 4.845		96
	GBE- Work Management	4572	C210 S	8,279,323 S	10,718,386	s	s		S 18,461,					\$8,692,426	7.9910%		S 51,231	s	500
	GBE- Work Management	4572	C210 S		155,062	s	s		S 147,			8		573,041	7.9910%	16.89%	S 445	\$ 207	202
177 Work Forecasting & Planning - solution	GBE- Work Management	4572	C210 S		1,708,505	v o	s o		5 1,623,				88	000	7.9910%			v v	
	GBE- Work Management	4572	C 210 S	320,816 S	2,984,574	۰ ۷			s 2,777,				8 8	80				۰ ۷	
	Growth Play Book-CXT	4426	C175 S	2,000,000 S		s	s		s 2,000,				\$1,595,238	\$1,738,095			S 8,733	S	91.
	Growth Play Book-CXT	4427	C175 S	8,500,000 8		s 8,500,	s	-	8,500				\$6,577,381	57, 184,524			5 36,097	s	77
182. Governance Risk & Complaince (GRC) Optimization/Upgrade 183. 18 SAP: Basiness Phenoine	Growth Play Book-Finance	4222	0000	1,540,000 S		5 1,540,0	· ·		5 1,540,				51,081,667	\$1,191,667			S 3,170	s s	92.0
	Growth Play Book-Finance	4563	O000 S	1,315,000 S		\$ 1,315,0		_	\$ 1,315,				\$1,048,869	\$1,142,798			S 3,040		9 7
	NY REV / Grid Mod		\$210E S	3,429,633 \$		\$ 3,429,	s		\$ 3,429,				\$1,238,479	\$1,810,084			s	S	
186 Load and DER Forecasting (Acquisition of Remote Sensing Data - NY) 197 Bland Information Historian	NY REV / Grid Mod	4729 4704V	CH3 S	8,526,273 S		8,526,	s •		8,526,		2 2	54,872,156	\$3,654,117	\$4,263,136			\$ 68,942	s 329,967	29
	NY REV / Grid Mod	4704P	5210E S	915.837 S	010/140/0	° s			S 915.		: z	\$915.837	\$785,003	\$850.420					
	NY REV / Grid Mod	4704D	\$210E \$	1,130,816 \$	449,335	s	S	-	\$ 1,580			8	\$1,373,226	\$686,613			s	·	
	NY REV / Grid Mod	47041	5210E S	491,473 S	805,949	s	s		\$ 1,297,			8 8	\$1,127,522	\$563,761			s		
191 AM1+ Cas Emmancements 192 Green Bulton Connect	NY REV / Grid Mod	4704C	CIB	2 198 984 S	873.775	s 3072759	. 5 3072759		s 3.072.759	759 3/31/2021	* *	3 3	83.072.759	\$1.536380	7.9910%		s 15.086		
	NY REV / Grid Mod	4704F	\$210E S			s	s		8			8	8	So	7.9910%				
	NY REV / Grid Mod	47041	\$210E S	S		s	S		s			8	8	SO	7.9910%		s	S	
	NY REV / Grid Mod	47040	5210E S	2 0000000 5	5610,018	n u	, ,		S 1,100,			8 8	S1,100,000 S0	8250,000	79910%	0.00%			
197 Grid MOD - ABB/ADMS & D-SCADA	NY REV / Grid Mod	4704G	\$210E S	8	000'000'9	· s	· s		s 6,000,			8	8	So	7.9910%	0.00%			
	NY REV / Grid Mod	47041	\$210E S	743,347 S	972,726	S 1,716,073	773 S 1,716,073	-	\$ 1,716,073			8	8	So	7.9910%	0.00%	s		
199 AM1 - Emberparise Service Bus & APUndegration	NY REV / Grid Mod	4304	CH3 S		2,740,467	· ·	s •		S 2,740,			88	88	80	7.9910%	27.09%			
	NY REV / Grid Mod	4704L	CH3 S		8 tr (660°0	o o			s o'oox'			8 8	8 8	S S	7.9910%	27.09%			
	NY REV / Grid Mod	4704L	\$210E S	s .		s	s		s	- 3/31/20		8	8	80	7.9910%	0.00%	· s	·	
	NY REV / Grid Mod	4704M	CII3 S	\$		s o	s .		S			8 8	8 8	80	7.9910%	27.09%		s s	
	NY REV / Grid Mod	4704N	CI13 S	2,300,000 S	4,498,947	۰ ۰			s 4,009,		35 35 12 15	8 8	8 8	80 80	7.9910%	27.09%		0 00	
	NY REV / Grid Mod	4704N	\$210E \$	3,000,000 \$	7,107,510	s	s		\$ 10,107,		22	8	8	80	7.9910%	0.00%	s	s	
207 Residential Solar Marketplace	NY REV / Grid Mod	1007	5210E S	\$4350 \$		\$ 54,350	150 S 54,350		S 54,350	350 3/31/2019	96 96	\$36,233	\$18,117	\$27,175	7.9910%	0.00%		s o	. 0
	Office Mappings	3821	GISI	1,234,000 S		s 1,000,			s 1,000,		: z	\$881,429	\$705.143	\$793.286	7.9910%	0.00%	s .	· v	à.
	Other Mandates	4400	O000 S	1,126,000 S		s 1,126,	S		S 1,126,	000 12/31/2017	17 84	\$764,071	\$603,214	\$683,643	7.9910%	4.58%	S 1,818	s s	7,367
	Other Mandates	0077	0000 s	S			. 8 .				z : ∞ :	8 2	08 000	S S S S S S S S S S S S S S S S S S S	7.9910%	4.58%		8 0	. 3
2.12 US CONTON-LOS Executions Builtin Board (EBB) Upgrade 2.13 Remistions Manchines - FV19	Other Mandales	Ŷ	0000	3,000,000 5		s 3,000,0			s 3,000,		z z	82,178,571	000,000,18 00	\$1,964,280 \$0	79910%	4 58%	261,41	n v	÷ .
	Other Mandates		C0000			s	s		S	. 331/20	88	8	8	So	7.9910%	4.58%	·	S	
	Other Mandates		O000 S	8		s			s		28 :	8	8	So	7.9910%	4.58%	8	S	
216 Physical Security Replacements - FV17 217 Physical Security Replacements - FV17	Physical Security Physical Security		0000	2,719,184 S		5 2,719,184	s s		s 2,719,184	184 3/31/2017	2 2	81,355,820	\$1,165,365	\$1,359,592 \$0	7.9910%	4.38%	s 3,717	· ·	13,791
	Physical Security		G423 S					_	s		. z	8	8	So	7.9910%	0.00%		· s	
	Physical Security		C0000 S	s 000'056		)056 S	000 S 000		s 950,000		84	\$678,571	\$542,857	\$610,714	7.9910%	4.58%	\$ 1,625	s	913
220 All NIMO Physical Security Replacements - FV18 221 Thousiest Security Daulinean and - EV18	Physical Security		GH4 S	490,000 S		s 490)	s		s 490		8 8	\$350,000	\$280,000	8315,000	7.9910%	15.97%	S 2,922	s .	179
	Physical Security		G423 S				۰ ۷		o o	3/31/2018	2 25	8 8	8 8	80	7.9910%	0.00%		0 0	
	Physical Security		O000 S	825,000 S		\$ 825,	000 S 825,000		\$ 825,000		58	\$707,143	8589,286	\$648,214	7.9910%	4.58%	s 1,724	s	866
	Physical Security		GI14 S	275,000 S		S 275,	S		S 275,		25 25	\$235,714	\$196,429	\$216,071	7.9910%	15.97%	S 2,004	S	574
	Physical Security Physical Security		G423 S						n n		3 3	8 8	3 8	80 80	7.9910%	0.00%		× ×	
	Physical Security		S 0000	835,000 S		\$ 835,	s		\$ 835,000		20 84	\$835,000	\$715,714	\$775,357	7.9910%	4.58%	\$ 2,062	s	163
	Physical Security		GI14 S	282,000 S		\$ 282,	s	9,000	S 282	000 3/31/2020	2 2	\$282,000	\$241,714	\$261,857	7.9910%	15.97%	\$ 2,429	s	134
229 Physical Security Replacements - FY20 230 Physical Security Replacements - FY20	Physical Security Physical Security		G20 s			n u		9000	n n	- 3/31/20	8 8	3 8	8 8	S 80	7.9910%	0.00%		, ,	

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                                                                | Forecasted Balance at      | FY21 Incremental | Forecasted Bakmon<br>at Fiscal Year End                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Forecasted Balance<br>after Fiscal Year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | alance<br>Year<br>After                                                                                                                                
          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|                 | 4.48 4.48 4.48 4.48 4.48 4.48 4.48 4.48                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                            |                  | C100         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447)         S1 (447) <td< td=""><td>  Compose</td><td>CDM         SMAPT         STATE           CDM         SMAPT         STATE           CDM         SMAPT         STATE           CDM         SMAPT         STATE           CDM         SMAPT         STATE           CDM         SMAPT         STATE           CDM         SMAPT         STATE           CDM         SMAPT         STATE           CDM         SMAPT         STATE           CDM         SMAPT         STATE           CDM         SMAPT         STATE           CDM         SMAPT         SMAPT           CDM         SMAPT         SMAPT           CDM         SMAPT         SMAPT           CDM         SMAPT         SMAPT           CDM         SMAPT         SMAPT           CDM         SMAPT         SMAPT           CDM         SMAPT         SMAPT           CDM         SMAPT         SMAPT           CDM         SMAPT         SMAPT           CDM         SMAPT         SMAPT           CDM         SMAPT         SMAPT           CDM         SMAPT         SMAPT           CDM         SMAPT         S</td><td>CORD         S. SIAHT         S. SIAHT           CORD         S. SIAHT         S. SIAHT           CORD         S. SIAHT         S. SIAHT           CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD</td><td>CDD         SIMMAT         SIMMAT         SIMMAT         ORD           CDD         SEMAT         STATE         STATE         STATE         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD         STATE           CDD         SEMATO         STATE         STATE         ORD         ORD         STATE           CDD         SEMATO         STATE         STATE         ORD         ORD         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD         ORD           CDD         SEMATO         STATE         STATE         STATE         STATE         STATE           CDD         SEMATO         STATE         STATE         STATE         STATE         STATE           CDD         SEMATO         STATE         STATE         STATE         STATE         STATE           CDD<td>COD         S. MARTA         S. MARTA         S. MARTA         ORNOR         S. MARTA           COD         S. MARTA         S. MARTA         S. MARTA         ORNOR         S. MARTA           COD         S. MARCA         S. MARTA         S. MARTA         ORNOR         S. MARTA           COD         S. MARCA         S. MARTA         S. MARTA         ORNOR         S. MARTA           COD         S. MARCA         S. MARTA         S. MARTA         ORNOR         S. MARTA           COD         S. MARCA         S. MARTA         S. MARTA         S. MARTA         S. MARTA           COD         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA           COD         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA</td><td>CDD         SIMMAT         SIMMAT         SIMMAT         ORD           CDD         SEMAT         STATE         STATE         STATE         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD         STATE           CDD         SEMATO         STATE         STATE         ORD         ORD         STATE           CDD         SEMATO         STATE         STATE         ORD         ORD         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD         ORD           CDD         SEMATO         STATE         STATE         STATE         STATE         STATE           CDD         SEMATO         STATE         STATE         STATE         STATE         STATE           CDD         SEMATO         STATE         STATE         STATE         STATE         STATE           CDD<td>CLOW         S. 14,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147 
       S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S.</td><td>CHANGE         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN&lt;</td><td>COD         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA</td><td>CORREST         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         &lt;</td><td>CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA<td>CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA<td>CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA</td></td></td></td></td></td<> | Compose                              | CDM         SMAPT         STATE           CDM         SMAPT         STATE           CDM         SMAPT         STATE           CDM         SMAPT         STATE           CDM         SMAPT         STATE           CDM         SMAPT         STATE           CDM         SMAPT         STATE           CDM         SMAPT         STATE           CDM         SMAPT         STATE           CDM         SMAPT         STATE           CDM         SMAPT         STATE           CDM         SMAPT         SMAPT           CDM         SMAPT         SMAPT           CDM         SMAPT         SMAPT           CDM         SMAPT         SMAPT           CDM         SMAPT         SMAPT           CDM         SMAPT         SMAPT           CDM         SMAPT         SMAPT           CDM         SMAPT         SMAPT           CDM         SMAPT         SMAPT           CDM         SMAPT         SMAPT           CDM         SMAPT         SMAPT           CDM         SMAPT         SMAPT           CDM         SMAPT         S | CORD         S. SIAHT         S. SIAHT           CORD         S. SIAHT         S. SIAHT           CORD         S. SIAHT         S. SIAHT           CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD         S. CORD           CORD         S. CORD         S. CORD | CDD         SIMMAT         SIMMAT         SIMMAT         ORD           CDD         SEMAT         STATE         STATE         STATE         ORD         
 CDD         SEMATO         STATE         STATE         ORD         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD         STATE           CDD         SEMATO         STATE         STATE         ORD         ORD         STATE           CDD         SEMATO         STATE         STATE         ORD         ORD         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD         ORD           CDD         SEMATO         STATE         STATE         STATE         STATE         STATE           CDD         SEMATO         STATE         STATE         STATE         STATE         STATE           CDD         SEMATO         STATE         STATE         STATE         STATE         STATE           CDD <td>COD         S. MARTA         S. MARTA         S. MARTA         ORNOR         S. MARTA           COD         S. MARTA         S. MARTA         S. MARTA         ORNOR         S. MARTA           COD         S. MARCA         S. MARTA         S. MARTA         ORNOR         S. MARTA           COD         S. MARCA         S. MARTA         S. MARTA         ORNOR         S. MARTA           COD         S. MARCA         S. MARTA         S. MARTA         ORNOR         S. MARTA           COD         S. MARCA         S. MARTA         S. MARTA         S. MARTA         S. MARTA           COD         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA           COD         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA</td> <td>CDD         SIMMAT         SIMMAT         SIMMAT         ORD           CDD         SEMAT         STATE         STATE         STATE         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD         STATE           CDD         SEMATO         STATE         STATE         ORD         ORD         STATE           CDD         SEMATO         STATE         STATE         ORD         ORD         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD         ORD           CDD         SEMATO         STATE         STATE         STATE         STATE         STATE           CDD         SEMATO         STATE         STATE         STATE         STATE         STATE           CDD         SEMATO         STATE         STATE         STATE         STATE         STATE           CDD<td>CLOW         S. 14,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S.</td><td>CHANGE         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN&lt;</td><td>COD         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA         S. SALTA</td><td>CORREST         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         &lt;</td><td>CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA<td>CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA  
      CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA<td>CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA</td></td></td></td> | COD         S. MARTA         S. MARTA         S. MARTA         ORNOR         S. MARTA           COD         S. MARTA         S. MARTA         S. MARTA         ORNOR         S. MARTA           COD         S. MARCA         S. MARTA         S. MARTA         ORNOR         S. MARTA           COD         S. MARCA         S. MARTA         S. MARTA         ORNOR         S. MARTA           COD         S. MARCA         S. MARTA         S. MARTA         ORNOR         S. MARTA           COD         S. MARCA         S. MARTA         S. MARTA         S. MARTA         S. MARTA           COD         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA           COD         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA         S. MARTA | CDD         SIMMAT         SIMMAT         SIMMAT         ORD           CDD         SEMAT         STATE         STATE         STATE         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD         STATE           CDD         SEMATO         STATE         STATE         ORD         ORD         STATE           CDD         SEMATO         STATE         STATE         ORD         ORD         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD         ORD           CDD         SEMATO         STATE         STATE         ORD         ORD         ORD           CDD         SEMATO         STATE         STATE         STATE         STATE         STATE           CDD         SEMATO         STATE         STATE         STATE         STATE         STATE           CDD         SEMATO         STATE         STATE         STATE         STATE         STATE           CDD <td>CLOW         S. 14,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S.</td> <td>CHANGE         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN&lt;</td> <td>COD         S. 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SALTA</td> <td>CORREST         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         &lt;</td> <td>CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA        
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CHA</td></td></td> | CLOW         S. 14,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. 15,147         S. | CHANGE         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         STAGEN         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SALTA | CORREST         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         STATE         <                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA         CHA     
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Line Investment Name 1 INVP 3-564-Cust Choice ISCO Cas 2 INVP 4122 - Cross Company Unsterner																
	Description	WANT	Work Order	JAMIN	Bill Bool	FV10 Total Spand		Amortization		3/31/2/019 Balance	Average Balance	Service Co	NIMOG	NIMO G Bant Bottom	NIMO G Peret - Derm	- Down
2 INVP 4172-Cross Company Customer	INVP 3564 Customer Choice ESCO Gas Management		90000134705	9	CZZS	14,409,95			\$11,322,104		\$10,292,822	8.0710%		s	S	
A DAMPAGO COLORS DOLL	INVP 4172 - Cross Company Customer Systom Enhancements		90000164925	YES	C175 §	13,889,170			\$10,747,572		\$9,755,488	8.0710%		s	8 19	171,644
S INVESTIGATION CONTINUES OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF T	INVP 4102 - Mobile Capture of Plastic Fusion Data	4102	90000162166	YES	6207	303,52			\$234,870		\$213,190	8.0710%		\$ 2,5	31 \$	8,442
5 INVP 3914-Bill Print Facility	INVP 3194 - Bill Print Facility Relocation Support	3914	90000171355	YES	CI75	317.73			\$238,304		\$215,608	8.07.10%	865%			3927
6 INVP3629 Cascade System for Gas	INVP3629 Cascade System for Gas		90000134426	YES	G210 S	2,353,20			\$1,764,906	\$1,428,733	\$1,596,819	8.0710%		\$ 12,1	31 S	41,820
7 INVP3853 NMPC C-Cure Conv to AMAG	TWO PSSES SHARE CCLUTE Convestion to AMAG (non-NER C only)		90000145855	YES	GII3	822,67			\$617,008		\$558,246	8.07.10%		5 7.0	s = 2	24,140
9 USFP R3 Supply Chain	USFP Reference 3 Filtantice USFP Reference 3 Supply Chain activity	USFP	90000142410	YES	0012	(379,815)	15) 6/1/2016	120	8 8	80	8 8	8.0710%		s 575	s s2	
10 USFP R3 Payroll	USFP R3 Payroll part of USSC-12-333		90000142385	YES	G012	3 (149,37			06		8	8.0710%		\$	26 S	
11 INVP 2927 US Desktop Refiesh	NVP 2927 US Disktop Refresh	2927	90000150615	YES	0012	413,86			\$300,544		\$270,982	8.0710%	458%	5	e e	2,708
12 INVP283 CRIS Mismation	IN VESSS ORIS Missation to CSS System	2583	90000137859	NO NO	C225	1,080,2 1,080,2			PG,290,16		86,020,18	8.07.10%			n sn	90°70°
14 INVP 2927 US Desktop Refresh	INVP 2927 US Dosktop Refresh	2927	90000150615	YES	0012	6,823,93			\$4,955,478	\$3,980,0	\$4,468,054	8.07.10%		\$ 12,5	15 \$	44,648
15 USFP R3 Finance	USFP Release 3 Finance	USFP	90000142411	YES	0012	(3,665,858)	58) 5/1/2016		08		08	8.0710%		\$ 5,5	5,553 \$	
16 INVP4024 SoftOff Program 17 INVP 3883 Mobile Denies for PTO Me	INVF4024 Soft Off Program NAP 3883 Mobile Durine for PTO Motor Operations GMS and 18R	40.24	90000156429	YES	613	1,285,40			\$918,188		\$826,370	8.07.10%	5.73%	8,00	2 F S	35,754
18 IN 3136 NE GAS LEAKS RECHECKS	Capitalized Software-INVP3136 NE Gas Leaks Rechecks	3136	90000124374	9 N	6310	1,326,23			5931,524	\$742,062	\$836,793	8.0710%				
19 INVP 4133 - L1 Stabilization	INVP 4133 - LI Sabilization	4133	90000163306	9	5230G §	60,776			\$475,576		\$427,213	8.0710%		s	8	
20 INVP3492 CI Services Foundation	INVP3-692 Comprehensive Integration Services Foundation	3492	90000134389	YES	0012	2,570,472			\$1,774,850		\$1,591,245	8.0710%	458%	\$ 4,371	21 S	16,818
22 USFP R3 Payroll	Capturized Software-five 7 500/D SS 7 red filmatives 2 USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	0012	2,07	78 2/1/2016	120	\$1,628	S1,420	\$1,524	8.0710%		. ~	. 8	34,002
23 INVP 3375D Challenge Limits Letters	INVP3375D. Chalkings the Limits Letters	3375D	90000140579	YES	GII3	409,859			\$282,998		\$253,722	8.0710%		\$ 3,126	26 S	12,026
24 INVP2495HUS CNI Frame Relay Replac	INVP2495H US CNIFrame Relay Replac	2495H	90000134425	YES	6210	6,532,67			\$4,510,656		\$4,044,036	8.0710%	12.44%	\$ 30,1		116,095
26 INVP 3237 Street Light Outage Impro	INVP 3237 Street Light Outage Imp	3237	90000120335	YES	8619	324,546		. 48	\$220,228		\$197,046	8.0710%				
27 INVP 4323 - Mainframe Upgrade	INVP 4323 - Mainframe Upgrade		90000171825	YES	0000	2,868,01		84	\$2,287,583		\$2,082,725	8.0710%		\$ 5,8	10 \$	18,765
28 INVP 1172 - AMAG Upgrades	Access Centrol & Alarm Menioring System		90000112731	YES	0000	6,129,07		84	\$4,888,670		\$4,450,879	8.0710%	458%	\$ 12,4	16 5	40,102
20 INVP 5258 - VS IIG Bandwidth Increas 30 INVP 4266 - End Liser Device Refresh	IN VF 25.58 = VS LKD Barrowigth increases IN VP 42/66 - End User Device Refresh Win? Pts Assessment (Full)		90000128800	YES	07070	294.85		8 84	\$235.185		\$214.123	8.07.10%		, s	o so	1929
31 EHRI-Payroll	EHR I - Payroll	USFP	90000148062	YES	0012	6,240,54		8 8	\$4,160,362	\$3,268,856	\$3,714,609	8.07.10%		\$ 10,2	13 \$	40,831
32 EHR1 - Finance	EHR1 - Finance	USFP	90000148060	YES	0012	10,024,52			\$6,683,014		55,966,977	8.0710%		\$ 16,4	S 90	682'59
33 EHR1 - Supply Chain 34 EHR1 - IT Delivery	EHR I - Supply Chain EHR I - ITDelivery	INFP	90000148059	YES	8 6 5 6	18,657,154	54 12/1/2015 84 12/1/2015	20 84	\$12,438,103	\$9,772,795	\$11,105,449	8.07.10%	458%	S 30,534 S 5042	25 S	122,071
35 EHR1-PMO	EHR1-PMO	USFP	90000148055	YES	0012	8,346,17			\$5,564,115		\$4,967,959	8.0710%		\$ 13,6	8 8	54,608
36 EHRI-BPS	EHR1-BPS	USEP	90000148063	YES	0015	14,956,76			89,971,179		\$8,902,838	8.0710%		\$ 24,4	78 \$	97,860
5/ DMS/OMS Replacement 38 INVP 3375B Challence the Limits XMI.	NONE NVD32750. Challenge the Unite XXI	N/A 3375B	90000098917	YES	8615	88,280,20 75,016,27			925,789,259		\$59,097,552	8.07.10%	9000	. [2		8408
39 USFPR3 Finance	USIFP Release 3 Finance	USFP	90000142411	YES	000	12,524,54			\$9,393,410	\$8,140,956	\$8,767,183	8.07.10%		s 24,023	. s .	57,362
40 INVP2960C - GridForce SaaS Ph2	INVP 2960C - GridForce SaaS Phase 2 Implementation	2960C	90000131135	YES	0210				08		98	8.0710%			8	. :
41 INVP29/40-GRC Enterprise Risk & Comp 42 INVP2897 B Scentific Access Panels	Capitalized Software NAPS803R Scennicu Access Panels NERC CIP Compliance	29.40 78.07.B	90000109629	YES	G012	3,552,01			\$2,198,865		\$1,945,150	8.07.10%	458%	5, 5,3	× ×	23,240
43 IN 1043 NE EMS Replacement	Replacement for WO 90000097247 to properly book the WO under the correct Intangable CWIP and asset GL accounts.		90000157429	90	U273 S	29,309,50			\$17,795,055		\$15,701,519	8.0710%			90	
44 INVP 2970 Security Info & Event Mgm	Capitalized Software-INVP 2970 Security Info & Event Mgm		90000133045	YES	0000	1,752,601			\$1,001,486	\$751,115	\$876,300	8.0710%		\$ 2,4	2,420 \$	11,467
45 IN 3124B GLOBAL HR STRATEGY 46 INVP\$615 Success Entermiss Renorti	IN 3124B GLOBALHR STRATEGY Conital ireel Software NAVP 3615 Surcess Fatermice Mont	31248	90000119765	YES	0000	1,752,21			\$1,001,267		\$304.207	8.0710%	458%	S 2,4	S S	11,465
47 USFP-Testing-R1	Copinitized Software 1991 - Only Observed Little Prince Figure NONE	USFP	90000107542	YES	0002				08		08	8.07.10%				
48 INVP 2951 - Legal Hold Automation	INVP 2951 - Legal Hold Automation	2951	90000131880	YES	0012	647,273			\$362,165	\$269,697	\$315,931	8.0710%	4.58%	8	73 \$	4,235
49 INVP 1549B Meter Reading System Con 50 INVP 2023 Intermed Toolsed	Capitalized Software- INVP 1549B Meter Reading NAPARE Inverse Toolese	1549B	90000120707	YES	6175	1,174,50			\$657,162	\$489,376	\$573,269	8.07.10%	573%	S .	s s	9,614
51 INVP 3378 Rubber Goods Testing	INVP 3378 Rubber Goods Testing	33.78	90000137871	YES	9819	396,375			\$221,781		\$193,469	8.07.10%			9	
52 INVP 0823 DATA LOSS PREVENTION	Capitalized Software INVP 0823 Data Loss Prevention	823	90000112636	YES	0000	782,169			\$437,642	\$325,904	\$381,773	8.0710%		s 1,0	1,055 \$	5,118
55 INVPR25C Laptop & Fort Device Into 54 INVPR23D Guardium	INVPORZZE Laptop & Port Device into INVPS23D Gaardium	0823c 823D	90000105518	YES	8 6	2,545,08			\$1,422,916		\$1,241,26/	8.07.10%	458%	× ×	× ×	10,639
55 INVP2960C GridForce SanS Phase 2	INVP2960C Grid Force SaaS Phase 2	2960C	90000144051	YES	G210 S	3,254,217	17 3/1/2015		\$1,820,812	\$1,355,924	\$1,588,368	8.0710%		\$ 11,922	22 S	57,832
56 INVP 3600 - US Web Initiatives	INVP 3600 - US Web Initiatives focusing on Content Management & eCommerce for Customer facing website Conitational Commune INVD 2020 Environment	3600	90000131946	YES	C175	1,380,41			\$772,375		\$673,774	8.07.10%	8.65%	3,5	17 \$	17,059
58 INVP3294B PowerPlan Phase 2	Capitalized Software	3294B	90000133798	YES	0012	244,37			\$136,733		\$119,278	8.0710%			200	1,599
59 INVP 2982b Identity & Access Mgt Pr	INVP 2982b Identity & Access Mgt Pr	2982b	90000113826	YES	G012	3,576,972			\$2,001,401		\$1,745,903	8.0710%		8,4,8	24 S	23,404
60 USFP R3 Payroll 61 USFP R3 Payroll	USFP R3 Payroll part of USSC-12-533 USFP R3 Payroll part of USSC-12-533	USFP	90000142385	YES	8 8 2 8	7.489.75		84	\$5.118.001	\$4.369.025	\$4743.513	8.0710%	458%	s s 17.5	2 S S	34303
62 USFP Release 3 - IT Delivery	Capitalized Software USFP Release 3 - IT Delivery	USFP	90000142344	YES	0012	9,575,83			\$6,463,689		\$5,984,897	8.0710%		\$ 16.4	, se	43,857
63 USFP R3 Supply Chain	USFP Release 3 Supply Chain activity	USFP	90000142410	YES	0012	9,814,175	75 1/1/2015		\$6,624,568	\$5,643,150	\$6,133,859	8.0710%	458%	\$ 16,847	47 S	44,949
65 INVP 298 to CNI Network Security Pro	Cartislized Software	2983a	90000113827	YES	0012	2,002,20			SK0.494		\$52.248	8.07.10%				75%
66 Meter Test Equipment	Meter Test Equipment Capitalized Software	N/A	90000103863	ON.	G284 S	186,30	10/1/2014		\$93,154		879,846	8.0710%		s	90	
67 New England Telecom Network Alarm	New England Telecom Network Alarm Capitalized Software	V/N	90000100684	9	G284	88,951			\$44,475		\$38,122	8.0710%			8 1	. :
69 IN 1642 - Radio Standardization Cons	INVF 1645.B = NY Commodity Kaks; Capitalized Software N 1642Radio Standardioni Gray, Cantalized Software	164513	90000110456	YES	2 5 5	130 644			865 323		855 990	8.07.10%	458%			858
70 IN 2366 LI CNI Direct Hw Upgr	IN 2366 LI CNI Direct Hw Upgr Software	2366	90000124371	92	C225	66,93	32 8/1/2014		\$31,872		\$27,092	8.07.10%				
71 INVP 2162 - PRIMAVERA EXPANSION	NVP 2162 - PRIMAVERA EXPANSION - Capitalized Software	2162	90000104720	YES	G376 S	228,928			\$106,288		889,936	8.0710%	%609	. 3	333 \$	1,992
/2 INVP1485 Computapole Migration W / 73 1642 - Radio Standardization Cons	IN VELSES Computations Angignment to windows 7 - Capitalized Software N 1642-Radio Standardization Gens - Canitalized Software	1642	90000009326	YES	8 6 6	3.046.69	0.5 7/1/2014		\$1414.535		\$1196914	8.07.10%	458%			10024
74 INVP2997B EVM Phase 2	INVP2997B Earned Value Management Phase 2 - Capital ized Software	2997B	90000134297	YES	9819	138,24		8	\$64,187	\$44,437	\$54,312	8.0710%	-		8	
75 IN 1182 GAS TR ANSPORT SYS (GTIS)	IN 1182 GAS TRANS PORT SYS - Capitalized Software	1182	90000124369	9N	G227 S	1,780,96		***	\$826,874	\$572,451	\$699,663	8.0710%	90000		s	,

NES .	YES	YES	YES	2 Q	9	2 5	YES	ES	YES	VES VES	YES	YES	YES	XES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	9 ×	YES	YES	YES	YES	YES	YES	YES	YES	YES	ES .	YES	YES	YES	YES.	YES	YES	YES.	YES	YES	YES	YES	YES	YES	YES	YES	YES YES	YES	YES	YES	YES	YES
2																										•									,																					
Work Order	90000120127	90000097856	90000104061	90000124368	90000104968	90000124375	90000117533	90000122634	90000104057	9000011.978	90000104149	90000106874	90000104150	90000113828	90000107276	90000116900	90000119141	90000107743	90000104631	90000093776	90000104257	90000112827	90000095326	90000109487	90000116474	90000104630	90000119937	90000118115	90000097843	90000104655	90000104655	90000104654	90000107539	90000107540	90000104656	90000104645	90000107549	90000097841	90000104648	90000117362	90000117358	90000107547	90000094157	90000107551	90000117364	90000097846	90000121728	90000107550	90000097847	90000097845	90000097844	90000107548	90000107543	90000117567	90000107545	
2002	33.74	N/A	88.2	1182B	N/A	1182B	2981	3393	N/A	KZK LOCILS	NEW02	3103	V/V	3195	26.50 A CT CT	1643C	3307	13.64	2732	NEW03	1389	28.82	N/A	30.76	3210	2522	2960B	3310	USFP	USFP	USEP	USFP	USFP	USFP	LISEP	USFP	USFP	USFP	USFP	USFP	USFP	LISFP	USFP	USFP	LISE	USFP	USFP	USFP	USFP	USFP	USFP	USFP	USFP	USFP	USFP	
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Canitalized S.	INVP3374 Small World GIS FY13 R 1-2 - Capitalized Software	uthentication -		INVP 1182B Gas Transportation System Meter Route Consol	Software	Capitalized Software-IN 1182B GAS TRANS SYS PHASE 2	p Software	INVP 3393 Ehancement of Reservior Woods Capitalized Software		Capitalized Software NVP 1242 FDO Transformation Canitalized Software	BUILDAN JOHN MI	9		mentation				B. Morbodo	or markets							hvare	ce SaaS						_	Capitalized Software-USFP-Process & Design-R1	USFP - Handware & Software-DD Capitalized Software USFP - Solution Auditiecture-DD Canitalized Software	ıre	Capitalized Software-US FP-Business Engagement -R1	HR STREAM - DESIGN CAPEX - Capitalized Software	ware	Strat	-	R. & Info-R.	US Pre-BLUEPRINT STRATEGY PLAN - Capitalized Software	Capitalized Software- USFP-Hardware & Software-R1	USFP Test Finance Capitalized Software INSP - Process & Design-DD - Canitalized Software	S/CHAIN STREAM - DESIGN CAPEX - Capitalized Software	Capitalized Software- US FOUNDATION PRGM ARCH/DECOM	Capitalized Software- USFP-Solution Architecture-R 1	CSFT - Long Strangy-LD - Captual Edu Sott ware PROCESS CONTROL - DESIGN CAPEX - Capital Ed Software	APEX - Capita	PROCESS & DATA - DESKIN CAPEX - Capitalized Software Canitalized Software-US FP-Build & Unit Test-R1	Capitalized Software- USFP-Business Readiness -R1	tegy - R1	=	way - R1	
to Mont Brito.	GIS FY13 R 1	NERC-CIP A	Capitalized Software	Capitation Syste portation Syste	INVP N/A NE EMS TSS Capitalized Software	V1182BGAS T	INVP 2981 US Security Awareness Cap Software	of Reservior A		ormation Cani	dimandi capi	NVP 3103 IRISE Capitalized Software	:	INVP 3195 Storms Archive Tool Implementation				Capitalized Software NAVB 13 64 116 Benedia Web Contents & Markets	wee cubionic							INVP2522 VTL Replacement Cap Software	Software-INVP 2960B CR M Sales force SaaS						Capitalized Software-USFP-PMO-R1	Capitalized Software US FP-Process & Design-R1	rware-DD Ca acture-DD Ca	USFP - PMO-DD - Capitalized Software	SFP-Business	HR STREAM - DESIGN CAPEX - Capitalize	USFP - Testing-DD - Capitalized Software	Capitalized Software. USFP Test Net Strat	Capitalized Software-USFP Test Ops	Capitalized Software-USFP-Curover-KI	FRATEGY PL	SFP-Hardware	JSFP Test Finance Capitalized Software JSFP - Process & Design-DD - Canitalize	ESIGNCAPE	S FOUNDATI	Capitalized Software-USFP-Solution Architectur	- DESIGN CA	T - DESIGN C	PROCESS & DATA - DESIGN CAPEX - Capitali: Canitalized Software-US FP-Build & Unit Test-R1	SFP-Business	Capitalized Software- USFP-Data Strategy - R1	Capitalized Software-USFP Test SS Capitalized Software-USFP-Testing-R1	Capitalized Software- USFP-Tech Delivery - R1	
7 Farmed Valu	SmallWorld	E& NY EMS	Capitalized Software	2B Gas Trans	NE EMS TS	Capitalized Software B	1 US Security	3 Ehancement	Capitalized Software	Capitalized Software INVP 1242 FDO Transl	Capitalized Software	3 IRISE Capi	Capitalized Software	5 Storms Arch	Capitalized Software Canitalized Software	Capitalized Software	Capitalized Software	Capitalized Software	Canitalized Software	Capitalized Software	Capitalized Software	Capitalized Software	Capitalized Software	Capitalized Software	Capitalized Software	VII. Replac	NVP 2960B (	Capitalized Software					d Software-Ut	d Software-Ut	attivition Archite	MO-DD - Cap	d Software-Ut	AM - DESIG	sting-DD - C	d Software, U	d Software L	d Software-U	UEPRINTS	d Software- L	t Finance Cap ocess & Desi	STREAM - D	d Software, U	d Software L	S CONTROL	A TION MGM	S & DATA - I d Software-U	d Software- U	d Software- U	Capitalized Software-USFP Test SS Capitalized Software-USFP-Testing	d Software- U	
NVP 2997	INVP337	NANN	Capitalize	INVP 118	INVP N/	Capitalize	INVP 298	INVP 339	Capitalize	NVP 124	Capitalize	INVP 310	Capitalize	INVP 319	Capitalize	Capitalize	Capitalize	Capitalize	Capitalize	Capitalize	Capitalize	Capitalize	Capitalize	Capitalize	Capitalize	INVP252	Software-	Capitalize	NONE	NONE	NO NO	NONE	Capitalize	Capitalize	USFP - Sc	USFP - PI	Capitalize	HR STRE	USFP - To	Capitalize	Capitalize	Capitalize	US Pre-BI	Capitalize	USFP Tes	S/CHAIN	Capitalize	Capitalize	PROCES	INFORM	PROCESS	Capitalize	Capitalize	Capitalize	Capitalize	
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mt Proto	Y13 R 1-2	C-CIP Auth 1				HASE 2 (G1	eness	servior W	rd/Softw	ed Asset	0	Software	6	adul loc	arcode merless B	U + Deposits	nter Host	set Sys C	h Replace	t-CM-NEW0	inor Works	ontracts		giene	nversion	TUS	SMEN	Track Sys	MM-DESIGN	- QQ	-DD MM-DPS KB	D C		E	9 6		<u>12</u>	ΕX					EGY PLAN	2		N CAPEX	RCHDECO	≂	KENCAPEX	ESIGN CAPE	IN CAPEX	_				
of Value Mo	World GIS F	Y EMS NER	1000	sol	MS TSS	CANS SYS I	ecurity Awa	cement of Re	esources/Ha	verrant Lose Fet Tool	to Order Pro	ness Capture	Gen Work R	ns Archive T	igent Mail B	MO EL TO	or StormCa	Interval Colk Postil Web	Aorage Swite	Мападетеп	Omputing M	Is Alliance C softing & An	ementation	Address Hy	graphics Co Choice Errai	PLACEMEN	SAAS IMPLI	IR Applicant Pendines I	NGE & CO	Епдадетет	Engagement NGH & CO	Readiness-I		Design -R1	Architecture		ngagement	DESIGNCA	DD DD	trat		C. A. Info-R.	INT STRAT	& Software-	ce R Design-DI	AM - DESIG	N PRGM A	Vrdritecture-	TROL - DES	MGMT-D	VTA - DESIC Init Test -R.1	Readiness -R	cgy-R1	_	very - R1	
INVESTIGATE Formed Value Morre Boto	NVP3374 SmallWorldGIS FY13 R 1-2	N N/A NE & NY EMS NERC-CIP Auth MW	NVP 0887	Meter Route Corsol	NVP N/A- NE EMS TSS	IN1182BGAS TRANS SYS PHASE 2 (GTB)	INVP 2981 US Security Awareness	INVP 3393 Ehancement of Reservior W	Inspect System Resources/Hard/Softw	INVP 5294 - PowerPlant Loased Asset STD01-Concept Fet Tool	CM-NEW 02-Simp Order Proc	INVP 3103 Business Capture Software	WCLS13 - Auto Gen Work Req	INVP 3195 Storms Archive Tool Imple	INVP 2650 Intelligent Mail Barcode INVP 3232A - Tallyman & Panerless B.	INVP 1643C - NIMO EL TOU + Deposits	INVP 3307 iFactor Storm Center Host	INVP1549-Non-Interval Collect Sys C	INVP 2732 US Storage Switch Replace	EDOT-Customer Management-CM-NEW(3)	INVP 1389 US Computing Minor Works	INVP 2852 - ACIS Alliance Contracts IN 2172-IDS Reporting & Analysis	Global Web Implementation	INVP 3076-QAS Address Hygiene	INVP 3210 - Infographics Conversion INVP2135-Out Choice Final Tracking	IN 2522 VIT. REPLACEMENT US	IN2960B CRM SAAS IMPLEMEN	INVP 3310 US HR Applicant Track Sys	BUSINESS CHANGE & COMM-DESIGN CAPEX	USFP - Business Engagement-DD	USFP - Business Engagement-DD BUSINESS CHANGE & COMM-DESIGN CAPITY	USFP - Business Readiness-DD	USFP-PMO - R1	USFP-Process & Design -R.1	USFP - Solution Architecture-DD	USFP - PMO-DD	USFP-Business Engagement-R1	HR STREAM - DESIGN CAPEX	USFP - Testing-DD	USFP Test Net Strat	USFP TestOps	USFP-Curover-K1 USFP-Renorting & Info-R1	US Pre-BLUEPRINT STRATEGY PLAN	USFP-Hardware & Software-R1	USFP Test Finance USFP - Process & Desim-DD	S'CHAIN STR EAM - DESIGN CAPEX	US FOUNDATION PRGM ARCHIDECOM	USFP-Solution Architecture-R1	PROCESS CONTROL - DESIGN CAPEX	INFORMATION MGMT - DESIGN CAPEX	PROCESS & DATA - DESIGN CAPEX USFP-Build & Unit Test -R.1	USFP-Business Readiness -R1	USFP-Data Strategy - R1	USFP Test SS USFP-Testing-R1	USFP-Tech Delivery - R1	
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							Amontinution	4/1/2018	3/31/2019		Somice Co	NIMOG			
INVP#	Work Order	NMPC	BillPool	FY19 Total Spend		Service Date		4/1/2018 Balance	3/31/2019 Balance	Balance	Return	Allocation	NIMO G Rent-Return	NIMO G Rent - Depn	E.
2997	90000120197	YES	9819	s	s.	7/1/2014		\$280,231	\$194,006	\$237,119	8.0710%	\$000		8	,
3374	90000120127	YES	G198	s s		7/1/2014		\$143,829	\$99,574	\$121,701	8.07.10%	0.00%		8 1	
887	90000104061	YES	0770	n sn		3/1/2014	2 %	\$107,555	\$70,679	\$89,117	8.07.10%	7.38%	s 40I	n so	721
12.42	90000104177	YES	8619	s		3/1/2014		\$1,562	\$1,027	\$1,295	8.0710%	0.00%			
1182B	90000124368	ON.	G227	s		3/1/2014		\$170,993	\$112,367	\$141,680	8.07.10%	0.00%		8	
N/A 1182B	90000104968	9 9	G272	s s		3/1/2014	25 25	\$106,273	\$69,837	\$88,055	8.0710%	%000		~ ~	
N/A	98596000006	YES	G012			3/1/2014		\$47,650	\$31,313	\$39,482	8.07.10%	4.58%	s 110		748
2981	90000117533	YES	G012	s		3/1/2014		\$104,330	\$68,560	\$86,445	8.0710%	4.58%	\$ 242		638
3393 N/A	90000122634	YES	5901	v v		2/1/2014	28 8	\$40,936	\$26,488	\$33,712	8.0710%	2.55%	S 8	× ×	368
3294	90000117978	YES	G012	, %		2/1/2014	. 26	\$392,299	\$253,840	\$323,069	8.07.10%	4.58%	s 906	o'	341
STD01	90000104104	YES	8619	S		2/1/2014	84	\$353,721	\$228,878	\$291,299	8.0710%	0.00%		S	
NEW02	90000104149	YES	8615	· ·		2/1/2014	5 % 7 7 8	85,158	\$2,044	\$2,601	8.07.10%	458%	2833	9	. 898
N/A	90000104150	YES	G198	, ,		2/1/2014	. 25	\$8,324	\$5,386	\$6,855	8.07.10%	0.00%			900
3195	90000113828	YES	G160	s		12/1/2013	84	\$239,076	\$149,422	\$194,249	8.0710%	7.15%	\$ 851	, 6	410
2630	90000107276	YES	0012			11/1/2013	84	\$377,759	\$231,530	\$304,644	8.0710%	4.58%	\$ 857	o :	697
32.52A 1643C	90000116900	YES	G179	n sn		11/1/2013	8 8 4 7	\$223,650	\$137,076	\$180,363	8.07.10%	9.55%	5 1,00.5	8. 1. 8.	8,268
3307	90000119141	YES	G012	s		11/1/2013	84	\$246,776	\$151,250	\$199,013	8.0710%	4.58%	\$ 560	. 4.	375
1549	90000107743	YES	0012	s	,099,783	11/1/2013	25.	\$405,872	\$248,760	\$327,316	8.0710%	458%	\$ 921		961
1356A	90000100058	YES	6179	o o	588.353	11/1/2013	× ×	\$2,482,448	\$1,521,501	\$2,001,975	8.07.10%	458%	s 11,740 s 492	3,1	8.50
NEW03	90000003776	YES	8619	. %		11/1/2013	. 2	\$76,847	\$47,100	\$61,973	8.07.10%	0.00%			
1389	90000104257	YES	G012	s		11/1/2013	84	\$98,755	\$60,527	\$79,641	8.0710%	4.58%	\$ 224	, s	1,751
28.52	9000011282/	YES	9815	, ,		11/1/2013	8 84	\$219,723	\$13,379	\$96,551	8.07.10%	000%			
N/A	90000095326	YES	G012	s 4		11/1/2013	84	\$1,580,033	\$968,407	\$1,274,220	8.07.10%	458%	\$ 3,584	28,	28,012
30.76	90000109487	YES	G012	s		11/1/2013	84	\$99,746	\$61,135	\$80,440	8.0710%	4.58%	\$ 226	. S	768
32.10	90000116474	9 §	6530			11/1/2013	35 G	\$489,810	\$300,206	8395,008	8.07.10%	0.00%			
2522	90000113003	YES	HT71			11/1/2013	* *	\$239,220	\$140,490	\$192,915	8.07.10%	428%	s 220	e vi	704
2960B	90000119937	YES	G175	s		10/1/2013		\$398,972	\$239,383	\$319,177	8.0710%	5.73%	\$ 1,125	i oʻ	9,144
33.10	90000118115	YES	G012	s		10/1/2013		\$116,648	866,698	\$93,319	8.0710%	4.58%	\$ 263		137
USEP	90000104654	YES	2 20 20	s s		4/1/2013	120	8 8	00 00	8 8	8.0710%	4.58%	3,856	v v	
USFP	90000104655	YES	0012	. 8		4/1/2013	120	8 8	80 80	8 8	8.07.10%	458%	3325	2 00	
USFP	90000104655	YES	G012	2		11/1/2012	120	\$1,006,125	\$786,607	8896,366	8.07.10%	4.58%	\$ 2,490	S 10,	0.54
USFP	90000097843	YES	G012	s		11/1/2012	120	\$130,457	\$101,994	\$116,225	8.0710%	458%	\$ 323		304
USEP	90000104654	YES	0015	8 9		11/1/2012	120	\$1,166,754	\$912,190	\$1,039,472	8.0710%	458%	5 2,888		689
USFP	90000107540	YES	0012			11/1/2012	120	\$3,467,163	\$2,710,691	\$3,088,927	8.0710%	458%	\$ 8,582		979
USFP	90000104657	YES	G012	\$ 2		11/1/2012	120	\$1,269,876	\$992,813	\$1,131,345	8.0710%	4.58%	\$ 3,143		069
USFP	90000104656	YES	G012	2 .		11/1/2012	120	\$1,333,049	\$1,042,202	\$1,187,625	8.0710%	458%	\$ 3,300	13,	321
USFP	90000104645	YES	00 00	N N		11/1/2012	120	\$2,182,451	\$1,706,280	SI,944,366 S63.116	8.07.10%	458%	s 5,402 S 175	21.	808
USFP	90000097841	YES	G012	s		11/1/2012	120	\$378,676	\$296,056	\$337,366	8.0710%	4.58%	\$ 937	, s	784
USFP	90000104651	YES	0012			11/1/2012	120	\$783,196	\$612,317	\$697,757	8.07.10%	4.58%	\$ 1,939	, , ,	826
USFP	90000117362	YES	0012			11/1/2012	120	\$598,332	\$15,010	\$533,060	8.0710%	458%	s 238		6.00
USFP	90000117358	YES	G012	\$		11/1/2012	120	\$1,998,167	\$1,562,204	\$1,780,185	8.0710%	4.58%	\$ 4,946	s 19,	296
USFP	90000107547	YES	0012	8 9	728,737	11/1/2012	120	\$1,250,671	5977,797	\$1,114,234	8.0710%	458%	3,096	5 12	498
USFP	90000094157	YES	0012		530,003	11/1/2012	130	\$2,992,918	\$2,339,918	\$2,666,418	8.07.10%	458%	5 7,408	29.2	206
USFP	90000107551	YES	G012	\$ 23	,426,143	11/1/2012	120	\$10,736,982	\$8,394,368	\$9,565,675	8.0710%	4.58%	\$ 26,576		292
USFP	90000117364	YES	0012	8 5	910,865	11/1/2012	120	\$1,792,480	\$1,401,393	\$1,596,936	8.07.10%	458%	\$ 4,437	3 17,	912
USFP	90000097846	YES	0012		038,127	11/1/2012	120	\$475,808	\$371,995	\$423,902	8.07.10%	458%	5 13,612		7.55
USFP	90000121728	YES	O012	s	242,446	11/1/2012	120	\$569,454	\$445,210	\$507,332	8.0710%	4.58%	s 1,410	s'	2,690
USFP	90000107550	YES	0012	2 0	536,861	11/1/2012	120	\$1,162,728	\$909,042	\$1,035,885	8.0710%	4.58%	\$ 2,878	ii :	619
USFP	90000097847	YES	00 00		138,806	11/1/2012	120	\$63,620	\$49,739	\$56,679	8.07.10%	458%	s 2,8/2 S 157		989
USFP	90000007845	YES	G012	s	346,941	11/1/2012	120	\$159,014	\$124,320	\$141,667	8.0710%	4.58%	\$ 394	.1.	289
USFP	90000097844	YES	G012	s	271,405	11/1/2012	120	\$124,394	\$97,254	\$110,824	8.0710%	458%	308		243
ISE	90000107548	YES	2 2 2	e .	020 438	11/1/2012	20 20	\$12,267,6556	8723 990	\$10,929,566	8.07.10%	458%	5 30,360	22,0	287
USFP	90000107543	YES	G012	S	,738,324	11/1/2012	120	\$3,546,732	\$2,772,899	\$3,159,816	8.0710%	458%	8,779	35.	442
USFP	90000117367	YES	G012	S .	,113,703	11/1/2012	120	\$21,135,447	\$16,524,077	\$18,829,762	8.0710%	4.58%	\$ 52,314	211,	201
USFP	90000107542	YES	00 00	s s	595,067	11/1/2012	120	\$28,126,489	\$21,989,800	\$25,058,145	8.07.10%	458%	s 69,618 S 5213	28.12	045
USFP	90000104650	YES	G012	\$ 2	503,961	11/1/2012	120	\$1,147,649	\$897,253	\$1,022,451	8.0710%	4.58%	\$ 2,841	s	468
USEP	90000097840	YES	0012	s s	906,402	11/1/2012	120	\$415,434	\$324,794	\$370,114	8.07.10%	4.58%	5 1,028	4,	4,151
COLL	9 Ulrumus 10.39	100	2007	,	976,981	2102/1/1	170	391,054	371,011	301,000	0.U/ 1U/o	4.267a		•	916

	NIMO G Rent-Return	1,635 \$	3,056 5	8,000	3.55	S = 2	134 \$	361 \$	8 108'9		6,871 \$			\$	423 \$		× 881							202 \$				\$	116 \$				. 5	. 23	188 \$	265 \$		8					95 1							. 02	20 \$				0 21				168 S	14 S			411 \$	3,172 \$
5210G NIMO G	Allocation	458% \$	458% 5																																																													458% \$
8.07.10% ervice Co	Return	8.07.10%	8.0710%	8.07.10%	8 07 10%	8.0710%	8.0710%	8.0710%	8.07.10%	8.07.10%	8.0710%	8.0710%	8.0710%	8.0710%	8.07.10%	8.07.10%	8.07.10%	8 07 10%	8.0710%	8.0710%	8.07.10%	8.07.10%	8.0710%	8.0710%	8.0710%	8.07.10%	8.0710%	8.0710%	8.0710%	8.0710%	8.0710%	8.0710%	8.07.10%	8.07.10%	8.0710%	8.0710%	8.07.10%	8.0710%	8.0710%	8.07.10%	8.0710%	8.0710%	8.0710%	8.0710%	8.0710%	8.0710%	8.07.10%	8.0710%	8.0710%	8.07.10%	8.0710%	8.07.10%	8.0710%	8.0710%	8.07.10%	8.07.10%	8.0710%	8.0710%	8.0710%	8.0710%	8.07.10%	8.0710%	8.0710%	8.0710%
									\$2,448,096																																															80						8		\$1,137,685
3/31/2019	3/31/2019 Balance	\$516,485	5965,404	065,1998	\$111.784	\$3,547	\$42,322	\$114,140	\$2,148,329	\$41.369	\$428,947	\$53,899	\$30,533	\$14,759	\$56,386	5496,985	80,22,048	\$13.565	\$103,466																																					80							\$130,	\$1,027,587
4/1/2018	4/1/2018 Balance	\$660,621	\$1,234,819	\$1,275,731	080 CF1S	\$4,537	\$54,133	\$145,993	\$2,747,863	\$124.107	\$1,286,840	\$161,697	891,599	\$50,182	\$225,545	\$1,987,939	\$500,191	894 953	\$724,259	\$164,796	894,086	\$103,909	867,590	\$59,343	\$192,603	\$150,148	\$151,187	\$44,471	\$86,249	\$18.143	\$42,969	\$136,761	\$22,395	\$18,645	\$37,786	\$53,187	80.89	8	08	8 8	8 8	8	8 8	8 8	8 8	08	8 8	8 8	88	8 8	8	8 8	8	88	8 8	8	88	8 8	08	8 8	8 8	8	\$162,666	\$1,247,784
Amortization	Period	120	120	120	120	120	120	120	84	90	84	84	8.4	84	25	× 0	# T	37	84	84	ž 3	. %	84	84	85 3	. 35	84	84	\$ 3	2 %	84	84	25 25	. %	84	8 3	8 8	84	84	29	8 2	84	4 4		84	84	9 %	. 25	26.2	2 %	84	29		84	* 8	84	35	8 %	84	84	83.97	09	84	84
	Service Date	11/1/2012	11/2012	1102012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	10.0.2012	10/1/2012	10/1/2012	10/1/2012	10/1/2012	9/1/2012	8/1/2012	8/1/2012	8/1/2012	6/1/2012	6/1/2012	3/1/2012	3/1/2012	3/1/2012	3/1/2012	3/1/2012	2/1/2012	12/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	9/1/2011	7/1/2011	7/1/2011	3/1/2011	3/1/2011	3/1/2011	3/1/2011	3/1/2011	3/1/2011	12/1/2010	12/1/2010	12/1/2010	12/1/2010	12/1/2010	10/1/2010	10/1/2010	9/1/2010	9/1/2010	971/2010	9/1/2010	9/1/2010	0102016	9/1/2010	9/1/2010	7/1/2010	6/1/2010	3/1/2010	7/1/2007	7/1/1999	5/1/2016	12/1/2016
	Fotal Spend Ir																																																							2,987,041						2,328,852	223,999	1,541,380
	Bill Pool FY19	G012 S	G012 S	2 2 2	0012	G012 S	G012 S	G012 S	C310 S	G198 S	G210 S	C310 S	C310 S	G220 S	O012 S	CZZS S	0017 CD2	6198	G198 S	G012 S	2310	G012 S	G012 S	G179 \$	O012 S	G198 S	G284 S	G198 S	G012 S	G198 S	G220 S	G198 \$	G198 S	G012 S	G750 S	G750 S	G012 S	G012 S	G012 S	G750 S	G012 S	G138 S	G272 S	G284 S	G198 S	G198 S	G220 S	G220 S	G198 S	C284 C0012 S	G012 S	G284 S	G198 S	C284 S	2007	G239 S	G284 S	G220 S	G012 S	G012 S	N237 S	G230 S	G012 S	G202 0 S
	NMPC	YES	YES	VES V	VES	YES	YES	YES	N SES	YES	YES	9	ON.	YES	YES	2	X ES	YES	YES	YES	9 S	YES	YES	YES	YES	YES	ON.	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	9 9	9 9	YES	YES	YES	YES	YES	YES	YES	9 9	YES	9 S	YES	Q.	0N 5	YES	YES	YES	2 2	9	YES	YES
	Work Order	90000007838	90000104652	90000103545	000117369	000117366	0000104653	0000007842	90000097837 1TX FFB00009	0000106247	90000106246	XFER00099	TXFER00099	000104110	0000103772	0000104112	90000104114	99100000	0000104088	90000096388	XFER00099	0000096387	90000006389	0000098664	0000095332	0000116201	0000104189	0000 1041 80	0000006376	000104179	0000104101	0000104123	90000104151	000006383	0000112170	1212171	0000104231	000104109	7587 600000	0000108449	000006375	0000000140	90000105793	0000105800	0000104122	0000104121	0000105795	0000104238	0000102451	0000104039	0000 10 40 80	0000104186	0000104193	0000104055	0000000000	1TXFER00099	90000104188	0000102450	0000096379	0000096385	TXFER00099	1TXFER00099	000150615	90000141742
	š								USFP 90																																															N/A II								
		APEX - Capital and Software	pristized Software	ipnanizu Sortware	fluer	33	Software	K - Capitalized Software	Capitalized Software Knowne 1080	Can Software-IN 2330 FTRM Ren1 Macleus-Gas Bernef. Camitalized Software	Benef	Work order #8K008002315)	*RIS (Work order #8 K008002305)			100	100 COURS OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF T		ade		k order #8K008002215)				PEX											(NMO						SAPEX							Pool 231	SEAB								Pool 233			CAPILAL			ni stration
		FINANCE STREAM - DESIGN CAPEX FINANCE STREAM - DESIGN CAPEX - Capitalized Software						X	PMO TEAM - DESIGN CAPEX PMO TEAM - DESIGN CAPEX Expression of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the	IN 2330 ETRM Renl Nucleus-Elec Bene Can Softwar-IN 2330 ETRM Renl			IN 2652 MA GAS RATE CASE: CRIS (Work order #8K008002305)	ess to Fault REC		IN1656-CUST Systems Agent desktop IN1656-CUST Systems Agent desktop	n DEL HUB	Pricine Model		Desktop (email, AD & SharePoint) Desktop (email, AD & SharePoint)		1) Lesardy (renesh) ionalization Data Center Rationalization			US-NG Global Intranet Design CAPEX US-NG Global Intranet Design CAPEX				Video Conferencing				LS Integration WCOR09 - AVLS Integration NAVP 1391	IN0823 Security Enhance Project IN0823 Security Enhance Project		a II(NIMO	Combine Meker Reading Routes Combine Meter Reading Routes IN0209-SCM-ENGAGE VENDOR IN0209-SCM-ENGAGE VENDOR	unagement		FFA(NIMO)  S.B.M. Data Wandboung Evanuation  S.B.M. Data Wandboung Evanuation		PEX	lio (BL)	rikers Lease) GIS Project (Bankers Lease) ACIS Project (Bankers Lease)			TGM (formerly Bankers Lease) TGM (formerly Bankers Lease) N13.23D, RB-Integensia Steat Plan		project 2 of 2 Gascade Phase I project 2 of 2 Bill Pool 231	FOR SYRACUSE/NB		Chgs-FFA WO for Capital Chgs-FFA Balt-Lease WMA F. Ontic Proi		1	Web initiatives FYOV - Phase I INVP 0845		OMS-Capital -Bill Pool 232 OMS-Capital -Bill Pool 232				BUS IRANS - WIKES & FIFES - CAPITAL IR BENEFITS			INVP3615AA2 IAM Ph.3 Web Administration INVP3615AA2 IAM Ph.3 Web Administration INVP 3882 LNXP Pholine Sufer CMS NYS Province Sufery CMS
	Line Investment Name	151 FINANCE STR	152 USFP - Controls & Roles-DD	153 USFF - Build & Only Test-DI	155 USEP Test Procure	156 USFP Test HR	157 USFP - Cutover-DD		159 PMOTEAM - 160 TXFFR 00099				164 TXFER 00099		166 KPIRsporting Tool					172 Desktop (email		175 Data Center Rationalization			178 US-NG Global Intranet Design		181 UHF Spectrum		183 Video Conferencing	185 INVP 1242 - DECUSOS			188 WCOR09 - AVLS Integration 189 INVP 1301				193 Combine Meke 194 IN0309-SCM-I			197 FFA (NIMO)				202 GIS Project (Bankers Lease) 203 ACIS Project (Banker's lease)			206 TGM (formerly 207 IN1242D-ISP-I		209 Cascade Phase I project 2 of 2	211 INIS8-21stC		213 WO for Capital Chgs-FFA 214 Bult Lease W MA F Ontis Pari	215 ABMS Project - Bill Pool 231			219 TXFER00099	220 OMS-Capital -Bill Pool 232		223 OneNet		225 TXFER 00099	227 1TXF ER00099	228 INVP 2927 US	229 INVP3853 NA

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Second Color	24. Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies No. 17.1 Supplies
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18   10   10   10   10   10   10   10	15.00   10.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.00   11.0
State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   State   Stat	11   11   11   11   11   11   11   1
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18.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00   1.00	1879   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000   2000
Secondaries   15   15   10   10   10   10   10   10	1577   2000   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867   1867
18.19 *** ********************************	1879   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870
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Any officed states         No. 1         Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Control States         Vis. Co	Adjust         Adjust         Adjust         Name         SQUARD         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust         Adjust
USP   Graph Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Coloration   Colo	1871   9000001358   11   11   21   21   21   21   21   2
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3340         000013790         VIS         0010 2 yr         N         00001370         VIS         0010 2 yr         N         00001370         N         00001370         N         00001370         N         0         24.9         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8         S         24.8 <t< td=""><td>  1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50  </td></t<>	1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   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1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50   1.50
288.         Control 18.0 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.2 From 18.	1587   1587   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588   1588
USP   000004228   VIS   OLD 3   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   ASA   AS	1587   900004428   Y18   G012   S   A81   T   T   T   T   T   T   T   T   T
USP   000001424   VIS   00.2 \$ 7.8457   17.015   1.0 \$ 15.466,02 \$ 55.66,049 \$ 55.464,22 \$ 62.079   4.874 \$ 1.079 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.0 \$ 1.	ISP   900004234   Yi   P.   P.   P.   P.   P.   P.   P.   P
1879   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870   1870	ISBP   900004240   Y18   G012   S 975,43   I/2015   D 55,646   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S 56,640   S
1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25   1.25	Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property   Property
277         SORDINGEN PRISE         COLOR AL SERVING PRISE         STATUTOR ALL ALL ALL ALL ALL ALL ALL ALL ALL AL	2577   0.000101827   125   126   2.00010182   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125   11/125
Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Systa   Syst	NA
NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 90001035   NA 900001035   NA 900001035   NA 900001035   NA 900001035   NA 9000010	NA 900000186 NO CZ44 5 85.95   1072014 84 56.55   85.75   82.07     NA 900000186 NO CZ44 5 85.95   1072014 84 56.55   85.75   82.07     NA 900000186 NO CZ44 5 85.95   1072014 84 56.50   85.75   82.07     NA 90000186 NO CZ45 8 86.91   1072014 84 56.95   85.75   82.07     NA 90000186 NO CZ45   86.95   1072014 84 56.95   85.75   82.07     NA 90000186 NO CZ45   86.95   1072014 84 56.95   85.75   82.07     NA 9000186 NO CZ45   86.95   1072014 84 56.95   85.75   82.07     NA 9000186 NO CZ45   86.95   1072014 84 56.95   85.75   82.07     NA 9000186 NO CZ45   86.95   1072014 84 57.31   10.27     NA 9000186 NO CZ45   86.95   1072014 84 57.31   10.27     NA 9000186 NO CZ45   86.95   1072014 84 57.31   10.27     NA 9000186 NO CZ45   86.95   1072014 84 57.31   10.27     NA 9000186 NO CZ45   86.95   1072014 84 57.34   10.27     NA 9000186 NO CZ45   86.95   1072014 84 57.34   10.27     NA 9000186 NO CZ45   86.95   1072014 84 57.34   10.27     NA 9000186 NO CZ45   86.95   1072014 84 57.34     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 9000186 NO CZ45   10.27   10.21     NA 900
NA 900010568 N	NA 900000886 NO CZ24 5 R6280   107214 84 86558 839453 832046 832076
NA	NA 90000001456 NA 0124 \$ 88.95   10/12014 \$4 \$13,788 \$19.06   28.345 \$12.06     16.03 90001045 YES 0113 \$ 18.05   10/12014 \$4 \$8.566 \$13.93 \$13.05     16.04 9000001045 YES 012 \$ 10.064 \$1/12014 \$4 \$8.566 \$13.93 \$13.95 \$13.75 \$10.064 \$1.071014 \$4 \$1.066 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.09 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.
16431   900001145   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   118   11	1643   90001017   185   18,216   10,7216   84   85,566   85,304   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106   85,2106
16.44	16.4   90,000,012   10,100,01   84   846.90   871,903   80,100,01     266   90,000,012   10,100   84   82,311   81,324   81,320     267   90,000,145   10,100   84   82,311   81,324   81,320     267   90,000,145   10,100   84   83,324   80,320   80,100     267   90,000,145   10,100   10,100   10,100   10,100     267   90,000,145   10,100   10,100   10,100   10,100     267   90,000,145   10,100   10,100   10,100   10,100     267   90,000   10,100   10,100   10,100   10,100     267   90,000   10,100   10,100   10,100     267   90,000   10,100   10,100   10,100     267   90,000   10,100   10,100   10,100     267   90,000   10,100   10,100   10,100     267   90,000   10,100   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267   90,000   10,100   10,100     267
2166 9000012571 NG C225 5 66.692 71/2014 84 522,349 517.299 517.299 621079 621079 621079 5 · 5 · 5 · 5 · 5 · 5 · 5 · 5 · 5 · 5	2566         9000104739         TAS         66/93         8/13/14         84         823.31         91.749         91.750         80210%           126         9000104739         THS         5         28/93         1/17/14         84         875.84         54/080         57.23         80210%           148         900014545         THS         GHS         5         28/93         1/17/14         84         879.24         84/080         23/8,50         82010%           16         9000109505         THS         GHS         5         3/460         1/17/94         84         879.24         84/050         23/8,50         82010%           16         9000109505         THS         GHS         5         3/460         1/17/94         84         879.24         84/050         23/8,50         82010%           16         9000109505         THS         GHS         5         3/460         1/17/94         84         879.24         84/050         23/8,40         80210%           16         90001095         THS         1/11/94         84         879.24         84/050         80210%           16         90001095         THS         1/11/94         84         879.24
21G 9000014720 VIS         13 22,893 VIS         21,003 H         81         573,84         54,005 M         57,123 R         21,03         31         3           1452 900001452 VIS         0.00         5         874,01         71,704 H         81         597,84         54,660 M         51,07         0.00         5         - 13         5         - 13         5           1642 900001452 VIS         0.01         5         3,046,60         71,704 H         81         597,824 S         52,107 S         82,107 S         3         - 14         5         2,147 S         82,107 S         3         - 14         5         - 14         5         - 14         5         - 14         5         - 14         5         - 14         5         - 14         5         - 14         5         - 14         5         - 14         5         - 14         5         - 14         5         - 14         5         - 14         - 15         - 18         - 18         - 18         - 18         - 17         - 18         - 18         - 18         - 18         - 18         - 18         - 18         - 18         - 18         - 18         - 18         - 18         - 18         - 18         - 18         - 18	120,   9000104529 P.ES   028.92   71/2014   84   731.544   848.800   877.23   802104,     148   900010452 P.ES   018.6   13.6440   71/2014   84   5289.92   516.690   5218.65   802104,     148   900010452 P.ES   018.6   13.6440   71/2014   84   5289.92   536.402   5318.65   802104,     149   900010452 P.ES   018.6   13.6440   71/2014   84   5289.92   536.402   538.02     149   900010452 P.ES   018.6   71/2014   84   5289.92   536.402   538.02     149   900010452 P.ES   018.6   71/2014   84   5289.92   536.402   538.02     149   900010452 P.ES   018.6   71/2014   84   5289.92   536.402   538.02     149   900010452 P.ES   018.6   71/2014   84   538.92   536.402   538.02     149   900010452 P.ES   018.6   71/2014   84   538.92   536.402   538.02     149   900010452 P.ES   018.6   71/2014   84   538.92   536.402   538.02     149   900010452 P.ES   018.6   71/2014   84   538.92   536.402   538.02     149   900010452 P.ES   018.6   71/2014   84   538.92   536.402   536.402   536.402     149   900010452 P.ES   018.6   71/2014   84   538.92   536.402   536.402   536.402     149   900010452 P.ES   018.6   71/2014   84   538.92   736.402   736.402   736.402     149   900010452 P.ES   018.6   71/2014   84   71/2014   84   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.402   736.
HS 90001458 YES GT66 5 F74,03 71,2014 84 S280,92 516,600 S218,50 821,09, 0,00% S · S 62 900000952 YES GT6 5 3,946,00 71,2014 84 S97,324 54,457 S14,50 80210, 0,00% S · S 2,907 900001459 YES GT66 5 18,38 71/2014 84 S44,57 S24,697 S44,50 80210, 0,00% S · S 2,907 900001459 YES GT66 5 18,38 71/2014 84 S44,57 S24,697 S44,50 80210, 0,00% S · S 2,907 900001459 YES GT66 5 18,38 71/2014 84 S44,57 S24,697 S44,50 80210, 0,00% S · S 2,907 900001459 YES GT66 5 18,38 71/2014 84 S44,57 S24,697 S44,50 80210, 0,00% S · S 2,907 900001459 YES GT66 5 18,38 71/2014 84 S44,57 S24,697 S44,50 80210, 0,00% S · S 2,907 900001459 YES GT66 5 18,38 71/2014 84 S44,57 S24,697 S44,50 80210, 0,00% S · S 2,907 900001459 YES GT66 5 18,38 81 71/2014 84 S44,57 S24,697 S44,50 80210, 0,00% S · S 2,907 900001459 YES GT66 5 18,38 81 71/2014 84 S44,57 S24,697 S44,50 80210, 0,00% S · S 2,907 900001459 YES GT66 5 18,38 81 71/2014 84 S44,57 S24,697 S44,50 80210, 0,00% S · S 2,907 900001459 YES GT66 5 18,38 81 71/2014 84 S44,57 S24,697 S44,50 80210, 0,00% S · S · S 2,907 900001459 YES GT66 5 18,38 81 71/2014 84 S44,57 S24,697 S44,50 80210, 0,00% S · S · S · S · S · S · S · S · S · S	H4S 900013458 YES G186 5 874,03 71/2014 84 \$280,942 \$156,090 \$23,8,26 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,2109, 80,21
1642   1844   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,48   185,4	April
2997B 9000134297 YES G186 \$ 138,248 71/2014 84 \$44,67 \$23,487 \$43,62 \$0.210%, 0.00%, \$ - \$	2007R 0000012-09 VS G18K & 132-248 C44.77 S44.67 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-145.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15.47 8-15
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No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2   No. 17.2	Line Investment Name 76 INVP 2907 Famord Value Morra Ruto	Description INAP 2017 Farmed Value Mornt Retro., Candralized Software	# d/VII	Work Order 90000120197	NMPC	Bill Pool	FY20 Total S
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10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   1		IN N/A NE & NY EMS NERC-CIP Authentication - MW Capitalized Software	N/A	90000097856	YES	G220	s
100		Capitalized Software	887	90000104061	YES	G077	· ·
NO. M. M. M. M. M. M. M. M. M. M. M. M. M.		INVP 1182B Gas Transportation System Meter Route Consol	11828	90000124368	S Q	G227	
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18 Pr. Subana Administración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industración         18 Pr. Industrac		Capitalized Software-USFP-Process & Design -R1	USFP	90000107540	YES	G012	s
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18PF Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Foreign DI         City Forei		HR STREAM - DESKGN CAPEX - Capitalized Software	USFP	90000097841	YES	G012	s
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URFP Posters A Deeple Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control C		US Pre-BLUEPRINTSTRATEGY PLAN - Capitalized Software	USFP	90000094157	YES	G012	s o
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USPT Central Software Submitted Software USPT Central Software USPT Central Software USPT Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Central Centr		Capitalized Software- USFP-Data Stategy - R.1	USEP	90000107543	YES	G012	2 %
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SOLUTION DEL. DESIGN CAPEX SOLUTION DEL. DESIGN CAPEX - Capitalizzed Software		USFP - Reporting & Info-DD - Capitalized Software	USEP	90000104650	YES	G012	2 00
		SOLUTION DEL - DESIGN CAPEX - Capitalized Software	USFP	90000002840	000		,

								4/1/2019	3/31/2020		80210%	5210G			
	10010	10.4-10	SHARE	7	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	9.0	Amortization	Act cho to the least	2/21 O000 D-1		Service Co	NIMO G	a Copula	d o o o o o	ļ
pitalized Software	2997	90000120197	YES	6186	\$ 603,575	7/1/2014	28	\$194,006	\$107,781		8.0210%	0.00%	97	S S	ul.
Capitalized Software	3374	90000120127	YES	G198	\$ 309,785	7/1/2014	Z :	\$99,574	\$55,319	\$77,446	8.0210%	0.00%		s o	į
entication - MW Capitalized Software	× × ×	90000097856	YES	6220	S 64,286	3/1/2014	z z	\$17,602	58,418	\$13,010	8.0210%	7.38%	276	v v	2.721
arc	12.42	90000104177	YES	G198	\$ 3,750	3/1/2014	Z	\$1,027	\$491	\$759	8.0210%	0.00%		s	
Meter Route Consol	1182B	90000124368	99	6227	\$ 410,384	3/1/2014	Z 3	\$112,367	\$53,741	\$83,054	8.0210%	0.00%		s s	
NS SYS PHASE 2	11828	90000124375	9	N237	\$ 1,675,640	3/1/2014	s z	\$458,806	\$219,429	\$339,118	8.021.0%	0.00%		, 0	
	N/A	90000006386	YES	G012	\$ 114,360	3/1/2014	3 3	\$31,313	\$14,976	\$23,144	8.0210%	4.58%	99	s c	748
of rware dis Capital ized Software	3393	90000122634	YES	7007	\$ 250,393	2/1/2014	zz	308,300 \$26,488	\$12,040	\$19,264	8.0210%	2.55%		0 00	368
	Ϋ́Х	90000104057	YES	G160	\$ 26,246	2/1/2014	æ	\$6,874	\$3,125	\$4,999	8.0210%	7.15%	\$		268
Schimmer	3294	90000117978	YES	G012	\$ 969,208	2/1/2014	Z 3	\$253,840	\$115,382	\$184,611	8.0210%	4.58%	\$ 525	s •	6,341
AD SO IMATIC	NEW02	90000104149	YES	861D	5 0.13,693		E E	\$2,044	\$929	\$1,486	8.0210%	0.00%			
	3103	90000106874	YES	G012	\$ 3,036,545	2/1/2014	æ	\$795,286	\$361,493	\$578,390	8.0210%	4.58%	\$ 1,657	s	898'6
and whit can	N/A	90000104150	YES	8619	\$ 20,566		3 3	\$5,386	\$2,448	\$3,917	8.0210%	0.00%		s s	- 2
Maucel	2630	90000113828	YES	G012	\$ 1.023.605		E ZE	\$231.530	\$85,300	\$158.415	80210%	4.58%	S .		0,410
	3232A	90000116954	YES	G179	\$ 953,115		æ	\$2.15,585	\$79,426	\$147,506	8.0210%	9.55%	\$ 895	~	3,003
	1643C	90000116900	YES	6119	\$ 606,020		Z 3	\$137,076	\$50,502	\$93,789	8.0210%	9.55%		s s	8,268
	1549	90000107743	YES	G012	5 1.099.783		i z	\$248.760	\$91.649	\$170.205	80210%	4.58%	s 495		7.196
Markets	1356A	90000100058	YES	G179	\$ 6,726,634	11/1/2013	ž	\$1,521,501	\$560,553	\$1,041,027	8.0210%	9.55%	\$ 6,317	~	1,77,1
	27.32	90000104631	YES	G012	\$ 588,353		z	\$133,080	\$49,029	\$91,055	8.0210%	4.58%	\$ 265	s	3,850
	NEW03	90000093776	YES	6013	\$ 208,231		æ a	\$47,100	\$17,353	\$32,226	8.0210%	0.00%		· ·	1 75.1
	2832	90000112827	YES	G186	\$ 324,412	11/1/2013	s z	\$73,379	\$27,034	\$50,207	8.021.0%	0.00%			10/61
	21.72	90000106487	YES	G 198	\$ 710,520		æ	\$160,713	\$59,210	\$109,961	8.0210%	0.00%	s		
	N/N	90000095326	YES	G012	\$ 4,281,380	11/1/2013	æ 3	\$968,407	\$356,782	\$662,595	8.0210%	4.58%	5 1,928		8,012
	32.0	90000116474	9 9	G259	s 2.10,219 S 1,327,228		ŧΞ	\$300,206	\$110,602	\$205,404	8.0210%	0.00%			001,1
	2135	90000113005	YES	G012	\$ 621,113		æ	\$140,490	851,759	\$96,125	8.0210%	4.58%	\$ 280		4,064
a.	2522	90000104630	YES	HT71	\$ 648,194	11/1/2013	Z :	\$146,615	\$54,016	\$100,316	8.0210%	6.16%	\$ 303		5,704
995	3310	90000118115	YES	G012	s 1,117,121 s 326,615		z z	\$259,583	\$79,794	\$159,389	8.0210%	5.75%	s s		9,144
	USFP	90000104654	YES	G012	\$ (2,545,646)		130	8	80	80	8.0210%	4.58%	5 3,832		
	USFP	900000097843	YES	G012	\$ (284,633)		120	8	80	80	8.0210%	4.58%	\$ 425		į
	USEP	90000104655	YES	G012	\$ (2,195,181)		8 8	80 80	800 290	08	8.0210%	4.58%	3,305		- 0
	USFP	90000097843	YES	G012	\$ 284,633		130	\$101,994	\$73,530	\$87,762	8.0210%	4.58%	S 245		1,304
	USFP	90000104654	YES	G012	\$ 2,545,646	11/1/2012	120	\$912,190	\$657,625	\$784,907	8.0210%	4.58%	\$ 2,190		1,659
Co. min	USFP INFP	90000107539	YES	G012	s 13,294,040		8 8	\$4,763,697	\$3,434,294	\$4,098,996	8.0210%	4.58%	58,11		0,887
lixed Software	USFP	90000104657	YES	G012	\$ 2,770,640		130	\$992,813	\$715,749	\$854,281	8.0210%	4.58%	\$ 2,384		2,690
lized Software	USFP	90000104656	YES	G012	\$ 2,908,470	11/1/2012	130	\$1,042,202	\$751,355	8896,778	8.0210%	4.58%	\$ 2,502		3,321
G. Internet	USFP	90000104645	YES	6012	\$ 4,761,712		8 8	\$1,706,280	\$1,230,109	\$1,468,194	8.0210%	4.58%	5 4,097		1,809
alized Software	USFP	90000097841	YES	G012	\$ 826,202	11/1/2012	120	\$296,056	\$213,436	\$254,746	8.0210%	4.58%	S		3,784
007	USFP	90000104651	YES	G012	\$ 1,708,792		07	\$612,317	\$441,438	\$526,877	8.0210%	4.58%	S 1,470		7,826
0 -	ISP I	90000104648	YES	2012	S 209,496 S 1305,452	11/1/2012	8 8	\$15,070	854,120	\$64,595	8.0210%	4.58%	5 180		929
	USFP	90000117358	YES	G012	\$ 4,359,638		120	\$1,562,204	\$1,126,240	\$1,344,222	8.0210%	4.58%	s 3,751		2966
	USFP	90000107547	YES	G012	\$ 2,728,737	11/1/2012	02 5	597,770	\$704,924	\$841,361	8.0210%	4.58%	\$ 2,346		2,498
- Canitalized Software	USFP	90000094157	YES	G012	\$ 6,530,003		8 8	\$2,339,918	\$1,686,917	\$2,013,418	8.0210%	4.58%	\$ 5,615		0,907
Software-R1	USFP	90000107551	YES	G012	\$ 23,426,143		120	\$8,394,368	\$6,051,754	\$7,223,061	8.0210%	4.58%	\$ 20,157		7,292
of Coffeenes	USEP	90000117364	YES	G012	\$ 3,910,865		8 2	\$1,401,393	\$1,010,307	\$1,205,850	8.0210%	4.58%	3,365		7,912
ou sortware Canitalized Software	USFP	90000104646	YES	G012	s 1,903,017		8 8	\$371.995	\$268.183	\$320.089	80210%	4.58%	250,c1 &		4.755
PR GM ARCH/DECOM	USFP	90000121728	YES	G012	\$ 1,242,446		120	\$445,210	\$320,965	\$383,087	8.0210%	4.58%	\$ 1,065		5,690
hivecture-R1	USFP	90000107550	YES	G012	\$ 2,536,861		02 5	\$909,042	\$655,356	\$782,199	8.0210%	4.58%	\$ 2,183		1,619
ottware XCapitalized Software	USFP	90000104649	YES	G012	s 2,531,924 S 138.806		8 8	\$40,739	\$35,858	\$42,799	8.0210%	4.58%	s s		636
EX - Capitalized Software	USFP	90000097845	YES	G012	\$ 346,941		120	\$124,320	\$89,626	\$106,973	8.0210%	4.58%	\$ 295		1,589
- Capitalized Software	USFP	90000097844	YES	G012	\$ 271,405		00 :	897,254	\$70,113	\$83,683	8.0210%	4.58%	\$ 234		1,243
181 181 181 181 181 181 181 181 181 181	TISE	90000107548	YES	2005	s 20,003,094		8 8	8723 990	\$6,914,497	\$6,224,787	8.0210%	4.58%	s 25,000 8 1735		2,387
y-R1	USFP	90000107543	YES	G012	\$ 7,738,324	11/1/2012	130	\$2,772,899	\$1,999,067	\$2,385,983	8.0210%	4.58%	\$ 6,658		5,442
	USFP	90000117367	YES	G012	\$ 46,113,703		02 5	\$16,524,077	\$11,912,707	\$14,218,392	8.0210%	4.58%	39,67		1,201
y-R1	USFP	90000107542	YES	G012	\$ 4,595,067		N 021	\$1,646,566	\$11,85,655,112	\$18,921,456	8.0210%	4.58%	s 3,954 S		21,045
d Software	USFP	90000104650	YES	G012	\$ 2,503,961		120	\$897,253	\$646,857	\$772,055	8.0210%	4.58%	\$ 2,154		1,468
pitalized Software	USFP	90000097840	YES	G012	\$ 906,402	11/1/2012	021	\$324,794	\$234,154	\$279,474	8.0210%	4.58%	S 78C	8 1	4,151
-apitalized Software	USH	90000097839	YES	7105	5 199,920		ΝŢ	3/1,041	351,040	C#0,10%	8.0210%	4.38%	2.1	,	916

For the Data Year ended March 31, 2020										4/1/2019	3/31/2020		80210%	5210G	
	Description	INVP # WG	Work Order	NMPC	Bill Pool	FY20 Total Spend	-		3			Average Balance	Return	Allocation	NIMC
151 FINANCE STREAM - DESIGN CAPEX	FINANCE STREAM - DESKIN CAPEX - Capitalized Software		900000097838	YES	G012	\$ 1,441,		11/1/2012	120	\$516,485	\$372,350	\$444,418	8.0210%	4.58%	s
152 USFP - Controls & Roles-DD	USFP - Corroto & Roles (20) - Captain and Advance		90000104652	YES	G012	5 2,694,			8 18	5965,404	5695,989	\$830,697	80210%	4.58%	s o
	Cantialized Software - 1879-Control & Robes - Ro	LISEP	90000107546	YES	G012	\$ 7773			18	\$2.785.520	\$2 008 165	\$2.306.843	80210%	4 58%	
	USFP Test Procure Capitalized Software		90000117369	YES	G012	\$ 311,			120	\$111,784	880,589	\$96,187	8.0210%	4.58%	s
	USFP Test HR. Capitalized Software	USFP	90000117366	YES	G012	s 9,			120	\$3,547	\$2,557	\$3,052	8.0210%	4.58%	s
	USFP - Cutover-DD - Capitalized Software	USFP	90000104653	YES	G012	\$ 118,			120	\$42,322	\$30,511	\$36,417	8.0210%	4.58%	s
158 DESIGN AUTH- DESIGN CAPEX	DISIGNALTH DESIGN CAPEX - Capitalized Software		90000097842	YES	G012	5 318,			120	\$114,140	\$82,287	598,214	8.0210%	4.58%	s o
	FINE URAN LATERA A LIGHT CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF		TVE EPOODS	S GN	2007	2,000,0			120	\$2,146,329	31,746,190	31,046,302	8.021078	0.00%	
	Can Software U. 2330 EFRM. Real Madeus-Gass Benefit Camitalized Software	2330	90000106247	YES	G198	\$ 579.				\$41.369	80	\$20.684	80210%	0.00%	. «
	IN 2330 ETRM Rep1 Nucleus-Gss Bencf		90000106246	YES	G210	\$ 6,005,			28	\$428,947	80	\$214,473	8.0210%	12.44%	s
		2992	1TXF ER00099	ON.	C310	\$ 754,			84	853,899	80	\$26,950	8.0210%	0.00%	s
	IN 2652 MA GAS RATE CAS E: CRIS (Work outer #8 K008002305)		TXF ER00099	9	C310	\$ 427,			25	\$30,533	80	\$15,266	8.0210%	0.00%	s
	Capitalized Software		90000104110	YES	G220	\$ 247,			Z :	\$14,759	80	82,380	8.0210%	0.00%	s :
	KPI Kepting Tool		90000103772	YES	G012	5 1,184,			25 3	\$56,386	20	\$28,193	8.0210%	4.58%	s o
167 IN1650-CUST. Systems Agent desktop	IN TOO PLOT A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STAT		90000104112	2 5	6225	5 IU,456,			z 3	5496,985	20	5248,492	8.0210%	0.00%	, ,
	IN 11 169 CA SETT AND ENDER THE SET OF ALL WHICH STITE		90000104114	S S	7007	3 320,			\$ 3	302,046	90	\$12,324	8.021078	4.2878	
	Captalised Software		99166000006	YES	G198	\$ 569.			. 2	\$13,565	80	\$6.782	8.0210%	0.00%	
	Small world GIS/PowerOn 4.0 upgrade		90000104088	YES	G198	\$ 4,345,			28	\$103,466	80	\$51,733	8.0210%	0.00%	s
172 Desktop (email, AD & SharePoint)			90000006388	YES	G012	\$ 1,258,			84	8	80	80	8.0210%	4.58%	s
	IN1259B Contact Ctr Consol (work order #8K008002213)		TXF ER00099	9	C310	\$ 718,			22	8	80	80	8.0210%	0.00%	s
174 Desktop (refresh)	Dosktop (refiesh)		90000006380	YES	G012	\$ 950.			28	8	80	80	8.0210%	4.58%	s
	Data Center Rationalization	V :	90000096387	YES	G012	393,			Z :	8 8	80	80	8.0210%	4.58%	s o
170 CDH Acct initiation	CULTACON CELEBRATION INTOCOM CELEBRATION		90000000000	YES	2100	5 510,			ž 3	8 8	000	000	8.0210%	4.38%	
	INVOCATION INTERNAL INTERNAL PROPERTY		9000009333	VES	6013	5 1617			: 3	8 8	08	8 9	8.0210%	4 58%	, ,
	Cascale Phase II project 2 of 2	V.X	90000116202	YES	G220	\$ 1.051.			. 2	8	80	20	8.0210%	0.00%	
	Cascade Phase II project 1 of 2		90000116201	YES	G198	\$ 1,576,			25	8	80	80	8.0210%	0.00%	s
181 UHF Spectrum Purchase Project	UHF Spectrum Purchuse Project		90000104189	ON.	G284	\$ 2,116,			22	8	80	80	8.0210%	0.00%	s
	INVP 1242TB - KPI Metrics		90000104180	YES	G198	\$ 622,			84	8	80	80	8.0210%	0.00%	s
	Vidox Conferencing		90000006376	YES	G012	\$ 1,207,			28	8	80	80	8.0210%	4.58%	s
	JRCRD011-Wholesak Re-Des		90000104116	YES	G 198	\$ 436.			35 :	8	80	20	8.0210%	0.00%	· ·
185 INVP 1242 - DECUSOS	INVESTAL - DECUSOS	1242	90000104179	YES	8615	5 253,			Z 3	8 8	20	0.0	8.0210%	0.00%	'n
	DECTISOR After Dec		90000104101	VES	2000	5 1914.			£ 3	8 8	08	30	8.021008	0.00%	
188 WCOR09 - AVI S Internation	WCOR(0 - AV) S Integration	WCOR 09	90000104151	YES	6198	313				8 8	S S	8 8	80210%	0.00%	
	NVP 1391		90000104068	YES	G077	\$ 523.			2	8	80	80	80210%	7.38%	
	DA0823 Security Enhance Project		90000006383	YES	G012	\$ 313.			25	8	80	80	8.0210%	4.58%	~
	NY NEIVR Replacement (NIMO)		90000112170	YES	G750	\$ 1,058,			25	8	80	80	8.021.0%	17.00%	s
	NE_NY IVR Replacement-Phase II(NIMO		90000112171	YES	G750	\$ 1,489,			84	8	80	80	8.0210%	17.00%	s
	Combine Meter Reading Routes		90000104231	9	G285	\$ 364,			25	8	80	80	8.0210%	0.00%	s
	IN0309-SCM-ENGAGE VENDOR		90000104115	YES	G012	\$ 312,			2 :	8	80	20	8.0210%	4.58%	s
	INVP NA-Labert Management		90000104109	YES	2012	208,			Z 3	8 8	20	0.0	8.0210%	4.38%	'n
190 LIM/ZEMA Project	THAIL SHAN PROJECT THE ANNIMAL		90000097837	YES	2002	3 402,			18	8 8	08 9	0.00	80210%	4.38%	
	FPA (MANA)  SEM Data Nova		90000108449	VES	0000	9 081			6 3	8 8	08	20	8.0210%	4 58%	
	Plan & Perf for Exce & US Dir		90000096375	YES	G012	5 294			5 25	8	20 20	80	8.021.0%	4.58%	
	INVP 2391-4mplement UI Planner-CAPEX		90000096140	YES	G138	\$ 1,686,			25	8	80	80	8.0210%	4.73%	s
201 Control Center Dispatch Radio (BL)	Control Center Dispatch Radio (BL)	N/A	90000105793	9	G272	\$ 13,		12/1/2010	4	8	80	80	8.0210%	0.00%	s
	GIS Project (Bankers Lease)		90000105800	9	G284	\$ 44,			9	8	80	80	8.0210%	0.00%	s
	ACIS Project (Bankar's lease)		90000106051	9	G259	\$ 154,			9 ;	8	80	20	8.0210%	0.00%	s o
204 ISPUI-Integrated Strat Plan 205 SU/OB TO 4 Deixe D6 December	INTO I INDIGATED STATE IT AND INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT INTO IT		90000104122	YES	8615	5 1,105,			2 3	8 8	0.00	0.00	8.0210%	0.00%	, ,
	TON CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT CONTRACT		90000105795	YES	6220	\$ 12			5 0	8 8	80	9 9	80210%	0.00%	
	Capitalized Software		90000096320	YES	8619	\$ 360,			28	8	80	80	8.0210%	0.00%	s
	AIMMS Project - Bill Pool 233		90000104238	YES	G220	\$ 47,			28	8	80	80	8.0210%	0.00%	s
209 Cascade Phase I project 2 of 2	Cassade Project 2 of 2 Bill Pool 231		90000102451	YES	G198	. 388.			25 33	8 8	80	20	8.0210%	0.00%	s o
	INT FALSE WORK INT SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SECTION TO THE SE		90000104039	VES	G012	5 1,193,			1 2	8 8	90	0 S	80210%	4.58%	, ,
	INVP 1401		90000104080	YES	G012	\$ 527,			. 2	8	80	80	8.0210%	4.58%	
	WO for Capital Chas-FFA		90000104186	9	G284	\$ 7,411,			R	8	80	80	8.0210%	0.00%	s
	Bnk Lease W MA F Optic Proj		90000104185	9	G284	\$ 435,			84	8	80	80	8.0210%	0.00%	s
	AdMMS Project - Bill Pool 231		90000104193	YES	6198	5 231,			9 8	8 8	80	80	8.0210%	0.00%	s o
215 CIS Consolidation	U.S. CORSO (MARION)		90000104033	2 %	5000	28,900,			ž 3	8 8	000	000	8.0210%	0.00%	
	INVP REAS		90000104060	YES	5005	\$ 464			. 2	8 8	8 98	8 8	80210%	4 58%	
	GAS SCADA Upgrado Modernize		1TXF ER00099	9	G239	\$ 2,987,			25	8	80	80	8.0210%	0.00%	s
	OMS-Capital -Bill Pool 232		90000104188	ON.	G284	\$ 1,059,			35	8	80	80	8.0210%	0.00%	s
	INWA-NERC CIP Compliance		90000096381	YES	9819	\$ 1,155,			22	8	80	80	8.0210%	0.00%	s
	Cascade Phase I project 1 of 2 Bill Peol 233		90000102450	YES	G220	\$ 392,			28 3	8	80	80	8.0210%	0.00%	s
223 One Net	One Net		90000096379	YES	6012	5 4,483,		6/1/2010	25 25	88	0 00	0 0	8.0210%	4.58%	v v
	COMBAC CHARGES LAM ROCCORDING HIS TRANS. WIDER & PRIPE, CAPITAL		TXFEROOS	2 2	G222	·100			. 3	8 8	90	20	8.0210%	0.00%	
226 TXFHR00099	HR BENEFITS	V/X	1TXF ER00099	9	N237	\$ 5,405,642			83.97	8	80	80	8.0210%	0.00%	
	DATA WAREHOUSE		TXF ER00099	9	G230	\$ 2,328,			99	8	80	80	8.0210%	0.00%	s
	INVP 2927 US Desktop Refresh		90000150615	YES	G012	\$ 223,		2016	28	\$130,666	898,666	\$114,666	8.0210%	4.58%	s
	INVP3614A21AM Ph3 Web Administration		90000141742	YES	G020	\$ 1,541,		12/1/2016	2 3	\$1,027,587	\$807,389	\$917,488	8.0210%	4.58%	s
230 INVP 3882 - NYS Pipeline Safety CMS	NVS Pipel ine Safety CMS Regulatory Compliance		90000161831	YES	6207	v	191	2016	z	IS	20	20	8.0210%	19.47%	so.

									Amortization			
			Description	# dvvi	Work Order		ill Pool	FY20 Total Spend	Period	4/1/2019 Balance	3/31/2020 Balance	Average
Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   C			FINANCE STREAM - DESKIN CAPEX - Capitalizad Software	USFP	90000097838	YES	G012 S	1,441,354	120	\$516,485	\$372,350	
			USFP - Controls & Roles-DD - Capitalized Software	USFP	90000104652	YES	G012 S	2,694,151	120	\$965,404	\$695,989	
			USFP - Build & Unit Test-DD - Capitalized Software	USEP	90000104647	YES	G012 S	2,783,413	120	\$997,390	\$719,048	-
10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   10.000   1			Capitalized Software-USFP-Controls & Koles-KI	ALSO MARIA	90000107349	YES	7100	1,173,544	8 5	\$2,785,520	\$2,008,165	X
Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   C	Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   C		USET Test INCALE Capitalized Software	HSC I	90000117369	VES	2002	0.00,11.0	8 18	9111,104	300,209	
December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December   December			USFP - Cutover-DD - Canitalized Software	USEP	90000104653	YES	G012 S	118.108	18	\$42.322	\$30.511	
Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Maintained   Mai	Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   Column   C		DESIGN AUTH - DESIGN CAP EX - Caprisalized Software	USFP	90000097842	YES	G012 S	318,531	120	\$114,140	\$82,287	
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			FDC Enhancement (work order #8K008002108)	N/A	1TXF ER00099	ON.	C310 S	2,245,499	Z	\$160,393	80	
			Cap Software-IN 2330 ETRM Repl Nucleus-Gas Benef Capitalized Software	2330	90000106247	YES	G198 S	579,164	28	\$41,369	80	
Decide between the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the			IN 2330 FTRM Repl Nucleus-Gas Benef	2330	90000106246	YES	G210 S	6,005,256	Z	\$428,947	80	
	December   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Content   Con		IN 2992 MA GAS SINGLE BILL (Work order #8K008002315)	2992	1TXF ER00099	9	C310 S	754,588	25	853,899	80	
Description would be controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the controlled by the control	Description of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property of the property		IN 265 2 MA GAS RATE CASE: CRIS (Work outer #8 K008002305)	26.52	1TXF ER00099	2	C310 S	427,462	35	\$30,533	20	
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No. 1992,   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals   Control Appeals	Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Cont		Vido Conferencing	NA	90000006376	YES	G012 S	1,207,479	28	8	80	
NYMADA         CONTROLLED         NYMADA         CONTROLLED         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA         NYMADA <th< td=""><td>  10,000,000,000,000,000,000,000,000,000,</td><td></td><td>JBCRD011-Wholstak Re-Dos</td><td>N/A</td><td>90000104116</td><td>YES</td><td>G198 S</td><td>436,385</td><td>Z</td><td>08</td><td>80</td><td></td></th<>	10,000,000,000,000,000,000,000,000,000,		JBCRD011-Wholstak Re-Dos	N/A	90000104116	YES	G198 S	436,385	Z	08	80	
NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE   NOTE	Val. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color. A. V. M. Color.		INVP 1242 - DECUS05	1242	90000104179	YES	G198 S	253,998	Z	8	80	
NOTICE STATES AND AND AND AND AND AND AND AND AND AND	NORTH STATE AND AND AND AND AND AND AND AND AND AND		INVP 1224	1224	90000104101	YES	G220 S	601,562	Z :	8 #	20	
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NY NY UNION MAN NY NY NY NY NY NY NY NY NY NY NY NY NY	NY NY N		IN0823 Security Enhance Project	823	90000096383	YES	G012 S	313.244	3	8 8	20	
Mail	N. N.		NYNEIVR Renlocment/NMO)	V.X	90000112170	YES	G750 S	1,058,009	z	8	80	
Condent March Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled Balled	Comment Mater banding documents         NA. 0000010211         NA. 0000010211         NA. 000001021         NA. 000001021         NA. 000001021         NA. 000001021         NA. 000001021         NA. 000001021         NA. 000001021         NA. 000001021         NA. 00000102         NA. 00000102         NA. 00000102         NA. 00000102         NA. 00000102         NA. 00000102         NA. 00000102         NA. 00000102         NA. 00000102         NA. 00000102         NA. 00000102         NA. 00000102         NA. 00000102         NA. 00000102         NA. 00000102         NA. 00000102         NA. 00000102         NA. 00000102         NA. 00000102         NA. 00000102         NA. 000000102         NA. 000000102         NA. 000000102         NA. 000000010         NA. 000000010         NA. 000000010         NA. 000000010         NA. 000000010         NA. 000000010         NA. 0000000010         NA. 0000000010         NA. 0000000010         NA. 0000000001         NA. 000000000000000000000000000000000000		NE NY IVR Replacement Phase II(NIMO	N.N.	90000112171	YES	G750 S	1,489,236	28	8	80	
No. No. No. No. No. No. No. No. No. No.	December   Part Part Part Part Part Part Part Part		Combine Meter Reading Routes	NA	90000104231	ON.	G285 S	364,462	28	8	80	
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Line Investment Name	Description	INVP # Wo	Vork Oxder N	WPC Bi	Bill Pool F	'Y20 Total Spend In S	Service Date 1	Period 4/1/2019 1	lalance 3/31/2020 E	alance Average	Average Balance Re	drum All	Ilocation NIMC	NIMO G Rent-Return NIMO G F	NIMO GRent-Depn
231 INVP 3614G1 - US Reference Security	INVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)	3614 5	90000170693	YES	3020 \$	93,939	2/1/2016	84	\$62,626	\$49,206	855,916 8	0210% 4	4.58% \$	153 \$	615
232 INVP 3896 SMI Conversion Mobilizati	INVP 3896 SMI Conversion Mobilization (Athena)	3896	0000153520	YES	3020 \$	3,095,820	2/1/2016	84 \$2	2,063,880 \$1	621,620 \$	1,842,750 8	8.021.0% 4	1.58% \$	5,035 \$	20,256
233 INVP 4224-HANA	INVP 4224 - High Performance Analytics Appliance (HANA)	USFP	10000176043	YES	3012 \$	637,905	2/1/2016	120	\$489,061	425,270	\$457,165 8	80210% 4	.58% \$	1,244 S	2,922
234 INVP 3922 - Access Violation Mgmt	INVP 3922 - Access Violation Management	USFP	0000176039	YES	G012 S	2,749,134	2/1/2016	120 \$2	S	1,832,756 \$	1,970,213 8	80210% 4	.58% \$	5,363 \$	12,591
235 Finance Remediation FY 16 Capital	Finance Remediation FY16 Capital	USFP	0000172054	YES (	3012 \$	1,858,401	12/1/2016	120 \$1	S	1,238,934 \$	1,331,854 8	8.0210% 4	.58% \$	3,625 \$	8,511
236 INVP 3614C1 - US End User Initiated	INVP 3614C1 - US End User Initiated Secure File, Email Trans for (Full) (Other Security)	3614 5	10000170691	YES	3020 \$	68,180	12/1/2016	84	\$45,453	\$35,713	\$40,583 8	8.021.0% 4	.58% \$	111 \$	446
237 INVP3614A1 IAM Ph2:Identity Adminis	INVP 3614A1 IAM Ph2: Mentity Administration (Cyber Security)	3614A S	10000141707	YES	3020 \$	2,647,721	12/1/2016	84 \$1	\$1,765,148 \$1	\$1,386,902 \$	1,576,025 8	8.021.0% 4	.58% \$	4,306 \$	17,324
238 INVP 3915 - Annual HR & Payroll SP	INVP 3915 - Annual HR & Payroll Mandatory Service Pack Upgrade (HRSP)	USFP	0000178452	YES	3012 \$	803,788	12/1/2016	120		\$535,859	\$576,048 8	8.0210% 4	.58% \$	1,568 \$	3,681
239 INVP 4223 - US SAP BOE Update	INVP 4223 - US SAP Armual Business Objects Environment (BOE) Update	USFP	10000176041	YES	G012 S	723,292	2/1/2016	120		\$482,195	\$518,359 8	8.0210% 4	.58% \$	1,411 \$	3,313
240 INVP 4218 - Blanket Work Order	INVP 42 18 - Blanket Work Order	USFP	0000178859	YES (	3012 \$	2,393,826	2/1/2016	120 \$1		S	1,715,575 8	8.0210% 4	1.58% \$	4,670 \$	10,964
241 INVP 3882 - NYS Pipeline Safety CMS	NYS Pipeline Safety CMS Regulatory Compliance	3882	10000161831	YES	3207 \$	1,480,189	2/1/2016	84		\$775,337	\$81,065 8	8.021.0% 19	19.47% \$	10,234 \$	41,170
242 INVP 4225 - Ancillary SAP Apps	INVP 4225 - Ancillary SAP Application Updates	USFP	0000176046	YES	3012 \$	426,099	2/1/2016	120		284,066	\$305,371 8	8.021.0% 4	4.58% \$	831 \$	1,952
243 INVP 4219 - PowerPlan Upgrade	INVP 4219 - PowerPlan Upgrade	USFP	0000176040	YES	3012 \$	1,250,841	12/1/2016	120	\$958,978	\$833,894	\$896,436 8	3.0210% 4	4.58% \$	2,440 S	5,729
244 INVP 4263 - US Web Authentication	INVP 4263 - US Web Authentication Upgrade (Full)	4263	0000170290	YES	3020 \$	306,947	12/1/2016	88	\$204,631	3160,782	\$182,706 8	0210% 4	.58% \$	499 \$	2,008
245 INVP 3614E3 SIEM 2	INVP 3614E3 SIEM 2 (Cyber Security)	3614 5	0000141754	YES (	3020	2,171,757	2/1/2016	84 \$1	1,447,838 \$1	,137,587 \$	1,292,712 8	0210% 4	.58% \$	3,532 \$	14,209
246 USFPR3 Payroll	USFP R3 Payrell part of USS C-12-333	USFP	0000142385	YES	3012 \$	16,772	2/1/2016	120	\$12,858	\$11,181	\$12,020 8	0210% 4	\$ %857	33 \$	7.7
247 INVP 3538 - VSTIG Bandwidth Increas	INVP 3538 - VSTIG Bandwidth Increase	3538	90000158866	YES	3020 \$	(21,448)	2/1/2016	28	8	80	80 8	0210% 4	4.58% \$	32 \$	
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Line Investment Mana	Description	W # dAM	Work Order	NADO	Dill Bool	EV71 Total Snowd	In Services Data	Amortization	401 0000 Bellence	3/31/2021 Belence	A some on Balanca	Service Co	NIMOG	Z
1 INVP 3564 Cust Choice ESCO Gas	INVP 3564 Customer Choice ESCO Gas Management		90000134705	ON	C225	\$ 14,409,951		84	\$7,204,976	\$5,146,411	\$6,175,693	7.9910%		S
	INVP 4172 - Cross Company Customer System Enhancements	4172	90000164925	YES	C175	\$13,889,170	9/1/2016	84	\$6,779,238	\$4,795,071	\$5,787,154	7.9910%		S
3 INVP 4102 - Capture Fusion Data	INVP 4102 - Mobile Capture of Plastic Fusion Data	4744	90000162166	YES	G207	\$303,525	9/1/2016	84	\$148,149	\$104,788	\$126,469	7.9910%	19.47%	· ·
5 INVP 3914 - Bill Print Facility	INVF 3244 - US COMPOLEDD GRO HANDING DAY CHANGES INVF 3194 - Bill Print Facility Releasing Support	3914	90000171355	YES	C175	\$317,738	7/1/2016	8 9	\$147.521	\$102.130	\$124.826	7.9910%		2 %
	INVP3629 Cascade System for Gas	3629	90000134426	YES	G210	\$2,353,207	7/1/2016	84	\$1,092,561	\$756,388	\$924,474	7.9910%		S
	INVP3853 NMPC C-Cure Conversion to AMAG (non-NERC only)	3853	90000145855	YES	G113	\$822,678	7/1/2016	84	\$381,958	\$264,432	\$323,195	7.9910%		S
	USFP Release 3 Finance	USFP	90000142411	YES	G012	(\$76,185)		120	80	80	80	7.9910%	4.58%	~ 0
10 USFP R3 Payroll	USEP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	(\$149,379)	6/1/2016	120	80	80	80	7.9910%		2 %
	INVP 2927 US Desktop Refresh	2927	90000150615	YES	G012	\$413,864		84	\$182,297	\$123,174	\$152,735	7.9910%		s
12 INVP3839 NY Retail Access 13 INVP383 CPIS Mirrarion	INVPS839 NY Retail Access Mandate NAD 2883 (**DIS Mirration to CSS Scotum)	3839	90000141799	YES	G170	\$2,330,372	5/1/2016	2 84	\$1,026,474	\$693,563	\$860,018	7.9910%	10.92%	· ·
	INVE 2927 US Desktop Refresh	2927	90000150615	YES	G012	\$6,823,937	5/1/2016	* 4	\$3,005,782	\$2,030,934	\$2,518,358	7.9910%		· ~
	USFP Release 3 Finance	USFP	90000142411	YES	G012	(\$3,665,858)	5/1/2016	120	80	80	80	7.9910%		~
	INVP4024 Soft Off Program	4024	90000156429	YES	G207	\$1,285,464	4/1/2016	84	\$550,913	\$367,275	\$459,094	7.9910%		S
17 INVP 3883 Mobile Device for PTO, Me 18 IN 3136 NE GAS LEAKS RECHECKS	INVP 3883 Mobile Device for PLO, Meter Operations, GMS, and I&R Cantalized Software-INVP 3136 NF, Gae Loaks Rechecks	3136	90000153451	S Q	818	\$1,743,812	3/1/2016	8 8 4 7	\$747,348	\$498,232	\$622,790	7.9910%	0.00%	n v
	INVP 4133 - LI Stabilization	4133	90000163306	NO.	5230G	\$677,092		. 48	\$282,122	\$185,394	\$233,758	7.9910%		~
	INVP3492 Comprehensive Integration Services Foundation	3492	90000134389	YES	G012	\$2,570,472		84	\$1,040,429	\$673,219	\$856,824	7.9910%		~
	Capitalized Software-INVP 3600B US Web Initiatives 2	3600B	90000142197	YES	G175	\$4,153,761	2/1/2016	84	\$1,681,284	\$1,087,890	\$1,384,587	7.9910%		~
22 UNIF KS Payroll 23 INMP 3335D Challenne Limite Letters	USFP RS Payroll part of USSC-12-353 NAVD3375D-Challamonaha I mito London	3375D	90000142383	YES	2012	\$2,078		071	\$1,212	\$1,004	\$1,108	7.9910%	20.54%	^ ~
	INVP2495H US CNI Frame Relay Replac	2495H	90000134425	YES	G210	\$6,532,674	2/1/2016	2 48	\$2,644,178	\$1,710,939	\$2,177,558	7.9910%		· ~
	INVP 4074 - MA Gas 4 Hour Appointment	4074	90000160455	ON	C310	\$291,566	1/1/2016	84	\$114,544	\$72,892	\$93,718	7.9910%		S
	INVP 3237 Street Light Outage Imp	3237	90000120335	YES	G198	\$324,546	1/1/2016	84	\$127,500	\$81,137	\$104,318	7.9910%		~
27 INVP 4525 - Maintraine Upgrade 28 INVP 1172 - AMAG Horrados	INVP 4523 - Manitrame Upgrade Access Control & Alam Monitorine Sestem	4523	90000171825	XES X	G020	\$2,868,015	11/1/2016	84 84	\$1,468,150	\$1,058,434	\$1,263,292	7.9910%	4.58%	n v
	INVP 3538 - VSTIG Bandwidth Increase	3538	90000158866	YES	G020	\$1,747,846	11/1/2016	. 48	\$894,731	\$645,039	\$769,885	7.9910%		~
	INVP 4266 - End User Device Refresh Win7 Ph3 Assessment (Full)	4266	90000170292	YES	G020	\$294,858		84	\$150,939	\$108,817	\$129,878	7.9910%		~
	EHRI - Payroll	USFP	90000148062	YES	G012	\$6,240,543		84	\$2,377,350	\$1,485,844	\$1,931,597	7.9910%		~
32 EHRI - Finance	EHRI - Finance EDD : Semala Chain	USFP	90000148060	YES	G012	\$10,024,521		8 2	\$3,818,865	\$2,386,791	\$3,102,828	7.9910%	4.58%	· ·
	EHRI - TI Delivery	USFP	90000148061	YES	G012	\$2,568,884		120	\$1,455.701	\$1.198.813	\$1327257	7.9910%		. ~
	EHRI - PMO	USFP	90000148055	YES	G012	\$8,346,172	12/1/2015	84	\$3,179,494	\$1,987,184	\$2,583,339	7.9910%		~
	EHRI - BPS	USFP	90000148063	YES	G012	\$14,956,768	12/1/2015	84	\$5,697,816	\$3,561,135	\$4,629,476	7.9910%		~
	NONE	N/N d. Err	90000098917	YES	G198	\$65,683,888	12/1/2015	\$ 5	\$25,022,434	\$15,639,021	\$20,330,727	7.9910%		~ .
38 INVP 3375B Challenge the Limits XML	INVP3375B- Challenge the Limits XML	3375B	90000140573	YES	6113	\$616,276	12/1/2015	84	\$234,772	\$146,732	\$190,752	7.9910%	9.53%	v o
	USET Reference 5 minimistre INVP 2960C - GridForce SanS Phase 2 Implementation	2960C	90000131135	YES	G210	312,324,346	9/1/2015	84	30,000,301	\$2,020,040	30,202,02	7.9910%		· ~
	Capitalized Software	2940	90000109629	YES	G012	\$3,552,013		84	\$1,184,004	\$676,574	\$930,289	7.9910%		s
_	INVP2892B Socurity Access Panels NERC CIP Complaince	2892B	90000142290	YES	G432	\$686,428		84	\$228,809	\$130,748	\$179,779	7.9910%		~
	Replacement for WO 90000097247 to properly book the WO under the correct Intangable CWP and asset G/L accounts.	1043	90000157429	ON S	U273	\$29,309,502		84	\$9,420,911	\$5,233,840	\$7,327,375	7.9910%		~ °
44 INVE29 /0 Security into & Event Mgm 45 IN 31248 GLOBAL HR STRATHGY	Captalized Software-Inve 29/0 Security into & Event Aigm In 3 (24 G.O. B.A.). HR STR ATFGY	3124B	90000133045	YES Y	G020	\$1,752,601	4/1/2015	8 8	\$500,743	\$250,372	\$375.475	7 9910%	4.58%	^ ~
	Capitalized Software INVP 3615 Success Emerprise Mgmt	3615	90000134377	YES	G186	\$623,254		84	\$170,653	\$81,617	\$126,135	7.9910%		~
	NONE	USFP	90000107542	YES	G012	80	3/1/2015	120	80	80	80	7.9910%		~
48 INVP 2951 - Legal Hold Automation	INVP 2951 - Legal Hold Automation	2951	90000131880	YES	G012	\$647,273	3/1/2015	8 2	\$177,230	\$84,762	\$130,996	7.9910%	4.58%	v o
	Capalized Soliware Live F 1,3475 meter reading	3022	90000138893	XES E	G175	31,114,302	3/1/2015	* 4	\$52,1256	\$10,000 \$0	\$60,1526	7.9910%		· ~
	INVP 3378 Rubber Goods Testing	3378	90000137871	YES	G186	\$396,375	3/1/2015	84	\$108,531	\$51,906	\$80,219	7.9910%		S
	Capitalized Software-INVP 0823 Data Loss Prevention	823	90000112636	YES	G020	\$782,169	3/1/2015	84	\$214,165	\$102,427	\$158,296	7.9910%		S
54 INVP823D Guardium	IN PR23D Cuardium	823D	90000141134	YES	G012	32,343,064	3/1/2015	8 9	3090,321	\$333,023	\$014,072	7.9910%	4.58%	2 %
_	INVP2960C GridForce SaaS Phase 2	2960C	90000144051	YES	G210	\$3,254,217	3/1/2015	84	\$891,036	\$426,148	\$658,592	7.9910%		S
	INVP 3600 - US Web Initiatives focusing on Content Management & eCommerce for Customer facing website	3600	90000131946	YES	C175	\$1,380,415	3/1/2015	84	\$377,971	\$180,769	\$279,370	7.9910%		S
57 INVP 3039 US eDiscovery 58 INVP3294R PowerPlan Phase 2	Capitalized Software INVP 3039 EDBoovery (Smitalized Software	3294B	90000118116	YES Y	2012	\$393,008	3/1/2015	8 8	\$107,609	\$31,465	\$79,537	7 9910%	4.58%	~ ~
	INVP 2982b Identity & Access Mg Pr	2982b	90000113826	YES	G012	\$3,576,972	3/1/2015	84	\$979,409	\$468,413	\$723,911	7.9910%		~
	USFP R3 Payroll part of USSC-12-333	USFP	90000142385	YES	G012	S	2/1/2015	84	80	So	80	7.9910%		S
61 USEP KS Payroll 62 TISED Belones 3 - IT Delivery	USFFR STAYROLL part of USSC-12-355 Constational Software LISBO Bellomes 3 - IT Dullicore	USH	90000142385	YES Y	2012	\$7,489,757	21/2015	120	\$5,620,049	\$2,871,074	\$3,245,561	7.9910%	4.58%	n .
	USFP Release 3 Supply Chain activity	USFP	90000142410	YES	G012	\$9,814,175		120	\$4,661,733	\$3,680,315	\$4,171,024	7.9910%		· ~
	INVP 2577 GIS Consol Ph 2	2577	90000108120	YES	G210	\$2,882,206		84	\$720,552	\$308,808	\$514,680	7.9910%		S
65 INVP 2983a CNI Network Security Pro	Capitalized Software Motor Tea Denigration Conjugate Conference	2983a	90000113827	YES	G012	\$115,489	12/1/2014	84 2	\$27,497	\$10,999	\$19,248	7.9910%	4.58%	s v
	New England Telecom Network Alarm Capitalized Software	V.V	90000100684	N ON	G284	\$88,951		84	\$19,061	\$6,354	\$12,707	7.9910%		. ~
	INVP 1643B - NY Commodity Rates Capitalized Software	1643B	90000110456	YES	G113	\$18,216	10/1/2014	84	\$3,903	\$1,301	\$2,602	7.9910%		s
59 IN 1642Radio Standardzation Cons 20 IN 2366-LLCNLDirood Hw. Hoor	IN 1642—Radio Standardziatkon Cors Capitatized Software IN 23661 I CNI Direct Huc I care Software	2366	90000099327	S C	333	\$130,644	8/1/2014	84	\$27,995	\$9,332	\$18,663	7.9910%	4.58%	v v
	INVP 2162 - PRIMAVERA EXPANSION - Capitalized Software	2162	90000104720	YES	G376	\$228,928	7/1/2014	8 2	\$40,880	\$8,176	\$24,528	7.9910%		~
	INVP1485 Computapole Migration to Windows 7 - Capitalized Software	1485	90000134385	YES	G186	\$874,103	7/1/2014	84	\$156,090	\$31,218	\$93,654	7.9910%		~
73 1642 - Radio Standardization Cons 74 INVP2997B EVM Phase 2	IN 1042-Hadio Mandatdzatkin Cors Capitalized Software INVP2997B Earned Value Mana sement Phase 2 - Capitalized Software	2997B	900000134297	YES	7105 C186	\$5,046,691	7/1/2014	8 8	\$24,032	\$108,810	\$14,812	7.9910%	0.00%	o o
	IN 1182 GAS TRANSPORT SYS - Capitalized Software	1182	90000124369	NO	G227	\$1,780,960	7/1/2014	84	\$318,029	\$63,606	\$190,817	7.9910%		8

Nagara Mohawk Power Corporation d'b'a National Grid Service Company Rents Existing Service Company Capital Software allocated to Open For the Data Year ended March 31, 2021

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2997	3374	N/A	887	1242	1182B	V/N	11828	V/N	2981	3393	V/N	3294	STD0	NEWO	3103	N/A	3195	2630	3232/	16430	3307	1549	1356A	2732	NEWO	9861	2832	WX.	3076	3210	2135	2522	2310	dash	HSO	USFP	USFP	USH	USFP	OSE	HSU SERI	dash	USFP	USFP	USFP	USFP	USFP	TISO GISTI	USFP	USFP	USEP	GESU.	USFP	USFP	USFF	USFP	USFP	TISO GISTI	USFP	USFP	USFP	USFP	USFP	ANSO SERVICES	USFP	USFP	
Description INVP 2997 Earned Value Mgnt Rptg - Capitalized Software	INVP3374 Small World GIS FY13 R 1-2 - Capitalized Software	IN N/A NE & NY EMS NERC-CIP Authentication - MW Capitalized Software	Capitalized Software	INVP 1242 - WCOR01 Capitalized Software	INVP 1182B Gas Transportation System Meter Route Consol	INVP N/A NE EMS TSS Capitalized Software	Capitalized Software-IN1182BGAS TRANS SYS PHASE 2	GAS Transformation	INVP 2981 US Security Awareness Cap Software	INVP 3393 Ehancement of Reservior Woods Capitalized Software	Capitalized Software	Capitalized Software	INVP 1242 EDO Transformation Capitalized Software	Capitalized Software	INVP 3103 IRISE Capitalized Software	Capitalized Software	INVP 3195 Storms Archive Tool Implementation	Capitalized Software	Capitalized Software	Capitalized Software	Capitalized Software	Capitalized Software	INVP 1356A US Retail Web Customer & Markets	Capitalized Software	Capitalized Software	Capitalized Software	Caratalized Software	Capitalized Software	Capitalized Software	Capitalized Software	Capitalized Software	INVP2522 VTL Replacement Cap Software	Software-INVP 2900B CRM Sakstoree Saas	NONE	NONE	NONE	NONE	NONE	NONE	Capitalized Software-USFP-PAMO - R1	Capitalized Software-USF F-trocks & Design - KI 11GFD - Hardware & Software-DD - Capitalized Software	USFP - Solution Architecture-DD Capitalized Software	USFP - PMO-DD - Capitalized Software	Capitalized Software-USF P-Business Engagement -R1	HR STREAM - DESIGN CAPEX - Capitalized Software	Capitalized Software-USFP Tech Delivery DD	USFP - Testing-DD - Capitalized Software	Capitalized Software-USFF Test Ons	Capitalized Software-USFP-Cutover-R1	Capitalized Software-USFP-Reporting & Info - R1	US Pre-BLUEPRINT STRATEGY PLAN - Capitalized Software	Cajatal Eco Sottware - OSTV-Hardware & Sottware-K. USEP Test Finance Capitalized Software	USFP - Process & Design-DD - Capitalized Software	S/CHAIN STREAM - DESIGN CAPEX - Capitalized Software	Capitalized Software - US FOUNDATION PRGM ARCH/DECOM	Capitalized Software-USFP-Solution Architecture-R1	USFP - Data Strategy-DD - Capitalized Software	INFORMATION MOMT - DESIGN CAPEX - Capitalized Software	PROCESS & DATA - DESIGN CAPEX - Capitalized Software	Capitalized Software-USFP-Build & Unit Test-R1	Capitalized Software-USFP-Business Readiness -R1	Capitalized Software- USFP-Data Strategy - R1	Capitalized Software-USFP Test SS	Captalized Software- USFP-1 csting -RI	Capitalized Software - USFP-Tech Delivery - R1	USFP - Reporting & Info-DD - Capitalized Software	
INVP 2997 Earned Value Mgmt Rptg	INVP3374 Small World GIS FY13 R 1-2	IN N/A NE & NY EMS NERC-CIP Auth MW		INVP 1242 - WCOR01		INVP N/A- NE EMS TSS	IN1182BGAS TRANSSYS PHASE 2 (GTIS)	GAS Transformation	INVP 2981 US Security Awareness	INVP 3393 Ehancement of Reservior W	Inspect System Resources/Hard/Softw		STD01-Concept Est Tool				INVP 3195 Storms Archive Tool Imple		INVP 3232A - Tallyman & Paperless B							INVP 1389 US Computing Minor Works		105 Global Web Implementation					IN2900B CRM SAAS IMPLEMEN								USER-Process & Design -RI ITSEP - Hardware & Software, DD						USFP - Testing-DD					USEP Test Finance					USFP - Data Strategy-DD										

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NIMO G Rem Depn			2 405		•		9	1,502	5 24	5,284		16,556	' ;	3.907	7,585	8,4	X,4	53,533	2,2	- 1001			16,341	1,16	2,3	K 1	1,068			10,01	E,1.	3,13	34,6	12,6	13,321	,	3,784	6. 8.	5,979	19,967	28,386	29,90	17.9	79,98	4,755	9,0	11,596	989	51	122,51	9, 5,	211,201	281,060	4.1.	4,151	7.
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5210G NIMO G Allocation			0.00%			0.00%		4.58%			0.00%			4.58%			4.58%			0.00%			4.58%			6.16%	o 4		4.58%			4.58%			4.58%		4.58%			4.58%			4.58%			4.58%		4.58%			4.58%	4	4.58%		4.58%	4.3870
7.9910% Service Co Return	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7 9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7 9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%
Average Balance	\$64,669	\$33,191	\$4,209	\$246	\$26,870	\$16,700	\$7,488	\$16,395	\$1,562	\$57,691	\$52,018	\$180,747	\$1,224	\$29,884	\$39,713	\$25,251	\$27,862	\$280,276	\$24,515	\$8,676	\$13,517	\$29,605	\$178,391	\$55,301	\$25,880	\$27,008	\$11,665	80	08 08	\$457,329	\$59,299	\$530,343	\$1,575,983	\$577,217	\$605,931	\$32,202	\$172,125	\$43,645	\$271,969	\$908,258	\$1,291,193	\$1,360,417	\$4,880,447	\$3,638,295	\$216,276	\$528,843	\$527,484	\$28,918	\$56,543	\$5,576,207	\$420,925	\$9,607,022	\$12,784,768	\$521,659	\$188,834	700,140
3/31/2021 3/31/2021 Balance	\$21,556	\$11,064	20	80	80	9 9	80	20 80	8 8	80	20 %	20 30	80	S S	80	80	08 08	80	80	S S	80	80	80	80	80	80	S S	80	0 00	\$347,570	\$45,067	\$2 104 890	\$1,197,747	\$438,685	\$460,508	\$24,474	\$130,815	\$33,170	\$206,697	\$690,276	\$981,307	\$1,033,917	\$3,709,139	\$2,765,104	\$164,370	\$401,670	\$400,888	\$21,978	\$42,973	\$4,237,917	\$319,903	\$7,301,336	\$9,716,423	\$396,460	\$143,514	\$31,655
4/1/2020 4/1/2020 Balance	\$107,781	\$55,319	\$8,418	\$491	\$53,741	\$33,400	\$14,976	\$32,790	\$3,125	\$115,382	\$104,035	\$361,493	\$2,448	\$59,769	\$79,426	\$50,502	\$55,724	\$560,553	\$49,029	\$17,353	\$27,034	\$59,210	\$356,782	\$110,602	\$51,759	\$54,016	\$23,330	80	80	\$567,089	\$73,530	\$657,625	\$1,954,219	\$715,749	\$751,355	\$39,931	\$213,436	\$54,120	\$337,242	\$1,126,240	\$1,601,080	\$1,686,917	\$6,051,754	\$4,511,486	\$268,183	\$520,965	\$654,080	\$35,858	\$70,113	\$6,914,497	\$521,947	\$11,912,707	\$15,853,112	\$646,857	\$234,154	\$21,040
Amortization Period	84	84	84 2	84	84	8 8	84	84	\$ 48	84	84 8	\$ 48	84	8 8 4 4	84	84	8 8	84	84	8 8	84	84	25.2	8 %	84	84 5	8 8	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	130	120	120	120	120	170
In Service Date	7/1/2014	7/1/2014	3/1/2014	3/1/2014	3/1/2014	3/1/2014	3/1/2014	3/1/2014	2/1/2014	2/1/2014	2/1/2014	2/1/2014	2/1/2014	11/1/2013	11/1/2013	11/1/2013	11/1/2013	11/1/2013	11/1/2013	11/1/2013	11/1/2013	11/1/2013	11/1/2013	11/1/2013	11/1/2013	11/1/2013	10/1/2013	4/1/2013	4/1/2013	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012
FY21 Total Spend	\$603,575	\$309,785	\$64,286	\$3,750	\$410,384	\$255,055	\$114,360	\$250,393	\$26,246	\$969,208	\$873,898	\$3,036,545	\$20,566	\$627,573	\$953,115	\$606,020	\$668,684	\$6,726,634	\$588,353	\$208,231	\$324,412	\$710,520	\$4,281,380	\$1,327,228	\$621,113	\$648,194	\$326,615	(\$2,545,646)	(\$284,633)	\$2,195,181	\$284,633	\$2,545,646	\$7,564,718	\$2,770,640	\$2,908,470	\$154,570	\$826,202	\$209,496	\$1,305,452	\$4,359,638	\$6,197,728	\$6,530,003	\$23,426,143	\$17,463,817	\$1,038,127	\$1,242,446	\$2,531,924	\$138,806	\$271,405	\$26,765,794	\$2,020,438	\$46,113,703	\$61,366,885	\$2,503,961	\$906,402	\$199,928
Bill Pool	G186	G198	G220	G198	G227	G272	G012	G012	091S	G012	G198	G012	G198	G180	G179	G179	2012	G179	G012	G0198	981D	G198	G012	G259	G012	HTTI	G012	G012	G012	G012	G012	G012	G012	G012	G012	G012	G012	G012	G012	G012	G012	G012	G012	G012	G012	2012	G012	G012	G012	G012	G012	G012	G012	G012	G012	7105
NMPC	YES	YES	YES	YES	ON	0 0	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO N	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	XES T	YES	YES
Work Order	90000120197	90000120127	90000097856	90000104177	90000124368	90000104968	98696000006	90000117533	90000104057	90000117978	90000104104	90000106874	90000104150	90000113828	90000116954	00001100006	90000119141	90000100058	90000104631	90000093776	90000112827	90000106487	90000095326	90000116474	90000113005	90000104630	90000118115	90000104654	90000097843	90000104655	90000097843	90000104654	90000107540	90000104657	90000104656	90000107549	90000097841	90000104648	90000117362	90000117358	90000107544	90000094157	90000107551	90000104646	90000097846	90000121728	90000104649	90000097847	90000097844	90000107541	90000107548	90000117367	90000107542	90000104650	90000097840	90000097839
₩	2997	3374	N/A	1242	1182B	N/A	N/A	2981	N/N	3294	STD01	3103	N/A	3195	3232A	1643C	1549	1356A	2732	NEW03	2832	2172	N/A 2026	3210	2135	2522	2960B 3310	USFP	USEP	USFP	USFP	da da	USFP	USFP	USFP	USEP	USFP	USFP	USFP	USFP	USFP	USFP	USEP	USFP	USFP	USE	USFP	USEP	USFP	USFP	USEP	USFP	USFP	USE	USFP	USE

Niagara Mehawk Power Corporation drb's Niatoral Grid Service Company Rents Existing Service Company Capital Software allocated to Operating Comp For the Data Your ended March 31, 2021

# Work Or				00006	ITXE	0006	ITXE	90006	00006	90006	1TXFE	00006	9000C	00006	90000	00006		00006		0006				90006	00006	00006	9000	00006	0006	00006	90000	00006		00006	00006	00006	00006	90006	00006	00006	00006	90006	1TXFI	00006	00006	90006	ITXE	DUXE	00006
USFP	USFP	USFP	USFP	USFP	V/V	2330	2992	1488	N/A 1656	1671	1182	836	N/A 1259B	V/N	X X	0980E	N/A	e e	1242TB	e e	1242	DECUS05	WCOR09	823	V V	N/A	309 N/A	V/N	e e	USFP	N/A	N/A	ISP01	SHORT04	1242D	V X	N/A	1401	N/A	N/A	V V	845	e e	N/N	Y X	N/A	N.A	N/A TCOC	3853
						flware																																											
Software				are	FDC Enhancement (work order #8K008002108)	Capitalized So	002315)	V008002303)			8002303)		9																																				
Description FINANCE STREAM - DESIGN CAPEX - Capitalized Software USPP - Controls & Roks-DD - Capitalized Software	zed Software Roles -R1		are	DESIGN AUTH - DESIGN CAPEX - Capitalized Software PMO TEAM - DESIGN CAPEX - Capitalized Software	(002108)	kus-Gas Benef f	IN 2992 MA GAS SINGLE BILL (Work order #8K008002315) IN 3623 MA CAS DATH CASH OF REMOVED AND THE COMPANY OF STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STANDARD STA	WOLK OF ORET #5			IN 1182 GAS TRANSPORT SYS (Work order # 8K008002303) Cantalized Software		Desktop (email, AD & SharePoint) IN1259B Contact Ctr Consol (work order#8K008002213)												9	2				÷	<b>*</b>					231		2							233	IAT	TW.		tion ompliance
ESIGN CAPE	t-DD - Capitali FP-Controls &	italized Softwar	ed Software spitalized Softw	3N CAPEX - C CAPEX - Capi	k order #8K008	TRM Repl Nuc cleus-Gas Bene	LEBILL (World	CASE: CKB	Agent deskton	DEL HUB	ORT SYS (Wor	n 4.0 upgrade	narePoint) nsol (work orde		ue ou	ons Section CADEV	2 of 2	1 of 2 Project	trics	-Des		ng Req	ation	Project	#(NIMO) rt-Phase II/NIM	Routes	VENDOR		xpansion	JS Dir	Radio (BL)	isc)	anse)	grade Lease)		ol 233 t of 2 Bill Pool 2	MISHOW GAS	STRACUSEN	A c Proj	01231	-	- Dept	Aodemize 32	sliance	of 2 Bill Pool	ording	K FIFES - CAP	Doffcool	Neb Administra S Regulatory C
Description FINANCE STREAM - DESIGN CAPEX - Capitalize USFP - Control & Roles-DD - Capitalized Software	USFP - Build & Unit Test-DD - Capitalized Software Capitalized Software - USFP-Controls & Roks - RI	USFP Test Procure Capitalized Software	USFP Test HR Capitalized Software USFP - Cutover-DD - Capitalized Software	AUTH - DESIGN VM - DESIGN	висетен (wor	Cap Software-IN 2330 ETRM Repl Nuck IN 2330 ETRM Repl Nuckus-Gas Benef	AA GAS SING	Capitalized Software	KPI Reporting Tool IN 1656-CUST Systems Agent deskton	IN1671-US Transaction DEL HUB	IN 1182 GAS TRANSP Capitalized Software	Smallworld GIS/PowerOn 4.0 upgrade	Desktop (email, AD & SharePoint) IN1259B Contact Ctr Consol (work	refresh)	Data Cener Ranonalization CDH Acet Initiation	IN 0980E - FiSery Solutions	Cascade Phase II project 2 of 2	Cascade Phase II project 1 of 2 ITHE Spectrum Purchase Project	INVP 1242TB - KPI Metrics	Video Conferencing IBCRD011-Wholesale Re-Des	INVP 1242 - DECUSOS	INVP 1224 DECUS05-Autom for Mng Req	WCOR09 - AVLS Integration	INVE 1391 IN0823 Security Enhance Project	NY NE IVRReplacement(NIMO) NE NY IVR Replacement-Phase II(NIMO)	Combine Meter Reading Routes	IN0309-SCM-ENGAGE VENDOR INVP N/A-Talent Management	LIMZEMA Project	FFA (NIMO) S&M Data Warehouse Expansion	Plan & Perf for Exec & US Dir	INVESS91-Implement ULP lanner-CAPEX Control Center Dispatch Radio (BL)	GIS Project (Bankers Lease)	ACIS Project (Bankers lease) ISP01-Integrated Strat Plan	SHORT04-Prima P6 Upgrade TGM (formerly Bankers Lease)	Capitalized Software	AIMMS Project - Bill Pool 233 Cascade Phase I project 2 of 2 Bill Pool 231	IVR Project Work	IS CERT FOR	WO for Capital Chgs-FFA  Bok Lonce W MA F Ontic Proj	AIMMS Project - Bill Pool 231	CIS Consolidation	5	GAS SCADA Upgrade/Modernize OMS-Capital-Bill Pool 232	INN/A-NERC CIP Compliance	Cascade Phase I project 1 of 2 Bill Pool 233 OneNet	Contact Centers Call Recording	ANS - WIRES	DATA WAREHOUSE	INVES 2227 US DOSNOP RELICES INVEST 14A2 IAM Ph3 Web Administration NYS Pipeline Safety CMS Regulatory Compliance
Description FINANCE USFP - Co	USFP - H Capitalize	USFP Te	USFP-C	DESIGN PMO TE	FDC Enh	Cap Softy IN 2330 I	IN 2992.)	Capitalize	KPI Repo	1-1291NI	IN 1182 Cantalize	Smallwor	Desktop ( IN1259B	Desktop (refresh)	CDH Acc	10860 NI	Cascade I	Cascade I	INVP 12	Video Co JBCRD0	INVP 12	DECUS05-	WCOR09	IN0823 S	NY NE P	Combine	N0309-8	LIMZEN	FFA (NIMO) S&M Data Wa	Plan & Po	Control C	GIS Proje	ISP01-Int	SHOR TO	Capitalize	AIMMS I Cascade I	IVR Project Work	IN1388-218 INVP 1401	WO for C	AIMMS	CIS Consolidation	INVP 0845	GAS SC/ OMS-Car	N-A/NNI	Cascade I OneNet	Contact C	HR BENEFITS	DATA W	INVP361 NYS Pipe
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Investment Name FINANCE STREAM - DESIG USFP - Controls & Roles-DD	USFP - Build & Unit Test-DD USFP-Controls & Roles -R1	Procure	-IR over-DD	DESIGN AUTH - DESIGN CAPEX PMO TEAM - DESIGN CAPEX	66	IN 2330 ETRM Repl Nuckus-Elec Bene IN 2330 ETRM Repl Nuckus-Gas Benef	6 8	IN1488-Remote Access to Fault REC	KPI Reporting Tool N1656-CUST Systems Agent desktop	IN1671-US Transaction DEL HUB	TXFER00099 (GTIS) IN 1482-ACIS Target Pricing Model	INVP 0953 - Bill Pool 231	Desktop (email, AD & SharePoint) TXF ER 00099	resh)	Data Center Kanonai zaron CDH Acet Initiation	IN 0980E - FiSery Solutions TIS MG Global Internet Design CABEY	Cascade Phase II project 2 of 2	Cascade Phase II project 1 of 2 UHF Smetrum Purchase Project	INVP 1242TB - KPI Metrics	Video Conferencing JBCRD011-Wholesale Re-Des	INVP 1242 - DECUS05	INVP 1224 DECUS05-Autom for Mng Req	WCOR09 - AVLS Integration	INVEY 1391 IN0823 Security Enhance Project	NY NE IVR Replacement (NIMO) NF NY IVR Replacement-Phase I	Combine Meter Reading Routes	IN0309-SCM-ENGAGE VENDOR INVP N/A-Taknt Management	Project	FFA (NIMO) S&M Data Warehouse Expansion	Plan & Perf for Exec & US Dir	INVESS91-Implement UTP lanner-C. Control Center Dispatch Radio (BL)	GIS Project (Bankers Lease)	ACIS Project (Bankers Rese) ISP01-Integrated Strat Plan	SHORT04-Prima P6 Upgrade TGM (formerly Bankers Lease)	IN1242D-ISP-Integrated Strat Plan	AIMMS Project - Bill Pool 233 Cascade Phase I project 2 of 2	Work	Cellt. FOR St	WO for Capital Chgs-FFA  Bok Lesse W MA F Ontic Proj	AIMMS Project - Bill Pool 23	CIS Consolidation	S 103 - LII	TXFER00099 OMS-Capital-Bill Pool 232	INN/A-NERC CIP Compliance	Cascade Phase I project 1 of 2 OneNet	Contact Centers Call Recording	2 2	1TXFER00099	INVESTIGATION DORREST INVESTIGATION OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE COUNTY OF THE C
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NIMO G Rent - Depn	12,339	12,748	1,429	45	541	27.459						٠	1		,																	•																				1								٠		1		10,085	
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NIMO G Allocation 4 58%								0.00%	12.44%	9,00%	0.00%	4.58%	0.00%	4.58%	0.00%	0.00%	0.00%	0.00%	4.58%	4.58%	4.58%	9.55%	4.58%	0.00%	0.00%	9,0000	4.58%	0.00%	9,000	0.00%	0.00%	7.38%	4.58%	17.00%	0.00%	4.58%	4.58%	4.58%	4 50%	4.58%	4.73%	9,000	0.00%	0.00%	0.00%	9,000	0.00%	9,0000	9,00.0	4.58%	0.00%	0.00%	0.00%	0.00%	4.58%	0.00%	9,0000	9,000	4.58%	4.58%	0.00%	9,000	0.00%	4.58%	19.47%
Service Co       Return   7	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	%01667	7.9910%	7.9910%	7.9910%	%0166.7	%0166.7	%01667	%0166.7	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	%0166.7	7.9910%	%01667	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	%01667	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	%0166.7	%01667	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	7.9910%	%01667	7.9910%	7.9910%	7.9910%	7.9910%
verage Balance	\$561,281	\$579,878	\$1,019,466	\$2,062	\$24,606	\$1 249 029	80	80	80	0 00	8 08	80	80	80	80	80	000	80 80	80	80	80	80	80	08 08	80	80	80	80	9 9	8 08	80	80	80	0 0	80	80	80	80	0 9	80 %	80	80	0 S	80	80	80	S S	80	80	000	80	80	80	80	0 00	80	80	9 9	80	80	80	80	08	\$697,291	
3/31/2021 Balance A \$228.214	\$426,574	\$440,707	\$49,393	\$1,567	\$18,700	\$50,434	80	80	80	0 00	8 9	80	80	80	80	80	20	08	80	80	80	80	80	08 08	80	80	80	80	0 S	8 9	80	80	80	0 0	80	80	80	80	0 9	8 %	80	80	0 S	S S	80	80	S S	80	80	00 00	\$0	80	80	80	08 08	80	80	0 S	80	80	80	80	08	\$587,192	80
4/1/2020 Balance	8692,989	\$719,048	\$2,006,163	\$2,557	\$30,511	\$82,287	80	80	80	8 8	808	80	80	80	80	80	20	2 2	80	80	80	80	80	8 8	80	80	80	80	2 2	808	80	80	80	S S	80	80	80	80	0 9	80	80	80	9 9 9	80	80	20	20 30	80	80	000	80	80	80	80	2 2	80	80	2 2	80	80	80	80	999 888	\$807,389	80
E C	120																																																															84 94	84
In Service Date	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	11/1/2012	10/1/2012	10/1/2012	10/1/2012	10/1/2012	9/1/2012	8/1/2012	8/1/2012	8/1/2012	6/1/2012	6/1/2012	6/1/2012	3/1/2012	3/1/2012	3/1/2012	3/1/2012	3/1/2012	2/1/2012	12/1/2011	10/1/2011	10/1/2011	10/1/2011	10/1/2011	1047/2011	10/1/2011	10/1/2011	9/1/2011	9/1/2011	71.2011	5/1/2011	3/1/2011	3/1/2011	3/1/2011	3/1/2011	3/1/2011	3/1/2011	12/1/2010	12/1/2010	12/1/2010	12/1/2010	12/1/2010	10/1/2010	10/1/2010	9/1/2010	9/1/2010	9/1/2010	9/1/2010	9/1/2010	9/1/2010	0107176	9/1/2010	9/1/2010	71/2010	6/1/2010	3/1/2010	3/1/2007	4/1/1999	9100175	12/1/2016	12/1/2016
FY21 Total Spend	\$2,694,151	\$2,783,413	\$311,956	89,899	\$118,108	\$518,531	\$2,245,499	\$579,164	\$6,005,256	\$754,588	\$247.958	\$1,184,110	\$10,436,678	\$526,002	\$3,866,615	\$569,716	54,345,552	\$718.478	\$950,271	\$793,491	\$516,140	\$453,167	\$1,617,868	\$1,031,038	\$2,116,624	\$622,592	\$1,207,479	\$436,385	\$253,998	\$1.914.655	\$313,523	\$523,093	\$313,244	\$1,058,009	\$364,462	\$312,721	\$208,232	\$402,988	\$7,548,509	\$294,053	\$1,686,410	\$13,392	\$154,535	\$1,105,706	\$1,443,524	\$12,348	\$47,097	\$588,773	\$1,193,074	\$273,401	\$7,411,737	\$435,545	\$231,345	\$28,900,771	\$2,010,464	\$2,987,041	\$1,059,216	\$1,155,595	\$4,483,264	\$361,473	\$178	\$5,405,642	\$2,328,852	\$1,541,380	SI
BillPool																												G198			G198																																G230	G020	G207
NMPC	YES	YES	YES	YES	YES	YES Y	NO.	YES	YES	0 0	YES	YES	ON	YES	NO	YES	YES	S ON	YES	YES	YES	YES	YES	YES	ON.	YES	YES	YES	X ES	XES	YES	YES	YES	X ES	ON.	YES	YES	YES	X ES	YES	YES	ON S	0 Q	YES	YES	YES	XES TES	YES	ON	YES	9 Q	ON	YES	ON 5	YES Y	ON	ON	X ES	YES	YES	ON	ON :	ON A	YES	YES
Work Order	90000104652	90000104647	90000117369	90000117366	90000104653	90000097837	1TXFER00099	90000106247	90000106246	1TXFER00099	90000104110	90000103772	90000104112	90000104114	1TXFER00099	99166000006	90000104088	1TXFER00099	90000096380	90000096387	90000096389	90000098664	90000095332	90000116202	90000104189	90000104180	90000006376	90000104116	90000104179	90000104123	90000104151												90000105800								90000104186	90000104185	90000104193	90000104055	90000104060	1TXFER00099	90000104188	90000096381	90000096379	90000096385	1TXFER00099	1TXFER00099	1TXFER00099	90000141742	90000161831
INVP #	USFP	USEP	USFP	USFP	USFP	USEP	N/A	2330	2330	2992	1488	N/A	1656	1671	1182	1482	929	12.59B	N/A	V/V	N/A	0980E	N/A	X X	N/A	1242TB	N/A	V/X	1242	DECUS05	WCOR09	1391	823	K X	V/V	309	N/A	VX.	V X	USFP	2391	N/A	e e	ISP01	SHORT04	N/A	N/A	N/A	V/X	1588	N/N	N/A	N/A	N/A	8.45 8.45	N/A	V/V	e e	N/A	N/A	N/A	V/N	N/A FCOC	3853	3882
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INVP 340.4 List (Sub College Finance) Secure Fie. Ernal Tunder (Fid) (Cyber Security)

INVP 341.4 Submaril Richard Administratory Server Pack (19gade (HSSP)

INVP 321.3 US (World Finance) Secure Fie. Ernal Tunder (Fid) (Cyber Security)

INVP 321.4 Submaril Richard Finance College Ernacement (FOE) Update

INVP 321.4 Submaril Richard Secure Fie. Ernal Tunder (Fid)

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INVP 321.4 Submaril Richard (Papade Fid)

INVP 331.4 Submaril Richard (Papade Fid)

INVP 332.4 Submaril Richard (Papade Fid)

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nanies as Rent Expense

Niagara Mohawk Power Corporation d'Dia Niational Grid Service Company Rents Existing Service Company Capital Software allocated to Oper For the Data Year ended March 31, 2021

615 2,025 2,922 12,591 8,511 446 117,324 3,681 3,313 1,964 41,170 11,964 14,170 11,964 11,209 14,209

Niagara Mohawk Power Corporation d'b'a National Grid IS Capital Investment Cost Incentive For the Rate Years Ending March 31, 2019, March 31, 2020

			Allocation	Allocation to	Full Sanction	_	0% Threshold Assumed Actuals upon	Difference from	Gas Portion to be
Investment Name	INVP	Work Order	Code	NMPC-G	Estimate*		Project Closure*	Sanctioned Amount	Shared
Green Button Connect	4704C	N/A	C113	27%	\$3,072,759	\$2,765,483	S	\$ (572,759) \$	
					\$3,072,759	\$2,765,483	\$2,500,000	(\$572,759)	(\$155,160)
Total Gas CAPEX savings reflected in rent expense	\$ 155,160								
20% of CAPEX savings recorded as a regulatory asset	\$ 31,032								

\*The Company will share in any efficiency savings on capital costs to the extent actual capital costs upon project closure, as reflected in the stanction paper for project closure, are less than the full sanction paper. Por project closure, are less than the full sanction paper containing the actual capital costs is identified as "Closure" in the "Sanction Type" field of the sanction paper. The full sanction paper containing the full sanction paper containing the full sanction estimate for the project is identified as "Sancion" in the "Sanction Type" field on the sanction paper. The full will "Partial" or "Re-Sancion") in the "Sanction Type" field on the sanction paper. To purposes of the Green Button Connect project, the incentive is based on the forecast of capital costs reflected in Niagara Mohawk's revenue requirement.

#### Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Deferral of Gas Efficiency Transition Implementation Plan ("ETIP") (\$000's)

#### GAS EXAMPLE 1

		Rate	Gas Year One	Rate	Gas Year Two	Rate	Gas Year Three
1	Actual Expense	\$	10,000	\$	10,200	\$	10,700
2	Rate Allowance	\$	10,549	\$	10,549	\$	10,549
3	Difference	\$	549	\$	349	\$	(151)
4	3 Year Cumulative Actuals	\$	30,900				
5	3 Year Cumulative Rate Allowance	\$	31,648				
6	Difference - underspend / (overspend)	\$	748				
7	Deferral - Due to Customers	\$	748				

#### GAS EXAMPLE 2

0.10		Rate	Gas Year One	Rate	Gas Year Two	Rate	Gas Year Three
1	Actual Expense	\$	10,700	\$	10,350	\$	10,900
2	Rate Allowance	\$	10,549	\$	10,549	\$	10,549
3	Difference	\$	(151)	\$	199	\$	(351)
4	3 Year Cumulative Actuals	\$	31,950				
5	3 Year Cumulative Rate Allowance	\$	31,648				
6	Difference - underspend / (overspend)	\$	(302)				
7	Deferral	\$	-				

The Company will continue to be afforded the flexibility to shift funds within the respective electric and gas ETIP portfolio of programs.

#### Notes (by line number)

- 1 Input Actual Costs
- 2 Per Case No. 15-M-0252; See Joint Proposal Section 13.2.1
- 3 Line 2 less Line 1
- 4 Sum Line 1 for Rate Years 1-3
- 5 Sum Line 2 for Rate Years 1-3
- 6 Line 5 less Line 4
- 7 If cumulative actual costs for Rate Years 1-3 are less than cumulative rate allowances for same period, then Deferral Credit to Customer will be equal to the cumulative amount underspent. If actual costs exceed the cumulative rate allowance for Rate Years 1-3, there will be no Deferral.

#### 'Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Gas Deferrals Available to Mitigate for Gas Rate Base Regulatory Assets & Liabilities (\$000's)

Deferral Account	Forecast Deferral Balance at 3/31/18 (in millions)	Staff Acctg Panel Adjustments	Adjusted Forecast Deferral Balance at 3/31/18 (in millions)	Percent	Credit Allocation		Rate Year Two Credit Allocation § 16.924	Rate Year Three Credit Allocation \$ 5.344	Forecast Deferral Balance at end of Rate Year 3 (in millions)
RRP Testimony Table 9 Gas Deferrals									
FIT Repair Cost	\$ (30.113	)	\$ (30.113)	40.36%		43	\$ 6.831	\$ 2.157	\$ (8.082)
Auction Debt True-Up – Gas	(19.762	)	(19.762)	26.49%	8.5	60	4.483	1.416	(5.304)
Gas Community Carrying Charges	(23.732	)	(23.732)	31.81%	10.2		5.384	1.700	(6.369)
Property Tax Expense	(11.973	,	(11.973)	16.05%	5.1		2.716	0.858	(3.213)
Pension Expense Deferred – Gas	12.668		12.668	-16.98%	(5.4	,	(2.874)	(0.907)	
OPEB Expense Deferred – Gas	4.224		4.224	-5.66%	(1.8		(0.958)	(0.303)	1.134
Site Investigation and Remediation Expense – Gas	(9.969	,	(9.969)	13.36%	4.3		2.261	0.714	(2.675)
Capital Tracker - Case 12-G-0202 (FY14-16)	(6.180		(6.180)	8.28%	2.6		1.402	0.443	(1.659)
Net Utility Plant and Depreciation Reconciliation Mechanism – Gas	22.958		22.958	-30.77%	(9.9	,	(5.208)	(1.644)	
Federal Tax Refund 1991-1995	(3.723	)	(3.723)	4.99%	1.6	13	0.845	0.267	(0.999)
Medicare Act Tax Benefit	3.231		3.231	-4.33%	(1.4	,	(0.733)	(0.231)	0.867
Joint Proposal Amortization	(2.896		(2.896)	3.88%	1.2		0.657	0.207	(0.777)
Gas Millennium Fund Deferral	0.453		0.453	-0.61%	(0.1		(0.103)	(0.032)	0.122
Miscellaneous Gas Penalties - Gas	(0.443	)	(0.443)	0.59%	0.1	92	0.100	0.032	(0.119)
Variable Pay – Gas	(0.431	)	(0.431)	0.58%	0.1	87	0.098	0.031	(0.116)
Gas Contingency Reserve	(0.407	)	(0.407)	0.55%	0.1	76	0.092	0.029	(0.109)
Bonus Depreciation – Gas – Case 15-M-0744	(1.313	)	(1.313)	1.76%	0.5	69	0.298	0.094	(0.352)
CSS Conversion Savings – Gas	(0.069	)	(0.069)	0.09%	0.0	30	0.016	0.005	(0.019)
KeySpan Merger Savings – Gas	(0.063	)	(0.063)	0.08%	0.0	27	0.014	0.005	(0.017)
Incentive Return on Retirement Funding	0.034		0.034	-0.05%	(0.0)	15)	(0.008)	(0.002)	0.009
Curtailment - Gas	(0.023	)	(0.023)	0.03%	0.0	10	0.005	0.002	(0.006)
Bonus Depreciation Adjustment - Gas	(0.022	)	(0.022)	0.03%	0.0	10	0.005	0.002	(0.006)
GRT Customer Refund	(0.015	)	(0.015)	0.02%	0.0	06	0.003	0.001	(0.004)
Loss on Sale of Building	-		-	0.00%			-	-	-
Oil to Gas Customer Conversion Program	1.387		1.387	-1.86%	(0.6	01)	(0.315)	(0.099)	0.372
Rate Case Expense - Gas	0.426	(0.426)	-	0.00%	-		-	-	0.426
Economic Development Fund Program - Gas	(8.090	)	(8.090)	10.84%	3.5	04	1.835	0.579	(2.171)
AffordAbility Program - Gas	(0.651	0.651	-	0.00%	-		-	-	(0.651)
NYS Sales Tax Refund - Gas	(0.336		(0.336)	0.45%	0.1	46	0.076	0.024	(0.090)
Gas Deferral Accounts Available to Mitigate Rate Increase	\$ (74.830	) \$ 0.225	\$ (74.605)	100%	\$ 32.3	15 5	\$ 16.924	\$ 5.344	\$ (20.247)

# APPENDIX 7

#### **APPENDIX 7: EARNINGS ADJUSTMENT MECHANISMS**

Niagara Mohawk will adopt Earnings Adjustment Mechanisms ("EAMs") as of January 1, 2018 for its electric and gas businesses. The EAMs will be measured on a calendar year ("CY") basis. There are four EAMs for electric, comprised of a total of eight metrics, and one EAM for gas, comprised of one metric. Each EAM metric contains targets that are set at minimum, midpoint, and maximum performance levels. If any of these performance levels are achieved in a calendar year, Niagara Mohawk can earn an annual pre-tax positive revenue adjustment. At the maximum level, Niagara Mohawk has the potential to earn positive revenue adjustments of \$19.49 million in CY 2018, \$22.22 million in CY 2019, and \$23.59 million in CY 2020 for its electric business. With respect to the gas business, Niagara Mohawk has the potential to earn positive revenue adjustments of \$0.80 million in CY 2018, \$0.86 million in CY 2019, and \$0.93 million in CY 2020 at the maximum performance level. The EAMs, targets, and positive revenue adjustments are described in the sections that follow.

# 1.0 ELECTRIC EAMS

#### 1.1 System Efficiency

The System Efficiency EAM is composed of two metrics: Peak Reduction and Distributed Energy Resources ("DER") Utilization.

### 1) Peak Reduction

The Peak Reduction EAM metric incentivizes Niagara Mohawk to reduce its New York Control Area ("NYCA") coincident peak. This metric will be calculated as the sum of:

- a. The weather-normalized demand on Niagara Mohawk's system during the NYCA peak hour, plus
- b. Any amounts actually curtailed from contracted resources enrolled in the New York Independent System Operator's ("NYISO") Installed Capacity Special Case Resource program during the NYCA peak hour.

#### 2) DER Utilization

The DER Utilization EAM metric incentivizes Niagara Mohawk to work with third parties to expand the use of DER resources in the Company's service territory. This metric will measure the sum of the annualized megawatt hours ("MWh") from incremental DER in Niagara Mohawk's service territory, including solar, combined heat and power, standalone storage resources, and fuel cells. The metric will not include demand response, electric vehicles, or heat pumps.

<sup>&</sup>lt;sup>1</sup> Demand response curtailments from Niagara Mohawk customers who are enrolled in the NYISO's Special Case Resource program will be added back to the Company's weather-normalized metered load to be consistent with the NYISO's process to determine installed capacity requirements.

The DER Utilization metric will be calculated as follows:

DER Utilization (MWh) =

Community and Rooftop Solar PV MWh annualized production

- + Combined heat and power ("CHP") MWh annualized production
- + Fuel cell MWh annualized production
- + Battery storage MWh annualized discharge
- + Battery storage MWh annualized charging

Annualized production will be calculated as follows:

Technology	Annualized MWh Calculation
Solar production	= MW installed * 13.4% capacity factor * hours/yr
CHP production	= MW installed * 85% capacity factor * hours/yr
Fuel cell production	= MW installed * 91% capacity factor * hours/yr
Battery Storage discharge (production)	= [Daily battery inverter discharge rating (MWh)] * [365 days per year]
Battery Storage charging (consumption)	[Daily battery inverter discharge rating (MWh)] * [365 days per year] / [83% round trip efficiency]

#### 1.2 Energy Efficiency

The Energy Efficiency EAM is composed of four metrics: Incremental Energy Efficiency, LED Street Light Conversions, Residential Energy Intensity, and Commercial Energy Intensity.

#### 1) Incremental Energy Efficiency

The Incremental Energy Efficiency EAM metric incentivizes Niagara Mohawk to achieve energy efficiency savings above its annual savings target of 263,877 MWh for calendar years 2018-2020, as set forth in the Company's Energy Efficiency Transition Implementation Plan ("ETIP") filed June 1, 2017 in Case 15-M-0252 ("June ETIP"). This metric will be measured as the annual sum of MWh savings from all of Niagara Mohawk's administered energy efficiency programs, including the ETIP² and E-Commerce Platform. As a precondition to earning this incentive, the Estimated Useful Life ("EUL")³ of the Company's ETIP portfolio must be at least 90 percent of its current EUL of 6.7 years. The Company must achieve its current EUL of 6.7

<sup>&</sup>lt;sup>2</sup> ETIP savings will be calculated consistent with the current standard practices described in the Company's June ETIP, with flexibility to commit savings in the sales pipeline.

<sup>&</sup>lt;sup>3</sup> The portfolio EUL will be calculated as the lifecycle MWh divided by the first-year MWh of energy efficiency measures implemented in the ETIP program within a given year.

years to earn the full incentive and will earn a prorated share of the incentive between 90 percent of 100 percent of the current EUL. In the event that the Commission requires changes to the energy efficiency programs contained in the Company's June ETIP, the Company will file a petition within 90 days of Commission approval of the changes to adjust the Incremental Energy Efficiency EAM metric performance levels and EUL threshold, as appropriate.

#### 2) LED Street Light Conversions

The LED Street Light Conversions EAM metric incentivizes Niagara Mohawk to increase the conversion of street lights to LED lighting. This metric will be calculated on the MWh saved as generally established using a percentage of street light conversions each year.

# 3) <u>Residential Energy Intensity</u>

The Residential Energy Intensity EAM metric incentivizes Niagara Mohawk to help reduce residential customers' total usage on a per customer basis. This metric will be measured as the year-over-year percentage change in kilowatt hours ("kWh") per customer for the residential customer class. The kWh per customer will be calculated as the weather-normalized annual kwh usage for the residential customer class divided by the 12-month average number of residential customers, adjusted to exclude the impacts of beneficial electrification such as new load from heat pumps and electric vehicles.

# 4) <u>Commercial Energy Intensity</u>

The Commercial Energy Intensity EAM metric incentivizes Niagara Mohawk to reduce commercial customers' total usage on a per customer basis. This metric will be measured on the year-over-year percentage change in MWh per customer for the commercial customer class. The MWh per customer will be calculated as the weather-normalized annual MWh usage for the commercial customer class divided by the 12-month average number of commercial customers, adjusted to exclude the impacts of beneficial electrification such as new load from heat pumps and electric vehicles.

#### 1.3 Interconnections

The Interconnections EAM is composed of one metric: Developer Satisfaction. The Developer Satisfaction EAM metric incentivizes Niagara Mohawk to improve the Distributed Generation ("DG") interconnection process and increase the satisfaction of developers who seek to interconnect DG projects above 50 kilowatts ("Kw") and up to 5 MW that have begun the DG interconnection process under the Commission's *Standardized Interconnection Requirements* ("SIR"). Targets for this metric will be developed in Case 16-M-0429.

<sup>&</sup>lt;sup>4</sup> For example, if the Company achieves its midpoint target and the EUL of the ETIP portfolio is 6.4 years, or 95 percent of the current EUL of 6.7 years, then the Company will earn 95 percent of the midpoint incentive level.

### 1.4 Environmentally Beneficial Electrification

The Environmentally Beneficial Electrification EAM metric incentivizes the Company to reduce carbon emissions by facilitating the penetration of electric vehicles and heat pumps in Niagara Mohawk's service territory. This metric will be measured as the lifetime metric tons of avoided carbon dioxide from incremental electric vehicles and heat pumps, as more fully described in Attachment A. The electric vehicles metric will measure incremental battery electric vehicles and plug-in hybrid electric vehicles registered in Niagara Mohawk's service territory as compared to those registered in a peer group of other utilities' service territories, as more fully described in Attachment A.<sup>5</sup> Incremental heat pumps will be measured by the number of rebates provided by the Company for air-source and ground source (geothermal) heat pumps.

#### 1.5 EAM Targets and Positive Revenue Adjustments

The annual electric EAM minimum, midpoint, and maximum targets and associated positive revenue adjustments are as follows:

Electric 1	FAMe		Incentive (\$m)			Target	
Metric (Unit)	LAIVIS	2018	2019	2020	2018	2019	2020
	Minimum	\$1.4	\$1.5	\$1.5	6801	6767	6734
Peak Reduction (MW)	Midpoint	\$2.1	\$2.2	\$2.3	6747	6671	6604
	Maximum	\$4.1	\$4.4	\$4.6	6712	6614	6524
DED Will	Minimum	\$0.5	\$0.5	\$0.6	191,416	210,929	238,290
DER Utilization (MWh)	Midpoint	\$1.0	\$1.1	\$1.2	250,104	277,823	322,096
(=== //	Maximum	\$2.1	\$2.2	\$2.3	283,302	314,300	365,079
In anomantal EE	Minimum	\$0.9	\$0.9	\$1.0	278,321	278,321	278,321
Incremental EE (MWh)	Midpoint	\$1.7	\$1.8	\$1.9	312,042	312,042	312,042
	Maximum	\$3.4	\$3.6	\$3.9	355,324	355,324	355,324
LED Street	Minimum	\$0.0	\$0.0	\$0.0	9,124	9,124	9,124
Lighting (MWh)	Midpoint	\$0.9	\$0.9	\$1.0	13,686	13,686	13,686
	Maximum	\$1.7	\$1.8	\$1.9	18,248	18,248	18,248
Energy Intensity	Minimum	\$0.3	\$0.4	\$0.4	0.80%	0.80%	0.80%
- Residential (%	Midpoint	\$1.0	\$1.1	\$1.2	1.00%	1.00%	1.00%
Δ in MWh/customer)	Maximum	\$2.4	\$2.9	\$3.1	1.22%	1.22%	1.22%

<sup>&</sup>lt;sup>5</sup> The peer group is comprised of non-National Grid zip codes in New York and Massachusetts within three standard deviations of Niagara Mohawk's average population and household income.

Energy Intensity	Minimum	\$0.3	\$0.4	\$0.4	0.86%	0.86%	0.86%
- Commercial (% Δ in	Midpoint	\$1.0	\$1.1	\$1.2	1.10%	1.10%	1.10%
MWh/customer)	Maximum	\$2.4	\$2.9	\$3.1	1.34%	1.34%	1.34%
Description	Minimum	\$0.3	\$0.4	\$0.4			
Developer Satisfaction	Midpoint	\$0.9	\$0.9	\$1.0		TBD	
	Maximum	\$1.7	\$1.8	\$1.9			
Beneficial	Minimum	\$0.3	\$0.5	\$0.6	13,533	15,355	17,756
Electrification (Lifetime MT	Midpoint	\$0.9	\$1.1	\$1.2	23,592	26,143	29,505
CO2)	Maximum	\$1.7	\$2.5	\$2.7	41,546	45,861	52,044
Total Electric EAM Incentive							
	Minimum	\$4.1	\$4.6	\$4.8			
Total	Midpoint	\$9.4	\$10.2	\$10.8			
	Maximum	\$19.5	\$22.2	\$23.6			

#### 2.0 GAS EAMS

#### 2.1 Incremental Energy Efficiency

The Incremental Energy Efficiency EAM incentivizes Niagara Mohawk to achieve energy efficiency savings above its annual savings target of 551,565 Dth for calendar years 2018-2020, as set forth in the Company's June ETIP. This EAM metric will be measured as the annual sum of Dth savings from all of Niagara Mohawk's administered energy efficiency programs, including the ETIP<sup>6</sup> and E-Commerce Platform. In the event that the Commission requires changes to the energy efficiency programs contained in the June ETIP, the Company will file a petition within 90 days of Commission approval of the changes to adjust the Incremental Energy Efficiency EAM performance levels and EUL threshold, as appropriate.

#### 2.2 EAM Targets and Positive Revenue Adjustments

The annual gas EAM minimum, midpoint, and maximum targets and associated positive revenue adjustments are as follows:

<sup>&</sup>lt;sup>6</sup> ETIP savings will be calculated consistent with the current standard practices described in the Company's June ETIP, with flexibility to commit savings in the sales pipeline.

Gas EAM			Incentive (\$m)			Target	
Metric (Unit)		2018	2019	2020	2018	2019	2020
Gas Energy Efficiency (dth)	Minimum	\$0.2	\$0.2	\$0.2	783,718	783,718	783,718
	Midpoint	\$0.4	\$0.4	\$0.5	943,934	943,934	943,934
	Maximum	\$0.8	\$0.9	\$0.9	1,195,900	1,195,900	1,195,900

# 3.0 EAM REPORTING REQUIREMENTS

The Company will file annual EAM reports with the Secretary no later than March 1 of each year setting forth the Company's performance relative to each EAM metric target, savings and benefits achieved, and calculations for incentives earned, including proration of any incentives related to metric achievement between the minimum, midpoint, and the maximum target levels, and explanations for any targets not achieved. The Company will also file with the Secretary quarterly reports no later than sixty days after the end of each calendar quarter to describe the Company's progress toward each EAM's metric target, the actions taken by the Company to achieve target performance, and a forecast of whether the Company expects to meets its annual EAM targets.

The Company will also file with the Secretary a mid-point review of its EAMs not later than March 1, 2019 in these proceedings. In its mid-point review filing, the Company will evaluate capacity factors of solar and combined heat and power, and, if necessary, propose to revise targets and calculations going forward. Any proposed revisions to targets are subject to Commission approval.

#### 4.0 RECOVERY OF EAM POSITIVE REVENUE ADJUSTMENTS

The Company will be permitted to recover earned EAM positive revenue adjustments through electric and gas surcharges beginning April 1, 2019, as set forth in Section 3.8 and Section 4.10 of the Joint Proposal.

### Environmentally Beneficial Electrification EAM

The Environmentally Beneficial Electrification EAM metric will be measured as the lifetime metric tons ("MT") of avoided carbon dioxide ("CO2") from incremental electric vehicles ("EVs") and heat pumps. Lifetime MT of CO2 will be calculated as the number of incremental units multiplied by the assumed avoided MT CO2 multiplied by the average technology life as agreed to below.

Electric vehicles: *Incremental EVs* \* 3.85 *MT CO2* \* 10 years
Air-source heat pumps ("ASHP): *Incremental ASHP* \* 3.5 *MT CO2* \* 15 years
Ground-source heat pumps ("GSHP"): *Incremental GSHP* \* 5 *MT CO2* \* 25 years

#### **EV Peer Group**

The EV component of the Environmentally Beneficial Electrification metric will be measured as the lifetime MT of avoided carbon dioxide from incremental electric vehicles registered in Niagara Mohawk's service territory as compared to those registered in the peer group described below. Electric vehicles are defined as battery electric vehicles ("BEVs)<sup>1</sup> and plug-in hybrid vehicles ("PHEVs"). Data will be obtained from the R.L. Polk Vehicles in Operation data source<sup>2</sup>.

Table 1: Cumulative EVs Registered in NMPC and Peer Group

Cumulative EVs registered	2010	2011	2012	2013	2014	2015	2016	2017 YTD
NMPC Actual	27	122	762	1,248	2,548	2,978	3,360	4,620
Peer Geography Actual	106	183	999	1,691	3,855	4,883	6,162	8,245

The peer group is comprised of non-National Grid zip codes in New York and Massachusetts that have customer bases that are within three standard deviations of Niagara Mohawk's average population and household income. EV adoption in Niagara Mohawk as a function of EV adoption in the peer group shows that, on average, electric vehicle adoption in Niagara Mohawk zip codes is approximately 55.7% of adoption in the peer group zip codes.

$$NMPC EVs = .557 PeerGroup EVs + 8.8$$

where NMPC EVs represents the annual incremental BEVs and PHEVs registered in Niagara Mohawk zip codes and PeerGroup EVs represents the annual incremental BEVs and PHEVs registered in peer group zip codes

Performance against the peer group will be measured as:

$$[NMPC\ EVs] - [Peer\ group\ EVs*55.7\%]$$

<sup>&</sup>lt;sup>1</sup> Excluding low speed vehicles such as golf carts

<sup>&</sup>lt;sup>2</sup> Or a comparable data source consistent with the data provided in Table 1 in the event that Polk is acquired or no longer produces EV registration data

# Peer Group

			1 cer Group				
				2016			
				Cumulative		Mea	
COLDIEN	CITY	OT A TE	ZID	EVs	Population		isehold
COUNTY	CITY	STATE	ZIP	Registered		Inco	
BRISTOL	Acushnet	MA	02743	2	8,786	\$	81,449
HAMPDEN	Agawam	MA	01001	16	14,504	\$	71,100
SUFFOLK	Allston	MA	02134	45	17,023	\$	60,776
HAMPSHIRE	Amherst	MA	01003	1	11,205	\$	84,224
MIDDLESEX	Arlington	MA	02474	84	22,343	\$	118,777
WORCESTER	Ashburnham	MA	01430	9	4,870	\$	101,726
MIDDLESEX	Ashby	MA	01431	1	2,692	\$	89,211
FRANKLIN	Ashfield	MA	01330	2	1,236	\$	86,944
BRISTOL	Assonet	MA	02702	4	3,638	\$	96,733
BRISTOL	Attleboro Falls	MA	02763	0	1,580	\$	114,361
WORCESTER	Baldwinville	MA	01436	0	3,075	\$	72,822
BARNSTABLE	Barnstable	MA	02630	1	1,816	\$	116,991
BRISTOL	Berkley	MA	02779	5	5,051	\$	101,848
BERKSHIRE	Berkshire	MA	01224	0	124	\$	42,630
FRANKLIN	Bernardston	MA	01337	0	2,143	\$	72,307
HAMPDEN	Blandford	MA	01008	1	1,020	\$	76,843
SUFFOLK	Boston	MA	02118	38	23,870	\$	113,305
SUFFOLK	Boston	MA	02119	5	21,121	\$	45,181
SUFFOLK	Boston	MA	02120	1	13,482	\$	50,771
SUFFOLK	Boston	MA	02122	6	20,089	\$	69,723
SUFFOLK	Boston	MA	02215	5	24,159	\$	63,275
SUFFOLK	Boston	MA	02113	0	6,976	\$	95,214
SUFFOLK	Boston	MA	02121	3	21,447	\$	42,605
SUFFOLK	Boston	MA	02163	0	2,246	\$	57,946
BARNSTABLE	Brewster	MA	02631	11	8,487	\$	88,166
FRANKLIN	Buckland	MA	01338	1	184	\$	86,013
MIDDLESEX	Burlington	MA	01803	30	20,918	\$	109,093
BARNSTABLE	· ·	MA	02532	9	10,205	\$	81,029
BARNSTABLE	•	MA	02542	0	585	\$	49,823
MIDDLESEX	Cambridge	MA	02140	48	15,799	\$	113,113
MIDDLESEX	Cambridge	MA	02141	15	-	\$	90,066
PLYMOUTH	Carver	MA	02330	3	9,395	\$	82,128
BARNSTABLE		MA	02534	4	819	\$	85,128
BARNSTABLE		MA	02632	11	8,674	\$	77,847
BARNSTABLE		MA	02633	3	3,341	\$	112,334
HAMPDEN	Chester	MA	01011	1	1,207	\$	74,925
HAMPSHIRE	Chesterfield	MA	01012	2	462	\$	74,791
HAMPDEN	Chicopee	MA	01020	20		\$	66,820
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HAMPDEN	Chicopee	MA	01022	2	2,581	\$ 59,961
HAMPDEN	Chicopee	MA	01013	9	18,087	\$ 50,463
FRANKLIN	Colrain	MA	01340	2	1,428	\$ 65,577
FRANKLIN	Conway	MA	01341	5	1,366	\$ 104,182
BARNSTABLE	Cotuit	MA	02635	8	2,942	\$ 93,729
HAMPSHIRE	Cummington	MA	01026	1	857	\$ 59,482
BERKSHIRE	Dalton	MA	01226	5	5,729	\$ 69,849
ESSEX	Danvers	MA	01923	47	22,038	\$ 95,324
NORFOLK	Dedham	MA	02026	34	20,723	\$ 109,399
FRANKLIN	Deerfield	MA	01342	3	1,304	\$ 117,725
BARNSTABLE	Dennis	MA	02638	3	2,994	\$ 86,484
BARNSTABLE	Dennis Port	MA	02639	1	2,310	\$ 61,579
BARNSTABLE	East Falmouth	MA	02536	17	16,360	\$ 81,447
BRISTOL	East Freetown	MA	02717	2	3,523	\$ 94,274
BERKSHIRE	East Otis	MA	01029	0	619	\$ 66,496
BARNSTABLE	East Sandwich	MA	02537	4	5,055	\$ 102,060
BRISTOL	East Taunton	MA	02718	2	5,427	\$ 87,730
WORCESTER	East Templeton	MA	01438	0	441	\$ 51,718
PLYMOUTH	East Wareham	MA	02538	0	2,463	\$ 59,433
BARNSTABLE	Eastham	MA	02642	3	4,447	\$ 81,656
DUKES	Edgartown	MA	02539	26	3,699	\$ 119,545
BRISTOL	Fairhaven	MA	02719	3	13,610	\$ 73,724
BARNSTABLE	Falmouth	MA	02540	17	7,344	\$ 94,122
HAMPDEN	Feeding Hills	MA	01030	15	9,164	\$ 80,197
BARNSTABLE	Forestdale	MA	02644	1	3,345	\$ 98,071
MIDDLESEX	Framingham	MA	01701	69	25,991	\$ 106,915
FRANKLIN	Gill	MA	01354	6	1,450	\$ 78,717
HAMPDEN	Granville	MA	01034	2	1,852	\$ 86,027
FRANKLIN	Greenfield	MA	01301	13	14,879	\$ 62,364
ESSEX	Groveland	MA	01834	2	5,555	\$ 108,081
HAMPSHIRE	Hadley	MA	01035	13	4,706	\$ 88,636
MIDDLESEX	Hanscom AFB	MA	01731	0	1,151	\$ 84,275
BARNSTABLE	Harwich	MA	02645	10	7,897	\$ 89,834
BARNSTABLE	Harwich Port	MA	02646	0	1,873	\$ 87,721
HAMPSHIRE	Hatfield	MA	01038	8	2,420	\$ 79,047
BERKSHIRE	Hinsdale	MA	01235	1	2,353	\$ 74,144
WORCESTER	Holden	MA	01520	6	11,843	\$ 114,492
MIDDLESEX	Hudson	MA	01749	25	16,122	\$ 93,401
PLYMOUTH	Hull	MA	02045	10	9,097	\$ 92,636
PLYMOUTH	Humarock	MA	02047	0	151	\$ 32,798
HAMPSHIRE	Huntington	MA	01050	3	1,949	\$ 67,737
BARNSTABLE	•	MA	02601	14	12,286	\$ 52,637
BARNSTABLE	•	MA	02647	0	113	\$ 109,725

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SUFFOLK	Hyde Park	MA	02136	12	24,590	\$	74,050
HAMPDEN	Indian Orchard	MA	01151	1	6,459	\$	42,941
ESSEX	Ipswich	MA	01938	21	11,223	\$	101,023
WORCESTER	Jefferson	MA	01522	4	2,515	\$	114,727
PLYMOUTH	Kingston	MA	02364	13	10,472	\$	96,756
FRANKLIN	Lake Pleasant	MA	01347	0	112	\$	37,783
PLYMOUTH	Lakeville	MA	02347	12	8,910	\$	106,776
BERKSHIRE	Lee	MA	01238	6	5,158	\$	80,573
BERKSHIRE	Lenox Dale	MA	01242	1	280	\$	58,804
FRANKLIN	Leverett	MA	01054	18	1,649	\$	104,930
HAMPDEN	Ludlow	MA	01056	13	17,807	\$	80,629
BRISTOL	Mansfield	MA	02048	24	17,863	\$	119,098
PLYMOUTH	Marshfield	MA	02050	15	20,461	\$	108,684
BARNSTABLE	Marstons Mills	MA	02648	9	5,409	\$	94,951
BARNSTABLE	Mashpee	MA	02649	7	11,915	\$	84,888
SUFFOLK	Mattapan	MA	02126	5	22,435	\$	55,382
PLYMOUTH	Mattapoisett	MA	02739	9	5,035	\$	116,750
MIDDLESEX	Maynard	MA	01754	23	8,415	\$	106,537
ESSEX	Merrimac	MA	01860	4	5,413	\$	93,381
PLYMOUTH	Middleboro	MA	02346	20	19,300	\$	90,213
HAMPSHIRE	Middlefield	MA	01243	1	338	\$	96,115
FRANKLIN	Millers Falls	MA	01349	2	948	\$	66,416
NORFOLK	Millis	MA	02054	10	6,361	\$	113,674
FRANKLIN	Montague	MA	01351	9	1,866	\$	80,231
BARNSTABLE	Monument Beach	MA	02553	1	237	\$	57,492
BRISTOL	New Bedford	MA	02745	5	20,496	\$	60,866
BRISTOL	New Bedford	MA	02744	1	8,993	\$	44,630
BRISTOL	New Bedford	MA	02746	2	11,224	\$	39,020
BARNSTABLE	North Chatham	MA	02650	2	1,179	\$	89,019
BRISTOL	North Dartmouth	MA	02747	15	20,316	\$	84,149
BARNSTABLE	North Falmouth	MA	02556	5	2,422	\$	109,556
BARNSTABLE	North Truro	MA	02652	1	755	\$	84,199
FRANKLIN	Northfield	MA	01360	5	2,455	\$	76,412
NORFOLK	Norwood	MA	02062	22	23,656	\$	99,336
DUKES	Oak Bluffs	MA	02557	4	3,617	\$	79,041
PLYMOUTH	Onset	MA	02558	1	1,230	\$	59,675
BARNSTABLE	Orleans	MA	02653	11	5,364	\$	86,617
BERKSHIRE	Otis	MA	01253	1	599	\$	80,339
FRANKLIN	Plainfield	MA	01070	0	500	\$	66,942
PLYMOUTH	Plympton	MA	02367	5	2,388	\$	99,919
BARNSTABLE	Pocasset	MA	02559	5	3,858	\$	86,320
BARNSTABLE	Provincetown	MA	02657	7	2,807	\$	68,027
BRISTOL	Raynham	MA	02767	11	10,982	\$	98,424

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PLYMOUTH	Rochester	MA	02770	3	4,086	\$ \$	nge 5 of 22 112,624
SUFFOLK	Roslindale	MA	02131	23	25,685	\$	84,496
HAMPDEN	Russell	MA	01071	0	1,082	\$	84,781
BARNSTABLE		MA	02561	0	439	\$	61,963
	Sagamore Beach	MA	02562	2	2,740	\$	90,432
BERKSHIRE	Sandisfield	MA	01255	0	742	\$	76,577
BARNSTABLE	Sandwich	MA	02563	14	8,279	\$	92,593
FRANKLIN	Shelburne Falls	MA	01370	5	3,485	\$	79,184
MIDDLESEX	Somerville	MA	02143	31	23,667	\$	85,249
BARNSTABLE	South Chatham	MA	02659	2	695	\$	87,611
BRISTOL	South Dartmouth	MA	02748	7	10,033	\$	98,282
FRANKLIN	South Deerfield	MA	01373	14	3,646	\$	76,948
BARNSTABLE	South Dennis	MA	02660	5	5,727	\$	70,224
BERKSHIRE	South Lee	MA	01260	0	382	\$	85,392
BARNSTABLE	South Wellfleet	MA	02663	0	113	\$	60,400
BARNSTABLE	South Yarmouth	MA	02664	3	8,160	\$	65,346
HAMPSHIRE	Southampton	MA	01073	9	4,985	\$	89,349
HAMPDEN	Southwick	MA	01077	8	7,867	\$	98,163
HAMPDEN	Springfield	MA	01103	3	2,112	\$	33,804
HAMPDEN	Springfield	MA	01108	5	19,948	\$	50,406
HAMPDEN	Springfield	MA	01109	2	23,400	\$	42,156
HAMPDEN	Springfield	MA	01118	9	11,579	\$	70,476
HAMPDEN	Springfield	MA	01119	6	10,745	\$	60,073
HAMPDEN	Springfield	MA	01104	4	18,250	\$	46,122
HAMPDEN	Springfield	MA	01107	1	8,201	\$	35,196
HAMPDEN	Springfield	MA	01128	1	2,190	\$	87,233
HAMPDEN	Springfield	MA	01129	5	5,948	\$	68,442
HAMPDEN	Springfield	MA	01105	0	8,814	\$	29,237
MIDDLESEX	Stoneham	MA	02180	28	18,379	\$	96,008
FRANKLIN	Sunderland	MA	01375	6	3,266	\$	77,469
WORCESTER	Templeton	MA	01468	4	3,279	\$	73,330
MIDDLESEX	Townsend	MA	01469	5	5,614	\$	96,722
BARNSTABLE	Truro	MA	02666	0	740	\$	66,806
FRANKLIN	Turners Falls	MA	01376	1	4,348	\$	55,829
BERKSHIRE	Tyringham	MA	01264	0	143	\$	116,968
DUKES	Vineyard Haven	MA	02568	32	3,340	\$	78,973
MIDDLESEX	Wakefield	MA	01880	20	21,193	\$	104,002
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WORCESTER	West Boylston	MA	01583	10	6,557	Pa \$	ge 6 of 22 92,488
HAMPSHIRE	West Chesterfield	MA	01084	0	145	\$	84,429
BARNSTABLE		MA	02670	0	1,251	\$	79,587
BARNSTABLE		MA	02671	1	804	\$	63,371
HAMPSHIRE	West Hatfield	MA	01088	1	462	\$	57,723
SUFFOLK	West Roxbury	MA	02132	29	23,247	\$	106,305
HAMPDEN	West Roxbury West Springfield	MA	01089	24	23,289	\$	67,740
DUKES	West Tisbury	MA	02575	3	2,194	\$	92,977
PLYMOUTH	West Wareham	MA	02576	4	3,840	\$	90,093
	West Yarmouth	MA	02673	1	7,132	\$	73,555
BRISTOL	Westport Point	MA	02791	0	177	\$	117,328
FRANKLIN	Whately	MA	01093	2	272	\$	103,292
MIDDLESEX	Wilmington	MA	01887	26	18,423	\$	114,629
BERKSHIRE	Windsor	MA	01337	0	656	\$	90,606
BARNSTABLE		MA	02543	4	712	\$	95,598
HAMPSHIRE	Worthington	MA	01098	0	1,000	\$	78,584
BARNSTABLE	· ·	MA	02675	1	5,711	\$	81,665
GREENE	Acra	NY	12405	1	614	\$	50,125
STEUBEN	Addison	NY	14801	1	4,387	\$	54,831
CHENANGO	Afton	NY	13730	1	2,443	\$	51,800
ALLEGANY	Alfred Station	NY	14803	1	749	\$	59,757
ALLEGANY	Almond	NY	14804	0	1,218	\$ \$	67,225
SCHUYLER	Alpine	NY	14805	0	814	\$	63,718
CLINTON	Altona	NY	12910	2	1,809	\$	66,437
DUTCHESS	Amenia	NY	12501	2	2,118	\$	93,040
SUFFOLK	Amityville	NY	11701	20	22,018	\$	83,672
COLUMBIA	Anntyvine Ancramdale	NY	12503	0	661	\$ \$	94,641
DELAWARE	Andes	NY	13731	1	889	\$	64,615
ALLEGANY	Angelica	NY	14709	0	1,166	\$	53,841
DUTCHESS	Annandale on Hudson	NY	12504	0	1,476	\$	65,454
TIOGA	Apalachin	NY	13732	5	6,303	\$	86,658
STEUBEN	Arkport	NY	14807	1	2,279	\$	55,937
DELAWARE	Arkville	NY	12406	1	725	\$	70,540
QUEENS	Arverne	NY	11692	9	14,336	\$	58,512
GREENE	Ashland	NY	12407	0	14,330	\$ \$	77,386
GREENE	Athens	NY	12407	3	2,393	\$ \$	70,250
STEUBEN	Atlanta	NY	14808	0	437	\$ \$	55,474
SILUDEN	Allania	111	14000	Û	43/	Ф	55,474

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Bainbridge

Barrytown

Baldwin

CHILDIAN	D '11	NIX7	12710	1	1 117		ige 7 of 22
SULLIVAN	Barryville	NY	12719	1	1,116	\$	82,949
TIOGA	Barton	NY	13734	0	1,939	\$	70,080
STEUBEN	Bath	NY	14810	5	10,164	\$	49,798
QUEENS	Bayside	NY	11360	14	16,576	\$	97,078
QUEENS	Bayside	NY	11361	19	25,317	\$	93,310
DUTCHESS	Beacon	NY	12508	18	16,436	\$	81,959
ULSTER	Bearsville	NY	12409	3	615	\$	99,169
CHEMUNG	Beaver Dams	NY	14812	0	2,622	\$	63,405
QUEENS	Bellerose	NY	11426	17	16,078	\$	90,998
YATES	Bellona	NY	14415	1	130	\$	56,661
SUFFOLK	Bellport	NY	11713	23	7,152	\$	89,542
ALLEGANY	Belmont	NY	14813	0	2,025	\$	52,566
BROOME	Berkshire	NY	13736	0	1,560	\$	63,052
RENSSELAER	Berlin	NY	12022	0	746	\$	64,406
SULLIVAN	Bethel	NY	12720	0	173	\$	82,941
NASSAU	Bethpage	NY	11714	37	18,921	\$	109,517
CHEMUNG	Big Flats	NY	14814	3	1,437	\$	73,421
ULSTER	Big Indian	NY	12410	1	477	\$	68,660
BROOME	Binghamton	NY	13901	9	15,437	\$	55,104
BROOME	Binghamton	NY	13903	11	15,355	\$	61,954
BROOME	Binghamton	NY	13904	8	7,693	\$	53,999
BROOME	Binghamton	NY	13905	17	23,679	\$	49,797
SULLIVAN	Bloomingburg	NY	12721	8	4,852	\$	71,218
ULSTER	Bloomington	NY	12411	0	392	\$	68,414
DELAWARE	Bloomville	NY	13739	0	723	\$	64,456
HAMILTON	Blue Mountain Lake	NY	12812	0	48	\$	55,758
SUFFOLK	Blue Point	NY	11715	11	3,552	\$	115,783
SUFFOLK	Bohemia	NY	11716	21	8,446	\$	92,804
ULSTER	Boiceville	NY	12412	1	430	\$	86,449
ERIE	Boston	NY	14025	3	2,322	\$	76,893
MADISON	Bouckville	NY	13310	1	467	\$	51,528
DELAWARE	Bovina Center	NY	13740	0	408	\$	75,588
ERIE	Bowmansville	NY	14026	1	523	\$	111,963
SCHUYLER	Bradford	NY	14815	0	874	\$	69,738
YATES	Branchport	NY	14418	4	1,178	\$	80,698
CHEMUNG	Breesport	NY	14816	0	361	\$	65,299
QUEENS	Breezy Point	NY	11697	3	3,035	\$	109,500
PUTNAM	Brewster	NY	10509	15	15,314	\$	117,307
ONEIDA	Bridgewater	NY	13313	0	377	\$	44,661
BRONX	Bronx	NY	10464	2	3,870	\$	90,671
BRONX	Bronx	NY	10471	22	18,261	\$	105,625
BRONX	Bronx	NY	10470	2	12,122	\$	70,509
BRONX	Bronx	NY	10474	1	9,368	\$	36,171
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MADISON	Brookfield	NY	13314	0	476	Pa \$	ge 8 of 22 61,068
KINGS	Brooklyn	NY	11232	1	23,508	\$	60,019
KINGS	Brooklyn	NY	11239	3	10,866	\$	34,840
TOMPKINS	Brooktondale	NY	14817	7	2,091	\$	66,872
WESTCHESTE		NY	10511	0	1,820	\$	112,668
SCHUYLER	Burdett	NY	14818	5	1,753	\$	61,709
SULLIVAN	Burlingham	NY	12722	0	238	\$	62,751
OTSEGO	Burlington Flats	NY	13315	1	1,126	\$	56,729
CLINTON	Cadyville	NY	12918	0	1,729	\$	68,877
GREENE	Cairo	NY	12413	0	2,331	\$	48,154
SULLIVAN	Callicoon	NY	12723	2	1,633	\$	62,182
SULLIVAN	Callicoon Center	NY	12724	1	257	\$	59,315
SUFFOLK	Calverton	NY	11933	28	5,374	\$	85,860
QUEENS	Cambria Heights	NY	11411	3	16,301	\$	93,447
STEUBEN	Cameron	NY	14819	0	602	\$	52,443
STEUBEN	Cameron Mills	NY	14820	1	594	\$	48,408
STEUBEN	Campbell	NY	14821	4	2,519	\$	62,909
ORANGE	Campbell Hall	NY	10916	7	3,359	\$	119,872
COLUMBIA	Canaan	NY	12029	2	929	\$	97,324
ONTARIO	Canandaigua	NY	14424	21	22,650	\$	72,268
ALLEGANY	Canaseraga	NY	14822	1	944	\$	43,261
TIOGA	Candor	NY	13743	2	2,807	\$	67,617
STEUBEN	Canisteo	NY	14823	2	2,879	\$	54,869
NASSAU	Carle Place	NY	11514	3	4,018	\$	118,835
PUTNAM	Carmel	NY	10512	18	20,082	\$	113,216
WYOMING	Castile	NY	14427	0	1,767	\$	61,276
BROOME	Castle Creek	NY	13744	0	962	\$	62,937
GREENE	Catskill	NY	12414	6	8,603	\$	62,979
CAYUGA	Cayuga	NY	13034	3	1,597	\$	76,330
CHEMUNG	Cayuta	NY	14824	0	435	\$	60,853
NASSAU	Cedarhurst	NY	11516	12	5,536	\$	118,179
CHAUTAUQU	A Celoron	NY	14720	0	586	\$	42,088
SUFFOLK	Center Moriches	NY	11934	25	6,262	\$	111,827
SUFFOLK	Centereach	NY	11720	74	23,633	\$	105,517
ERIE	Chaffee	NY	14030	0	1,355	\$	65,821
CLINTON	Champlain	NY	12919	6	2,348	\$	52,079
FRANKLIN	Chateaugay	NY	12920	2	2,305	\$	57,741
CLINTON	Chazy	NY	12921	5	1,998	\$	79,943
CHEMUNG	Chemung	NY	14825	0	747	\$	63,528
BROOME	Chenango Forks	NY	13746	2	1,740	\$	65,672
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CLINTON	Churubusco	NY	12923	0	535	\$ 1ge 9 of 22 56,059
ORANGE	Circleville	NY	10919	2	1,194	\$ 98,073
SULLIVAN	Claryville	NY	12725	0	160	\$ 69,646
ONTARIO	Clifton Springs	NY	14432	1	4,876	\$ 64,699
GREENE	Climax	NY	12042	0	179	\$ 56,232
DUTCHESS	Clinton Corners	NY	12514	9	2,722	\$ 117,905
ULSTER	Clintondale	NY	12515	4	1,282	\$ 74,146
WAYNE	Clyde	NY	14433	0	3,124	\$ 57,146
SULLIVAN	Cochecton	NY	12726	0	984	\$ 69,811
STEUBEN	Cohocton	NY	14826	1	1,773	\$ 56,160
ERIE	Colden	NY	14033	4	1,881	\$ 95,698
QUEENS	College Point	NY	11356	12	19,491	\$ 75,112
CATTARAUGI	U Conewango Valley	NY	14726	0	1,346	\$ 42,416
BROOME	Conklin	NY	13748	0	2,913	\$ 59,925
ULSTER	Connelly	NY	12417	0	633	\$ 57,654
STEUBEN	Coopers Plains	NY	14827	0	100	\$ 40,100
OTSEGO	Cooperstown	NY	13326	13	4,909	\$ 85,611
COLUMBIA	Copake	NY	12516	1	1,918	\$ 67,666
COLUMBIA	Copake Falls	NY	12517	1	555	\$ 77,647
SUFFOLK	Copiague	NY	11726	13	17,037	\$ 82,613
SUFFOLK	Coram	NY	11727	54	24,060	\$ 89,402
STEUBEN	Corning	NY	14830	29	16,052	\$ 74,722
ORANGE	Cornwall	NY	12518	6	4,399	\$ 96,843
ORANGE	Cornwall on Hudson	NY	12520	5	2,415	\$ 116,733
GREENE	Cornwallville	NY	12418	1	418	\$ 67,328
ULSTER	Cottekill	NY	12419	2	486	\$ 55,726
WYOMING	Cowlesville	NY	14037	1	781	\$ 64,016
GREENE	Coxsackie	NY	12051	3	5,797	\$ 81,524
ULSTER	Cragsmoor	NY	12420	0	401	\$ 87,346
WESTCHESTE	EF Crompond	NY	10517	2	526	\$ 111,566
ORANGE	Cuddebackville	NY	12729	3	1,621	\$ 81,062
SUFFOLK	Cutchogue	NY	11935	19	2,792	\$ 107,378
WYOMING	Dale	NY	14039	0	88	\$ 65,533
ALLEGANY	Dalton	NY	14836	0	876	\$ 67,867
CLINTON	Dannemora	NY	12929	0	3,696	\$ 52,379
DELAWARE	Davenport	NY	13750	0	777	\$ 44,082
DELAWARE	Davenport Center	NY	13751	1	156	\$ 44,790
CATTARAUGI	U Dayton	NY	14041	0	251	\$ 53,573
ONEIDA	Deansboro	NY	13328	0	1,131	\$ 69,322
SUFFOLK	Deer Park	NY	11729	41	22,009	\$ 98,880
DELAWARE	Delancey	NY	13752	0	583	\$ 87,411
DELAWARE	Denver	NY	12421	0	337	\$ 54,735
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DUTCHESS	Dover Plains	NY	12522	4	4,238	\$	66,621
DELAWARE	Downsville	NY	13755	0	1,053	\$	44,615
YATES	Dresden	NY	14441	0	354	\$	62,016
SCHUYLER	Dundee	NY	14837	2	4,316	\$	65,789
GREENE	Durham	NY	12422	0	323	\$	84,231
GREENE	Earlton	NY	12058	1	1,524	\$	72,412
MADISON	Earlville	NY	13332	2	1,817	\$	54,521
ERIE	East Aurora	NY	14052	24	13,534	\$	91,791
DELAWARE	East Branch	NY	13756	0	396	\$	56,411
COLUMBIA	East Chatham	NY	12060	1	1,084	\$	94,257
GREENE	East Durham	NY	12423	0	821	\$	62,718
GREENE	East Jewett	NY	12424	0	262	\$	55,658
SUFFOLK	East Marion	NY	11939	4	876	\$	90,271
DELAWARE	East Meredith	NY	13757	0	988	\$	67,999
SUFFOLK	East Moriches	NY	11940	12	4,499	\$	115,880
SUFFOLK	East Northport	NY	11731	53	23,469	\$	118,137
SUFFOLK	East Quogue	NY	11942	14	3,364	\$	113,924
MONROE	East Rochester	NY	14445	21	6,369	\$	56,800
NASSAU	East Rockaway	NY	11518	11	8,385	\$	119,213
SUFFOLK	Eastport	NY	11941	5	1,813	\$	106,482
MADISON	Eaton	NY	13334	1	1,046	\$	76,065
OTSEGO	Edmeston	NY	13335	1	1,297	\$	66,816
SULLIVAN	Eldred	NY	12732	1	628	\$	63,134
ESSEX	Elizabethtown	NY	12932	1	1,198	\$	58,373
GREENE	Elka Park	NY	12427	0	453	\$	82,492
CLINTON	Ellenburg Center	NY	12934	0	806	\$	52,931
CLINTON	Ellenburg Depot	NY	12935	2	1,345	\$	76,529
ULSTER	Ellenville	NY	12428	4	5,146	\$	59,789
CHAUTAUQU	AEllington	NY	14732	0	121	\$	52,487
ERIE	Elma	NY	14059	6	8,374	\$	89,154
CHEMUNG	Elmira	NY	14903	5	5,542	\$	68,397
CHEMUNG	Elmira	NY	14904	7	11,983	\$	47,555
CHEMUNG	Elmira	NY	14905	3	7,479	\$	95,435
CHEMUNG	Elmira	NY	14901	2	13,529	\$	40,473
WESTCHESTE	EI Elmsford	NY	10523	12	7,172	\$	106,451
CHEMUNG	Erin	NY	14838	2	1,627	\$	60,527
ULSTER	Esopus	NY	12429	1	143	\$	91,306
TOMPKINS	Etna	NY	13062	1	174	\$	55,388
CAYUGA	Fair Haven	NY	13064	0	20	\$	117,655
SULLIVAN	Fallsburg	NY	12733	0	1,257	\$	46,080
QUEENS	Far Rockaway	NY	11693	9	9,069	\$	64,300
ONTARIO	Farmington	NY	14425	9	8,540	\$	72,743
SUFFOLK	Farmingville	NY	11738	46	13,892	\$	110,357
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SULLIVAN	Ferndale	NY	12734	0	732	\$	67,893
DUTCHESS	Fishkill	NY	12524	7	13,585	\$	88,860
DELAWARE	Fleischmanns	NY	12430	1	876	\$	56,554
NASSAU	Floral Park	NY	11001	22	22,369	\$	119,387
QUEENS	Floral Park	NY	11005	1	1,947	\$	91,016
ORANGE	Florida	NY	10921	2	3,015	\$	96,896
OTSEGO	Fly Creek	NY	13337	1	513	\$	94,309
SULLIVAN	Forestburgh	NY	12777	1	741	\$	111,116
ORANGE	Fort Montgomery	NY	10922	2	1,214	\$	105,215
DELAWARE	Franklin	NY	13775	2	1,281	\$	55,400
NASSAU	Franklin Square	NY	11010	26	20,216	\$	106,238
GREENE	Freehold	NY	12431	5	1,154	\$	66,446
TOMPKINS	Freeville	NY	13068	9	4,828	\$	73,749
SULLIVAN	Fremont Center	NY	12736	0	150	\$	47,197
QUEENS	Fresh Meadows	NY	11366	9	10,791	\$	93,774
ULSTER	Gardiner	NY	12525	8	2,254	\$	97,491
ROCKLAND	Garnerville	NY	10923	6	6,783	\$	97,805
OTSEGO	Garrattsville	NY	13342	0	174	\$	72,737
ONTARIO	Geneva	NY	14456	10	16,567	\$	60,364
CAYUGA	Genoa	NY	13071	0	689	\$	63,711
OTSEGO	Gilbertsville	NY	13776	0	487	\$	64,286
SCHOHARIE	Gilboa	NY	12076	7	1,324	\$	64,802
ULSTER	Glasco	NY	12432	0	517	\$	65,090
BROOME	Glen Aubrey	NY	13777	1	348	\$	53,948
NASSAU	Glen Cove	NY	11542	27	22,553	\$	102,049
QUEENS	Glen Oaks	NY	11004	7	11,875	\$	99,830
SULLIVAN	Glen Spey	NY	12737	0	1,515	\$	72,323
DUTCHESS	Glenham	NY	12527	1	67	\$	89,946
ERIE	Glenwood	NY	14069	1	653	\$	58,429
ORANGE	Goshen	NY	10924	18	10,802	\$	111,640
SULLIVAN	Grahamsville	NY	12740	1	1,386	\$	71,257
DELAWARE	Grand Gorge	NY	12434	1	542	\$	39,537
CHENANGO	Greene	NY	13778	5	4,752	\$	64,799
ULSTER	Greenfield Park	NY	12435	1	298	\$	48,104
SUFFOLK	Greenlawn	NY	11740	20	7,159	\$	118,116
SUFFOLK	Greenport	NY	11944	12	3,621	\$	82,529
ALBANY	Greenville	NY	12083	4	3,081	\$	79,809
STEUBEN	Greenwood	NY	14839	0	577	\$	59,144
ORANGE	Greenwood Lake	NY	10925	6	3,525	\$	90,828
TOMPKINS	Groton	NY	13073	3	5,285	\$	68,689
CHENANGO	Guilford	NY	13780	1	902	\$	58,809
GREENE	Haines Falls	NY	12436	0	326	\$	71,579
DELAWARE	Halcottsville	NY	12438	0	63	\$	90,891
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DELAWARE	Hamden	NY	13782	1	556	\$ 56,575
MADISON	Hamilton	NY	13346	5	5,613	\$ 84,585
STEUBEN	Hammondsport	NY	14840	1	2,628	\$ 73,768
SUFFOLK	Hampton Bays	NY	11946	35	11,271	\$ 94,292
DELAWARE	Hancock	NY	13783	2	2,061	\$ 52,855
SULLIVAN	Hankins	NY	12741	0	227	\$ 47,182
ALBANY	Hannacroix	NY	12087	0	861	\$ 64,559
DELAWARE	Harpersfield	NY	13786	0	420	\$ 59,739
BROOME	Harpursville	NY	13787	0	2,980	\$ 53,130
ORANGE	Harriman	NY	10926	4	2,754	\$ 81,483
SULLIVAN	Harris	NY	12742	0	97	\$ 62,741
OTSEGO	Hartwick	NY	13348	0	990	\$ 63,737
SUFFOLK	Hauppauge	NY	11788	73	13,033	\$ 117,103
ROCKLAND	Haverstraw	NY	10927	9	9,522	\$ 80,163
SCHUYLER	Hector	NY	14841	2	670	\$ 82,370
GREENE	Hensonville	NY	12439	0	329	\$ 48,320
ULSTER	High Falls	NY	12440	6	1,985	\$ 68,737
ULSTER	Highland	NY	12528	12	10,459	\$ 79,512
ORANGE	Highland Falls	NY	10928	3	3,476	\$ 84,974
SULLIVAN	Highland Lake	NY	12743	0	222	\$ 68,390
ULSTER	Highmount	NY	12441	0	24	\$ 109,757
ROCKLAND	Hillburn	NY	10931	0	729	\$ 85,484
COLUMBIA	Hillsdale	NY	12529	5	2,263	\$ 97,278
YATES	Himrod	NY	14842	0	750	\$ 65,365
DELAWARE	Hobart	NY	13788	1	897	\$ 54,829
SUFFOLK	Holbrook	NY	11741	60	22,682	\$ 116,012
ERIE	Holland	NY	14080	5	3,621	\$ 73,090
QUEENS	Hollis	NY	11423	10	26,392	\$ 80,672
DUTCHESS	Holmes	NY	12531	4	3,066	\$ 119,770
SUFFOLK	Holtsville	NY	11742	46	10,498	\$ 105,948
DUTCHESS	Hopewell Junction	NY	12533	35	20,537	\$ 117,491
CHEMUNG	Horseheads	NY	14845	25	16,998	\$ 79,421
SULLIVAN	Hortonville	NY	12745	0	167	\$ 81,961
QUEENS	Howard Beach	NY	11414	10	23,866	\$ 88,917
MADISON	Hubbardsville	NY	13355	0	651	\$ 48,567
ORANGE	Huguenot	NY	12746	0	1,083	\$ 89,112
LIVINGSTON	Hunt	NY	14846	0	650	\$ 54,499
GREENE	Hunter	NY	12442	0	599	\$ 56,805
ULSTER	Hurley	NY	12443	5	3,063	\$ 97,598
SULLIVAN	Hurleyville	NY	12747	1	1,126	\$ 69,534
DUTCHESS	Hyde Park	NY	12538	10	11,885	\$ 82,174
SENECA	Interlaken	NY	14847	3	1,971	\$ 60,150
NASSAU	Inwood	NY	11096	5	6,312	\$ 61,307
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NASSAU	Island Park	NY	11558	13	7,073	\$ 94,824
SUFFOLK	Islandia	NY	11749	10	2,756	\$ 101,948
SUFFOLK	Islip	NY	11751	26	12,106	\$ 117,386
SUFFOLK	Islip Terrace	NY	11752	8	7,754	\$ 107,963
QUEENS	Jamaica	NY	11433	1	26,135	\$ 59,055
QUEENS	Jamaica	NY	11436	1	15,425	\$ 78,107
SUFFOLK	Jamesport	NY	11947	3	114	\$ 56,414
STEUBEN	Jasper	NY	14855	0	653	\$ 57,211
WYOMING	Java Center	NY	14082	0	317	\$ 53,608
ESSEX	Jay	NY	12941	1	1,252	\$ 69,450
WESTCHESTE	I Jefferson Valley	NY	10535	0	574	\$ 75,193
SULLIVAN	Jeffersonville	NY	12748	3	1,454	\$ 83,882
GREENE	Jewett	NY	12444	2	392	\$ 53,131
ORANGE	Johnson	NY	10933	0	614	\$ 90,375
BROOME	Johnson City	NY	13790	12	14,673	\$ 53,094
CAYUGA	Jordan	NY	13080	2	3,051	\$ 70,998
SULLIVAN	Kauneonga Lake	NY	12749	1	321	\$ 63,049
ESSEX	Keene	NY	12942	1	728	\$ 68,793
ESSEX	Keene Valley	NY	12943	1	158	\$ 51,998
ESSEX	Keeseville	NY	12944	4	3,531	\$ 60,776
CLINTON	Keeseville	NY	12924	0	108	\$ 45,514
SULLIVAN	Kenoza Lake	NY	12750	0	280	\$ 102,427
ULSTER	Kerhonkson	NY	12446	5	4,009	\$ 75,656
YATES	Keuka Park	NY	14478	6	1,364	\$ 86,671
QUEENS	Kew Gardens	NY	11415	5	15,731	\$ 80,334
SULLIVAN	Kiamesha Lake	NY	12751	1	701	\$ 53,435
BROOME	Killawog	NY	13794	0	22	\$ 75,942
CAYUGA	King Ferry	NY	13081	1	893	\$ 85,633
SUFFOLK	Kings Park	NY	11754	43	15,557	\$ 119,594
BROOME	Kirkwood	NY	13795	3	3,157	\$ 76,201
DUTCHESS	Lagrangeville	NY	12540	19	6,132	\$ 117,222
SUFFOLK	Lake Grove	NY	11755	27	9,982	\$ 113,728
ULSTER	Lake Hill	NY	12448	1	380	\$ 119,271
SULLIVAN	Lake Huntington	NY	12752	0	212	\$ 60,429
ULSTER	Lake Katrine	NY	12449	6	2,725	\$ 56,719
PUTNAM	Lake Peekskill	NY	10537	2	1,478	\$ 99,556
ESSEX	Lake Placid	NY	12946	2	4,458	\$ 70,618
ERIE	Lancaster	NY	14086	24	25,949	\$ 87,974
TOMPKINS	Lansing	NY	14882	7	3,167	\$ 105,046
OTSEGO	Laurens	NY	13796	1	1,171	\$ 58,625
GREENE	Leeds	NY	12451	0	1,368	\$ 68,460
LIVINGSTON	Leicester	NY	14481	0	1,512	\$ 56,261
MADISON	Leonardsville	NY	13364	0	77	\$ 50,249
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ESSEX	Lewis	NY	12950	0	820	\$ 55,407
GREENE	Lexington	NY	12452	0	147	\$ 40,350
SULLIVAN	Liberty	NY	12754	0	5,357	\$ 58,911
STEUBEN	Lindley	NY	14858	0	1,312	\$ 62,064
BROOME	Lisle	NY	13797	4	1,631	\$ 59,189
ALLEGANY	Little Genesee	NY	14754	0	486	\$ 46,838
QUEENS	Little Neck	NY	11362	22	15,405	\$ 99,502
SULLIVAN	Livingston Manor	NY	12758	0	3,746	\$ 71,819
SULLIVAN	Loch Sheldrake	NY	12759	0	1,348	\$ 36,156
CAYUGA	Locke	NY	13092	1	2,102	\$ 66,025
TIOGA	Lockwood	NY	14859	1	731	\$ 59,430
SENECA	Lodi	NY	14860	2	1,009	\$ 61,829
DELAWARE	Long Eddy	NY	12760	1	399	\$ 63,769
QUEENS	Long Island City	NY	11101	89	22,183	\$ 77,677
CHEMUNG	Lowman	NY	14861	1	1,120	\$ 62,472
NASSAU	Lynbrook	NY	11563	22	18,835	\$ 108,933
CLINTON	Lyon Mountain	NY	12952	0	459	\$ 48,969
CLINTON	Lyon Mountain	NY	12955	0	371	\$ 67,577
WAYNE	Lyons	NY	14489	6	5,971	\$ 52,720
WAYNE	Macedon	NY	14502	13	8,455	\$ 81,898
<b>PUTNAM</b>	Mahopac	NY	10541	29	21,819	\$ 119,542
BROOME	Maine	NY	13802	0	401	\$ 79,609
ULSTER	Malden on Hudson	NY	12453	0	179	\$ 64,398
ONTARIO	Manchester	NY	14504	2	1,426	\$ 55,264
SUFFOLK	Manorville	NY	11949	60	11,379	\$ 112,353
GREENE	Maplecrest	NY	12454	0	232	\$ 64,234
DELAWARE	Margaretville	NY	12455	2	1,945	\$ 49,727
ERIE	Marilla	NY	14102	2	1,067	\$ 89,402
WAYNE	Marion	NY	14505	5	4,112	\$ 67,259
ORANGE	Marlboro	NY	12542	1	4,563	\$ 77,056
DELAWARE	Masonville	NY	13804	1	436	\$ 61,633
QUEENS	Maspeth	NY	11378	38	26,023	\$ 74,249
SUFFOLK	Mastic	NY	11950	22	12,768	\$ 78,660
SUFFOLK	Mastic Beach	NY	11951	19	10,350	\$ 74,095
SUFFOLK	Mattituck	NY	11952	25	3,664	\$ 103,499
ORANGE	Maybrook	NY	12543	1	2,645	\$ 75,040
CHENANGO	Mc Donough	NY	13801	0	1,006	\$ 50,312
SUFFOLK	Medford	NY	11763	85	24,198	\$ 95,896
ALBANY	Medusa	NY	12120	3	484	\$ 77,063
MONROE	Mendon	NY	14506	2	1,028	\$ 109,055
DELAWARE	Meridale	NY	13806	1	181	\$ 67,485
WASHINGTON	N Middle Granville	NY	12849	0	549	\$ 79,731
SUFFOLK	Middle Island	NY	11953	38	10,390	\$ 80,561

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YATES	Middlesex	NY	14507	1	1,084	\$	61,914
ORANGE	Middletown	NY	10941	8	10,569	\$	79,025
OTSEGO	Milford	NY	13807	0	980	\$	75,114
DUTCHESS	Millbrook	NY	12545	3	3,903	\$	94,285
DUTCHESS	Millerton	NY	12546	5	2,470	\$	76,122
CHEMUNG	Millport	NY	14864	1	1,029	\$	67,105
ULSTER	Milton	NY	12547	1	2,578	\$	86,128
NASSAU	Mineola	NY	11501	20	15,986	\$	104,018
ULSTER	Modena	NY	12548	1	1,224	\$	62,617
WESTCHESTE	EF Mohegan Lake	NY	10547	6	5,708	\$	106,680
SULLIVAN	Mongaup Valley	NY	12762	0	238	\$	56,093
ROCKLAND	Monsey	NY	10952	36	24,610	\$	79,502
SUFFOLK	Montauk	NY	11954	7	3,200	\$	93,491
CAYUGA	Montezuma	NY	13117	0	230	\$	58,992
ORANGE	Montgomery	NY	12549	15	8,444	\$	102,677
SULLIVAN	Monticello	NY	12701	1	9,009	\$	49,859
SCHUYLER	Montour Falls	NY	14865	3	2,269	\$	48,436
WESTCHESTE	El Montrose	NY	10548	4	2,606	\$	106,955
CLINTON	Mooers	NY	12958	2	1,565	\$	48,851
CLINTON	Mooers Forks	NY	12959	0	1,215	\$	62,228
SUFFOLK	Moriches	NY	11955	9	2,690	\$	81,713
OTSEGO	Morris	NY	13808	1	1,305	\$	59,973
CLINTON	Morrisonville	NY	12962	3	4,545	\$	81,459
ULSTER	Mount Marion	NY	12456	0	517	\$	57,216
ULSTER	Mount Tremper	NY	12457	2	802	\$	65,222
OTSEGO	Mount Upton	NY	13809	1	1,515	\$	59,199
WESTCHESTE	EF Mount Vernon	NY	10552	17	16,642	\$	92,459
WESTCHESTE	El Mount Vernon	NY	10553	1	8,635	\$	76,480
OTSEGO	Mount Vision	NY	13810	1	950	\$	47,557
SULLIVAN	Mountain Dale	NY	12763	1	577	\$	62,367
ORANGE	Mountainville	NY	10953	2	94	\$	114,150
ROCKLAND	Nanuet	NY	10954	22	19,616	\$	109,321
ULSTER	Napanoch	NY	12458	2	2,687	\$	58,712
STEUBEN	Naples	NY	14512	6	3,907	\$	65,274
SULLIVAN	Narrowsburg	NY	12764	1	1,505	\$	73,075
SULLIVAN	Neversink	NY	12765	0	926	\$	83,069
GREENE	New Baltimore	NY	12124	1	555	\$	109,666
CHENANGO	New Berlin	NY	13411	0	2,884	\$	51,188
ORANGE	New Hampton	NY	10958	3	2,496	\$	98,481
DELAWARE	New Kingston	NY	12459	1	151	\$	60,026
COLUMBIA	New Lebanon	NY	12125	1	1,297	\$	68,078
OTSEGO	New Lisbon	NY	13415	0	54	\$	50,663
ULSTER	New Paltz	NY	12561	37	16,442	\$	87,150
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WESTCHESTE	F New Rochelle	NY	10805	12	15,766	Pag \$	e 16 of 22 76,844
SUFFOLK	New Suffolk	NY	11956	1	304	\$	89,750
ORANGE	New Windsor	NY	12553	22	20,964	\$	88,916
NEW YORK	New York	NY	10030	4	24,086	\$	53,229
NEW YORK	New York	NY	10036	12	24,503	\$	115,834
NEW YORK	New York	NY	10037	2	15,041	\$	50,691
NEW YORK	New York	NY	10039	1	20,716	\$	52,332
NEW YORK	New York	NY	10044	1	10,615	\$	116,875
WAYNE	Newark	NY	14513	6	11,369	\$	49,935
TIOGA	Newark Valley	NY	13811	4	3,661	\$	79,796
ESSEX	Newcomb	NY	12852	0	406	\$	54,603
TOMPKINS	Newfield	NY	14867	4	4,772	\$	57,075
TIOGA	Nichols	NY	13812	0	1,940	\$	58,372
BROOME	Nineveh	NY	13813	2	479	\$	51,421
SUFFOLK	North Babylon	NY	11703	21	13,078	\$	97,439
SULLIVAN	North Branch	NY	12766	0	445	\$	81,873
MADISON	North Brookfield	NY	13418	0	236	\$	71,631
MONROE	North Chili	NY	14514	4	5,174	\$	75,240
WAYNE	North Rose	NY	14516	1	2,114	\$	77,146
CHENANGO	Norwich	NY	13815	7	11,066	\$	55,982
LIVINGSTON	Nunda	NY	14517	0	2,336	\$	50,904
ROCKLAND	Nyack	NY	10960	39	12,422	\$	112,055
GREENE	Oak Hill	NY	12460	0	191	\$	62,367
SUFFOLK	Oakdale	NY	11769	13	7,158	\$	105,568
SULLIVAN	Obernburg	NY	12767	0	31	\$	115,756
NASSAU	Oceanside	NY	11572	35	23,912	\$	113,474
SCHUYLER	Odessa	NY	14869	0	1,036	\$	59,411
ULSTER	Olivebridge	NY	12461	6	1,520	\$	87,361
DELAWARE	Oneonta	NY	13820	6	19,892	\$	59,696
WAYNE	Ontario	NY	14519	15	9,339	\$	70,721
ROCKLAND	Orangeburg	NY	10962	14	4,797	\$	111,813
SUFFOLK	Orient	NY	11957	3	685	\$	95,914
MADISON	Oriskany Falls	NY	13425	0	1,804	\$	69,530
WESTCHESTE	I Ossining	NY	10562	34	25,534	\$	102,513
OTSEGO	Otego	NY	13825	3	2,992	\$	59,359
ORANGE	Otisville	NY	10963	3	3,747	\$	83,284
SENECA	Ovid	NY	14521	3	1,963	\$	60,888
TIOGA	Owego	NY	13827	11	9,998	\$	72,107
CHENANGO	Oxford	NY	13830	3	4,332	\$	56,688
QUEENS	Ozone Park	NY	11416	3	20,729	\$	72,849
QUEENS	Ozone Park	NY	11417	6	26,102	\$	79,020
STEUBEN	Painted Post	NY	14870	10	8,109	\$	81,158
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WAYNE	Palmyra	NY	14522	2	7,713	\$	59,075
SULLIVAN	Parksville	NY	12768	0	621	\$	65,381
PUTNAM	Patterson	NY	12563	9	6,984	\$	90,936
DUTCHESS	Pawling	NY	12564	5	5,741	\$	104,812
ROCKLAND	Pearl River	NY	10965	17	12,156	\$	113,464
WESTCHESTE		NY	10566	21	19,251	\$	76,305
MONROE	Penfield	NY	14526	25	16,290	\$	101,876
YATES	Penn Yan	NY	14527	8	10,011	\$	62,593
STEUBEN	Perkinsville	NY	14529	0	183	\$	81,523
CLINTON	Peru	NY	12972	7	4,963	\$	85,191
MADISON	Peterboro	NY	13134	0	83	\$	52,443
ONTARIO	Phelps	NY	14532	1	3,673	\$	67,574
SULLIVAN	Phillipsport	NY	12769	0	111	\$	61,854
COLUMBIA	Philmont	NY	12565	1	1,093	\$	60,569
ULSTER	Phoenicia	NY	12464	0	710	\$	64,009
WYOMING	Pike	NY	14130	0	123	\$	50,746
ORANGE	Pine Bush	NY	12566	8	7,897	\$	91,844
CHEMUNG	Pine City	NY	14871	3	4,639	\$	69,404
ULSTER	Pine Hill	NY	12465	0	175	\$	80,618
DUTCHESS	Pine Plains	NY	12567	4	2,592	\$	93,673
CHEMUNG	Pine Valley	NY	14872	0	564	\$	63,636
CLINTON	Plattsburgh	NY	12903	5	1,020	\$	59,685
DUTCHESS	Pleasant Valley	NY	12569	11	8,301	\$	90,542
CHENANGO	Plymouth	NY	13832	0	620	\$	42,803
ROCKLAND	Pomona	NY	10970	14	7,960	\$	99,088
SULLIVAN	Pond Eddy	NY	12770	0	165	\$	63,382
CAYUGA	Port Byron	NY	13140	4	3,563	\$	56,066
BROOME	Port Crane	NY	13833	0	3,706	\$	59,941
ULSTER	Port Ewen	NY	12466	3	1,884	\$	80,594
ONTARIO	Port Gibson	NY	14537	0	135	\$	93,966
SUFFOLK	Port Jefferson Station	NY	11776	55	20,609	\$	105,650
ORANGE	Port Jervis	NY	12771	8	11,412	\$	64,175
ESSEX	Port Kent	NY	12975	1	303	\$	78,114
WYOMING	Portageville	NY	14536	0	435	\$	48,690
STEUBEN	Prattsburgh	NY	14873	0	2,219	\$	54,940
GREENE	Prattsville	NY	12468	0	950	\$	53,753
STEUBEN	Pulteney	NY	14874	0	195	\$	45,347
WESTCHESTE	•	NY	10578	1	591	\$	112,044
GREENE	Purling	NY	12470	0	440	\$	54,173
QUEENS	Queens Village	NY	11427	9	19,691	\$	83,020
QUEENS	Queens Village	NY	11428	4	16,564	\$	75,806
QUEENS	Queens Village	NY	11429	4	21,884	\$	82,902
CAYUGA	Red Creek	NY	13143	0	2,335	\$	51,836
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CLINTON	Redford	NY	12978	0	201	\$ 52,141
SUFFOLK	Remsenburg	NY	11960	8	569	\$ 104,623
ALBANY	Rensselaerville	NY	12147	0	377	\$ 74,037
STEUBEN	Rexville	NY	14877	1	366	\$ 62,732
DUTCHESS	Rhinebeck	NY	12572	20	7,874	\$ 108,746
DUTCHESS	Rhinecliff	NY	12574	1	162	\$ 92,708
HERKIMER	Richfield Springs	NY	13439	0	3,154	\$ 55,721
TIOGA	Richford	NY	13835	1	1,075	\$ 60,670
SUFFOLK	Ridge	NY	11961	35	10,235	\$ 76,035
ULSTER	Rifton	NY	12471	0	374	\$ 46,540
SUFFOLK	Riverhead	NY	11901	53	25,825	\$ 74,287
MONROE	Rochester	NY	14604	5	1,617	\$ 25,298
MONROE	Rochester	NY	14606	23	22,282	\$ 49,190
MONROE	Rochester	NY	14607	18	15,587	\$ 57,494
MONROE	Rochester	NY	14608	5	9,227	\$ 31,184
MONROE	Rochester	NY	14610	41	11,829	\$ 86,049
MONROE	Rochester	NY	14611	5	12,666	\$ 33,511
MONROE	Rochester	NY	14613	9	9,358	\$ 39,373
MONROE	Rochester	NY	14615	59	12,892	\$ 45,973
MONROE	Rochester	NY	14616	20	23,639	\$ 57,627
MONROE	Rochester	NY	14617	37	18,520	\$ 75,160
MONROE	Rochester	NY	14619	9	10,943	\$ 53,138
MONROE	Rochester	NY	14622	8	10,225	\$ 61,465
MONROE	Rochester	NY	14625	26	8,401	\$ 99,226
MONROE	Rochester	NY	14626	35	25,014	\$ 68,382
MONROE	Rochester	NY	14605	2	9,151	\$ 28,895
MONROE	Rochester	NY	14614	0	1,165	\$ 29,385
MONROE	Rochester	NY	14621	4	26,179	\$ 33,967
SULLIVAN	Rock Hill	NY	12775	5	2,023	\$ 99,945
SCHUYLER	Rock Stream	NY	14878	1	496	\$ 85,291
QUEENS	Rockaway Park	NY	11694	15	16,899	\$ 100,077
SUFFOLK	Rocky Point	NY	11778	33	9,463	\$ 100,827
SENECA	Romulus	NY	14541	2	3,649	\$ 68,443
NASSAU	Roosevelt	NY	11575	5	12,429	\$ 79,235
SULLIVAN	Roscoe	NY	12776	2	1,746	\$ 71,257
WAYNE	Rose	NY	14542	0	45	\$ 53,860
QUEENS	Rosedale	NY	11422	6	26,146	\$ 92,702
ULSTER	Rosendale	NY	12472	0	1,358	\$ 64,513
GREENE	Round Top	NY	12473	2	949	\$ 101,493
CLINTON	Rouses Point	NY	12979	1	1,923	\$ 74,150
DELAWARE	Roxbury	NY	12474	1	1,059	\$ 53,013
ULSTER	Ruby	NY	12475	1	190	\$ 54,160
ALLEGANY	Rushford	NY	14777	0	536	\$ 52,026

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YATES	Rushville	NY	14544	1	1,841	\$ 69,036
ORANGE	Salisbury Mills	NY	12577	1	1,097	\$ 103,719
DUTCHESS	Salt Point	NY	12578	5	1,950	\$ 99,928
ERIE	Sardinia	NY	14134	0	87	\$ 84,919
ULSTER	Saugerties	NY	12477	28	15,825	\$ 77,607
WAYNE	Savannah	NY	13146	0	1,614	\$ 51,789
STEUBEN	Savona	NY	14879	3	1,737	\$ 57,372
CLINTON	Schuyler Falls	NY	12985	1	1,020	\$ 56,994
CAYUGA	Scipio Center	NY	13147	0	1,062	\$ 88,228
SUFFOLK	Selden	NY	11784	51	20,897	\$ 93,273
SENECA	Seneca Falls	NY	13148	7	8,783	\$ 61,948
GREENE	Shandaken	NY	12480	0	778	\$ 62,197
CHENANGO	Sherburne	NY	13460	2	3,353	\$ 54,871
SUFFOLK	Shirley	NY	11967	24	21,136	\$ 88,970
ULSTER	Shokan	NY	12481	4	1,208	\$ 68,360
ONTARIO	Shortsville	NY	14548	1	3,080	\$ 64,409
WESTCHESTE	I Shrub Oak	NY	10588	2	2,357	\$ 90,726
DELAWARE	Sidney	NY	13838	1	3,770	\$ 48,069
DELAWARE	Sidney Center	NY	13839	4	930	\$ 45,510
WYOMING	Silver Lake	NY	14549	0	19	\$ 48,193
WYOMING	Silver Springs	NY	14550	0	1,463	\$ 85,986
ORANGE	Slate Hill	NY	10973	3	2,090	\$ 100,620
TOMPKINS	Slaterville Springs	NY	14881	1	278	\$ 74,216
ROCKLAND	Sloatsburg	NY	10974	0	2,574	\$ 107,686
SULLIVAN	Smallwood	NY	12778	0	277	\$ 85,548
CHENANGO	Smithville Flats	NY	13841	1	521	\$ 50,725
CHENANGO	Smyrna	NY	13464	2	1,036	\$ 54,694
WAYNE	Sodus	NY	14551	4	4,648	\$ 54,395
WAYNE	Sodus Point	NY	14555	2	889	\$ 66,719
SUFFOLK	Sound Beach	NY	11789	14	6,227	\$ 101,588
GREENE	South Cairo	NY	12482	0	581	\$ 45,122
SULLIVAN	South Fallsburg	NY	12779	4	1,559	\$ 46,927
DELAWARE	South Kortright	NY	13842	0	527	\$ 73,491
OTSEGO	South New Berlin	NY	13843	2	1,591	\$ 56,051
CHENANGO	South Plymouth	NY	13844	1	554	\$ 51,325
ERIE	South Wales	NY	14139	1	1,867	\$ 75,961
ROCKLAND	Sparkill	NY	10976	1	1,964	\$ 86,696
ORANGE	Sparrow Bush	NY	12780	1	1,611	\$ 45,075
TOMPKINS	Spencer	NY	14883	5	3,176	\$ 63,245
COLUMBIA	Spencertown	NY	12165	0	126	\$ 95,192
ULSTER	Spring Glen	NY	12483	0	284	\$ 48,983
OTSEGO	Springfield Center	NY	13468	1	298	\$ 66,780
DUTCHESS	Staatsburg	NY	12580	11	3,753	\$ 99,685
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DUTCHESS	Stanfordville	NY	12581	3	1,655	\$	113,376
ONTARIO	Stanley	NY	14561	0	2,401	\$	81,197
RICHMOND	Staten Island	NY	10302	9	14,013	\$	70,739
RICHMOND	Staten Island	NY	10303	8	18,438	\$	62,834
RICHMOND	Staten Island	NY	10307	12	11,690	\$	96,729
RICHMOND	Staten Island	NY	10308	15	24,981	\$	98,769
RICHMOND	Staten Island	NY	10309	31	26,092	\$	109,210
RICHMOND	Staten Island	NY	10310	10	18,670	\$	84,186
RENSSELAER	1	NY	12168	1	1,578	\$	71,752
ORANGE	Sterling Forest	NY	10979	0	234	\$	59,260
ULSTER	Stone Ridge	NY	12484	4	2,390	\$	83,435
ROCKLAND	Stony Point	NY	10980	12	11,286	\$	115,301
DUTCHESS	Stormville	NY	12582	7	4,994	\$	106,865
WYOMING	Strykersville	NY	14145	1	1,413	\$	64,389
ROCKLAND	Suffern	NY	10901	31	18,788	\$	119,279
SULLIVAN	Summitville	NY	12781	0	181	\$	51,038
QUEENS	Sunnyside	NY	11104	4	22,835	\$	70,828
GREENE	Surprise	NY	12176	0	374	\$	72,061
ALLEGANY	Swain	NY	14884	0	163	\$	58,506
SULLIVAN	Swan Lake	NY	12783	1	1,995	\$	69,608
GREENE	Tannersville	NY	12485	0	878	\$	62,062
ULSTER	Tillson	NY	12486	0	1,120	\$	90,791
DELAWARE	Treadwell	NY	13846	1	220	\$	54,195
STEUBEN	Troupsburg	NY	14885	0	673	\$	53,940
SCHUYLER	Trumansburg	NY	14886	18	5,972	\$	77,819
ULSTER	Ulster Park	NY	12487	6	2,849	\$	85,527
DELAWARE	Unadilla	NY	13849	2	3,133	\$	57,969
CAYUGA	Union Springs	NY	13160	0	1,742	\$	70,403
NASSAU	Uniondale	NY	11553	9	20,678	\$	88,451
ORANGE	Unionville	NY	10988	0	601	\$	86,298
ESSEX	Upper Jay	NY	12987	0	229	\$	47,394
ROCKLAND	Valley Cottage	NY	10989	18	8,033	\$	116,982
CHEMUNG	Van Etten	NY	14889	1	1,319	\$	61,359
WESTCHESTE	I Verplanck	NY	10596	0	1,280	\$	68,625
BROOME	Vestal	NY	13850	16	18,479	\$	79,395
SUFFOLK	Wainscott	NY	11975	8	342	\$	107,635
ORANGE	Walden	NY	12586	5	10,192	\$	83,164
ERIE	Wales Center	NY	14169	0	189	\$	43,847
ORANGE	Wallkill	NY	12589	11	14,989	\$	92,062
DELAWARE	Walton	NY	13856	5	4,991	\$	48,491
WAYNE	Walworth	NY	14568	3	4,652	\$	83,119
ORANGE	Warwick	NY	10990	41	15,852	\$	118,403
ORANGE	Washingtonville	NY	10992	11	7,426	\$	100,547
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DUTCHESS	Wassaic	NY	12592	3	1,081	\$ 73,013
SENECA	Waterloo	NY	13165	2	8,474	\$ 59,762
JEFFERSON	Watertown	NY	13603	2	6,704	\$ 51,826
ONEIDA	Waterville	NY	13480	1	2,864	\$ 56,813
SCHUYLER	Watkins Glen	NY	14891	3	3,637	\$ 55,671
TIOGA	Waverly	NY	14892	5	6,581	\$ 62,662
ULSTER	Wawarsing	NY	12489	1	1,042	\$ 63,132
STEUBEN	Wayland	NY	14572	3	4,065	\$ 52,371
CAYUGA	Weedsport	NY	13166	3	4,546	\$ 64,928
OTSEGO	Wells Bridge	NY	13859	0	195	\$ 50,718
CHEMUNG	Wellsburg	NY	14894	0	1,104	\$ 49,612
CLINTON	West Chazy	NY	12992	1	4,133	\$ 59,648
GREENE	West Coxsackie	NY	12192	4	1,511	\$ 85,863
MADISON	West Eaton	NY	13484	0	105	\$ 78,033
MADISON	West Edmeston	NY	13485	0	859	\$ 50,577
ERIE	West Falls	NY	14170	2	2,069	\$ 73,778
ROCKLAND	West Haverstraw	NY	10993	1	3,952	\$ 80,309
NASSAU	West Hempstead	NY	11552	27	19,100	\$ 117,036
ULSTER	West Hurley	NY	12491	2	1,407	\$ 71,684
GREENE	West Kill	NY	12492	0	311	\$ 57,137
COLUMBIA	West Lebanon	NY	12195	0	157	\$ 51,013
OTSEGO	West Oneonta	NY	13861	0	309	\$ 92,300
ULSTER	West Park	NY	12493	0	283	\$ 79,749
ORANGE	West Point	NY	10996	2	5,419	\$ 114,831
SUFFOLK	West Sayville	NY	11796	6	3,263	\$ 118,922
ULSTER	West Shokan	NY	12494	0	641	\$ 69,368
ORANGE	Westbrookville	NY	12785	0	752	\$ 67,128
ORANGE	Westtown	NY	10998	4	2,136	\$ 100,366
SULLIVAN	White Lake	NY	12786	0	299	\$ 39,475
WESTCHESTE	EF White Plains	NY	10601	47	9,682	\$ 112,517
WESTCHESTE	El White Plains	NY	10603	26	14,047	\$ 118,545
WESTCHESTE	EF White Plains	NY	10606	18	13,906	\$ 102,720
SULLIVAN	White Sulphur Springs	NY	12787	2	341	\$ 81,195
BROOME	Whitney Point	NY	13862	0	3,573	\$ 67,891
SENECA	Willard	NY	14588	0	741	\$ 75,296
CORTLAND	Willet	NY	13863	0	592	\$ 63,254
WAYNE	Williamson	NY	14589	4	6,128	\$ 71,200
ULSTER	Willow	NY	12495	1	336	\$ 96,180
ESSEX	Willsboro	NY	12996	2	1,749	\$ 51,995
TIOGA	Willseyville	NY	13864	3	821	\$ 55,324
GREENE	Windham	NY	12496	1	1,416	\$ 69,683
BROOME	Windsor	NY	13865	1	5,237	\$ 69,355
DUTCHESS	Wingdale	NY	12594	1	3,509	\$ 78,313
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Appendix 7 Attachment A Page 22 of 22 Wolcott 14590 WAYNE NY1 4,133 56,442 **SULLIVAN** Woodbourne NY 12788 4 2,581 \$ 51,559 STEUBEN Woodhull NY 14898 0 1,324 \$ 47,393 **SULLIVAN** Woodridge NY 12789 1 1,380 \$ 64,408 Woodstock 12 4,322 \$ ULSTER NY 12498 111,598 Wurtsboro 4,003 **SULLIVAN** NY12790 3 \$ 59,990 Wyandanch 13 11,986 \$ **SUFFOLK** NY 11798 84,621 Yaphank NY 11980 74 4,521 \$ 103,092 **SUFFOLK** WESTCHESTEI Yonkers 71,365 NY10703 8 16,634 \$ WESTCHESTEI Yonkers NY10704 23 25,816 \$ 82,446 WESTCHESTEF Yonkers NY10710 15 23,041 \$ 101,745 SULLIVAN Youngsville 12791 0 \$ 71,834 NY 514 **SULLIVAN** Yulan 12792 0 240 \$ 46,018 NY

			Mean	
Niagara	Population	Household		
Mohawk	over 16		Income	
Average	5,064	\$	66,054	
SD	7,336	\$	18,009	
- 3 SD	0	\$	12,027	
+ 3 SD	27,071		120,081	

# APPENDIX 8

HIGH RISK SECTIONS PART 255	T	Diez
ACTIVITY TITLE	CODE SECTION	RISK FACTOR
Material - General	255.53(a),(b),(c)	HIGH
Transportation of Pipe	255.65	HIGH
Pipe Design - General	255.103	HIGH
Design of Components - General Requirements	255.143	HIGH
Design of Components - Flexibility	255.159	HIGH
Design of Components - Supports and anchors	255.161	HIGH
Compressor Stations: Emergency shutdown	255.167	HIGH
Compressor Stations: Pressure limiting devices	255.169	HIGH
Compressor Stations: Ventilation	255.173	HIGH
Valves on pipelines to operate at 125 psig or more	255.179	HIGH
Distribution line valves	255.181	HIGH
Vaults: Structural Design requirements	255.183	HIGH
Vaults: Drainage and waterproofing	255.189 255.195	HIGH
Protection against accidental overpressuring  Control of the pressure of gas delivered from high pressure distribution systems	255.197	HIGH HIGH
Requirements for design of pressure relief and limiting devices	255.197	HIGH
Required capacity of pressure relieving and limiting stations	255.201	HIGH
Qualification of welding procedures	255.225	HIGH
Qualification of Welders	255.227	HIGH
Protection from weather	255.221	HIGH
Miter Joints	255.233	HIGH
Preparation for welding	255.235	HIGH
Inspection and test of welds	255.241(a),(b)	HIGH
Nondestructive testing-Pipeline to operate at 125 PSIG or more	255.243(a)-(e)	HIGH
Welding inspector	255.244(a),(b),(c)	HIGH
Repair or removal of defects	255.245	HIGH
Joining Of Materials Other Than By Welding - General	255.273	HIGH
Joining Of Materials Other Than By Welding - Copper Pipe	255.279	HIGH
Joining Of Materials Other Than By Welding - Plastic Pipe	255.281	HIGH
Plastic pipe: Qualifying persons to make joints	255.285(a),(b),(d)	HIGH
Notification requirements	255.302	HIGH
Compliance with construction standards	255.303	HIGH
Inspection: General	255.305	HIGH
Inspection of materials	255.307	HIGH
Repair of steel pipe	255.309	HIGH
Repair of plastic pipe	255.311	HIGH
Bends and elbows	255.313(a),(b),(c)	HIGH
Wrinkle bends in steel pipe	255.315 255.321	HIGH
Installation of plastic pipe Underground clearance	255.325	HIGH
Customer meters and service regulators: Installation	255.357(d)	HIGH HIGH
Service lines: Installation	255.361(e),(f),(g),(h),(i)	HIGH
Service lines: Instantation  Service lines: Location of valves	255.365(b) 255.365(b)	HIGH
External corrosion control: Buried or submerged pipelines installed after July 31, 1971	255.455(d),(e)	HIGH
External corrosion control: Buried or submerged pipelines installed before August 1, 1971	255.457	HIGH
External corrosion control: Protective coating	255.461(c)	HIGH
External corrosion control: Cathodic protection	255.463	HIGH
External corrosion control: Monitoring	255.465(a),(e)	HIGH
Internal corrosion control: Design and construction of transmission line	255.476(a),(c)	HIGH
Remedial measures: General	255.483	HIGH
Remedial measures: transmission lines	255.485(a),(b)	HIGH
Strength test requirements for steel pipelines to operate at 125 PSIG or more	255.505(a),(b),(c),(d)	HIGH
General requirements (UPGRADES)	255.553 (a),(b),(c),(f)	HIGH
Upgrading to a pressure of 125 PSIG or more in steel pipelines	255.555	HIGH
Upgrading to a pressure less than 125 PSIG	255.557	HIGH
Conversion to service subject to this Part	255.559(a)	HIGH
General provisions	255.603	HIGH
Operator Qualification	255.604	HIGH
Essentials of operating and maintenance plan	255.605	HIGH
Change in class location: Required study	255.609	HIGH
Damage prevention program	255.614	HIGH
Emergency Plans	255.615	HIGH

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Customer education and information program	255.616	HIGH
Maximum allowable operating pressure: Steel or plastic pipelines	255.619	HIGH
Maximum allowable operating pressure: High pressure distribution systems	255.621	HIGH
Maximum and minimum allowable operating pressure: Low pressure distribution systems	255.623	HIGH
Odorization of gas	255.625(a),(b)	HIGH
Tapping pipelines under pressure	255.627	HIGH
Purging of pipelines	255.629	HIGH
Control Room Management	255.631(a)	HIGH
ransmission lines: Patrolling	255.705	HIGH
eakage Surveys - Transmission	255.706	HIGH
ransmission lines: General requirements for repair procedures	255.711	HIGH
ransmission lines: Permanent field repair of imperfections and damages	255.713	HIGH
ransmission lines: Permanent field repair of welds	255.715	HIGH
ransmission lines: Permanent field repair of leaks	255.717	HIGH
ransmission lines: Testing of repairs	255.719	HIGH
Distribution systems: Leak surveys and procedures	255.723	HIGH
Compressor stations: procedures	255.729	HIGH
Compressor stations: Inspection and testing relief devices	255.731	HIGH
Compressor stations: Additional inspections	255.732	HIGH
Compressor stations: Gas detection	255.736	HIGH
ressure limiting and regulating stations: Inspection and testing	255.739(a),(b)	HIGH
Regulator Station Overpressure Protection	255.743(a),(b)	HIGH
Yransmission Line Valves	255.745	HIGH
		HIGH
revention of accidental ignition	255.751	
rotecting cast iron pipelines	255.755	HIGH
deplacement of exposed or undermined cast iron piping	255.756	HIGH
Replacement of cast iron mains paralleling excavations	255.757	HIGH
eaks: Records	255.807(d)	HIGH
eaks: Instrument sensitivity verification	255.809	HIGH
eaks: Type 1	255.811(b),(c),(d),(e)	HIGH
eaks: Type 2A	255.813(b),(c),(d)	HIGH
eaks: Type 2	255.815(b),(c),(d)	HIGH
eak Follow-up	255.819(a)	HIGH
ligh Consequence Areas	255.905	HIGH
tequired Elements (IMP)	255.911	HIGH
Knowledge and Training (IMP)	255.915	HIGH
dentification of Potential Threats to Pipeline Integrity and Use of the Threat Identification in an Integrity Program (IMP)	255.917	HIGH
aseline Assessment Plan( IMP)	255.919	HIGH
Conducting a Baseline Assessment (IMP)	255.921	HIGH
Direct Assessment (IMP)	255.923	HIGH
external Corrosion Direct Assessment (ECDA) (IMP)	255.925	HIGH
nternal Corrosion Direct Assessment (ICDA) (IMP)	255.927	HIGH
Confirmatory Direct Assessment (CDA) (IMP)	255.931	HIGH
addressing Integrity Issues (IMP)	255.933	HIGH
reventive and Mitigative Measures to Protect the High Consequence Areas (IMP)	255.935	HIGH
Continual Process of Evaluation and Assessment (IMP)	255.937	HIGH
leassessment Intervals (IMP)	255.939	HIGH
General requirements of a GDPIM plan	255.1003	HIGH
mplementation requirements of a GDPIM plan.	255.1005	HIGH
Required elements of a GDPIM plan.	255.1007	HIGH
Required report when compression couplings fail.	255.1009	HIGH
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Requirements a small liquefied petroleum gas (LPG) operator must satisfy to implement a GDPIM plan	255.1015	HIGH

HIGH RISK SEC	TIONS PART 261	
Operation and maintenance plan	261.15	HIGH
Leakage Survey	261.17(a),(c)	HIGH
Carbon monoxide prevention	261.21	HIGH
Warning tag procedures	261.51	HIGH
HEFPA Liaison	261.53	HIGH
Warning Tag Inspection	261.55	HIGH
Warning tag: Class A condition	261.57	HIGH
Warning tag: Class B condition	261.59	HIGH

OTHER RISK SECTIONS PART 255	1	
ACTIVITY TITLE	CODE SECTION	RISK FACTOR
Preservation of records	255.17	OTH
Compressor station: Design and construction	255.17	OTH
Compressor station: Liquid removal	255.165	OTH
Compressor stations: Additional safety equipment	255.171	ОТН
Vaults: Accessibility	255.185	ОТН
Vaults: Sealing, venting, and ventilation	255.187	OTH
Calorimeter or calorimeter structures	255.190	OTH
Design pressure of plastic fittings	255.191	OTH
Valve installtion in plastic pipe	255.193	OTH
Instrument, control, and sampling piping and components	255.203	OTH
Limitations On Welders	255.229	OTH
Quality assurance program	255.230	OTH
Preheating	255.237	OTH
Stress relieving	255.239	OTH
Inspection and test of welds	255.241(c)	OTH OTH
Nondestructive testing-Pipeline to operate at 125 PSIG or more Plastic pipe: Qualifying joining procedures	255.243(f) 255.283	OTH
Plastic pipe: Qualifying persons to make joints	255.285 255.285(c)(e)	OTH
Plastic pipe: Inspection of joints	255.285(c)(e) 255.287	OTH
Bends and elbows	255.313(d)	OTH
Protection from hazards	255.317 255.317	OTH
Installation of pipe in a ditch	255.319	OTH
Casing	255.323	ОТН
Cover	255.327	ОТН
Customer meters and regulators: Location	255.353	ОТН
Customer meters and regulators: Protection from damage	255.355	ОТН
Customer meters and service regulators: Installation	255.357(a)-(c)	OTH
Customer meter installations: Operating pressure	255.359	OTH
Service lines: Installation	255.361(a), (b), (c), (d)	OTH
Service lines: valve requirements	255.363	OTH
Service lines: Location of valves	255.365(a), (c)	OTH
Service lines: General requirements for connections to main piping	255.367	OTH
Service lines: Connections to cast iron or ductile iron mains	255.369	OTH
Service lines: Steel	255.371	OTH
Service lines: Cast iron and ductile iron	255.373	OTH
Service lines: Plastic	255.375	OTH
Service lines: Copper	255.377	OTH
New service lines not in use	255.379	OTH OTH
Service lines: excess flow valve performance standards  External corrosion control: Buried or submerged pipelines installed after July 31, 1971	255.381 255.455 (a)	OTH
External corrosion control: Examination of buried pipeline when exposed	255.459	OTH
External corrosion control: Examination of buried pipeline when exposed  External corrosion control: Protective coating	255.461(a), (b), (d), (e), (f), (g)	OTH
External corrosion control: Monitoring	255.465 (b)(c)(d)(f)	OTH
External corrosion control: Electrical isolation	255.467	OTH
External corrosion control: Test stations	255.469	ОТН
External corrosion control: Test lead	255.471	ОТН
External corrosion control: Interference currents	255.473	ОТН
Internal corrosion control: General	255.475(a)(b)	OTH
Atmospheric corrosion control: General	255.479	OTH
Atmospheric corrosion control: Monitoring	255.481	OTH
Remedial measures: transmission lines	255.485(c)	OTH
Remedial measures: Pipelines lines other than cast iron or ductile iron lines	255.487	OTH
Remedial measures: Cast iron and ductile iron pipelines	255.489	OTH
Direct Assessment	255.490	OTH
Corrosion control records	255.491	OTH
General requirements (TESTING)	255.503	OTH
Strength test requirements for steel pipelines to operate at 125 PSIG or more	255.505 (e),(h), (i)	OTH
Test requirements for pipelines to operate at less than 125 PSIG	255.507	OTH
Test requirements for service lines Environmental protection and safety requirements	255.511 255.515	OTH OTH
Records (TESTING)	255.515	OTH
Notification requirements (UPGRADES)	255.552	OTH
General requirements (UPGRADES)	255.552 255.553 (d)(e)	OTH

Change in class location: Confirmation or revision of maximum allowable operating pressure	255.611(a), (d)	OTH
Continuing surveillance	255.613	OTH
Odorization	255.625 (e)(f)	OTH
Pipeline Markers	255.707(a),(c),(d),(e)	ОТН
Transmission lines: Record keeping	255.709	OTH
Distribution systems: Patrolling	255.721(b)	OTH
Test requirements for reinstating service lines	255.725	OTH
Inactive Services	255.726	OTH
Abandonment or inactivation of facilities	255.727(b)-(g)	OTH
Compressor stations: storage of combustible materials	255.735	OTH
Pressure limiting and regulating stations: Inspection and testing	255.739 (c), (d)	OTH
Pressure limiting and regulating stations: Telemetering or recording gauges	255.741	OTH
Regulator Station MAOP	255.743 (c)	OTH
Service Regulator - Min.& Oper. Load, Vents	255.744	OTH
Distribution Line Valves	255.747	OTH
Valve maintenance: Service line valves	255.748	OTH
Regulator Station Vaults	255.749	OTH
Caulked bell and spigot joints	255.753	OTH
Reports of accidents	255.801	OTH
Emergency lists of operator personnel	255.803	OTH
Leaks General	255.805 (a), (b), (e), (g), (h)	OTH
Leaks: Records	255.807(a)-(c)	OTH
Type 3	255.817	OTH
Interruptions of service	255.823 (a)-(b)	OTH
Logging and analysis of gas emergency reports	255.825	OTH
Annual Report	255.829	OTH
Reporting safety-related conditions	255.831	OTH
General (IMP)	255.907	OTH
Changes to an Integrity Management Program (IMP)	255.909	OTH
Low Stress Reassessment (IMP)	255.941	OTH
Measuring Program Effectiveness (IMP)	255.945	OTH
Records (IMP)	255.947	OTH
Records an operator must keep	255.1011	OTH

OTHER RISK SECTION	S PART 261	
High Pressure Piping - Annual Notice	261.19	OTH
Warning tag: Class C condition	261.61	OTH
Warning tag: Action and follow-up	261.63(a)-(h)	OTH
Warning Tag Records	261.65	OTH

# APPENDIX 9

### **Electric and Gas Pension and OPEB Expense Provisions**

- 1. Niagara Mohawk will determine the percentage of pension and OPEB costs that will be capitalized, and the corresponding entries into the pension and OPEB deferral accounts, using the methodology set forth herein. For both the electric and gas segments, the percentage of pension and OPEB costs to be capitalized will be determined as follows:
  - a. The Company will calculate a capitalization rate at the beginning of each fiscal year using the actuarial estimates of pension and OPEB expenses for the year, along with all other fringe benefit costs subject to capitalization, and will adjust this rate for updated actuarial and other estimates provided in September of each year. The rate may also be adjusted at other times throughout the year if there is a fluctuation in the rate of greater than +/- 20 percent.
  - b. After the close of each fiscal year, the Company will compare the amount of fringe benefits (including pension and OPEB costs), payroll taxes, and workers compensation actually capitalized on the books using actual fiscal year results to the amount that would be capitalized if the calculation used to determine the pension and OPEBs expense in these proceedings were applied. The Company will adjust the amount capitalized associated with fringe benefits (which includes, but is not limited to pension and OPEBs) for any differences resulting from this reconciliation. In addition, the Company will adjust the applicable pension and OPEB deferral accounts to reflect the capitalized pension and OPEB costs determined pursuant to the above methodology.

### Journal Entry Details Monthly Deferral

- c. Actual pension and OPEB expense comprise the following three elements:
  - Expense booked directly by the Company pursuant to FAS 87 or FAS 106, derived from actuarial reports.
  - Pension/OPEB expense allocated from National Grid USA Service Company, Inc. and National Grid Engineering & Survey, Inc. (collectively, "Service Company"). The amount allocated from the Service Company is reduced by any Supplemental Executive Retirement Programs ("SERP") related amounts as directed in Attachment A hereto. A reduction to pension/OPEB expense for the amounts capitalized will represent and include credits for the normal capitalization of payroll, intercompany billing revenues, and credits for third party billing revenue. The amount of capitalization of payroll (covering all three of these types of credits) will be determined based upon the process described above.
  - Monthly, the sum of the two elements noted above are compared against the preestablished level of pension/OPEB expense reflected in rates (see Section 10.1.1 of the Joint Proposal). This pre-established level takes the annual amounts

reflected in rates and divides them by twelve to perform a monthly reconciliation. The amount above or below the threshold is the amount deferred monthly. Separate entries are recorded for the pension and OPEB deferrals.

### **Annual Reconciliation Adjustment**

- d. An adjusting entry will be made annually, but no later than May of the subsequent fiscal year, for the reconciliation of fringe benefits capitalized in accordance with Section 1b above.
- 2. Deferred pension and OPEB costs will be credited with the costs associated with employees covered by the Niagara Mohawk pension and OPEB plans that are transferred to and from the Service Company between valuations for each fiscal year to eliminate double-counting. The method for determining the credit is as follows:
  - a. After the close of each fiscal year, the Company will: (1) identify all employees who transferred from Niagara Mohawk to the Service Company or from the Service Company to Niagara Mohawk during the fiscal year; and (2) making the hypothetical assumption that all employee transfers occurred on January 1 of the fiscal year, calculate the difference in pension and OPEB expense allocated between Niagara Mohawk and the Service Company for (a) the capitalized portion of pension and OPEB expense; and (b) the Company's share of the monthly Service Company allocation. This adjustment for (b), above, will be subject to Niagara Mohawk's ability to provide support to Staff that the annual pension and OPEB costs for Service Company are derived from actuarial estimates of Service Company pension and OPEB expenses for the year. The revised valuations as of January 1 will be provided by the Company's actuaries. The credit determination, if any, resulting from this Section 2 will follow the determination set forth in Section 1 above. An example calculation of the adjustment described above will be applicable from April 2006 forward and is presented in Table 1 of Attachment B hereto.
  - b. The Company further agrees that the amount of pension and OPEB costs allocated to Service Company, net of pension and OPEB costs allocated back from Service Company and otherwise included in pension and OPEB cost deferrals, will be funded on an as-incurred basis.
- 3. The Signatory Parties agree the funding for pensions and OPEBs should be done in a tax effective manner. Accordingly, Niagara Mohawk will have the discretion to allocate the funding requirements contained in the Commission's *Statement of Policy on Pensions and Post-Retirement Benefits Other than Pensions* in Case 91-M-0890 ("Statement of Policy") to efficiently use available tax benefits, manage the pension and OPEB obligations of the Company, and to meet other financial requirements associated with the funding. For purposes of the Statement of Policy, the funding requirements of both OPEB and pensions will be evaluated on the sum of the OPEB and pension plans, and excess funding for pensions or OPEBs will be offset against deficiencies, if any, in Niagara Mohawk's other pension or OPEB funding obligations under the Statement of Policy. This will be accomplished by providing a return

calculated in the manner set forth in the Statement of Policy on the debit balance of the internal reserve for a plan to the extent that such debit balance is less than or equal to a credit balance of the internal reserve for another Niagara Mohawk plan caused by the limitations on tax benefits. However, except as set forth below, no return will be allowed for any plan having a debit balance in its internal reserve for the amount by which the plan assets exceed the plan obligations. To earn a return on a portion of the debit balance of the internal reserve attributable to plan assets that exceed plan obligations, Niagara Mohawk must request such authority from the Commission and demonstrate that such funding in excess of the rate allowance is necessary and in the interest of customers even though the plan is fully funded.

### 4. Statement of Policy

In general, Niagara Mohawk will adhere to the Commission's Statement of Policy. Under the Statement of Policy, Niagara Mohawk reconciles its pension and benefit expense with the allowance in its rates and will realize no profit or loss from changes to retiree benefits under its pension and benefit plans. However, Niagara Mohawk and National Grid will be granted waiver from the requirements of the Statement of Policy in the following limited respects:

- a. Although Niagara Mohawk and National Grid will not merge their pension funds without prior approval of the Commission following notice to Staff, they may establish a single master trust, with separate segregated sub-trusts for its New York and New England retirees, as long as a complete separate accounting of the assets, liabilities and annual expense levels can be made for the Niagara Mohawk sub-trust.
- b. Service Company will be permitted to manage the pension/OPEB plans subject to Commission staff review as long as a separate, non-affiliated entity is handling the investment decisions pertaining to the plans.

### **Attachment A**

- 1. Reconciliation of Pension and OPEB Expense. Niagara Mohawk will reconcile its actual Pension and OPEB expense recorded under FAS 87 and FAS 106, and its allocated share of Pension and OPEB expense from Service Company, but excluding Pension and OPEB expense associated with SERP or other executive plans, programs, or arrangements that would otherwise factor into FAS 87, FAS 88, or FAS 106, and unregulated operations, to the amounts reflected in rates (as shown in Section 10.1.1 of the Joint Proposal). Capitalized FAS 87 and FAS 106 costs will be excluded from actual FAS 87 and FAS 106 costs in the reconciliation.
- 2. Termination Benefits, Settlements, and Curtailments Associated with Transfers to Service Company and National Grid Other Affiliates. The Signatory Parties recognize that the movement of employees between Niagara Mohawk and Service Company or National Grid Other Affiliates (as defined in the Company's Corporate Structure and Affiliate Rules (Appendix 16 to the Joint Proposal), could result in the inequitable shifting of FAS 87 and FAS 106 expense between Niagara Mohawk and Service Company or National Grid Other Affiliates. Consequently, Niagara Mohawk will implement mechanisms to prevent such inequitable shifting of FAS 87 and FAS 106 expense during the term of the Rate Plan, including the prevention of any effects associated with such transfers on any termination benefits, settlements, or curtailments. The objective will be, for example, to assure that a Niagara Mohawk employee who is transferred to Service Company and bills all or a portion of the employee's time to Niagara Mohawk does not unfairly increase or decrease Niagara Mohawk's recoverable FAS 87 and FAS 106 expense, or that an employee of Service Company who was billing all or a portion of the employees time to Niagara Mohawk and then is transferred to Niagara Mohawk does not unfairly increase or decrease Niagara Mohawk's recoverable FAS 87 and FAS 106 expense.
- 3. <u>All Other Termination Benefits, Settlements, and Curtailments</u>. Niagara Mohawk is required to follow the procedures set forth in the Commission's Statement of Policy, as it may be revised from time to time.

# ATTACHMENT B: PENSION AND OPEB EXPENSE

Pension Expense	A BCD D	# of Total Exployees NM Orig Transferred Pension Alla to Svc Co. Expense to Sv	FYE 3/31/04 156 \$50,204,699 \$3,00 FYE 3/31/05 39 \$60,190,372 \$4,43 FYE 3/31/06 86 \$77,659,992 \$6,14	Total Pension Adj \$188,055,063 \$13,64	OPEBs Expense	A BCD	# of Total Ex Employees NM Orig Transferred OPEB All to Svc Co. Expense to Sv	FYE 3/31/04 156 \$29,370,462 \$2,15 FYE 3/31/05 39 \$30,079,311 \$3,67 FYE 3/31/06 86 \$33,322,910 \$3.87	<b>Total OPEB Adj</b> \$92,772,683 \$9,63
	E Dension Revised	L A of	\$3,065,129 \$3,363,347 \$4,439,886 \$4,524,106 \$6,141,852 \$6,395,794	3,646,867 \$14,283,247			OPEB Revised Expense OPEB Originally Expense Allocated Allocated to Svc. Co. to Svc. Co.	\$2,151,210 \$2,360,509 \$3,646,731 \$3,715,905 \$3,872,117 \$3,944,719	\$9,670,058 \$10,021,133
	F	NM Pension Expense Change	(298,218) (84,220) (253,942)	(636,380)		Ξ.	Decrease NM OPEBs Expense Change	(209,299) (69,174) (72,602)	(351,075)
	ŋ	Capital %	23.95% 26.04% 26.18%			Ö	Staff Capital %	23.95% 26.04% 26.18%	
	Н	Decrease for Amount Capitalized	(71,423) (21,931) (66,48 <u>2</u> )	(159,836)		Н	Decrease for Amount Capitalized	(50,127) (18,013) (19,007)	(87,147)
	Ι	Pension Adj	(226,795) (62,289) (187,460)	(476,544)		I	OPEB Adj	(159,172) (51,161) (53,595)	(263,928)
	ſ	Svc Co Allocation % to NM	26.09% 29.20% 31.09%			ſ	Svc Co Allocation % to NM	24.27% 28.78% 31.01%	
Table 1	¥	NM Share of Serv Co. Allocation	(77,805) (24,592) (78,951)	(181,348)		K	NM Share of Serv Co. Allocation	(50,797) (19,908) (22,514)	(93,219)
		Final Pension Adj	(148,990) (37,697) (108,509)	(295,196)			Final OPEB Adj	(108,375) (31,253) (31,081)	(170,709)

Fiscal YE Number of Employees transferred to NGUSA Service Company during the fiscal year Total NMPC Pension/OPEB Expense per Hewitt 

Pension/OPEB expense originally allocated to NGUSA Service Company, excluding employees transferred during the year (based on revised actuarial О

valuations)

Revised pension/OPEB expense originally allocated to NGUSA Service Company, including employees transferred during the year (based on revised

Column (D) – Column (E) actuarial valuations)

Percentage of pension/OPEB expense capitalized (per method described in PSC-276, and as reconciled to under section 3.8.1 of the stipulation) FMLHGL

Decrease for amount capitalized (F x G)

Adjustment w/out service company allocation adjustment (F-H)

Percentage of pension/OPEB expense originally allocated from NGUSA Service Company to NM

Column (F) x Column (J) Column (I) – Column (K)

Note: The final pension and OPEB adjustment (Column L), must be further allocated between electric and gas departments to determine the amount to be posted to electric and gas pension and OPEB deferrals.

# APPENDIX 10

### **GBE Program Scope**

High-Level GBE Program Scope by Workstream

**Asset Management** –an enterprise asset management platform that will provide a single view of all assets and system of record

- o Implement an enterprise-wide Geographic Information System ("GIS"), investment planning, integrity management, and design systems /tools integrated with the work management system
- O Develop enterprise-wide investment planning / risk management capabilities **Work Management** a work management system with an integrated field mobile application allowing a single view of all work with the ability to prioritize work
  - o Implement an enterprise-wide work management system, including scheduling and mobility platforms with ability to optimize routes
  - Develop planning and prioritization capabilities to ensure commitments are met, mandated work is completed and capital work is delivered
  - Deploy enterprise-wide standardized processes and roles

**Customer Engagement** - enable easier customer interactions through greater visibility to planned activities and scheduling of upcoming work

- Implement an interaction platform with multi-channel, customer self-service options
- o Provide access to real-time customer information and history

### **Regulatory & Compliance**

- Incorporate pipeline safety and compliance standards into all elements of the design
- Develop robust technical training capability
- o Simplify and align policies, procedures, work methods and training
- Incorporate elements of API 1173 Pipeline Safety Management System (process safety)

### Detailed Backbone Capabilities

- Enterprise Asset Management platform integration with SAP
- Enterprise Work Management system integrated with a field mobile application and back office systems (*i.e.*, Powerplan and SAP)
- Scheduling and dispatch
  - Optimized routing
- Field mobility solutions
  - o electronic data capture
  - visibility to customer payment history

- Spatial crew visibility
- acceptance of credit card payments
- o print capability

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- o electronic work packages
- o field access to maps

- field asset correction and geolocation
- GIS Consolidation, GIS Data Remediation, Landbase Conflation
- Enterprise GIS/Enterprise Asset Management Platform Integration
- Data management, archiving, record-keeping
- Customer collections status visibility
- Standardized compatible unit library
- Customer appointment booking
- Contractor mobility solution
- Mobile time entry and tracking
- Material traceability
- Work forecasting and planning solution
- Asset investment planning and management tool
- Integrity management application
- Mobility tool for customer meter services work, inspection and maintenance work, preventative maintenance activities, construction work, leak inspection and leak repair
- Gas safety instructor-led, video-based, and mobile technical training

### Detailed Enhanced Capabilities

- Asset investment scenario planning
- Graphical Work Design and CU estimating
- Customer contact center front end application integrated with customer information systems and field mobility solution providing 360° view of the customer
- Field crew customer interaction portal
- Customer self-service portal
- Employee support interaction portal
- Projects and program management platform
- Complex design tools
- Auto work notifications
- Supervisor mobile platform

- Field mobile redlining and GIS mapping
- Project Management Platform integration with GIS, Enterprise Asset Management and asset accounting
- Spatial asset risk visibility
- Large commercial and landlord interaction portal

GBE Program Niagara Mohawk ("Company") KPI Descriptions and Calculations

Data Source	Jobs Data and HRIS system		M&C Workplan
Algorithm	The quotient of (i) the total number of Jobs completed by CMS FTEs during the fiscal year, <i>divided by</i> (ii) the total number of gas CMS FTEs during the fiscal year, with the result divided by the number of working days (240) and expressed to two decimal places.	"FTEs" includes Company gas employees and excludes contractors "Jobs" means all Company CMS planned and collections jobs completed by CMS FTEs	The product of (i) the total number miles of gas "Distribution Main" installed by Company gas M&C FTEs in the Company's gas service territory in the fiscal year multiplied by (ii) the number of feet in a mile, <u>divided by</u> (iii) number of Company gas M&C FTEs (based on average crew size during the fiscal year), with the result divided by the number of working days (240) and expressed to two decimal places.
Metric Description	Measures the average number of gas jobs completed per day by each working CMS FTE		Measures the average feet of gas distribution main installed per day by each working gas M&C FTE
KPI	Avg. # of completed gas Jobs per CMS FTE (jobs/day)		Avg. ft. of gas distribution main installed or replaced per M&C FTE (ft/day)
Measurement Area	Work Management- Customer Meter Services ("CMS")		Work Management- Maintenance & Construction ("M&C")

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	STORMS Data R850 completion Clerical information (HRIS) and filtered for those responsible for processing work orders	Move Call Benefits – call center query for fiscal year  Non Move Call Benefits – call center query for fiscal year  Move and Non-move Calls
"Distribution Main" means the following types of gas distribution main: new main, proactive and reactive replacements, reliability and reinforcements, and city state construction replacements "Miles" means miles of gas distribution main installed "Feet" means feet of gas distribution main installed "FTEs" includes Company gas employees and excludes contractors	The quotient of (i) Company total Work Orders in STORMS during the fiscal year divided by (ii) average number of Clerks active during the fiscal year.  "Work Orders" means work orders marked as closed in STORMS  "Clerks" means those Company and Service Company employee and contractor roles responsible for processing Work Orders.	The sum of (i) the total number of Move Calls received by the call centers from Company's customers during the fiscal year <i>plus</i> (ii) the total number of field-related Non-move Calls received by the call centers from Company's customers
	Measures the average number of Work Orders processed per year in the back office by each engineering clerical employee	Measures the total volume of move and non-move telephone calls received by the Company's call centers from customers
	Work Orders Processed/ Back Office FTEs (WOs/yr)	Total Call Volume (Calls/year)
	Engineering and Back Office	Customer

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			during the same measurement window.	are included but not
			"Move Calls" means calls for service	differentiated in the total Annual Call Volumes
			installation of discontinuance.	reported in the annual
			"Non-move Calls" means calls to resolve a	Service Quality Assurance Program report (discussed
			Custoffict 155thc.	in Appendix 15) provided on a calendar vear basis.
Customer / Key Measurement	Customer Experience	Measures the overall satisfaction of National	Average of scores for all "Ease of Doing	Customer Effort Survey Results from the Brand,
	(Effort)	Grid residential gas	customers during the fiscal year, with the	Image & Relationship
	Kating	customers captured in the 'Ease of Doing	result expressed to two decimal places.	Survey
		Business" surveys, the		
		mainly driven by		
		number handoffs		
		between Company		
		issue resolutions		
Gas Safety &	Total non-	Measures the total	Total occurrences of violations of the	NMPC Records and Field
Compliance	compliance	number of gas safety	Commission's gas safety regulations, as	Audit Results
	occurrences	non-compliance	measured by the final results of Staff's annual records and field andits	Cumulative Annual Non-
				Compliance Occurrences
				(as discussed in Joint
				Proposal Section 12.5)
				from Pipeline Safety &
				Compliance Team

# Notes:

The purpose of each KPI is to measure the performance of the Company or its employees.

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completed by Company CMS FTEs; (ii) the current Work Management - Maintenance & Construction average crew size; and (iii) the Within 30 days of a Commission order approving the Joint Proposal in this proceeding, the Company will file with the Secretary a current number of Engineering and Back Office "Clerks," defined as Company and Service Company employees and contractors report containing (i) the Work Management - Customer Meter Services "Jobs," defined as all CMS planned and collections jobs responsible for processing Work Orders.

### Niagara Mohawk Power Corporation d/b/a National Grid Gas Business Enablement NMPC Value Framework FY23 KPI Targets and Weightings

KPI Description	FY 2023 KPI Target	FY 2023 KPI Target Weightings	Allocated Portion of Enhanced Capability Investment (\$31.2M)
Avg. # of Completed Jobs per CMS worker (jobs/day)	2.78	11%	\$3.4 M
Avg. ft. of Main Repl./ M&C Worker (ft/day)	12.39	11%	\$3.4 M
WOs Processed/ Back Office FTE	767	11%	\$3.4 M
Total Call Volume (Calls/year)	1,069,433	16%	\$5.0 M
Customer Experience(Effort) Rating	72.44	16%	\$5.0 M
Total non-compliance occurrences	0	35%	\$10.9 M
Totals		100%	\$31.2 M

Gas Business Enablement NMPC Example of Value Framework FY23 KPI Performance Calculation (Underperformance Against All Targets) Niagara Mohawk Power Corporation d/b/a National Grid

Value Category	Work Management- CMS Awg. # of Completed Jobs	CMS Work Management- M&C Jobs Avg. ft. of Main Repl./	Back Office WOs Processed/Back	Customer Total Call Volume	Customer	Gas Safety & Compliance Total non-compliance	Total
u	per worker (jobs/day)	Worker (ft/day)	Office FTE (WOs/yr)	(Calls/year)	Customer Experience(Effort) Rating	occurrences	
	2.7	12.03	577	1,148,881	67.70	398	
KPI Target FY23	2.78	12.39	767	1,069,433	72.44	0	
FY23 KPI Target Weighting 4 Against Enhanced Capability Investment Potential Return to Customer	11%	11%	11%	16%	16%	35%	
Enterprise Enhanced Capability Investment Dollars weighted to KPI	\$20.4 M	\$20.4 M	\$20.4 M	\$29.6 M	\$29.6 M	\$64.8 M	\$185.0 M
NMPC Enhanced Capability Investment Dollars = Line 5 * 16.89%	\$3.44 M	\$3.44 M	\$3.44 M	\$5.00 M	\$5.00 M	\$10.94 M	\$31.2 M
Calculated NMPC Value of Meeting the FY23 Target	\$486,847	\$861,064	\$310,265	\$297,136	\$1,283,066	000'006'2\$	\$11,138,378
Annual Dollar Value of a unit of improvement = Line 7 / (Line 3 - Line 2)	\$6,085,588	\$2,391,844	\$1,633	<b>7</b> \$-	\$270,689	-\$19,849	
Illustrative FY23 KPI Value	2.75	12.22	092	1,075,000	02'99	120	
Percentage Metric performance to FY23 Target = (Line 2 - Line 9)/(Line 2 - Line 3)	62.5%	52.8%	%8'96	93.0%	-21.1%	%8'69	
Calculated value of performance = (Line 9 - Line 8	\$304,279	\$454,450	\$298,834	\$276,315	-\$270,689	\$5,518,090	\$6,581,281
Value of any individual KPI underperformance = (Line 9 - Line 4) / Line 8, if underperforming	\$182,568	\$406,614	\$11,431	\$20,821	\$1,553,755	\$2,381,910	\$4,557,097
Value of any individual KPI over performance = (Line 9 - Line 4) / Line 8, if target exceeded	0\$	0\$	0\$	0\$	0\$	0\$	0\$
Maximum potential reallocation from any over performing KPIs = 50% * Line 7	\$243,424	\$430,532	\$155,133	\$148,568	\$641,533	\$3,950,000	
Re-allocation of any over-performance to any underperforming KPIs = the lower of ((Line 12 / Total Column of Line 13) * Total Column of Line 13) or (Line 14)	0\$	0\$	0\$	0\$	0\$	0\$	0\$
Re-allocated value = Line 16 11 + Line 15 for underperforming KPIs or Line 7 for outperforming KPIs	\$304,279	\$454,450	\$298,834	\$276,315	-\$270,689	\$5,518,090	\$6,581,281
Reallocated Metric performance to FV23 Target = Maximum of Line 16 / Line 7 or 0%	%89	23%	%96	83%	%0	%02	
Total Value to be deferred back to customers for 18 underperformance = (1 - line 17) * Line 6	\$1.29 M	\$1.62 M	\$0.13 M	\$0.35 M	\$5.00 M	\$3.30 M	\$11.69 M

If any KPI outperforms its target, demonstrating more value was delivered than anticipated, then the incremental value delivered can be reallocated to support any underperforming KPIs based on the following principles:

<sup>1.</sup> Re-allocation is based on the calculated dollar value of the KPI outperformance, not purely on a percentage basis

<sup>2.</sup> Any reallocation to an underperforming KPI is capped at 50% of its value (e.g. if performance was at 25% of the target, the maximum performance it could be enhanced to through reallocation is 75% of the target if there was available outperformance)

<sup>3.</sup> Through the reallocation process, the total dollar value demonstrated from the KPIs cannot increase (i.e. performance cannot exceed 100% of KPI value)

Gas Business Enablement NMPC Example of Value Framework FY23 KPI Performance Calculation (Full or Overperformance Against Targets but One)

Line	Value Category	Work Management- CMS	CMS Work Management- M&C	Back Office	Customer	Customer	Gas Safety & Compliance	Total
	1 KPI Description	Avg. # of Completed Jobs per worker (Jobs/day)	Avg. ft. of Main Repl./ Worker (ft/day)	WOs Processed/ Back Office FTE (WOs/yr)	Total Call Volume (Calls/year)	Customer Experience(Effort) Rating	Total non-compliance occurrences	
	2 KPI Baseline	2.7	12.03	577	1,148,881	67.70	398	
	3 KPI Target FY23	2.78	12.39	767	1,069,433	72.44	0	
	FY23 KPI Target Weighting 4 Against Enhanced Capability Investment Potential Return to Customer	11%	11%	11%	16%	16%	35%	
	Enterprise Enhanced Capability Investment Dollars weighted to KPI	\$20.4 M	\$20.4 M	\$20.4 M	\$29.6 M	\$29.6 M	\$64.8 M	\$185.0 M
	NWPC Enhanced Capability Investment Dollars = Line 5	\$3.44 M	\$3.44 M	\$3.44 M	\$5.00 M	\$5.00 M	\$10.94 M	\$31.2 M
	7 Calculated NMPC Value of Meeting the FY23 Target	\$486,847	\$861,064	\$310,265	\$297,136	\$1,283,066	000'006'2\$	\$11,138,378
	Annual Dollar Value of a unit of improvement = Line 7 / (Line 3 - Line 2)	\$6,085,588	\$2,391,844	\$1,633	-\$4	\$270,689	-\$19,849	
	9 Illustrative FY23 KPI Value	2.79	12.41	700	1,060,000	72.44	0	
1	$10 \left  \text{Percentage Metric performance to FY23 Target} \right  = 10 \left  \text{(Line 2 - Line 9)/(Line 2 - Line 3)} \right $	112.5%	105.6%	64.7%	111.9%	100.0%	100.0%	
1		\$547,703	\$908,901	\$200,856	\$332,415	\$1,283,066	000'006'2\$	\$11,172,941
1	12 Value of any individual KPI underperformance = (Line 1) / Line 4) / Line 8, if underperforming	0\$	0\$	\$109,409	0\$	0\$	0\$	\$109,409
1	Value of any individual KPI over performance $=$ (Line $\frac{13}{9}$ - Line $\frac{4}{1}$ ) Line $\frac{8}{1}$ , if target exceeded	958'09\$	\$47,837	0\$	\$35,279	0\$	0\$	\$143,972
1	Maximum potential reallocation from any over 14 performing KPIs = 50% *	\$243,424	\$430,532	\$155,133	\$148,568	\$641,533	000'056'£\$	
1	Re-allocation of any over-performance to any = the underperforming KPIs = the lower of ((Line 12 / Total Column of Line 13) * Total Column of Line 13) or (Line 14)	0\$	0\$	\$143,972	0\$	0\$	0\$	\$143,972
1	Re-allocated value = Line 16 11 + Line 15 for underperforming KPIs or Line 7 for outperforming KPIs	\$486,847	\$861,064	\$310,265	\$297,136	\$1,283,066	000'006'2\$	\$11,138,378
1	17 Reallocated Metric performance to FV23 Target = Maximum of Line 16 / Line 7 or 0%	100%	100%	100%	100%	100%	100%	
1	Total Value to be deferred back to customers for 18 underperformance = (1 - Line 17) * Line 6	\$0.00 M	\$0.00 M	\$0.00 M	\$0.00 M	\$0.00 M	\$0.00 M	\$0.00 M
		1		*		*	*	

If any KPI outperforms its target, demonstrating more value was delivered than anticipated, then the incremental value delivered can be reallocated to support any underperforming KPIs based on the following principles:

<sup>1.</sup> Re-allocation is based on the calculated dollar value of the KPI outperformance, not purely on a percentage basis

<sup>2.</sup> Any reallocation to an underperforming KPI is capped at 50% of its value (e.g. if performance was at 25% of the target, the maximum performance it could be enhanced to through reallocation is 75% of the target if there was available outperformance)

<sup>3.</sup> Through the reallocation process, the total dollar value demonstrated from the KPIs cannot increase (i.e. performance cannot exceed 100% of KPI value)

Gas Business Enablement NMPC Example of Value Framework FY23 KPI Performance Calculation (Mixed Against Targets) Niagara Mohawk Power Corporation d/b/a National Grid

	ment- oleted obs/d	CMS Work Management- M&C Jobs Avg. ft. of Main Repl./ Worker (ft/day)	Back Office WOs Processed/ Back Office FTE (WOs/yr)	Customer Total Call Volume (Calls/year)	Customer Customer Experience(Effort) Rating	Gas Safety & Compliance Total non-compliance occurrences	Total
	2.7	12.03	577	1,148,881	02.70	398	
	2.78	12.39	767	1,069,433	72.44	0	
FY23 KPI Target Weighting 4 Against Enhanced Capability Investment Potential Return to Customer	11%	11%	11%	16%	16%	35%	
Enterprise Enhanced Capability Investment Dollars weighted to KPI	\$20.4 M	\$20.4 M	\$20.4 M	\$29.6 M	\$29.6 M	\$64.8 M	\$185.0 M
NMPC Enhanced Capability Investment Dollars = Line 5 * 16.89%	\$3.44 M	\$3.44 M	\$3.44 M	\$5.00 M	\$5.00 M	\$10.94 M	\$31.2 M
Calculated NMPC Value of Meeting the FY23 Target	\$486,847	\$861,064	\$310,265	\$297,136	\$1,283,066	000'006'2\$	\$11,138,378
Annual Dollar Value of a unit of improvement = Line 7 / (Line 3 - Line 2)	\$6,085,588	\$2,391,844	\$1,633	<b>7</b> \$-	\$270,689	-\$19,849	
Illustrative FY23 KPI Value	2.75	12.50	290	1,065,000	68.50	10	
Percentage Metric performance to FY23 Target = (Line 2 - Line 9)/(Line 2 - Line 3)	62.5%	130.6%	-8.9%	105.6%	16.9%	97.5%	
Calculated value of performance = (Line 9 - Line 8	\$304,279	\$1,124,167	-\$27,761	\$313,715	\$216,551	\$7,701,508	\$9,632,460
Value of any individual KPI underperformance = (Line 9 - Line 4) / Line 8, if underperforming	\$182,568	0\$	\$338,026	0\$	\$1,066,515	\$198,492	\$1,785,600
Value of any individual KPI over performance = (Line 9 - Line 4) / Line 8, if target exceeded	0\$	\$263,103	0\$	\$16,579	0\$	0\$	\$279,682
Maximum potential reallocation from any over performing KPIs = 50% * Line 7	\$243,424	\$430,532	\$155,133	\$148,568	\$641,533	\$3,950,000	
Re-allocation of any over-performance to any underperforming KPIs = the lower of ((Line 12 / Total Column of Line 12) * Total Column of Line 13) or (Line 14)	\$28,596	0\$	\$52,946	0\$	\$167,050	\$31,090	\$279,682
Re-allocated value = Line 16 Interest of the 15 for underperforming KPIs or Line 7 for outperforming KPIs	\$332,875	\$861,064	\$25,185	\$297,136	\$383,602	\$7,732,598	\$9,632,460
Reallocated Metric performance to FY23 Target = Maximum of Line 16 / Line 7 or 0%	%89	100%	%8	100%	%0E	%86	
Total Value to be deferred back to customers for underperformance = (1 - Line 17) * Line 6	\$1.09 M	\$0.00 M	\$3.16 M	\$0.00 M	\$3.50 M	\$0.23 M	M 86.7\$

If any KPI outperforms its target, demonstrating more value was delivered than anticipated, then the incremental value delivered can be reallocated to support any underperforming KPIs based on the following principles:

<sup>1.</sup> Re-allocation is based on the calculated dollar value of the KPI outperformance, not purely on a percentage basis

<sup>2.</sup> Any reallocation to an underperforming KPI is capped at 50% of its value (e.g. if performance was at 25% of the target, the maximum performance it could be enhanced to through reallocation is 75% of the target if there was available outperformance)

<sup>3.</sup> Through the reallocation process, the total dollar value demonstrated from the KPIs cannot increase (i.e. performance cannot exceed 100% of KPI value)

# APPENDIX 11

### **TGP Nomination Procedure**

- Overview: Beginning in November 2018, all East Gate Daily Balanced gas
  transportation customers and all Monthly Balanced/Customer Choice customers
  will be required, by a standing nomination procedure, to deliver some portion of
  their supply on TGP when temperatures are forecast to fall below a designated
  temperature threshold.
- <u>Program Parameters</u>: The temperature triggers, delivery percentages, and nomination procedures will be reviewed and updated prior to each winter season. The Company will amend its GTOP to include a communications protocol for affected customers, which will include, at a minimum, a procedure for communicating these criteria and procedures in an annual pre-winter mailing. The Company will also notify Department of Public Service Staff in advance of any changes to the program parameters.

The Company preliminarily estimates the following parameters:

- o Temperature trigger: Forecast average daily temperature of 15 degrees
- o TPG delivery percentage: 8 12%
- Monthly Balanced Transportation Customers: the Company will release its TGP capacity to all ESCOs participating in the mandatory capacity/Customer Choice program.
- <u>East Gate Daily Balanced Transportation Customers</u>: a certain percentage of their requirements will be required to be delivered on TGP when the Temperature Trigger is forecast to be reached.
- <u>Cashouts and Penalties</u>: The Company will amend its GTOP/Tariff to incorporate TGP pricing in its Cashout Index, as well as penalty provisions for failing to deliver in accordance with these provisions.

# APPENDIX 12

### **SC-8 Standby Sales**

### **D1 Election Rate**

To discourage the purchase of standby gas supplies when not required to meet the gas supply requirements of D1 customers, the Company will establish a set of D1 election rules. While the Company recognizes that D1 elections are typically made for purposes of serving SC-8 customers' gas requirements, there are other times when the D1 program appears to be used solely for the benefit of the SC-8 customer supplier. Therefore, the following rules will apply to D1 elections:

- The Company will monitor D1 elections to identify potential abuses and eliminate arbitrage opportunities (*e.g.*, elections not attributable to customer requirements, weather variations, or pipeline curtailments). Examples include:
  - o D1 elections that are resold in the market
  - Material amounts of D1 elections not utilized by customer (*i.e.*, customer usage is materially less than D1 election) on days when on-system TGP Operational Flow Orders are issued.
- The Company will investigate potential violations of D1 election rules. SC-8 customers will reasonably cooperate with the Company in any such investigation. The Company will work closely with D1 customers and/or their suppliers to determine the nature of the activities that resulted in the potential violation.
- D1 elections determined to have violated the D1 election rules will be billed at the Company's highest daily incremental cost of gas for the day the violation occurred.
- The D1 customers and/or their supplier will have the right to challenge any Company determination by making a complaint to the Commission.

# APPENDIX 13

### **NON-WIRES ALTERNATIVES ("NWA")**

### Overview

The Non-Wire Alternative Incentive Mechanism (NWA Incentive Mechanism) establishes separate but similar methodologies for determining incentives applicable to Large Projects<sup>1</sup> and Small Projects.<sup>2</sup> Through the NWA Incentive Mechanism, the Company may retain a share of the present value of net benefits identified by comparing an NWA project to the traditional infrastructure project it would defer or replace based on a benefit cost analysis (BCA).<sup>3</sup> The incentive amount available to the Company will be adjusted based on the difference between the forecast cost of achieving deferral and the actual costs of such. In the event the number of megawatts (MWs) required to defer the traditional project increases or decreases, the incentive amount would be a further adjusted. The NWA Incentive Mechanism provides an incentive floor of \$0 and a cap of 50% of the initially-identified net benefits.

NWA Project Costs will be deferred with carrying costs.<sup>4</sup> Recovery of such costs will be amortized over a ten-year period, with offsetting credits to the extent that an NWA Project defers the need for a traditional infrastructure project included in the Company's Average Electric Plant in Service Balance.

The Company also may petition the Commission to modify the general NWA Incentive Mechanism described below if doing so is in the public interest.

### **BCA**

For Large Projects, the Company will use a full-scale BCA to compare the present value of the net costs and benefits of an NWA project versus the present value of the net costs and benefits of a traditional infrastructure project. The BCA will consider all of the benefit and cost categories in the Commission's January 21, 2016 *Order Establishing Benefit Cost Analysis Framework* ("BCA Order") and use the Company's BCA Handbook. For Small Projects, the Company will use a "streamlined" BCA, which will include the major categories of costs and benefits outlined in the BCA Order, but will not include non-energy benefits, other than carbon dioxide reductions, or any benefits which might otherwise be realized by implementing a traditional infrastructure solution.

A Large Project for NWA consideration is one where the estimated capital cost of the traditional infrastructure investment to be deferred is greater than or equal to \$1 million. Large Projects generally require a larger number of MWs and have a longer lead time.

A Small Project for NWA consideration is one where the estimated capital cost of the traditional infrastructure investment to be deferred is greater than \$500,000 but less than \$1 million. The need for Small Projects tends to develop more rapidly, and therefore they require a streamlined process for rapid response.

The Company may pursue multiple NWA Projects to defer separate traditional infrastructure projects in the same area.

<sup>&</sup>lt;sup>4</sup> Carrying costs shall be at the pre-tax weighted average cost of capital.

### NWA Incentive Mechanism Applicable to Large Projects

The Company will establish an "Initial Incentive" equal to 30 percent of the present value of net benefits (Initial Net Benefits), *i.e.*, the present value of net benefits projected at the time the Company has either entered into contracts with distributed energy resource ("DER") providers for the entire NWA project portfolio, or when there is reasonable certainty on the price of the NWA project portfolio. To establish the Initial Incentive, the Company shall make a compliance filing in Case 17-E-0238. Prior to making its compliance filing to set the Initial Incentive, the Company shall seek input from Department of Public Service Staff. Once the NWA Project has been fully implemented, the Company will calculate the Difference in NWA Project Cost, which will be equal to the initially-forecast cost of the NWA Project, less the actual cost of the NWA Project. The Final Incentive will equal the sum of the Initial Incentive and 50 percent of Difference in NWA Project Cost. The Final Incentive is subject to a floor of \$0 and a cap of 50% of the Initial Net Benefits.

Should additional MWs be needed to achieve the initially proposed deferral of a traditional infrastructure project, or to increase the duration of the deferral, the Company will make a compliance filing in Case 17-E-0238 and seek incremental MW procurements accordingly. So long as it is feasible and remains cost-beneficial to procure the additional MWs to continue deferral, the Company will be authorized to receive cost recovery of the expenditures incurred in obtaining the additional MWs, including carrying charges. However, the Company's Final Incentive would not reflect either the costs<sup>5</sup> or the benefits associated with the additional MWs. In the event the Company determines that acquiring additional MWs is technically or operationally infeasible, it will plan to implement a traditional infrastructure solution. Recovery of any incentives related to that project will be halted without requiring a refund of the amounts already collected at that time.

In the event fewer MWs are needed to achieve the intended deferral of traditional infrastructure, the Company will only reduce the number of MWs it plans to procure if both the need for reduced MWs is shown to be a sustained downward trend over a three-year period, and the Company needs only 70 percent or fewer of the initially-forecast MWs to achieve the intended deferral. The Company will true-up the incentive by converting the Initial Incentive to an Initial Unit Incentive by dividing its 30 percent share of Initial Net Benefits by the initial number of MWs it forecasted. Similarly, the Difference in NWA Project Cost to achieve deferral will be calculated on a per-MW basis, the Unit Difference in NWA Project Cost, by dividing the actual NWA Project Cost by the number of MWs required. The Final Incentive will be calculated as the sum of the Initial Unit Incentive plus or minus the Unit Difference in NWA Project Cost, multiplied by the reduced amount of MWs determined to be necessary, subject to the same 50 percent share of Initial Net Benefits incentive cap and \$0 incentive floor provisions.

The expenditures related to acquiring such additional MWs will not be considered in the Difference in NWA Project Cost used to calculate the Final Incentive.

### NWA Incentive Mechanism Applicable to Small Projects

Similar to Large Projects, the Initial Incentive related to Small Projects will be based on a 30 percent share of the present value of net benefits (Initial Net Benefits), *i.e.*, the present value of net benefits projected at the time the Company has either entered into contracts with DER providers for the entire NWA project portfolio, or when there is reasonable certainty on the price of the NWA project portfolio. For Small Projects, however, the initial incentive will be set on a per MW basis. This Initial Unit Incentive is calculated by dividing the 30 percent share of Initial Net Benefits by the number of MWs to be procured for the NWA project. To establish the Initial Unit Incentive, the Company shall make a compliance filing in Case 17-E-0238. Prior to making its compliance filing to set the Initial Unit Incentive, the Company shall seek input from Department of Public Service Staff. Once the NWA Project has been fully implemented, the Company will calculate the Unit Difference in NWA Project Cost, equal to the initially-forecast cost of the NWA Project minus the actual cost of the NWA Project, divided by the number of MWs required. The Final Incentive will be determined by adding the Unit Difference in NWA Project Cost to the Initial Unit Incentive, multiplied by the MWs required.

For Small Projects, the Company will consider its need for more or fewer MWs using an annual analysis. Should additional MWs be needed to achieve the initially proposed deferral of a traditional infrastructure project, or to increase the duration of the deferral, the Company will make a compliance filing in Case 17-E-0238 and seek incremental MW procurements accordingly. So long as it is feasible and remains cost-beneficial to procure the additional MWs to continue deferral, the Company will be authorized to receive cost recovery of the expenditures incurred in obtaining the additional MWs, including carrying charges. However, the Company's Final Incentive would not reflect either the costs<sup>6</sup> or the benefits associated with the additional MWs. In the event the Company determines that acquiring additional MWs is technically or operationally infeasible, it will plan to implement a traditional infrastructure solution. Recovery of any incentives related to that project will be halted without requiring a refund of the amounts already collected at that time.

If the annual needs assessment determines that fewer MWs are required to achieve the intended deferral of traditional infrastructure, the Company will only seek to decrease its procurements if it determines that it needs only 70 percent or fewer of the initially-forecast MWs to achieve the intended deferral. In the event of a reduction in the number of MWs required, the Unit Difference in NWA Project Cost will be calculated, as if the MW reduction did not occur. The Final Incentive, however, will be calculated as the sum of the Initial Unit Incentive and the Unit Difference in NWA Project Cost, multiplied by the reduced amount of MWs determined to

The expenditures related to acquiring such additional MWs will not be considered in the Difference in NWA Project Cost used to calculate the Final Incentive.

be necessary, subject to the same 50 percent share of Initial Net Benefits incentive cap and \$0 incentive floor provisions.

### NWA Cost and Incentive Recovery

Consistent with the Track Two Order, the Company's Capital Investment Reconciliation Mechanism is revised to remove the financial disincentive utilities face when engaging in NWA projects. To the extent an NWA project results in the Company displacing a capital project that is reflected in the Average Electric Plant in Service Balances, the balance(s) will be reduced to exclude the forecasted net plant associated with the displaced project. The carrying charge associated with the displaced project will be applied as a credit against the recovery of the associated NWA project cost to be recovered from customers. In the event the carrying charge on the net plant of any displaced project is higher than the recovery of the associated NWA project costs, the difference will be deferred for the benefit of customers.

NWA project costs and the Final Incentive under the NWA Incentive Mechanism will be allocated to each Service Class (SC) based on the following allocators: (1) 1CP for the transmission portion (if any) of the deferred traditional project; and (2) non-coincident demand allocator for the sub-transmission and distribution portions of the deferred traditional project. For example, the costs and incentives related to an NWA project which defers the need for sub-transmission infrastructure would be allocated to SCs based on their non-coincident sub-transmission demand allocator. Similarly, the costs and incentives related to an NWA project which defers the need for primary-voltage distribution infrastructure would be allocated to SCs based on their non-coincident primary demand allocator. If an NWA project will benefit only certain classes of customers, the cost allocation will be limited to the benefitted classes.

Once allocated to each SC, these costs would be recovered through an electric rate statement, which will be filed with the Commission and posted to the Company's website, that indicates the NWA surcharge rate to be included in the delivery charge, and to roll the NWA surcharge into the delivery charge line item on customers' bills, either the per kW or per kWh rate, on a demand-basis where available and on an energy-basis where necessary.

### Amortization of NWA Project Costs and Incentives

The Company will recover its NWA project costs over a ten-year period. The ten-year recovery period will begin when the NWA project costs are realized. Any unamortized costs plus carrying charges, will be incorporated into base rates when electric base rates are reset.

For Large Projects, the Company will be awarded and begin collecting the Final Incentive from customers once 70 percent of the MWs it procured for the NWA project have become operational and have been verified through the Company's measurement and verification procedures. For Small Projects requiring more than one MW of DER, the Company will be awarded and begin collecting an amount equal to the Initial Unit Incentive as each MW

of the NWA portfolio becomes operational. For Small Projects less than one MW of DER, the Company will be awarded and begin collecting the Final Incentive once the entire NWA portfolio is operational. For both Large and Small Projects, once awarded, the Company will amortize the Final Incentive of an NWA project over the remaining deferral period for the traditional infrastructure project, inclusive of carrying costs on the unamortized balance of the Final Incentive.

### **Reporting Requirements**

The Company will submit a detailed implementation plan and BCA for each NWA project once there is reasonable certainty as to the costs of the NWA project portfolio. The implementation plan for each NWA will include, at a minimum: (1) detailed measurement and verification procedures; (2) the portfolio of component load reductions or DER to be implemented; (3) the anticipated costs of the NWA; (4) a demonstration of whether the costs of the NWA projects are incremental to the Company's revenue requirement or will be displacing a project subject to the Capital Investment Reconciliation Mechanism; (5) a customer and community outreach plan; and (6) the BCA results when available. The implementation plan for each project will be updated at least annually; however, the Company will also update relevant plans promptly, if it determines it needs to increase or decrease the number of MWs required to effectuate an NWA project, or if the length of the deferral period for the traditional infrastructure solution associated with the NWA is modified. Annual implementation plans will be filed by January 31 of each year. If the number of MWs or length of deferral is modified, the Company shall also file an updated BCA, as appropriate.

In addition, the Company also will file quarterly reports showing: (1) NWA project expenditures and all relevant details with respect to project costs; (2) a description of the NWA project activities; (3) anticipated project in-service dates; (4) NWA cost and incentive recoveries; and (5) identification of operational savings or other benefits. The quarterly reports shall be filed in Case 17-E-0238 60 days after the close of each calendar year quarter.

# APPENDIX 14

### **Major Storm Expense Provisions**

The Company's annual electric revenue requirements provide funding for Major Storm Incremental Costs (as defined below) of \$23 million in each of the Rate Years. The Company will defer the difference between the base rate allowance and actual Major Storm Incremental Costs for future refund to or recovery from customers.

As of the Effective Date, Niagara Mohawk will credit the deferral account with a monthly amount of \$1.916 million, which equals  $1/12^{th}$  of the \$23 million included in base rates. An illustrative example of the Major Storm Incremental Costs reconciliation is provided in Attachment A hereto.

### 1.0 <u>Definitions</u>

- 1.1 <u>Major Storm</u> only for purposes of the deferral of costs, a period of adverse weather will be considered a Major Storm if:
  - a. service interruptions affect at least 10 percent of the customers in an operating area; and/or
  - b. service interruptions result in at least one percent of the customers in an operating area being without electric service for durations of at least 24 hours. Niagara Mohawk will provide data showing that a period of adverse weather qualifies as a Major Storm by affected operating area as part of its backup support for the deferral of Incremental Costs.
- 1.2 <u>Incremental Costs</u> Incremental Costs include overtime and payroll taxes paid to employees to restore service following a Major Storm, rest time wages incurred as the result of a Major Storm as specified in Niagara Mohawk's union contracts, outside vendor costs (including the costs of crews from affiliate companies), lodging and meal charges, and material and supply charges that Niagara Mohawk would not have incurred, except for the Major Storm. Any capitalized costs will be excluded from Incremental Costs, and proceeds from insurance, the Federal Emergency Management Agency, New York State or any other reimbursement or proceeds received to cover such costs will be deducted from Incremental Costs. Niagara Mohawk will open a work order for each Major Storm, and the Incremental Costs charged as a result of any Major Storm will be subject to audit by DPS Staff.
- 1.3 <u>Ten Days Following Restoration</u> For deferral purposes only, a Major Storm will include the ten days following restoration of all customers. Except as provided below, Niagara Mohawk will not defer costs incurred after this period. The Company, however, will have the right to petition the Commission for authorization to defer qualifying Incremental Costs (as defined below) incurred more than ten days following restoration of all customers that are associated with extraordinary Major Storms such as the December 2008 Albany or October 2006 Buffalo

For operational purposes, the criteria for determining whether a storm is classified as a Major Storm remains unchanged, as set forth in 16 NYCRR Part 97.

storms. In the petition, Niagara Mohawk must demonstrate that the costs are qualifying Incremental Costs (*i.e.*, that the Incremental Costs qualify for deferral under the provisions set forth in this Appendix); however, the Company is not required to demonstrate that the Incremental Costs are material or that the Company is not earning above its allowed return on equity.

### 2.0 Per Storm Deferral Threshold; Deductible

To qualify for deferral, Incremental Costs of an individual Major Storm must be equal to or greater than \$0.400 million; however, if the Company reaches a cumulative total of \$0.800 million in Major Storms costing less than \$0.400 million, any incremental costs above the \$0.800 million will be eligible for deferral and any subsequent Major Storm will qualify for deferral without regard to an individual event threshold. If the Incremental Costs of an individual Major Storm are equal to or greater than \$0.400 million, all Incremental Costs associated with that event qualify for deferral (not just the amount that exceeds \$0.400 million).

Subject to the foregoing threshold provisions, all Incremental Costs incurred within 10 days of restoration of the last customer are subject to deferral with no per storm deductible. A per storm deductible of \$0.750 million applies only for Major Storms that require post-restoration efforts more than 10 days beyond restoration of the last customer, and only to the extent the Company seeks to defer any Incremental Costs incurred more than 10 days beyond the restoration of the last customer. In the event the Company does seek to defer Incremental Costs incurred more than 10 days beyond the restoration of the last customer, the Company also will perform an analysis of such costs to gather information for deductible levels in future rate proceedings.

### 3.0 Contractor Disallowance

The portion of Niagara Mohawk's costs of contractors that qualify for deferral as Incremental Costs will be determined in accordance with the Contractor Disallowance rule. The Contractor Disallowance rule provides that straight-time costs for contractors replacing employees with certain job titles who perform storm restoration work and who have left the Company cannot be considered Incremental Costs where the headcount in those job titles is below the level assumed in base rates. The Contractor Disallowance pertains to only the following job titles: (i) Chief Line Mechanic B Hotstick; (ii) Chief Line Mechanic A Hotstick; (iii) Line Mechanic Hotstick; (iv) Line Mechanic C; (v) Line Mechanic B; (vi) Line Mechanic A; (vii) Line Mechanic Helper; (viii) One Person Line/Trouble Mechanic; (ix) Trouble Mechanic C Hotstick; (x) Trouble Mechanic D Hotstick; (xi) Cable Splicer A; (xii) Cable Splicer B; (xiii) Cable Splicer C; (xiv) Cable Splicer Helper; (xv) Chief Cable Splicer; (xvi) Transmission Chief Live Line Bare Hand Specialist; (xvii) Transmission Line Worker A 3/C; (xviii) Transmission Line Worker C 1/C; (xix) Transmission Line Worker Hot Stick; (xx) Transmission Live Line Bare Hand Specialist; and (xxi) Transmission Line Worker Helper. An example of the Contractor Disallowance calculation is set forth in Attachment B hereto.

### 4.0 Additional Provisions

- 4.1 In its summary of Incremental Costs to be deferred with respect to any Major Storm, Niagara Mohawk will identify the portion of such Incremental Costs that represents payments to any affiliated company or companies separately from the portion of Incremental Costs that represents internal costs and costs paid to unaffiliated third-parties. Affiliated company costs will be broken down into the same cost components as used for internal Company costs.
- 4.2 Niagara Mohawk will not defer storm-related claims costs; stores handling costs originating from Niagara Mohawk; transportation costs originating from Niagara Mohawk; pension and OPEB costs; equipment rental costs unless the Company demonstrates that such costs are Incremental Costs; base labor costs associated with the contractor Pro Unlimited, its successor and or similar agencies with a majority of employees being former Company employees; and costs for cell phone usage.
- 4.3 Niagara Mohawk will defer 30 percent of base labor, associated overheads (other than pension and OPEBs), and transportation costs originating from the ServiceCo (as defined in Section 3.1 below) as Major Storm Incremental Costs.

Niagara Mohawk Power Corporation d/b/a National Grid Case 17-E-0238 Example Calculation of Deferrable Storm Costs Hypothetical Storm Events in Rate Year 2019 Attachment 2 of RPP Units (\$)

Qualifying Major Storm Event		05/01/18	07/01/18		12/1/2018 1	02/01/19		03/01/19	Total
Storm Costs									
Non-Incremental Expenses									
Base Labor	\$	150,000 \$	120,000	\$	10,810,000 \$	120,000	\$	130,000	
Benefits	-	75,000	60,000	-	5,400,000	60,000	-	70,000	
Transportation		24,000	20,000		1,730,000	20,000		30,000	
Other		1,000	1,000		70,000	1,000		11,000	
Total Non-Incremental Expense		250,000	201,000		18,010,000	201,000		241,000	18,903,000
Incremental Expenses									
Overtime		78,000	60,000		5,620,000	50,000		60,000	
Affilitiate Labor		6,500	10,000		470,000	10,000		20,000	
Contractors		275,000	220,000		19,820,000	160,000		170,000	
Materials		10,000	10,000		720,000	10,000		20,000	
Employee Expenses		2,500	2,000		180,000	3,000		13,000	
Other		2,500	2,000		180,000	3,000		13,000	
Total Incremental Expense		374,500	304,000		26,990,000	236,000		296,000	28,200,500
Total Storm Expenses		624,500	505,000		45,000,000	437,000		537,000	47,103,500
Qualifying Incremental Costs									
Total Incremental Expense	\$	374,500 \$	304,000	\$	26,990,000 \$	236,000	\$	296,000	
Adjustments									
Contractor Disallowance		(20,000)	(16,000)		(500,000)	(16,000)		(6,000)	
Service Company Exclusion		(3,500)	(3,000)		(270,000)	(3,000)		(3,000)	
Other Exclusions (cell phone, claims, et al)		(1,000)	(1,000)		(90,000)	(1,000)		(1,000)	
Total Qualifying Incremental Costs		350,000	284,000		26,130,000	216,000		286,000	27,266,000
Per Storm Deductible and Threshold		2	-		20	0		10	
Number of work days post-restoration		3	7		30	8		10	
Per Storm Deductible		0	0		(750,000)	0		0	
Individual Event Under \$400k		Yes	Yes		No	Yes		Yes	
Cumulative Costs for Individual Events Under \$400k up to \$800k		350,000	634,000		634,000	800,000		800,000	
Has \$800k Threshold Been Met?	Φ.	No	No		No	Yes	•	Yes	
Exclusion: Individual Event Under \$400k up to \$800k	\$	(350,000) \$	(284,000)	\$	- \$	(166,000)	\$	=	
Total Deferrable Storm Costs		0	0		25,380,000	50,000		286,000	25,716,000

### **Deferral Account Activity & Balance**

	Storm Reserve		Year-to-date
	(Funded in base	Deferral of Storm	Balance in Storm
	rates)	Costs	Deferral Account
April	(1,916,667)	0	(1,916,667)
May	(1,916,667)	0	(3,833,333)
June	(1,916,667)	0	(5,750,000)
July	(1,916,667)	0	(7,666,667)
August	(1,916,667)	0	(9,583,333)
September	(1,916,667)	0	(11,500,000)
October	(1,916,667)	0	(13,416,667)
November	(1,916,667)	0	(15,333,333)
December	(1,916,667)	25,380,000	8,130,000
January	(1,916,667)	0	6,213,333
February	(1,916,667)	50,000	4,346,667
March	(1,916,667)	286,000	2,716,000
Year Total	(23,000,000)	25,716,000	

Note 1: Company would need to petition for deferral of costs incurred 10 days after the last customer is restored

### **Attachment B**

### **Calculation of Contractor Disallowance Costs**

### **Principles**

- 1. The adjustment for contractor straight time is to be applied to line restoration.
- 2. The baseline and the month prior to the storm internal employee counts are defined using job titles, which are set forth in Table 2 below. The Signatory Parties agree that these job titles represent union employees with primary responsibility for line restoration activities and are the functions most likely to be supplemented with contractors during a storm response. If job titles are changed, the Company will provide a reconciliation of prior job titles to new job titles for purposes of applying the adjustment. The employee count shall pertain only to Niagara Mohawk.
- 3. The Company will provide a monthly report of internal staffing levels for the job titles defined in Table 2 below.
- 4. The Signatory Parties agree the baseline employee counts for line restoration in Rate Years One, Two, and Three are 926, 932, and 932, respectively.
- 5. The hourly billing rate applied to the contractor hours to determine the straight time is described in Line D below.
- 6. An example of how the calculation will be developed is presented in Table 1 below.
- 7. Other activities may be subject to a contractor disallowance and will be reviewed on a case by case basis.
- 8. Employees of Company affiliates will be treated as contractors.
- 9. In the event the Company employs more internal employees in the specified job titles than indicated in Principle 4, above, the Company may petition the Commission for an adjustment to the storm deferral to account for the incremental straight time of the additional employees.

### **Illustrative Example**

Table 1 is an example of the template agreed to for calculating the adjustment to deferrable contractor storm costs. The example reflects contractor and applicable employee storm response and restoration staffing and costs for several days after a hypothetical Major Storm. This

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example is presented to illustrate the method and the sources of the data to be used, and is not intended to reflect the final or agreed upon deferrable cost of any storm.

### **Explanation of Lines on Table 1**

Line [A] – See Table 2 for the agreed upon list of qualifying job titles for Line Restoration and the column titled "Staffing Baseline in Rates" in that table for the associated employee counts. The counts represent all Niagara Mohawk employees within each job title. This data should not change during the Rate Plan.

Line [B] – See the column titled "Total Actual Staffing" in Table 2 for an example of a report reflecting the number of Niagara Mohawk employees in qualifying job titles, at the end of the month prior to the month in which a Major Storm occurs. The Company will provide by the 15th of every month, the number of line restoration employees by job title who were in qualifying positions per Table 2. If a listed job title is reclassified for operational reasons, the Company will notify on-site PSC Staff of the reclassification and include that job title on subsequent monthly reports. However, listed job titles cannot be commingled with other job titles not subject to this clause.

Line [C] – The level of non-deferrable contractors equal to the total baseline employee count Line [A] less total actual employee count Line [B].

Line [D] – The agreed upon Line Contractor hourly rates for the Rate Years are \$164.76, \$168.22 and \$171.75, respectively. Rates beyond the Rate Years will be equal to the Rate Year 2021 rate inflated using the Blue Chip Economic Indicators consensus forecast of the GDP Deflator at the start of the year in which the rates apply.

Line [E] – Eight hours of straight-time per day.

Line [F] – Daily straight-time adjustment prior to the expense/capital allocation as determined for each storm, which is the result of multiplying Lines [C], [D] and [E].

Line [G] – Expense ratio equal to the sum of listed employees' labor costs charged to expense plus contractors' labor costs charged to expense, divided by the sum of listed employees' total labor costs plus contractors' total labor costs. This ratio is calculated for and applicable to each storm.

Page 1 of 2

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Major Storm Deferral - Incremental Contractor Costs
Example Calculation of a Contractor Disallowance Adjustment
Line Restoration (Line)
Attachment C, Table 1 of Appendix 14

Total Adjustment					263 571	070,'41	140,245
	926	912	14	164.76	10.453	95%	17,531 \$
5/7/2018	926	912	14	164.76 \$	0 752	95%	17,531 \$
5/6/2018	926	912	14	164.76 \$	9 63 6	95%	17,531 \$
5/5/2018	926	912	14	164.76 \$ 164.76 \$ 164.76 \$ 164.76 \$ 164.76 \$ 164.76 \$ 164.76 \$	0 627	95%	17,531 \$ 17,531 \$ 17,531 \$ 17,531 \$ 17,531 \$ 17,531 \$
5/4/2018	926	912	14	164.76 \$	9 63	6 55,431 95%	17,531 \$
5/3/2018	926	912	14	164.76 \$	10 753 6	95%	17,531 \$
5/2/2018	926	912	14	164.76 \$	10 453	95%	17,531 \$
5/1/2018	926	912	14		10 453	95%	17,531 \$
	_			~	9	• _	\$
	Baseline Employee Count [A]	Actual Employee Count [B]	Non-deferrable Contractor Count [C]	Straight-time Contractor Rate [D] \$ Straight-time Houre Der Dav. FF1	Canagar anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 anno 1 a	Daily suargin-time Adjustment before Capital Adjustment [F]  Percentage charged to expense [G]	Straight-time Adjustment [H] \$

## Notes

$^{\prime}$
Table
See
rates -
Ξ.
employees
Line
Baseline
₹

Hypothetical actual total Line employees in month prior to the major storm Non-Deferrable Contractor equivalent headcount [A] - [B]
Straight-time equivalent hourly rate - See Page 2 of 2
Daily Straight time adjustment before capital adjustment [C] x [D] x [E]
Percent of Labor and Contractor costs charged to expense
Daily Straight time adjustment [F] x [G]

Case 17-E-0238 & 17-G-0239 Appendix 14 Attachment B Table 1 Page 2 of 2

Niagara Mohawk Power Corporation d/b/a National Grid PSC Case 17-E-0238 & 17-G-0239 Major Storm Deferral - Contractor Disallowance Adjustment Calculation of an Average Hourly Contractor Rate Line Restoration (Line) Support for Appendix 14, Section 3.0

		Blue Chip		Hourly
	Time Period	Inflation Rate	Co	ontractor Rate
1	Inflate to March 31, 2014		\$	149.20
2	Inflate to March 31, 2015		\$	152.37
3	Inflate to March 31, 2016		\$	155.72
4	Inflate to March 31, 2017	1.54%	\$	158.12
5	Inflate to March 31, 2018	2.01%	\$	161.30
6	Inflate to March 31, 2019	2.15%	\$	164.76
7	Inflate to March 31, 2020	2.10%	\$	168.22
8	Inflate to March 31, 2021	2.10%	\$	171.75

#### **Line Notes**

- 1 3 The 2014-2016 rates were originally calculated in Section 1.2.3.3, Attachment 2a, Principle 5 of the Rate Plan Provisions in Case 12-E-0201
- 4 8 For years beyond March 31, 2016, the rate for a given year is equal to the 2016 rate inflated to that year using the Blue Chip GDP Deflater forecast in Exhibit\_\_\_RRP-8CU.

Niagara Mohawk Power Corporation d'b'a National Grid PSC Case 17-E-0238 & 17-G-0239 Baseline Line Restoration Employee Count by Job Title For Calculation of Straight-time Adjustment to Storm Contractor Costs Attachment C, Table 2 of Appendix 14

netical Staffing	or to a Storm	: 1 Example)	Staffing
FY 2019 Hypothetical Staffing	for Month Prior to a Storm	(used in Table 1 Example)	
		ĺ	

Below	Baseline						£-			9-		5-												
Total Actual	Staffing	16	11	28	9	26	303	29	72	45	21	212	62	9	1	3	12	19	5	5	23	5	2	
	FY 2021	16	11	28	9	26	306	29	72	51	21	217	62	9	1	3	12	19	5	5	23	6	4	
	020	16	11	28	9	26	306	29	72	51	21	217	62	9	_	Э	12	19	5	5	23	6	4	

							Total Actual	
	Work Discipline	Source	Job Title	FY 2019	FY 2019 FY 2020	FY 2021	Staffing	
_	Line Restoration	October 2017 Payroll	Cable Splicer A	91	16	16	16	
7			Cable Splicer B	11	111	11		
3			Cable Splicer C	28	28	28	28	
4			Cable Splicer Helper	9	9	9	9	
5			Chief Cable Splicer A	26	26	26	26	
9			Chief Line Mech A Htstick	306	306	306	303	
7			Line Mechanic A	29	29	29	29	_
∞			Line Mechanic B	72	72	72	72	
6			Line Mechanic C	51	51	51	45	
10			Line Mechanic Helper	21	21	21	21	
Ξ			Line Mechanic-Hot Stick	217	217	217	212	- 1
12			One Person Line/Tbl Mechanic	62	62	62	62	
13			Tran Chief Live Ln Bare Hnd Sp	9	9	9	9	
14			Tran Line Worker A 3/C	1	1	-		
15			Tran Line Worker C 1/C	3	3	3	3	
16			Tran Line Worker Hot Stick	12	12	12	12	- 1
17			Tran Live Line Bare Hand Spec	19	19	19	19	_
18			Trouble Mech C Hot Stick	5	5	5	5	
19			Trouble Mech D Hot Stick	5	5	5	5	
20		Other Initiatives	Line Mechanic A	23	23	23	23	
21			Tran Line Worker A 3/C	5	6	6	5	
22			Transmission Line Worker Helper	2	4	4	2	- 1
23	Line Restoration Total			926	932	932	912	

# APPENDIX 15

### APPENDIX 15: SERVICE QUALITY ASSURANCE PROGRAM

There will be a Service Quality Assurance Program for the Rate Plan that includes Customer Service and Electric Reliability performance measures. These measures will involve potential negative revenue adjustments with a total annual pre-tax value of \$33.8 million if satisfactory levels of service are not delivered. All of the amounts reflected below are pre-tax dollars. The Service Quality Assurance Program will be measured on a calendar year basis, beginning January 1, 2018.

### 1.0 PROGRAM OBJECTIVE

The objective of the Service Quality Assurance Program is to encourage Niagara Mohawk to provide high levels of service quality in all areas of performance throughout the Rate Plan.

# 1.1 <u>Electric and Gas Customer Service</u>

The Customer Service performance measures set forth in Section 3.0, below, are designed to maintain and improve service quality in the following operations of the Company:

- 1) Call Center Operations
- 2) Billing and Collections
- 3) Field Services

### 1.2 Electric Reliability

The Electric Reliability performance measures set forth in Section 4.0, below, are designed to maintain reliability by establishing standards for the following:

- 1) Service Reliability (SAIFI and CAIDI)
- 2) Estimating
- 3) Inspection and Maintenance ("I&M") Program

### 2.0 OVERALL APPROACH

### 2.1 Allocation of Negative Revenue Adjustments

The Service Quality Assurance Program is designed to encourage quality performance by imposing negative revenue adjustments if performance is below acceptable levels in specific Customer Service and Electric Reliability performance measures. The negative revenue adjustments are divided into the two basic areas of Niagara Mohawk's electricity and gas delivery businesses. The broad allocations of the negative revenue adjustments are set forth below and then allocated among specific service quality measures in Sections 3.0 and 4.0:

1) Total pre-tax potential negative revenue adjustments of \$19.8 million can be assessed each year for Electric & Gas Customer Service. The Customer Service negative revenue adjustments will be allocated to the electric and gas businesses

based on the current ratio of 75 percent electric and 25 percent gas and will not be recalculated annually.

2) Total pre-tax potential negative revenue adjustments of \$14.0 million can be assessed each year for Electric Reliability.

### 2.2 Reporting

- 1) Niagara Mohawk will submit annual performance results, together with supporting data and reports, to the Secretary within three months after the conclusion of each full calendar year.
- 2) For Customer Service performance, the Company will also submit quarterly performance reports within thirty days of the conclusion of the first, second, and third quarter of each calendar year. The annual Customer Service performance report will include a description of the service quality measures, the method for calculating performance, the results for the period, supporting calculations of annual results in spreadsheet format, and a narrative overall assessment of customer service performance during that calendar year.
- 3) For Electric Reliability, the Company will submit quarterly reports thirty days after the conclusion of the first, second, and third quarters of each calendar year. The quarterly reports will include SAIFI, CAIDI, Estimating, and I&M Program targets and actual results. The fourth quarter or annual Electric Reliability performance report will include SAIFI, CAIDI, Estimating, and I&M Program targets, actual results, potential pretax negative revenue adjustments and pretax negative revenue adjustments incurred.

### 2.3 Exclusions

The target levels established for the Customer Service measures listed in Section 3.0 and the Electric Reliability measures listed in Section 4.0 are based on performance under all operating conditions except:

- 1) "Major storms" that are defined as a period of adverse weather resulting in a service interruption affecting at least ten percent of the customers in an operating area or causing customers to be without electric service for at least 24 hours as stated in 16 NYCRR Part 97. Niagara Mohawk will exclude interruption data associated with major storms in a consistent manner with established procedures. The Company will request any major storm related exceptions or adjustments for the Customer Service measures detailed in Section 3.0 in its annual report to the Commission.
- 2) Abnormal operating conditions, including during any period of catastrophe, natural disaster or other unusual event not in the Company's control, affecting more than ten percent of the customers in an operating area. Niagara Mohawk

may petition for the exclusion of performance data associated with such an event. The petition should include justification for exclusion, as well as a detailed analysis of the Company's performance prior to and subsequent to the event.

3) Events that result from orders by the New York State Independent System Operator that are not a result of inappropriate actions by the Company. Niagara Mohawk may petition for the exclusion of performance data associated with such an event. The petition should include justification for exclusion as well as a detailed analysis of the Company's performance prior to and subsequent to the event.

# 3.0 <u>CUSTOMER SERVICE MEASURES</u>

A total pre-tax potential negative revenue adjustment of \$19.8 million per year associated with Electric and Gas Customer Service will be allocated across the following four measures, which are described in detail in the following subsections:

- 1) Annual PSC Complaint Rate
- 2) Residential Customer Transactions Satisfaction
- 3) Small to Medium C&I Customer Transaction Satisfaction
- 4) Percentage of Calls Answered in 30 Seconds

### 3.1 PSC Complaint Rate

A PSC Complaint is initiated with a dispute being filed by, or on the behalf of, a consumer with the Staff of the DPS Office of Consumer Services. The calculation of the metric will be based on the methodology and exclusion/downgrade process used in the Historic Test Year (the 12 months ended December 31, 2016). This statement does not prohibit DPS Staff from making changes to its internal processes provided that those changes do not materially alter performance results.

The issue of concern forming the basis for the complaint must be one within the utility's responsibility and control, including an action, practice, or conduct of the utility or its employees. Only "charged" complaints are included in the PSC Complaint Rate metric. A complaint will be considered charged when a customer, after first having contacted Niagara Mohawk to express dissatisfaction with an action, practice, or conduct of Niagara Mohawk, and having provided Niagara Mohawk a reasonable opportunity to address the matter, contacts the Commission to express dissatisfaction with such action, practice, or conduct. A complaint will not be charged if the contact with the Commission is for an opinion or inquiry. For the purposes of the PSC Complaint Rate metric, an "opinion" is an instance where a customer is contacting the Commission to voice a view on a particular issue or condition, such as a pending rate case, a change in rates or charges or the imposition of new rates or charges, or the level of executive compensation. Matters within the responsibility or control of an alternative service provider(s) will not be counted as a PSC Complaint against Niagara Mohawk under this measure.

#### The measure will be as follows:

Rate Interval	
(Complaints per 100,000	Negative Revenue Adjustment Linear
customers)	Within Ranges
<1.0	\$0
=1.0	\$1,117,500
>1.0 – 1.5	\$1,117,500 to \$7,830,000
>1.5	\$7,830,000

## 3.2 <u>Residential Transaction Satisfaction Index</u>

The Residential Transaction Satisfaction Index is calculated from monthly telephone survey results of a sample of residential customer transactions with the Company occurring in each month of the calendar year.

The survey population will include all customers of the Company in that month that had any one of the following transactions with the Company:

- 1) Connect
- 2) Disconnect
- 3) Electric Service Orders/Gas Service Orders
- 4) Service Orders
- 5) Budget
- 6) High Bill
- 7) Collections
- 8) Direct Debit

The parameters of the survey include the following criteria: a) only surveys where the respondent answered question No. 28 will be considered complete; and b) approximately 600 surveys must be completed each month.

Question No. 28 on the survey will be used to measure the Company's performance under this measure. The question asks "Overall, on a scale from 1 to 10, where 1 means dissatisfied and 10 means satisfied, how satisfied are you with the service provided by National Grid?" Satisfaction is measured by a score of 8 or higher on the question.

		• 11	1		C 11	
The	measure	XX/1	he	20	tall	UMG.

Residential Transaction	Negative Revenue Adjustment Linear
Satisfaction Index Interval	Within Ranges
>82.0	\$0
=82.0	\$577,500
<82.0 – 78.0	\$577,500 to \$3,990,000
<78.0	\$3,990,000

The Company agrees to provide Staff in advance with any proposed changes to the survey instrument (*e.g.*, additional questions/deleted questions/changes in questions) for Staff's review and comment, with a five business day turnaround for a response to the Company with any such comments or issues.

### 3.3 Small/Medium Commercial & Industrial (C&I) Transaction Satisfaction Index

The Small/Medium C&I Transaction Satisfaction Index is calculated from monthly telephone survey results of a sample of SC2 customer transactions with the Company occurring in each month of the calendar year.

The survey population will include all customers of the Company in that month that had any one of the following transactions with the Company:

- 1) Connect
- 2) Disconnect
- 3) Electric Service Orders/Gas Service Orders
- 4) Service Orders
- 5) Budget
- 6) High Bill
- 7) Collections
- 8) Direct Debit

The parameters of the survey include the following criteria: a) only surveys where the respondent answered question No. 28 will be considered complete; and b) approximately 120 surveys must be completed each month.

Question No. 28 on the survey will be used to measure the Company's performance under this measure. The question asks "Overall, on a scale from 1 to 10, where 1 means dissatisfied and 10 means satisfied, how satisfied are you with the service provided by National Grid?" Satisfaction is measured by a score of 8 or higher on the question.

Tl	:11	1	£_11	
The measure	: will	be as	1011	ows:

C&I Transaction Satisfaction	Negative Revenue Adjustment Linear
Index Interval	Within Ranges
>75.1	\$0
=75.1	\$577,500
<75.1 to 71.1	\$577,500 to \$3,990,000
<71.1	\$3,990,000

The Company agrees to provide Staff in advance with any proposed changes to the survey instrument (*e.g.*, additional questions/deleted questions/changes in questions) for Staff's review and comment, with a five business day turnaround for a response to the Company with any such comments or issues.

## 3.4 Percentage of Calls Answered within 30 Seconds

This measure is the percentage of all inbound Customer Service and Collection calls to Niagara Mohawk or its agents, regardless of location, that are answered within 30 seconds. The measure will exclude calls answered by any current or future Integrated Voice Response (IVR) applications, such as Niagara Mohawk's Customer Connection or OnCall applications. Monthly performance is reported in the quarterly reports submitted to Staff pursuant to Section 2.2.

Annual performance will be based on 12 months' data. For the year, the measure is the number of calls answered within 30 seconds as a percentage of the total calls answered during the year.

CY 2018 Cal	lls Answered Target		
% Calls Answered	Negative Revenue Adjustment Linear		
Within 30 Seconds	Within Ranges		
>78.0	\$0		
=78.0	\$577,500		
<78.0 – 72.0	\$577,500 to \$3,990,000		
<72.0	\$3,990,000		

CY 2019 Cal	ls Answered Target			
% Calls Answered	Negative Revenue Adjustment Linear			
Within 30 Seconds	Within Ranges			
>78.8	\$0			
=78.8	\$577,500			
<78.8 – 73.6	\$577,500 to \$3,990,000			
<73.6	\$3,990,000			

CY 2020 Calls Answered Target					
% Calls Answered	Negative Revenue Adjustment Linear				
Within 30 Seconds	Within Ranges				
>79.6	\$0				
=79.6	\$577,500				
<79.6 – 73.6	\$577,500 to \$3,990,000				
<73.6	\$3,990,000				

### 4.0 ELECTRIC RELIABILITY

A total pre-tax potential negative revenue adjustment of \$14 million per year associated with Electric Reliability shall be allocated across the following four measures, which are described in detail in the following subsections:

- 1) System Average Interruption Frequency Index
- 2) Customer Average Interruption Duration Index
- 3) Estimating
- 4) Inspection and Maintenance ("I&M") Program

### 4.1 System Average Interruption Frequency Index ("SAIFI")

The SAIFI metric will be based on data excluding major storms and other excludable events set forth under Section 2.3.

Beginning January 1, 2018, if the Company's SAIFI performance for the calendar year exceeds 1.08, the Company will incur a \$4 million negative revenue adjustment.

## 4.2 Customer Average Interruption Duration Index ("CAIDI")

The CAIDI metric will be based on data excluding major storms and other excludable events set forth under Section 2.3.

Beginning January 1, 2018, if the Company's CAIDI performance for the calendar year exceeds 2.10, the Company will incur a \$4 million negative revenue adjustment.

## 4.3 Estimating

For each calendar year beginning January 1, 2018, the Company will implement an estimating metric consisting of: (i) a project-specific metric and (ii) a portfolio-based metric.

### Project Metric

In each calendar year, for each individual distribution or sub-transmission capital project with an initial design estimate greater than \$100,000, the Company will compare

the final engineering estimate of each such project with the total actual costs for the project. The Company will be subject to up to a \$3 million negative revenue adjustment as indicated in the table below based on the percentage of individual projects whose actual costs are within plus or minus 25 percent of their respective final engineering estimates.

Percent of Projects with Final Costs within	Negative Revenue Adjustment
+/-25% of Final Engineering Estimate	
≥ 80%	\$0
$\geq$ 70% but < 80%	\$1 million
$\geq$ 60% but < 70%	\$2 million
<60%	\$3 million

### Portfolio Metric

In each calendar year, the Company will compare the sum of all final project actual costs against the sum of all associated final engineering estimates. If the sum of actual project costs differs from the sum of associated project final engineering estimates by more than plus or minus 15 percent, the Company will be subject to a \$1 million negative revenue adjustment.

Projects not subject to the Project Metric and not included in the Portfolio Metric include: (1) Distributed Generation ("DG"), (2) Underground Residential Development ("URD"), (3) Programs, and (4) Substations. For calculation purposes of both metrics, the Company may normalize overheads to calculate "effective rates" for overheads to be applied to the final engineering estimate of a project at the end of the project lifecycle for comparison to actual project costs. The Company also may request exceptions for discrete projects where there are scope changes or significant circumstances (e.g., external stakeholder driven changes (e.g., NYSDOT Project); in-ground conditions; et cetera).

### 4.4 I&M Program

The Company is subject to a negative revenue adjustment of \$1 million if it fails to repair at least 85 percent of Level II deficiencies (as defined in the Safety Orders in Case 04-M-0159 ("Safety Orders")) that have a repair due date within the respective calendar year within the time period allowed for such repairs under the Safety Orders (*i.e.*, one year).

The Company is subject to an additional negative revenue adjustment of \$1 million if it fails to repair at least 75 percent of Level III deficiencies (as defined in the Safety Orders) that have a repair due date within the respective calendar year within the time period allowed for such repairs under the Safety Orders (*i.e.*, three years). The Company will meet with Staff periodically to discuss I&M program repair performance.

### 5.0 ACCOUNTING MECHANISM

With the exception of negative revenue adjustments that are passed back to customers under the next paragraph, Niagara Mohawk will include in the deferral account any negative revenue adjustments associated with failure to meet the Service Quality performance targets set forth above.

Whenever the performance report filed under Section 2.2, above, shows that total negative revenue adjustments of \$7.5 million or more have accrued in the prior year, Niagara Mohawk will reflect the entire amount as a credit to the customer charge of each of its electric and gas customers using the following methodology. The portion of the credit associated with negative revenue adjustments relating to electric reliability will be determined by dividing the amount of electric reliability negative revenue adjustment accrued in the prior year by the number of Niagara Mohawk's total electric bills expected for the following July. The portion of the credit associated with negative revenue adjustments relating to customer service will be determined by dividing the amount of customer service negative revenue adjustment accrued in the prior year by the number of electric and gas bills expected for the following July. The credit will be implemented in July billings, will be accompanied by a bill insert explaining the credit, and will be fully reconciled through the deferral mechanism.

For deferral or refund purposes, the negative revenue adjustments will be accounted for as follows:

Electric Gas
See Attachment 1, Table 1
See Attachment 1, Table 2 (electric only)

2) Electric Reliability Measures

**Customer Service Measures** 

2) Electric Reliability Measures

# 6.0 <u>COMMISSION AUTHORITY</u>

1)

The Signatory Parties explicitly recognize that the Commission has the authority to modify the Service Quality Assurance Program for prospective application at any time, if, in its opinion, acceptable Service Quality is not maintained.

Case 17-E-0238 & 17-G-0239 Appendix 15 Attachment 1 Table 1 Page 1 of 4

### Niagara Mohawk Power Corporation d/b/a National Grid NY PSC Case 17-E-0238 & 17-G-0239 Annual PSC Complaint Rate (Complaints per 100,000 customers) Calendar Year 2018-2021

<u>Index</u>	<u>Electric</u>	<u>Gas</u>	<u>Total</u>
5.0	5,872,500	1,957,500	7,830,000
4.9	5,872,500	1,957,500	7,830,000
4.8	5,872,500	1,957,500	7,830,000
4.7	5,872,500	1,957,500	7,830,000
4.6	5,872,500	1,957,500	7,830,000
4.5	5,872,500	1,957,500	7,830,000
4.4	5,872,500	1,957,500	7,830,000
4.3	5,872,500	1,957,500	7,830,000
4.2	5,872,500	1,957,500	7,830,000
4.1	5,872,500	1,957,500	7,830,000
4.0	5,872,500	1,957,500	7,830,000
3.9	5,872,500	1,957,500	7,830,000
3.8	5,872,500	1,957,500	7,830,000
3.7	5,872,500	1,957,500	7,830,000
3.6	5,872,500	1,957,500	7,830,000
3.5	5,872,500	1,957,500	7,830,000
3.4	5,872,500	1,957,500	7,830,000
3.3	5,872,500	1,957,500	7,830,000
3.2	5,872,500	1,957,500	7,830,000
3.1	5,872,500	1,957,500	7,830,000
3.0	5,872,500	1,957,500	7,830,000
2.9	5,872,500	1,957,500	7,830,000
2.8	5,872,500	1,957,500	7,830,000
2.7	5,872,500	1,957,500	7,830,000
2.6	5,872,500	1,957,500	7,830,000
2.5	5,872,500	1,957,500	7,830,000
2.4	5,536,875	1,845,625	7,382,500
2.3	5,201,250	1,733,750	6,935,000
2.2	4,865,625	1,621,875	6,487,500
2.1	4,530,000	1,510,000	6,040,000
2.0	4,194,375	1,398,125	5,592,500
1.9	3,858,750	1,286,250	5,145,000
1.8	3,523,125	1,174,375	4,697,500
1.7	3,187,500	1,062,500	4,250,000
1.6	2,851,875	950,625	3,802,500
1.5	2,516,250	838,750	3,355,000
1.4	2,180,625	726,875	2,907,500
1.3	1,845,000	615,000	2,460,000
1.2	1,509,375	503,125	2,012,500
1.1	1,173,750	391,250	1,565,000
1.0	838,125	279,375	1,117,500

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## Niagara Mohawk Power Corporation d/b/a National Grid NY PSC Case 17-E-0238 & 17-G-0239 Residential Transaction Satisfaction Index Calendar Year 2018-2021

<u>Index</u>	<u>Electric</u>	Gas	<u>Total</u>
78.0	2,992,500	997,500	3,990,000
78.1	2,928,516	976,172	3,904,688
78.2	2,864,531	954,844	3,819,375
78.3	2,800,547	933,516	3,734,063
78.4	2,736,563	912,188	3,648,750
78.5	2,672,578	890,859	3,563,438
78.6	2,608,594	869,531	3,478,125
78.7	2,544,609	848,203	3,392,813
78.8	2,480,625	826,875	3,307,500
78.9	2,416,641	805,547	3,222,188
79.0	2,352,656	784,219	3,136,875
79.1	2,288,672	762,891	3,051,563
79.2	2,224,688	741,563	2,966,250
79.3	2,160,703	720,234	2,880,938
79.4	2,096,719	698,906	2,795,625
79.5	2,032,734	677,578	2,710,313
79.6	1,968,750	656,250	2,625,000
79.7	1,904,766	634,922	2,539,688
79.8	1,840,781	613,594	2,454,375
79.9	1,776,797	592,266	2,369,063
80.0	1,712,813	570,938	2,283,750
80.1	1,648,828	549,609	2,198,438
80.2	1,584,844	528,281	2,113,125
80.3	1,520,859	506,953	2,027,813
80.4	1,456,875	485,625	1,942,500
80.5	1,392,891	464,297	1,857,188
80.6	1,328,906	442,969	1,771,875
80.7	1,264,922	421,641	1,686,563
80.8	1,200,938	400,313	1,601,250
80.9	1,136,953	378,984	1,515,938
81.0	1,072,969	357,656	1,430,625
81.1	1,008,984	336,328	1,345,313
81.2	945,000	315,000	1,260,000
81.3	881,016	293,672	1,174,688
81.4	817,031	272,344	1,089,375
81.5	753,047	251,016	1,004,063
81.6	689,063	229,688	918,750
81.7	625,078	208,359	833,438
81.8	561,094	187,031	748,125
81.9	497,109	165,703	662,813
82.0	433,125	144,375	577,500

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### Niagara Mohawk Power Corporation d/b/a National Grid Small/Medium Commercial & Industrial (C&I) Transaction Satisfaction Index NY PSC Case 17-E-0238 & 17-G-0239 Calendar Year 2018-2021

<u>Index</u>	<u>Electric</u>	<u>Gas</u>	<u>Total</u>
71.1	2,992,500	997,500	3,990,000
71.2	2,928,516	976,172	3,904,688
71.3	2,864,531	954,844	3,819,375
71.4	2,800,547	933,516	3,734,063
71.5	2,736,563	912,188	3,648,750
71.6	2,672,578	890,859	3,563,438
71.7	2,608,594	869,531	3,478,125
71.8	2,544,609	848,203	3,392,813
71.9	2,480,625	826,875	3,307,500
72.0	2,416,641	805,547	3,222,188
72.1	2,352,656	784,219	3,136,875
72.2	2,288,672	762,891	3,051,563
72.3	2,224,688	741,563	2,966,250
72.4	2,160,703	720,234	2,880,938
72.5	2,096,719	698,906	2,795,625
72.6	2,032,734	677,578	2,710,313
72.7	1,968,750	656,250	2,625,000
72.8	1,904,766	634,922	2,539,688
72.9	1,840,781	613,594	2,454,375
73.0	1,776,797	592,266	2,369,063
73.1	1,712,813	570,938	2,283,750
73.2	1,648,828	549,609	2,198,438
73.3	1,584,844	528,281	2,113,125
73.4	1,520,859	506,953	2,027,813
73.5	1,456,875	485,625	1,942,500
73.6	1,392,891	464,297	1,857,188
73.7	1,328,906	442,969	1,771,875
73.8	1,264,922	421,641	1,686,563
73.9	1,200,938	400,313	1,601,250
74.0	1,136,953	378,984	1,515,938
74.1	1,072,969	357,656	1,430,625
74.2	1,008,984	336,328	1,345,313
74.3	945,000	315,000	1,260,000
74.4	881,016	293,672	1,174,688
74.5	817,031	272,344	1,089,375
74.6	753,047	251,016	1,004,063
74.7	689,063	229,688	918,750
74.8	625,078	208,359	833,438
74.9	561,094	187,031	748,125
75.0	497,109	165,703	662,813
75.1	433,125	144,375	577,500

### Niagara Mohawk Power Corporation d/b/a National Grid Percentage of Calls Answered within 30 Seconds NY PSC Case 17-E-0238 & 17-G-0239 Calendar Year 2018-2021

	CY 2	2018			CY	2019			CY 20	20-2021	
Index	Electric	Gas	Total	Index	Electric	Gas	Total	Index	Electric	Gas	Total
72.0	2,992,500	997,500	3,990,000	73.6	2,992,500	997,500	3,990,000	73.6	2,992,500	997,500	3,990,000
72.1	2,949,844	983,281	3,933,125	73.7	2,943,281	981,094	3,924,375	73.7	2,949,844	983,281	3,933,125
72.2	2,907,188	969,063	3,876,250	73.8	2,894,063	964,688	3,858,750	73.8	2,907,188	969,063	3,876,250
72.3	2,864,531	954,844	3,819,375	73.9	2,844,844	948,281	3,793,125	73.9	2,864,531	954,844	3,819,375
72.4	2,821,875	940,625	3,762,500	74.0	2,795,625	931,875	3,727,500	74.0	2,821,875	940,625	3,762,500
72.5	2,779,219	926,406	3,705,625	74.1	2,746,406	915,469	3,661,875	74.1	2,779,219	926,406	3,705,625
72.6	2,736,563	912,188	3,648,750	74.2	2,697,188	899,063	3,596,250	74.2	2,736,563	912,188	3,648,750
72.7	2,693,906	897,969	3,591,875	74.3	2,647,969	882,656	3,530,625	74.3	2,693,906	897,969	3,591,875
72.8	2,651,250	883,750	3,535,000	74.4	2,598,750	866,250	3,465,000	74.4	2,651,250	883,750	3,535,000
72.9	2,608,594	869,531	3,478,125	74.5	2,549,531	849,844	3,399,375	74.5	2,608,594	869,531	3,478,125
73.0	2,565,938	855,313	3,421,250	74.6	2,500,313	833,438	3,333,750	74.6	2,565,938	855,313	3,421,250
73.1	2,523,281	841,094	3,364,375	74.7	2,451,094	817,031	3,268,125	74.7	2,523,281	841,094	3,364,375
73.2	2,480,625	826,875	3,307,500	74.8	2,401,875	800,625	3,202,500	74.8	2,480,625	826,875	3,307,500
73.3	2,437,969	812,656	3,250,625	74.9	2,352,656	784,219	3,136,875	74.9	2,437,969	812,656	3,250,625
73.4	2,395,313	798,438	3,193,750	75.0	2,303,438	767,813	3,071,250	75.0	2,395,313	798,438	3,193,750
73.5	2,352,656	784,219	3,136,875	75.1	2,254,219	751,406	3,005,625	75.1	2,352,656	784,219	3,136,875
73.6	2,310,000	770,000	3,080,000	75.2		735,000	2,940,000	75.2	2,310,000	770,000	3,080,000
73.7	2,267,344	755,781	3,023,125	75.3	2,155,781	718,594	2,874,375	75.3	2,267,344	755,781	3,023,125
73.8	2,224,688	741,563	2,966,250	75.4	2,106,563	702,188	2,808,750	75.4	2,224,688	741,563	2,966,250
73.9	2,182,031	727,344	2,909,375	75.5	2,057,344	685,781	2,743,125	75.5	2,182,031	727,344	2,909,375
74.0	2,139,375	713,125	2,852,500	75.6	2,008,125	669,375	2,677,500	75.6	2,139,375	713,125	2,852,500
74.1	2,096,719	698,906	2,795,625	75.7	1,958,906	652,969	2,611,875	75.7	2,096,719	698,906	2,795,625
74.2	2,054,063	684,688	2,738,750	75.8	1,909,688	636,563	2,546,250	75.8	2,054,063	684,688	2,738,750
74.3	2,011,406	670,469	2,681,875	75.9	1,860,469	620,156	2,480,625	75.9	2,011,406	670,469	2,681,875
74.4	1,968,750	656,250	2,625,000	76.0	1,811,250	603,750	2,415,000	76.0	1,968,750	656,250	2,625,000
74.5	1,926,094	642,031	2,568,125	76.1	1,762,031	587,344	2,349,375	76.1	1,926,094	642,031	2,568,125
	1,883,438	627,813	2,511,250		1,712,813	570,938	2,283,750	76.2	1,883,438	627,813	2,511,250
74.7	1,840,781	613,594	2,454,375	76.3	1,663,594	554,531	2,218,125	76.3	1,840,781	613,594	2,454,375
74.8	1,798,125	599,375	2,397,500	76.4	1,614,375	538,125	2,152,500	76.4	1,798,125	599,375	2,397,500
74.9	1,755,469 1,712,813	585,156	2,340,625 2,283,750	76.5 76.6	1,565,156	521,719	2,086,875 2,021,250	76.5	1,755,469	585,156	2,340,625 2,283,750
75.0 75.1	1,670,156	570,938 556,719	2,285,730	76.7	1,515,938 1,466,719	505,313 488,906	1,955,625	76.6 76.7	1,712,813 1,670,156	570,938 556,719	2,226,875
75.2	1,627,500	542,500	2,170,000	76.8	1,400,719	472,500	1,890,000	76.8	1,627,500	542,500	2,170,000
75.3	1,584,844	528,281	2,113,125	76.9	1,368,281	456,094	1,824,375	76.9	1,584,844	528,281	2,113,125
75.4	1,542,188	514,063	2,056,250	77.0	1,319,063	439,688	1,758,750	77.0	1,542,188	514,063	2,056,250
75.5	1,499,531	499,844	1,999,375	77.1	1,269,844	423,281	1,693,125	77.1	1,499,531	499,844	1,999,375
	1,456,875	485,625	1,942,500	77.2	1,220,625	406,875	1,627,500	77.2	1,456,875	485,625	1,942,500
75.7	1,414,219	471,406	1,885,625	77.3	1,171,406	390,469	1,561,875	77.3	1,414,219	471,406	1,885,625
75.8	1,371,563	457,188	1,828,750	77.4	1,122,188	374,063	1,496,250	77.4	1,371,563	457,188	1,828,750
75.9	1,328,906	442,969	1,771,875	77.5	1,072,969	357,656	1,430,625	77.5	1,328,906	442,969	1,771,875
76.0	1,286,250	428,750	1,715,000	77.6	1,023,750	341,250	1,365,000	77.6	1,286,250	428,750	1,715,000
76.1	1,243,594	414,531	1,658,125	77.7	974,531	324,844	1,299,375	77.7	1,243,594	414,531	1,658,125
76.2	1,200,938	400,313	1,601,250	77.8	925,313	308,438	1,233,750	77.8	1,200,938	400,313	1,601,250
76.3	1,158,281	386,094	1,544,375	77.9	876,094	292,031	1,168,125	77.9	1,158,281	386,094	1,544,375
76.4	1,115,625	371,875	1,487,500	78.0	826,875	275,625	1,102,500	78.0	1,115,625	371,875	1,487,500
76.5	1,072,969	357,656	1,430,625	78.1	777,656	259,219	1,036,875	78.1	1,072,969	357,656	1,430,625
76.6	1,030,313	343,438	1,373,750	78.2	728,438	242,813	971,250	78.2	1,030,313	343,438	1,373,750
76.7	987,656	329,219	1,316,875	78.3	679,219	226,406	905,625	78.3	987,656	329,219	1,316,875
76.8	945,000	315,000	1,260,000	78.4	630,000	210,000	840,000	78.4	945,000	315,000	1,260,000
76.9	902,344	300,781	1,203,125	78.5	580,781	193,594	774,375	78.5	902,344	300,781	1,203,125
77.0	859,688	286,563	1,146,250	78.6	531,563	177,188	708,750	78.6	859,688	286,563	1,146,250
77.1	817,031	272,344	1,089,375	78.7	482,344	160,781	643,125	78.7	817,031	272,344	1,089,375
77.2	774,375	258,125	1,032,500	78.8	433,125	144,375	577,500	78.8	774,375	258,125	1,032,500
77.3	731,719	243,906	975,625					78.9	731,719	243,906	975,625
77.4	689,063	229,688	918,750					79.0	689,063	229,688	918,750
77.5	646,406	215,469	861,875					79.1	646,406	215,469	861,875
77.6	603,750	201,250	805,000					79.2	603,750	201,250	805,000
77.7	561,094	187,031	748,125					79.3	561,094	187,031	748,125
77.8	518,438	172,813	691,250					79.4	518,438	172,813	691,250
77.9	475,781	158,594	634,375					79.5	475,781	158,594	634,375
78.0	433,125	144,375	577,500					79.6	433,125	144,375	577,500

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Niagara Mohawk Power Corporation d/b/a National Grid NY PSC Case 17-E-0238 & 17-G-0239 Electric Reliability Service Quality Negative Revenue Adjustment Calculations

SAIFI

Calendar Year 2018-2021

Total

SAIFI (number of outages per customer per year) 1.08 or below

Greater than 1.08

System Average Interruption Frequency Index

4,000,000

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Niagara Mohawk Power Corporation d/b/a National Grid NY PSC Case 17-E-0238 & 17-G-0239 Electric Reliability Service Quality Negative Revenue Adjustment Calculations

CAIDI

Calendar Year 2018-2021

<u>Total</u>

-

4,000,000

Customer Average Interruption Duration Index CAIDI (average hours per interruption) 2.10 or below Greater than 2.10

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#### Niagara Mohawk Power Corporation d/b/a National Grid NY PSC Case 17-E-0238 & 17-G-0239 Electric Reliability Service Quality Negative Revenue Adjustment Calculations

1,000,000

Estimating Calendar Year 2018-2021

Estimating Total Project Metric >=80% Between 70% and 80% 1,000,000 2,000,000 Between 60% and 70% <60% 3,000,000 Portfolio Metric Between -15% and 15% difference

More than -15% or 15%

#### Niagara Mohawk Power Corporation d/b/a National Grid NY PSC Case 17-E-0238 & 17-G-0239 Electric Reliability Service Quality Negative Revenue Adjustment Calculations

I&M Program Calendar Year 2018-2021

Inspection & Maintenance ("I&M") Program

Total

Repair >=85% of Level II deficiencies

-

Failure to repair at least 85% of Level II deficiencies (as defined in the Safety Orders)

1,000,000

Repair >=75% of Level II deficiencies

Failure to repair at least 75% of Level III deficiencies (as defined in the Safety Orders)

1,000,000

# APPENDIX 16

# Corporate Structure, Affiliate Rules, and Miscellaneous Corporate Provisions

### 1.0 Corporate Structure and Affiliate Rules

### 1.1 <u>Definitions used in this document</u>

UK HoldCo – the top-level holding company in the National Grid group. This is National Grid plc or its successor as the ultimate parent company.

US HoldCo – the immediate parent and holding company for National Grid's US Utility operations. This is National Grid USA or its successor.

As used in this Section 1.0, "HoldCo" refers to both UK HoldCo and US HoldCo. Where explicit reference to one of the HoldCos is required, the term "UK HoldCo" or "US HoldCo" will be used.

RegCo or Niagara Mohawk – means Niagara Mohawk Power Corporation or its successor. Niagara Mohawk Power Corporation is a wholly owned indirect subsidiary of US HoldCo and carries on regulated transmission and electric and gas distribution services.

ServiceCo – means National Grid USA Service Company, Inc. and National Grid Engineering & Survey Inc., or any successor(s) thereto, which provide a variety of traditional corporate and administrative services.

Unregulated Competitive Energy Affiliate(s) – means any of US HoldCo's current or future unregulated affiliates engaged in competitive energy markets in New York State, including but not limited to exploration and/or production, generation, distributed energy resources ("DER"), retail energy services, or HVAC services.

Unregulated Affiliate(s) – means any of US HoldCo's current or future affiliates engaged in competitive retail services that Niagara Mohawk contracts for or provides.

National Grid Other Affiliates – means affiliates of HoldCo, including affiliates of Niagara Mohawk, but excluding Unregulated Competitive Energy Affiliates and Unregulated Affiliates.

### 1.2 Rules Governing Affiliate Transactions

### 1.2.1 Separation and Location

RegCo, HoldCo, Unregulated Competitive Energy Affiliates, Unregulated Affiliates, and National Grid Other Affiliates will each be operated as separate entities and will maintain separate books and records of account. RegCo, HoldCo, ServiceCo, and National Grid Other Affiliates may occupy the same building. RegCo may also share premises with National Grid's affiliates engaged in regulated gas and/or electric transmission and/or distribution operations if

such sharing provides for efficiencies in occupancy and use of resources. RegCo may not share a building with any Unregulated Competitive Energy Affiliates or Unregulated Affiliates.

### 1.2.2 <u>Board of Directors</u>

A majority of the RegCo Board of Directors will be Eligible Directors. An Eligible Director is any individual who is not (i) an officer or director of HoldCo or (ii) an officer or director of any Unregulated Competitive Energy Affiliate or Unregulated Affiliate. No member of the RegCo Board of Directors will also be an employee, officer, or director of any Unregulated Competitive Energy Affiliate or Unregulated Affiliate. No member of the RegCo Board of Directors will also be an employee, officer, or director of any unaffiliated competitive energy firm engaged in exploration and/or production, generation, retail energy services or HVAC services in RegCo's service territory. No member of the RegCo Board of Directors will also be an employee, officer, or director of any unaffiliated firm engaged in competitive retail services that Niagara Mohawk contracts for or provides.

# 1.2.3 <u>Accounting Issues and Dividend Limitations</u>

### **1.2.3.1** Dividend Payments

Provided that the Dividend Restrictions set forth in Section 2 of the Financial Protections adopted in the Commission's March 28, 2008 Order in Cases 01-M-0075 and 06-M-0878 do not apply and subject to compliance with Section 1.2.3.2 below, Niagara Mohawk will be permitted to pay dividends in any year up to any amount permitted under applicable law.

### **1.2.3.2** Debt Limit

For purposes of this Section 1.2.3.2, "Average Total Debt" is defined as an amount equal to (i) long-term debt, plus (ii) notes payable (including current maturities of long-term debt) appearing on Niagara Mohawk's consolidated balance sheet. "Average Total Capital" is defined as the sum of (i) Average Total Debt, (ii) common shareholder equity (excluding goodwill), and (iii) preferred stock. It is expected that, for any six month period ending at the end of a quarter, Niagara Mohawk's Average Total Debt ratio will not exceed 55 percent of its Average Total Capital, excluding goodwill.

If the Company's Average Total Debt ratio does not exceed 55 percent for the most recent six or three month period ending at the end of a quarter, there will be no dividend restrictions. If the Company's Average Total Debt ratio exceeds 55 percent for both the most recent three and six month periods, but does not exceed 57 percent in the most recent three or six month period, then Niagara Mohawk will be permitted to pay dividends up to an amount equal to but no greater than 50 percent of its net income for the previous twelve months ending at the end of a quarter until its Average Total Debt ratio for the most recent six month period ending at the end of a quarter is less than or equal to 55 percent. In addition, absent a Commission order to the contrary, if during both the most recent six and three month period ending at the end of a quarter, Niagara Mohawk's Average Total Debt ratio exceeds 57 percent, then the Company will not pay further

dividends until the Average Total Debt ratio is reduced to 55 percent or less over the most recent six months ending at the end of a quarter.

### 1.2.3.3 Bond Ratings and the Cost of Debt

If the bond rating of Niagara Mohawk falls below BBB- (Standard & Poor's) or Baa3 (Moody's), then the price of any long-term debt issued by Niagara Mohawk during the period of such reduced credit rating will be deemed, for the purpose of establishing revised electric or gas base delivery rates, to be the market price Niagara Mohawk would have incurred for issuance of the debt had the debt been issued by a BBB- (Standard & Poor's) or Baa3 (Moody's) utility at the same issue date, and any resulting difference in interest expense will be disallowed for ratemaking purposes. Niagara Mohawk's earnings sharing reports will reflect the actual debt rates outstanding for Niagara Mohawk. This provision completely supersedes Section 3 of the Financial Protections adopted in the Commission's March 28, 2008 Order in Cases 01-M-0075 and 06-M-0878.

# 1.2.3.4 <u>Debt and Equity Components Used for Ratemaking Purposes</u>

The debt and equity components used to establish Niagara Mohawk's rates will be established in individual rate proceedings.

### **1.2.3.5** Additional Financial Protections

Except for those noted as superseded herein, the Commission's financial protections in the terms and conditions of its (i) May 15, 2009 and July 29, 2009 Orders in Case 08-M-1352 and (ii) March 28, 2008 and May 29, 2008 Orders in Cases 01-M-0075 and 06-M-0878 continue in full force and effect.

### 1.2.4 Cost Allocation and Audit

**1.2.4.1** Appropriate cost allocation procedures will be followed by HoldCo and its affiliates to assure the proper allocation on a fully distributed basis, to HoldCo, RegCo, or other affiliates of the costs of any HoldCo personnel, property or services used by RegCo or other affiliates of HoldCo.

**1.2.4.2** Any future revisions to cost allocation methodologies of ServiceCo will be filed with the Secretary of the Commission.

1.2.4.3 The FERC carries out regular audits of ServiceCo. Such audits include examination of authorized cost allocation calculations and a review of internal audit policies, procedures and reports. DPS Staff will be invited to participate in such audits, in order to receive assurance that applicable transactions and/or allocations are being carried out in a compliant fashion. DPS Staff will also receive copies of all reports issued to the Company by the SEC or FERC as a result of such audits.

**1.2.4.4** The Company will meet annually with DPS Staff to review all aspects of cost allocations and their application.

1.2.4.5 If at any time the Company becomes aware of events likely to cause a reconsideration of or material change to cost allocations, it will advise Staff and arrange a meeting in order to consider those issues at that time.

## 1.2.5 Transfer of Assets from or to RegCo

Transfers of assets (or rights to use such assets) from RegCo to Unregulated Competitive Energy Affiliate(s) and Unregulated Affiliate(s) will be priced at the higher of book value or fair market value and will be subject to Commission approval, except as otherwise provided in Mutual Assistance Agreements. Transfer of assets (or rights to use such assets) from Unregulated Competitive Energy Affiliate(s) and Unregulated Affiliate(s) to RegCo will be priced at the lower of cost or fair market value.

### 1.2.6 Transfer of Services

The provision of corporate services will be subject to written contracts that, as applicable, identify the personnel, assets, and services that will be provided. The services will be provided on a fully loaded cost basis. The RegCo, HoldCo, ServiceCo, Unregulated Competitive Energy Affiliates, Unregulated Affiliates and National Grid Other Affiliates may be covered by common property/casualty and other business insurance policies. The costs of such policies will be allocated among the RegCo, HoldCo, ServiceCo, Unregulated Competitive Affiliates, Unregulated Affiliates and National Grid Other Affiliates in an equitable manner.

### 1.3 Human Resources

### 1.3.1 Separation of Employees and Officers

RegCo will have separate employees from Unregulated Affiliates and Unregulated Competitive Energy Affiliates. Operating officers (*i.e.*, those officers providing other than corporate services) of RegCo will not be operating officers of any of the Unregulated Affiliates and Unregulated Competitive Energy Affiliates. An officer of HoldCo may not be an officer of both RegCo and an Unregulated Affiliate or Unregulated Competitive Energy Affiliate. No RegCo employee or officer will also be an employee, officer or director of any unaffiliated competitive energy firm engaged in the exploration or production, generation, retail energy services or HVAC services in RegCo's service territory. No RegCo employee or officer will also be an employee, officer or director of any unaffiliated firm engaged in competitive retail services that Niagara Mohawk contracts for or provides.

### 1.3.2 Employee Transfers

**1.3.2.1** If a RegCo employee accepts a position with an Unregulated Affiliate or Unregulated Competitive Energy Affiliate, he or she will be required to resign from RegCo unless there is a conflict with the collective bargaining agreement in which

case the collective bargaining agreement would control. Any such employee will be prohibited from copying or taking any non-public customer or competitively sensitive market information from RegCo.

1.3.2.2 Employees may be transferred from RegCo to an Unregulated Affiliate or Unregulated Competitive Energy Affiliate. Transferred employees may not be reemployed by RegCo for a minimum of one year after transfer. Employees returning to RegCo may not be transferred again to an Unregulated Affiliate or Unregulated Competitive Energy Affiliate for a minimum of one year. RegCo will file annual reports to the Commission showing transfers between RegCo and Unregulated Affiliates or Unregulated Competitive Energy Affiliates by employee name, former company, former position, new company, new position, and salary or annualized base compensation. There will not be any temporary employee transfers between RegCo or US HoldCo and any Unregulated Affiliates.

**1.3.2.3** Except as provided in this Section 1.3.2, employees also may be transferred from RegCo to HoldCo or any National Grid Other Affiliate (and viceversa) without restriction.

### 1.3.3 Employee Loans in an Emergency

The foregoing provisions in no way restrict any affiliate from loaning employees to RegCo to respond to an emergency that threatens the safety or reliability of service to customers.

# 1.3.4 <u>Compensation for Transfers to Other than a Transmission or Distribution Company</u>

A one time employee transfer credit equal to 25 percent of the employee's annual salary will be applied to the deferral account for each transfer from RegCo to any Unregulated Competitive Energy Affiliate.

### 1.3.5 <u>Employee Compensation and Benefits</u>

The compensation of RegCo employees and officers may not be tied to the financial and/or stock performance of any Unregulated Competitive Energy Affiliate or National Grid Other Affiliate, but may be tied to the financial performance of HoldCo and stock performance of UK HoldCo.

Employees of HoldCo, RegCo, Unregulated Affiliates, Unregulated Competitive Energy Affiliates and National Grid Other Affiliates may participate in common pension and benefit plans.

### 1.3.6 <u>Legal Representation</u>

RegCo will have its own senior counsel, who shall not be shared with any Unregulated Affiliate or Unregulated Competitive Energy Affiliate and whose primary responsibility is RegCo. The same law firm may represent RegCo and any affiliate on any matter other than transactions between RegCo and that affiliate. On any matter not involving such an intracorporate

transaction in which the interests of RegCo may be adverse to the interests of an affiliate, RegCo will take appropriate steps to ensure that RegCo's interests are vigorously and independently protected (such steps, by way of example and not limitation, could include having separate attorneys if a single law firm is used and creating an ethical wall as an information barrier between such attorneys to avoid any potential conflict of interest). With respect to all matters handled by outside counsel, HoldCo and its affiliates will instruct outside counsel to take all reasonable steps to ensure that non-public customer and competitively sensitive information in the possession of RegCo is not communicated to an affiliate.

### 1.4 Access to Books, Records and Reports

DPS Staff will have full access, on reasonable notice, and subject to resolution of confidentiality and privilege (e.g., attorney client, attorney work product, self critical) issues, to: 1) the books and records of UK HoldCo and of the US HoldCo and its majority owned subsidiaries; and 2) the books and records of all other HoldCo subsidiaries or affiliates, in English, to the extent necessary to audit and monitor any transactions that have occurred between the RegCo and such subsidiaries or affiliates. Such access to books and records will be provided at the Company's Syracuse headquarters, provided however, that if such access is not practicable, access will be provided at whatever reasonable location the Company deems appropriate at the Company's expense.

DPS Staff currently receive copies of a number of internal utility documents. It is the Company's intention in the future to continue to provide information with a similar scope and content to that currently provided. However, the Company may wish to modify the form and/or content of its internal documents from time to time. In such cases the Company will discuss and agree with Staff the ongoing information requirements and the most appropriate way for them to be met in the future.

### 1.5 Reporting

Annually, RegCo will file reports on: transfers of assets, cost allocations, employee transfers and employees in common benefit plans. Quarterly, US HoldCo will file a list of all National Grid's SEC filings with the Commission.

### 1.6 Standards of Competitive Conduct

The following standards of competitive conduct shall govern RegCo's relationship with any Unregulated Competitive Energy Affiliates, Unregulated Affiliates, or National Grid Other Affiliates, in addition to any already covered by the Commission's rules governing Uniform Business Practices.

### 1.6.1 Use of Corporate Name and Royalties

There are no restrictions on any affiliate using the same name, trade names, trademarks, service names, service marks or a derivative of a name of the HoldCo or RegCo, or in identifying itself as being affiliated with the HoldCo or RegCo. However, no non-National Grid company will be

allowed to use the same name, trade names, trademarks, service names, service marks, or a derivative of a name of RegCo in any manner. Further, no non-National Grid company will be allowed to use the same name, trade names, trademarks, service names, service marks, or a derivative of a name of HoldCo in New York State for a period exceeding six months, provided that such use will be limited to the situation where National Grid has sold the relevant business (or the assets of the business) and restricted to (i) use of the National Grid logo during the pendency of the transition to new ownership (e.g., vehicle and facility signage) and (ii) educating customers about the sales transaction and the impacts on customers. During that six month period, DPS Staff will be given the opportunity to preview any communication using National Grid's name or logo that is to be sent from a non-National Grid company to National Grid's utility customers in New York. DPS Staff may, in the exercise of reasonable discretion, reject any customer communication it deems not in compliance with this section by providing National Grid with written notice of its specific objections. A communication will be deemed acceptable unless DPS Staff objects in a writing received by the Company within five business days of Staff's receipt of such communication from National Grid. DPS Staff and the Company will work collaboratively to resolve any disagreement as to the content of the communication.

### 1.6.2 Sales Leads

RegCo will not provide sales leads involving customers in its service territory to any affiliate or non-affiliated companies without the advanced permission of the Commission.

### 1.6.3 <u>Customer Inquiries</u>

If a customer requests information about securing any service or product offered by energy services companies ("ESCos"), the RegCo may provide a list of all known ESCos operating in the area, which may include its Unregulated Competitive Energy Affiliate(s).

### 1.6.4 Customer Information

Except for purposes of complying with applicable statutes, regulations, and orders, RegCo will not disclose to any Unregulated Competitive Energy Affiliate(s), Unregulated Affiliate(s), or nonaffiliates any customer information about its electric and gas businesses that may provide a competitive advantage in the electric or gas markets. Customer information includes, but is not limited to, confidential information that RegCo receives from a customer, prospective customer, or marketer that is not available from sources other than RegCo, unless RegCo makes such information available to all competitors on an equal basis.

RegCo will restrict access to customer information to only those employees of RegCo, or affiliates or non-affiliates whose functions require that they have access to such information. Such employees will be instructed to maintain the confidentiality of such information.

### 1.6.5 No Advantage Gained by Dealing with Affiliate

**1.6.5.1** RegCo will refrain from giving any appearance that RegCo speaks on behalf of an affiliate or that an affiliate, other than ServiceCo, speaks on behalf

of the RegCo. RegCo will not participate in any joint promotion or marketing with its Unregulated Competitive Energy Affiliates or Unregulated Affiliates.

- 1.6.5.2 RegCo will not represent to any customer, supplier, or third party that an advantage may accrue to such customer, supplier, or third party in the use of the RegCos services as a result of that customer, supplier, or third party dealing with any affiliate.
- 1.6.5.3 RegCo's affiliates will not represent to any customer, supplier, or third party that an advantage may accrue to such customer, supplier, or third party in the use of the RegCo's services as a result of that customer, supplier, or third party dealing with that affiliate.
- **1.6.5.4** RegCo will not cross-subsidize any Unregulated Competitive Energy Affiliate(s) or Unregulated Affiliate(s).
- 1.6.5.5 Release of proprietary customer information relating to customers within the RegCo's service territory will be subject to prior authorization by the customer and subject to the customer's direction regarding the person(s) to whom such information may be released. If a customer authorizes the release of information to a RegCo affiliate and one or more of the affiliate's competitors, RegCo will make that information available to the affiliate and such competitors on an equal basis.
- 1.6.5.6 RegCo will not disclose to its affiliates any customer or marketer information relative to its service territory that it receives from a marketer, customer, or potential customer that is not available from sources other than RegCo, unless it discloses such information to its affiliates' competitors contemporaneously on an equal basis to the extent practicable.
- 1.6.5.7 RegCo will use competitive bidding practices or standard offers to purchase DER until such time as the Commission determines otherwise. If a RegCo affiliate participates in a competitive bidding process for DER procurement, RegCo will engage an independent party to monitor the DER procurement selection process.
- **1.6.5.8** These provisions do not restrict the use of the name of HoldCo or RegCo as set forth in Section 1.6.1.

# 1.6.6 No Rate Discrimination

All similarly situated customers, including ESCos and customers of ESCos, whether affiliated or unaffiliated, will pay the same rates for the RegCo's utility services, including those applicable to interconnections and dispatch. If there is discretion in the application of any tariff provision, RegCo must not offer its affiliate more favorable terms and conditions than it has offered to all similarly situated competitors of the affiliate. Should RegCo provide to an ESCo or a customer of an ESCo, whether affiliated or unaffiliated, a delivery, billing, metering, or other service set forth in its tariff or associated operating procedure, at a discounted or negotiated rate or pursuant

to a special arrangement, RegCo will expeditiously post on its website the information that the Commission requires a utility to file in association with providing a discounted or negotiated rate or special arrangement, subject to the Commission's trade secret rules, if applicable, in the same manner and within the same time period for affiliates and non-affiliates.

### 1.7 <u>Annual Meeting</u>

Senior management of RegCo and US HoldCo will meet annually with senior Commission Staff to discuss the Company's plans related to capital attraction and financial performance.

### 1.8 Training and Certification/Adherence to Standards

- **1.8.1** US HoldCo and RegCo will conduct training on these principles for officers, directors, and senior managers. On an annual basis, designated officers should provide certification to the Commission of the Company's adherence to these standards.
- **1.8.2** Additionally, all RegCo employees will receive annual training on Section 1.6, Standards of Competitive Conduct, to include the types of information that may or may not be shared and RegCo policies and procedures restricting information sharing, with verification that such training has been completed.
- **1.8.3** If the Commission at any time makes a finding that it believes that compliance with these provisions has been lacking the Commission can order RegCo to pay for an independent auditor review of all applicable transactions and/or allocations.

# 1.9 <u>Commercialization of Products and Technologies Developed as a</u> Result of Research and Development

The Company's affiliates may invest in commercialization of R&D products and technologies developed by RegCo consistent with its affiliate rules. If an affiliate elects to invest, it will fairly compensate RegCo, assume the business risk(s) and will be entitled to the benefits associated with that investment.

### 1.10 Dispute Resolution

If any competitor, whether an affiliated or non-affiliated company, or customer of RegCo, believes that RegCo has acted in violation of Section 1.2, Rules Governing Affiliate Transactions, and/or Section 1.6, Standards of Competitive Conduct, such competitor or customer may provide RegCo with a written notice of the complaint. RegCo will respond to any such complaint within twenty (20) business days after receipt of the complaint. Within fifteen (15) business days after responding to such complaint, the parties will meet in an attempt to resolve the matter informally. If the parties do not meet or are not successful in resolving the matter informally, then the complainant may refer the matter to the Commission for disposition within fifteen (15) business days of filing such response, or in the event the parties meet, within fifteen (15) business days of such meeting. The Commission will maintain continuing jurisdiction over Section 1.2, Rules Governing Affiliate Transactions, and Section 1.6, Standards

of Competitive Conduct. This dispute resolution process will also be posted on RegCo's website.

### 2.0 <u>Miscellaneous Corporate Provisions</u>

### 2.1 <u>Monthly Deferral Submittal</u>

A monthly update of the deferral account balances for Niagara Mohawk's deferral accounts will be provided to on-site Staff in Syracuse, New York as close as possible to the 15th day of the following month, but in any event no later than the 21st day of the month following closing. The monthly updates will contain page referenced summaries, and will include adequate and legible backup support; the pages will be numbered, and the name and telephone number of the Company contact person responsible for each entry should be provided.

# 2.2 Reports

- **2.2.1** Niagara Mohawk will provide designated audit Staff with monthly general ledger reports, monthly financial report(s), and journal entries, as close as possible to the 15th day of the following month, but in any event no later than the 21st day of the month following closing.
- **2.2.2** Niagara Mohawk will provide designated audit Staff other reports on a timely basis. These reports include: Board of Director minutes, Commodity Adjustment Clause ("CAC") monthly filing, Transmission Revenue Adjustment Clause ("TRAC") monthly filing, PSC filings made by the Company, SEC filings, monthly budget variance reports, and financial performance reports. Supporting documentation for the filed CAC and TRAC amounts will also be provided. Niagara Mohawk and Staff will meet semiannually in May and November to review the population of reports being provided and to modify the reports in a manner that may be agreed upon. Niagara Mohawk agrees to provide a weekly IR status log to designated audit Staff.

# 2.3 PSC Annual Report

Niagara Mohawk is authorized to delay its filing of its PSC Annual Report to June 1 of each calendar year. <sup>1</sup>

### 2.4 Timely Correction of Errors and Adjustments

When the Company finds an error on the Company's books of account regulated by the Commission or agrees to an adjustment proposed by Staff, a journal entry correcting the error or making the adjustment (the "Correction") will be made. Where practicable, the journal entry will be made during the month of the determination that the Correction was required. To the extent that a journal entry cannot be made before the close of the month in which the Correction

<sup>&</sup>lt;sup>1</sup> To the extent available, the Company agrees to provide DPS Staff unaudited financial information after April 30.

was acknowledged and the Correction affects an entry in an account included in the Company's monthly deferral submittal, the Company will note the pending journal entry in that monthly submittal, together with a brief description of the Correction, the date the Company acknowledged the Correction and, if possible, the amount of the Correction. In any event, the Company will make a journal entry reflecting the Correction within three months.

## 2.5 Adjustments to Billing Loading Factors

Niagara Mohawk will adjust third-party job order billings loading factors no more than twice each year (in April and September), provided however, that, in addition, Niagara Mohawk may adjust such loading factors at any other time in the event there is a change in such loading factor (whether positive or negative) of greater than 20 percent. The April adjustment will also include any adjustment necessary to reconcile the loading factors used during the prior period to actual amounts. Further, the Company will follow the same method for capitalizing fringe benefits into its construction costs, subject to Section 1 of Appendix 9, Electric and Gas Pension and OPEB Expense Provisions.

# 2.6 <u>Internal Audits of Deferral Accounts</u>

For each fiscal year, Niagara Mohawk will conduct internal audits on at least two different deferral accounts until otherwise ordered by the Commission. When Niagara Mohawk develops its internal audit plan, it will advise on-site Staff which deferral accounts will be audited in the upcoming fiscal year. If Niagara Mohawk proposes to audit the same deferral account in two consecutive years, Niagara Mohawk will discuss this with Staff and advise Staff of the basis for the consecutive audits. Prior to conducting each internal audit of a deferral account, Niagara Mohawk's internal audit department will interview designated audit Staff to identify potential areas of concern with respect to the eligibility of costs or revenues in that account for deferral.

### 2.7 **Journal Entry Support**

Niagara Mohawk will include with each journal entry provided to designated audit Staff a summary explanation of the purpose of the journal entry and documentation supporting and, if needed, detailing the calculations of the amounts charged to the various accounts shown.

### 2.8 Goodwill Not Recovered in Jurisdictional Rates

Niagara Mohawk will not recover any portion of the \$1.215 billion in goodwill recorded in connection with the acquisition of Niagara Mohawk by National Grid, as shown in Attachment 8 of the Stipulation of the Parties dated March 27, 2007 in Case 01-M-0075 et al., in any rates regulated by the Commission during or after the period covered by the Merger Joint Proposal. In addition, no portion of such goodwill will be included in the equity component of Niagara Mohawk's capitalization for purposes of calculating Niagara Mohawk's return, future revenue requirements or any other component of such rates after the period covered by the Merger Joint Proposal.

### 2.9 Resolution of Nine Mile Sale Compliance (Case No. 01-E-0011)

With the exception of accounting resolved by Sections 7.1 - 7.4 of the Stipulation of the Parties, dated March 27, 2007 in Case 01-M-0075 *et al.*, nuclear-related costs or receipts that were unknown or unknowable at the time of the sale of the nuclear assets (for example, the results of sales tax audits, NEIL refunds, etc.) will be governed by precedent established in Case 01-E-0011 or Case No. 01-M-0075. Any adjustments resulting from any such historic or prospective costs or receipts shall be subject to audit by DPS Staff.

### 2.10 Operations in New York

Niagara Mohawk will notify the Commission prior to implementing any significant changes to the location(s) and/or means of delivery of services, including emergency response, associated with its customer service functions. Further, Niagara Mohawk's corporate headquarters will be maintained in Syracuse, New York. Niagara Mohawk also agrees that senior management responsible for day-to-day electric and gas operations in New York will maintain offices in New York State. To achieve customer service and reliability objectives, Niagara Mohawk agrees to maintain a level of workforce in New York that, in its view, is sufficient to achieve these objectives and to utilize all other necessary resources, including but not limited to, internal and external human resources, and investments in plant and technology.