

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.**

**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**

Dated: January 19, 2018

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**STATE OF NEW YORK
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

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”)¹ (collectively, the “Signatory Parties”).^{2,3}

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-0042⁴ (“Pension Settlement Loss Petition”) and the petition dated June 22, 2016 in Case 12-G-0202⁵ (“Gas Safety Metric Petition”).

I. Procedural Background

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

¹ 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.

² 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.

³ 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.”

⁴ 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.

⁵ Case 12-G-0202, Petition of Niagara Mohawk Power Corporation d/b/a National Grid to Modify its Existing Gas Safety Metric.

April 1, 2018.⁶ 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, 2017.⁷

⁶ 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.

⁷ The rebuttal testimony and exhibits of Niagara Mohawk's depreciation witness was filed on September 28, 2017.

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. Definitions

“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. Effective Date and Term

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 percent⁸ 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%
Total Capital	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%

⁸ 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 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%		6.45%	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,⁹ 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”)

⁹ 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;¹⁰ 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

¹⁰ 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. Electric Revenue Allocation and Rate Design

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_x 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 1 MW 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 customer-owned 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 be 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 twelve-month 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.¹¹

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.

¹¹ 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. Computation and Disposition of Excess Earnings

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;
- l. 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 ≤ 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 ≤ 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. Electric and Common Capital Investment Levels and Infrastructure and Operations Programs

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. Gas Capital Investment Levels and Infrastructure and Operations Programs

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	≥ 1.50 to <3.00	≥3.00 to <4.50	≥4.50 to <6.00	≥ 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 metrics¹² 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;¹³ and (iii) leak detection equipment to aid first responders. The Company will meet with Staff annually, by April 1st 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 under-spending 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,

¹² 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).

¹³ 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.¹⁴ 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.

¹⁴ 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 on-going 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 be 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 re-allocation 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. Information Services

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 – Electric	\$34.42 million	\$36.72million	\$38.63 million
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).¹⁵ 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

¹⁵ 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.¹⁶
- 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.

¹⁶ 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 1.¹⁷ 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

¹⁷ 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.¹⁸ An 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

¹⁸ 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:

Economic Development Fund Programs	Rate Year One	Rate Year Two	Rate Plan Three
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 under-expenditure 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.

Property Tax Expense	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);¹⁹ 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,

¹⁹ 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:

- a. any externally imposed accounting change;
- b. any change in the federal,²⁰ state, or local rates, laws, regulations, or precedents governing income, revenue, sales, or franchise taxes;
- c. any refunds or payments (with interest and net of deferred taxes) 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

²⁰ 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.²¹

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

²¹ 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.²²

²² 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. Electric and Gas Service Quality Assurance Program and Other 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:

	Customer Terminations* (5-Year Average)	Uncollectible Expense (5-Year Average)
5-Year Historical Average	58,000	\$52,700,000
Positive (Lower) Target (PRA)	43,000	\$39,400,000
Negative (Upper) Target (NRA)	72,000	\$66,100,000
	Positive Incentive	Negative Incentive
	\$3,591,700 if both measures are at or below Lower Targets	\$3,591,700 if both measures are at 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
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* “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 pre-construction 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
Total Leaks (Type 1, 2, 2A, 3)	CY 18	925	4 basis points
	CY 19	See Below	
	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 19 Performance → CY19 Target ↓	RA = -4,0,1	RA = 2	RA = 3	RA = 4	RA = 5
CY 18 Performance ↓		CY20 Target				
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

* “RA” means revenue adjustment resulting from that year’s actual performance.
 ** The numbers in the table represent the revenue adjustments ranging from negative four basis points up to a positive five basis point adjustment.

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

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 tickets		
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
	Locator Error
Company and Company Contractor	Company: Gas
	Contractor: Gas
	Other
Third Party	Operators
	Excavators
	Homeowners
No-Calls	Operators
	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:

Emergency Response Incentive	Response within 30 minutes		
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
Annual Records Audit	High Risk	1-10	0
		11-40	1/2
		41+	1
	Other Risk	1-30	0
		31+	1/3
Annual Field Audit	High Risk	1 – 40	1/2
		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>			
<u>Tier Description</u>	<u>Tier</u>	<u>Heat Discount</u>	<u>Non-Heat Discount</u>
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>	<u>Heat Discount</u>	<u>Non-Heat Discount</u>
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 e-mail, 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 CO₂ 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 CIAC²³ 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

²³ 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 pro-rata 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

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

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

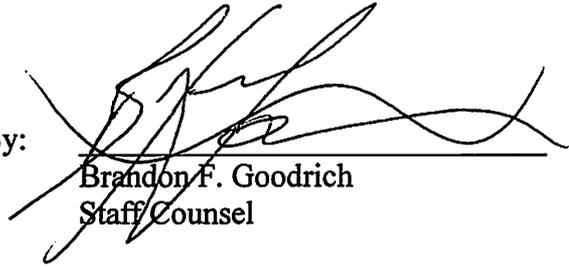
Date:

DECEMBER 21, 2017

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

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

By:



Brandon F. Goodrich
Staff Counsel

Date: 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. Mager
Michael Mager, Partner
Couch White, LLP
Counsel for Multiple Intervenors

Date: December 21, 2017

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

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

By: 

Radina Valova
Senior Staff Attorney
Pace Energy and Climate Center

Date: December 27, 2017

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

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



By:

Martin C. Rothfelder
Rothfelder Stern, L.L.C.
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 G. Koda

Richard Koda, Principal
Koda Consulting, Inc.

Counsel for International Brotherhood of Electrical Workers, Local Union 97

Date: December 22, 2017

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

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

By: Bill Nowak
Bill Nowak
Executive Director

Date: December 22, 2017

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

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: 
Christopher Spencer
Commissioner of Planning & Development

Date: December 22, 2017

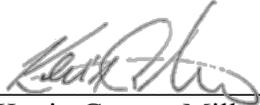
The City of Syracuse has this day signed and executed this Joint Proposal.

By: Abigail R. Hind
Abigail Hind
Assistant Corporation Counsel

Date: 12/22/17

Cases 17-E-0238

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
Michael Bauer
Director of Regulatory Affairs

Date: 12/27/2017

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

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

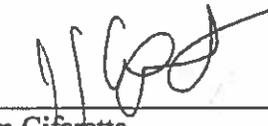
By: 
David Lundeen
Vice President

Date: 12-22-17

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

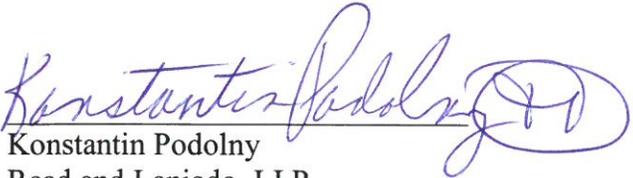
Direct Energy has this day signed and executed this Joint Proposal.

By: Angela Schorr
Angela Schorr
Manager, Government and Regulatory Affairs

Date: 1/4/18

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

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 DECEMBER 2017

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

By: 

Joseph Rende
Director – Customer Business Development

Date: JANUARY 9TH, 2018

APPENDIX 1

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, 2019
(\$000's)

	C&U Filing Rate Year Ending March 31, 2019	Adj. #	Staff Adjustments	Settlement Adjustments	Joint Proposal Rate Year Ending March 31, 2019	Base Revenue Increase Required	Rate Year Ending March 31, 2019 with Base Revenue Requirement
Operating Revenues	\$ 2,527,118	(1)	\$ (37,550)	\$ (14,655)	\$ 2,474,913	\$ 159,974	\$ 2,634,887
Deductions							
Purchased Power Costs	626,119	(2)	18,093	(18,093)	626,119		626,119
Revenue Taxes	32,289	(3)	(662)	662	32,289	2,087	34,376
Total Deductions	658,408		17,431	(17,431)	658,408	2,087	660,495
Gross Margin	1,868,710		(54,981)	2,776	1,816,505	157,887	1,974,392
Total Operation & Maintenance Expenses	1,154,934	(4)	(51,096)	10,778	1,114,616	2,533	1,117,149
Amortization of Regulatory Deferrals	2,482		-	-	2,482	-	2,482
Depreciation, Amort. & Loss on Disposition	248,992	(5)	(26,195)	8,858	231,655	-	231,655
Taxes Other Than Revenue & Income Taxes	203,587	(6)	(788)	764	203,563	-	203,563
Total Operating Revenue Deductions	1,609,995		(78,079)	20,400	1,552,317	2,533	1,554,850
Operating Income Before Income Taxes	258,715		23,098	(17,624)	264,189	155,354	419,543
Income Taxes							
Federal Income Taxes	47,391	(7)	8,495	(26,620)	29,266	30,504	59,770
State Income Taxes	4,957	(8)	5,194	(4,001)	6,150	10,098	16,248
Total Income Taxes	52,348		13,689	(30,621)	35,416	40,602	76,018
Operating Income After Income Taxes	\$ 206,367		\$ 9,409	\$ 12,996	\$ 228,773	\$ 114,752	\$ 343,525
Rate Base	\$ 5,207,221	(9)	(89,598)	\$ 143,105	\$ 5,260,727		\$ 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)

	C&U Filing Rate Year Ending March 31, 2019	Adj. #	Staff Adjustments	As Adjusted by Staff Rate Year Ending March 31, 2019	Settlement Adjustments	Rate Year Joint Proposal
Operation & Maintenance Expenses:						
Departmental Items:						
Consultants	\$ 19,830	(4a)	(759)	\$ 19,071	336	\$ 19,407
Contractors	82,982	(4t)	-	82,982	(545)	82,437
Donations	-		-	-	-	-
Employee Expenses	7,610		-	7,610	-	7,610
Hardware	372		-	372	-	372
Software	12,381		-	12,381	-	12,381
Other	21,570	(4b)	(1,762)	19,808	1,022	20,830
Rents	19,988		0	19,988	-	19,988
Service Company Rents	41,226	(4c)	(7,580)	33,646	2,414	36,060
Construction Reimbursement	416		-	416	-	416
FAS 106	16,750	(4d)	(68)	16,683	-	16,683
FAS 112	369	(4e)	(5)	364	4	368
Health Care	34,635	(4f)	(158)	34,476	-	34,476
Group Life Insurance	1,402	(4g)	(5)	1,397	-	1,397
Other Benefits	225		-	225	-	225
Pensions	32,573	(4h)	(74)	32,498	-	32,498
Thrift Plan	8,295	(4i)	(161)	8,134	126	8,260
Workers Comp	3,390	(4j)	(20)	3,370	-	3,370
Materials Outside Vendor	9,009		-	9,009	-	9,009
Materials From Inventory	5,699	(4k)	(989)	4,710	247	4,957
Materials Stores Handling	1,155		-	1,155	-	1,155
Postage	8,685		-	8,685	-	8,685
Total Labor	271,550	(4l)	(2,835)	268,715	535	269,250
Transportation	22,538	(4m)	(572)	21,966	567	22,533
Energy Efficiency program	51,458		-	51,458	-	51,458
Clean Energy Fund	161,715		-	161,715	-	161,715
Injuries and Damages	11,235		-	11,235	-	11,235
Other Initiatives	81,423	(4n)	(24,707)	56,716	5,439	62,155
Productivity Adjustment	(6,338)	(4o)	(3,087)	(9,424)	3,117	(6,307)
Rate Case Expense	493		-	493	-	493
Regulatory Assessment Fees	10,687		-	10,687	-	10,687
Uncollectible Accounts	36,302	(4p)	(595)	35,707	(220)	35,487
SIR	27,321		-	27,321	-	27,321
Vegetation Management	64,974	(4q)	(4,450)	60,524	1,320	61,844
Savings	(4,319)	(4s)	-	(4,319)	(6,853)	(11,172)
Legal	2,835		-	2,835	-	2,835
Accounting	2,014		-	2,014	-	2,014
Conservation Load Management	1,889		-	1,889	-	1,889
Storm Fund	23,000	(4r)	(3,267)	19,733	3,267	23,000
Economic Development Program	11,000		-	11,000	-	11,000
Low Income Progr. Incentive Programs	56,594		-	56,594	-	56,594
Incentive Programs	-		-	0	-	0
Sub Total - Departmental	\$ 1,154,934		\$ (51,096)	\$ 1,103,838	\$ 10,778	\$ 1,114,616
TOTAL	\$ 1,154,934		\$ (51,096)	\$ 1,103,838	\$ 10,778	\$ 1,114,616

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, 2019
(Whole Dollars)

	Federal - Electric					Net FIT
	Federal Taxable Income	Deferrable Basis	Book Taxable Income	@ the Statutory Rate	DFIT Reversals	Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	\$ 264,188,552	\$ -	\$ 264,188,552	\$ 55,480,000		\$ 55,480,000
Interest	(115,209,927)		(115,209,927)	(24,194,000)		(24,194,000)
New York State Income Taxes	(6,149,869)		(6,149,869)	(1,291,000)		(1,291,000)
Flow-through Cost of Removal	(43,846,193)		(43,846,193)	(9,208,000)		(9,208,000)
Flow-through Depreciation	42,649,194		42,649,194	8,956,000		8,956,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	318,294		318,294	67,000		67,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other - 2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-		-
Tax Only Item - State Year 2000 - (Note 1)	(2,592,689)		(2,592,689)	(544,000)		(544,000)
Tax Only Item - 3	-		-	-		-
TOTAL FIT EXPENSE	\$ 139,357,362	\$ -	\$ 139,357,362	\$ 29,266,000	\$ -	\$ 29,266,000

21.00%

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)

	State - Electric					Net SIT
	State Taxable Income	Deferrable Basis	Book Taxable Income	@ the Statutory Rate	DSIT Reversals	Before Rev Req
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	\$ 264,188,552	\$ -	\$ 264,188,552	\$ 17,172,000		\$ 17,172,000
Interest	(115,209,927)		(115,209,927)	(7,489,000)		(7,489,000)
Flow-through Cost of Removal	-		-	-		-
Flow-through Depreciation	1,720,181		1,720,181	112,000		112,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	318,294		318,294	21,000		21,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other - 2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-		-
Tax Only Item - State Year 2000 - (Note 1)	-		-	-	(1,073,442)	(1,073,442)
Tax Only Item - 3	-		-	-	(2,592,689)	(2,592,689)
TOTAL SIT EXPENSE	\$ 151,017,100	\$ -	\$ 151,017,100	\$ 9,816,000	\$ (3,666,131)	\$ 6,149,869

6.50%

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
Electric - Summary of Rate Base
For the Rate Year Ending March 31, 2019
(\$000's)

	C&U Filing Rate Year Ending March 31, 2019	Adj. #	Staff Adjustments	As Adjusted by Staff Rate Year Ending March 31, 2019	Settlement Adjustments	Rate Year Joint Proposal
Net Utility Plant	\$ 6,982,862	(9a)	(83,866)	\$ 6,898,996	70,691	\$ 6,969,687
Regulatory Assets / Liabilities	(86,082)	(9b)	302	(85,780)	-	(85,780)
Accumulated Deferred Income Taxes - Federal	(1,619,827)	(9c)	1,870	(1,617,957)	54,164	(1,563,793)
Accumulated Deferred Income Taxes - State	(229,371)	(9d)	(1,591)	(230,962)	10,441	(220,522)
Working Capital		(9e)				
Materials and supplies	40,431		-	40,431	-	40,431
Prepayments	(10,310)		-	(10,310)	-	(10,310)
O&M Cash Allowance (1/8 O&M exp)	113,182		(6,313)	106,869	7,808	114,677
Supply Cash Allowance (Dec 16 lead/lag study)	48,562		-	48,562	-	48,562
Change in Supply Cash Allowance (6.72 % x RY PP exp)	(4,078)		-	(4,078)	-	(4,078)
subtotal Working Capital	187,787		(6,313)	181,474	7,808	189,282
subtotal avg. before EBCAP adj.	5,235,368		(89,598)	5,145,770	143,105	5,288,874
Excess Earnings Base adjustment	(28,147)		-	(28,147)	-	(28,147)
Total Rate Base	\$ 5,207,221		\$ (89,598)	\$ 5,117,623	\$ 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 Annual Avg	Weighting Percent	Cost	Weighted Cost	Pre-Tax Weighted Cost
Long Term Debt	\$ 2,686,072	51.06%	4.29%	2.19%	2.19%
Customer Deposits	25,377	0.48%	0.35%	0.00%	0.00%
Preferred Stock	24,129	0.46%	3.66%	0.02%	0.03%
Common Equity	2,525,149	48.00%	9.00%	4.32%	5.85%
Total	\$ 5,260,727	100.00%		6.53%	8.07%

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	(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 Direct Amount	Settlement Adjustment Amounts	Joint Proposal Amount
Adj. 1 Operating Revenues			
(a) To adjust operating revenues to reflect Staff's sales forecast	\$ 12,984	\$ (12,984)	-
(b) To move energy efficiency costs into base rates	(51,458)	-	(51,458)
(c) To increase CSS reconnection revenue	1,601	(1,601)	-
(d) To eliminate Residential Solar Marketplace revenues	(147)	-	(147)
(e) To eliminate DG interconnection fees	(600)	-	(600)
(f) Tracking adjustment to late payment charges for increase in revenues	70	(70)	-
	<u>\$ (37,550)</u>	<u>\$ (14,655)</u>	<u>\$ (52,205)</u>
Adj. 2 Purchased Power Costs			
To reflect Staff's change in sales forecast	18,093	(18,093)	-
	<u>\$ 18,093</u>	<u>\$ (18,093)</u>	<u>\$ -</u>
Adj. 3 Revenue Taxes			
To reflect change in revenue taxes for Staff's sales forecast	(662)	662	-
	<u>\$ (662)</u>	<u>\$ 662</u>	<u>\$ -</u>
Adj. 4 Operating and Maintenance Expenses			
(a) Consultant Expense			
(1) To remove Accenture costs - 50%	(672)	336	(336)
(2) To normalize executive search firm costs	(87)	-	(87)
	<u>\$ (759)</u>	<u>\$ 336</u>	<u>\$ (423)</u>
(b) Other			
(1) To remove Grid Iron Café charges	(63)	63	-
(2) To remove sales commissions/rounding adjustments	(218)	218	-
(3) To remove Whiteman, Osterman & Hanna LLP charges	(1,481)	742	(740)
	<u>\$ (1,762)</u>	<u>\$ 1,022</u>	<u>\$ (740)</u>
(c) Service Company Rents			
(1) To disallow enhanced bill design initiative	(15)	-	(15)
(2) To impute NMPC rate of return / To impute Company's 9.0% ROE	(1,044)	470	(574)
(3) To impute a slippage adjustment / To impute Company's IS Forecast Spend Reduction	(5,175)	1,014	(4,161)
(4) To remove AMI from rate year	-	-	-
(5) To remove distribution projects from the rate year	(1,346)	1,346	-
(6) Flow through impact of Tax Law Change	-	(416)	(416)
	<u>\$ (7,580)</u>	<u>\$ 2,414</u>	<u>\$ (5,166)</u>
(d) FAS 106			
(1) To reflect the proper capitalization rate for fringe benefits	(68)	-	(68)
(2) To delay implementation of FAS175	-	-	-
	<u>\$ (68)</u>	<u>\$ -</u>	<u>\$ (68)</u>
(e) FAS 112			
To reflect the proper capitalization rate for fringe benefits	(5)	4	(1)
	<u>\$ (5)</u>	<u>\$ 4</u>	<u>\$ (1)</u>
(f) Healthcare			
To reflect the proper capitalization rate for fringe benefits	(158)	-	(158)
	<u>\$ (158)</u>	<u>\$ -</u>	<u>\$ (158)</u>
(g) Group Life Insurance			
To reflect the proper capitalization rate for fringe benefits	(5)	-	(5)
	<u>\$ (5)</u>	<u>\$ -</u>	<u>\$ (5)</u>
(h) Pension			
(1) To reflect the proper capitalization rate for fringe benefits	(74)	-	(74)
(2) To delay implementation of FAS175	-	-	-
	<u>\$ (74)</u>	<u>\$ -</u>	<u>\$ (74)</u>
(i) Thrift Plan			
(1) To reflect the proper capitalization rate for fringe benefits	(35)	-	(35)
(2) To remove inflation from the Local 97 and 97C component of thrift plan	(126)	126	-
	<u>\$ (161)</u>	<u>\$ 126</u>	<u>\$ (35)</u>
(j) Workers Comp			
To reflect the proper capitalization rate for fringe benefits	(20)	-	(20)
	<u>\$ (20)</u>	<u>\$ -</u>	<u>\$ (20)</u>
(k) Materials From Inventory			
To reflect normalization of vendor charges	(989)	247	(742)
	<u>\$ (989)</u>	<u>\$ 247</u>	<u>\$ (742)</u>
(l) Labor Expense			
(1) To remove variable pay from miscellaneous pay	(1,837)	-	(1,837)
(2) To remove variable pay from sales commission employees	(151)	-	(151)
(3) To normalize historic test year miscellaneous pay	(103)	-	(103)
(4) To limit management pay increases to 3% per year	(744)	535	(209)
	<u>\$ (2,835)</u>	<u>\$ 535</u>	<u>\$ (2,300)</u>
(m) Transportation			
(1) To remove the Service Company back billing pertaining to CY15 from the HTY	(253)	248	(5)
(2) To reflect Staff's auction proceeds	(319)	319	-
	<u>\$ (572)</u>	<u>\$ 567</u>	<u>\$ (5)</u>

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 Direct Amount		Settlement Adjustment Amounts		Joint Proposal Amount	
(n) Other Initiatives						
(1) To remove 6 FTE from EIOP Succession Planning	(67)		14		(52)	
(2) To remove 1 FTE from SSP Energy Affordability Program	(85)		0		(85)	
(3) To remove 2 FTEs from ECP DSP Functions	(226)		0		(226)	
(4) To update opex rate and NMPC allocation per DPS-505 & DPS-664	(364)		3		(362)	
(5) To reduce salaries for entry-level positions	(103)		0		(103)	
(6) To reflect slippage in hiring incremental FTEs	(721)		(0)		(721)	
(7) To adjust productivity adjustment from 1.0% to 1.5%	(23)		23		-	
(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)	
(10) To disallow the incremental customer outreach and education budget	(664)		-		(664)	
(11) To disallow enhanced bill design initiative	(398)		-		(398)	
(12) To reduce OPEX and RTB related to enhanced bill design initiative	(52)		-		(52)	
(13) To reduce OPEX and RTB related to AMI	(3,628)		-		(3,628)	
(14) To reduce OPEX and RTB related to distribution projects	(3,605)		(0)		(3,605)	
(15) To impute an IS slippage adjustment for RTB	(1,927)		639		(1,288)	
(16) To impute slippage on GBE and Grid Mod. OPEX	(3,710)		159		(3,551)	
(17) To impute a reduction to IS OPEX based on a % of allowed IS Capex	(3,550)		900		(2,650)	
(18) To reduce future management audit costs due to amortization of costs instead	(269)		-		(269)	
(19) To add 3rd party transaction fees	-		1,120		1,120	
(20) To add Customer products	-		2,000		2,000	
(21) Adjust Opex assoc w/ Capex (inflation)	-		6		6	
(22) Adjust inflation on EIOP Opex	-		(10)		(10)	
(23) Adjust inflation on IS	-		338		338	
	-	\$ (24,707)	338	\$ 5,439	338	\$ (19,267)
(o) Productivity						
(1) Flow-through adjustments tracking labor and payroll tax adjustments	38		(7)		31	
(2) To adjust productivity adjustment from 1.0% to 1.5%	(3,124)	\$ (3,087)	3,124	\$ 3,117	-	\$ 31
(p) Uncollectibles						
Flow-through adjustment tracking revenue adjustments	(595)	\$ (595)	(220)	\$ (220)	(815)	\$ (815)
(q) Vegetation Management						
To reduce transmission right-of-way vegetation management	(4,450)	\$ (4,450)	1,320	\$ 1,320	(3,130)	\$ (3,130)
(r) Major Non-Deferrable and Minor Storms						
To normalize historic test year major non-deferrable and minor storm costs	(3,267)	\$ (3,267)	3,267	\$ 3,267	-	\$ -
(s) Savings						
(1) Additional Savings	-		(8,368)		(8,368)	
(2) Flow through impact of Tax Law Change	-	\$ -	1,515	\$ (6,853)	1,515	\$ (6,853)
(t) Contractors						
Minor storms adjustment	-	\$ -	(545)	\$ (545)	(545)	\$ (545)
Total Operating & Maintenance Expense Adjustments		\$ (51,096)		\$ 10,778		\$ (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)	\$ (26,195)	5,412	\$ 8,858	-	\$ (17,337)
Adj. 6 Taxes Other Than Revenue & Income Taxes						
(a) Real Estate Taxes						
To reflect reduction to incremental additions to plant in service	(398)	\$ (398)	398	\$ 398	-	\$ -
(b) Special Franchise						
To reflect reduction to incremental additions to plant in service	(346)	\$ (346)	346	\$ 346	-	\$ -
(c) Payroll Taxes						
Flow-through adjustments tracking labor adjustments	(44)	\$ (44)	20	\$ 20	(24)	\$ (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
Adj. 8 State Income Taxes						
To adjust tax only item - state year 2000	3,506	\$ 3,506	(2,593)	\$ (2,593)	914	\$ 914
Total Income Tax Adjustments		\$ 4,733		\$ (2,593)		\$ 2,141
Adj. 9 Rate Base						
(a) Net Utility Plant						
(1) 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)	\$ (83,866)	1,026	\$ 70,691	(4,221)	\$ (13,175)

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 Direct Amount		Settlement Adjustment Amounts		Joint Proposal Amount	
(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						
(1) Flow-through adjustment related to capital pension and OPEB costs	1,149		-		1,149	
(2) To adjust ADFIT tracking OEGWs plant in service adjustments at a rate of 25%, 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	
(2) To adjust ADSIT tracking OEGWs plant in service adjustments at a rate of 25%, 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)

	C&U Filing		Adj. #	Staff Adjustments	Rate Year As Adjusted		Settlement Adjustments	Rate Year	
	Rate Year Ending March 31, 2019				By Staff			Joint Proposal	
Taxes Other Than Revenue and Income Taxes									
Real Estate Taxes									
Real Property	\$ 97,797	(6a)	(398)	\$ 97,400	\$ 97,797				
Special Franchise	85,227	(6b)	(346)	84,880	85,227				
Total Real Estate Taxes	183,024		(744)	182,280	183,024				
Payroll Taxes	20,243	(6c)	(44)	20,199	20,219				
Other	320		-	320	320				
Total Taxes Other Than Revenue and Income Taxes	\$ 203,587		(788)	\$ 202,799	\$ 203,563				

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's)

	C&U Filing Rate Year Ending March 31, 2019	Adj. #	Staff Adjustments	As Adjusted by Staff Rate Year Ending March 31, 2019	Settlement Adjustments	Rate Year Joint Proposal
Depreciation Expense (acct 403)	\$ 248,992	(5)	\$ (26,195)	\$ 222,797	\$ 8,858	\$ 231,655
Amortization Expense (acct 404-405)	-		-	-	-	-
Accretion Expense (acct 411.10)	-		-	-	-	-
(Gain) Loss on Disposition of Utility Plant (acct 411.7)	-		-	-	-	-
Total Depreciation & Amortization Expense	\$ 248,992		\$ (26,195)	\$ 222,797	\$ 8,858	\$ 231,655

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)

	C&U Filing Rate Year Ending March 31, 2019	Staff Adjustments	As Adjusted by Staff Rate Year Ending March 31, 2019	Settlement Adjustments	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	-	-	-	-	-
Less: Rate Base moved to GAC	-	-	-	-	-
Less: Excess Earnings Adj (EBCAP)	28,147	-	28,147	-	28,147
Rate Base	5,207,221	(89,598)	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%	0.00%	2.19%
Total Income Tax Interest Deduction	\$ 114,038	\$ (1,962)	\$ 112,076	\$ 3,134	\$ 115,210

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, 2019
(\$000's)

Description	C&U Filing Rate Year Ending March 31, 2019	Staff Adjustments	As Adjusted by Staff Rate Year Ending March 31, 2019	Settlement Adjustments	Rate Year Joint Proposal
Total O&M Expense	\$ 1,154,934	\$ (51,096)	\$ 1,103,838	\$ 10,778	\$ 1,114,616
Remove major non-cash items included O&M expense :					
Bad Debt expense	(36,302)	595	(35,707)	220	(35,487)
Other (EE & 18A)	(213,173)		(213,173)		(213,173)
Subtotal	(249,475)	595	(248,880)	220	(248,660)
Add major cash items not included in O&M expense:					
Other	-	-	-	51,458	51,458
Subtotal	-	-	-	51,458	51,458
Total Adjustments	(249,475)	595	(248,880)	51,678	(197,202)
Adjusted O&M Expense	\$ 905,459	\$ (50,501)	\$ 854,958	\$ 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)	-	-	-	-	-

(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)

	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)	<u>4,860,159</u>	<u>-</u>	<u>4,860,159</u>	<u>-</u>	<u>4,860,159</u>
Percent	100.00%				
(D) AVERAGE CAPITALIZATION (CE excludes merger Goodwill, and may 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)	<u>2,700,302</u>		<u>2,700,302</u>		<u>2,700,302</u>
Avg. Allocated to Elec / Gas based on Earnings Base	5,022,368		5,022,368		5,022,368
(E) Add dividends declared but unpaid representing the timing difference between declaration and payment	-	-	-	-	-
(F) SUBTOTAL (D+E)	<u>5,022,368</u>	<u>-</u>	<u>5,022,368</u>	<u>-</u>	<u>5,022,368</u>
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	<u>141,794</u>	<u>-</u>	<u>141,794</u>	<u>-</u>	<u>141,794</u>
(H) Capitalization Dedicated to Public Service (F-G)	<u>4,880,574</u>		<u>4,880,574</u>		<u>4,880,574</u>
(J) Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to Service Current Customers) (C-H)	<u>\$ (20,415)</u>		<u>\$ (20,415)</u>		<u>\$ (20,415)</u>

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, 2020
(\$000's)

	Rate Year Ending March 31, 2019	Adj. #	Adjustments	Rate Year Ending March 31, 2020	Base Revenue Increase Required	Rate Year Ending March 31, 2020 with Base Revenue Requirement
<u>Operating Revenues</u>	\$ 2,634,887	(1)	\$ (36,861)	\$ 2,598,026	\$ 31,014	\$ 2,629,040
<u>Deductions</u>						
Purchased Power Costs	626,119	(2)	(33,003)	593,116		593,116
Revenue Taxes	34,376	(3)	(416)	33,960	405	34,365
Total Deductions	660,495		(33,419)	627,076	405	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		-	2,482	-	2,482
Depreciation, Amort. & Loss on Disposition	231,655	(5)	11,297	242,952	-	242,952
Taxes Other Than Revenue & Income Taxes	203,563	(6)	6,578	210,141	-	210,141
Total Operating Revenue Deductions	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
<u>Income Taxes</u>						
Federal Income Taxes	59,770	(7)	(1,942)	57,828	5,914	63,742
State Income Taxes	16,248	(8)	(642)	15,606	1,958	17,564
Total Income Taxes	76,018		(2,584)	73,434	7,872	81,306
Operating Income After Income Taxes	\$ 343,525		\$ (2,564)	\$ 340,960	\$ 22,247	\$ 363,206
Rate Base	\$ 5,260,727	(9)	\$ 344,313	\$ 5,605,040		\$ 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)

	Joint Proposal Rate Year Ending March 31, 2019	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 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	(4l)	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	<u>\$ 1,117,149</u>		<u>\$ (16,169)</u>	<u>\$ 1,100,981</u>
TOTAL	<u>\$ 1,117,149</u>		<u>\$ (16,169)</u>	<u>\$ 1,100,981</u>

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)

	Federal - Electric					Net FIT Before Rev Req
	Federal Taxable Income	Deferable Basis	Book Taxable Income	@ the Statutory Rate	DFIT Reversals	
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	\$ 414,394,319	\$ -	\$ 414,394,319	\$ 87,023,000	\$ -	\$ 87,023,000
Interest	(119,947,865)		(119,947,865)	(25,189,000)		(25,189,000)
New York State Income Taxes	(15,605,869)		(15,605,869)	(3,277,000)		(3,277,000)
Flow-through Cost of Removal	(43,846,193)		(43,846,193)	(9,208,000)		(9,208,000)
Flow-through Depreciation	42,649,194		42,649,194	8,956,000		8,956,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	318,294		318,294	67,000		67,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other - 2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-		-
Tax Only Item	-		-	-		-
Tax Only Item - State Year 2000 - (Note 1)	(2,592,689)		(2,592,689)	(544,000)		(544,000)
Tax Only Item - 3	-		-	-		-
TOTAL FIT EXPENSE	\$ 275,369,191	\$ -	\$ 275,369,191	\$ 57,828,000	\$ -	\$ 57,828,000
	21.00%					

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, 2020
(Whole Dollars)

	State - Electric					Net SIT Before Rev Req
	State Taxable Income	Deferable Basis	Book Taxable Income	@ the Statutory Rate	DSIT Reversals	
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	\$ 414,394,319	\$ -	\$ 414,394,319	\$ 26,936,000	\$ -	\$ 26,936,000
Interest	(119,947,865)		(119,947,865)	(7,797,000)		(7,797,000)
Flow-through Cost of Removal	-		-	-		-
Flow-through Depreciation	1,720,181		1,720,181	112,000		112,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	318,294		318,294	21,000		21,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other - 2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-		-
Tax Only Item - State Year 2000 - (Note 1)	-		-	-	(1,073,442)	(1,073,442)
Tax Only Item - 3	-		-	-	(2,592,689)	(2,592,689)
TOTAL SIT EXPENSE	\$ 296,484,929	\$ -	\$ 296,484,929	\$ 19,272,000	\$ (3,666,131)	\$ 15,605,869
	6.50%					

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
Electric - Summary of Rate Base
For the Rate Year Ending March 31, 2020
(\$000's)

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

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

	Total Annual Avg	Weighting Percent	Cost	Weighted Cost	Pre-Tax Weighted 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%	9.00%	4.32%	5.85%
Total	\$ 5,605,040	100.00%		6.48%	8.02%

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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	(20,415)				
General Inflation (from 12/31/16 to 3/31/19)	4.3476%				

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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, 2020
(\$000's)

	Adjustments		Amount	
Adj. 1	Operating Revenues			
	To reflect RY20 sales forecast	\$ (36,861)	\$ (36,861)	\$ (36,861)
Adj. 2	Purchased Power Costs			
	To reflect RY20 sales forecast	(33,003)	\$ (33,003)	\$ (33,003)
Adj. 3	Revenue Taxes			
	To reflect RY20 sales forecast	(416)	\$ (416)	\$ (416)
Adj. 4	Operating and Maintenance Expenses			
(a)	Various Expenses			
	To reflect increase in expense due to inflation	4,026	\$ 4,026	\$ 4,026
(b)	Rents			
	To reflect specific RY20 forecast and general inflation	504	\$ 504	\$ 504
(c)	Service Company Rents			
(1)	To reflect RY 20 forecast	2,108		
(2)	Flow through impact of Tax Law Change	(98)	\$ 2,010	\$ 2,010
(d)	FAS 106			
	To reflect forecast per actuarial report	(6,451)	\$ (6,451)	\$ (6,451)
(e)	Pension			
	To reflect forecast per actuarial report	(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
(g)	Transportation			
	To reflect specific RY20 forecast and general inflation	64	\$ 64	\$ 64
(h)	Clean Energy Fund			
	To reflect RY 20 forecast	(1,176)	\$ (1,176)	\$ (1,176)
(i)	Other Initiatives			
	To reflect RY20 forecast and general inflation	3,605	\$ 3,605	\$ 3,605
(j)	Productivity			
	Flow through adjustment related to labor adjustment	(3,702)	\$ (3,702)	\$ (3,702)
(k)	Rate Case Expense			
		-	\$ -	\$ -
(l)	Regulatory Assessment Fees			
	To reflect specific RY20 forecast and general inflation	224	\$ 224	\$ 224
(m)	Uncollectibles			
	To reflect increase associated with change in revenue	(600)	\$ (600)	\$ (600)
(n)	Site Investigation and Remediation			
	To reflect RY 20 forecast	-	\$ -	\$ -
(o)	Vegetation Management			
	To reflect RY 20 forecast	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
Total Operating & Maintenance Expense Adjustments		<u>\$ (16,169)</u>	<u>\$ (16,169)</u>	<u>\$ (16,169)</u>

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>Adjustments</u>		<u>Amount</u>	
Adj. 5	<u>Depreciation Expense</u>				
(a)	To reflect RY20 forecast associated with Net Utility Plant	11,297	\$ 11,297	11,297	\$ 11,297
Adj. 6	<u>Taxes Other Than Revenue & Income Taxes</u>				
(a)	<u>Real Estate Taxes</u>				
	To reflect RY20 forecast	3,306	\$ 3,306	3,306	\$ 3,305.9
(b)	<u>Special Franchise</u>				
	To reflect RY20 forecast	2,881	\$ 2,881	2,881	\$ 2,881
(c)	<u>Payroll Taxes</u>				
	Flow through adjustment related to labor adjustment	385	\$ 385	385	\$ 385
(d)	<u>Other Taxes</u>				
	To reflect RY20 inflation	7	\$ 7	7	\$ 7
	Total Taxes Other Than Revenue & Income Taxes		<u>\$ 6,572</u>		<u>\$ 6,572</u>
Adj. 7	<u>Federal Income Taxes</u>				
(a)	Flow through calculation	(2,612)		(2,612)	
(b)	Impact of Tax Law change	670	\$ (1,942)	670	\$ (1,942)
Adj. 8	<u>State Income Taxes</u>				
(a)	Flow through calculation	(519)		(519)	
(b)	Flow through impact of Tax Law change	(123)	\$ (642)	(123)	\$ (642)
	Total Income Tax Adjustments		<u>\$ (2,584)</u>		<u>\$ (2,584)</u>
Adj. 9	<u>Rate Base</u>				
(a)	<u>Net Utility Plant</u>				
(1)	To reflect RY20 plant forecast	377,475	\$ 377,475	377,475	\$ 377,475
(b)	<u>Regulatory Assets / Liabilities</u>				
	To reflect RY20 forecast	(6,346)	\$ (6,346)	(6,346)	\$ (6,346)
(c)	<u>Accumulated Deferred Income Taxes - Federal</u>				
(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)	<u>Accumulated Deferred Income Taxes - State</u>				
(1)	To reflect RY20 forecast increase (includes flow through)	(11,473)	\$ (11,473)	(11,473)	\$ (11,473)
(e)	<u>Working Capital</u>				
(1)	To reflect increase in Materials due to inflation	849		849	
(2)	To reflect increase in Prepayments due to inflation	(217)		(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		<u>\$ 344,313</u>		<u>\$ 344,313</u>

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	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2020
Real Estate Taxes				
Real Property	\$ 97,797	(6a)	\$ 3,306	\$ 101,103
Special Franchise	85,227	(6b)	2,881	88,108
Total Real Estate Taxes	<u>183,024</u>		<u>6,187</u>	<u>189,211</u>
Payroll Taxes	20,219	(6c)	385	20,603
Other	320	(6d)	7	327
Total Taxes Other Than Revenue and Income Taxes	<u>\$ 203,563</u>		<u>\$ 6,578</u>	<u>\$ 210,141</u>

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, 2020
(\$000's)

	Joint Proposal Rate Year Ending March 31, 2019	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2020
Depreciation Expense (acct 403)	\$ 231,655	(5)	\$ 11,297	\$ 242,952
Amortization Expense (acct 404-405)	-		-	-
Accretion Expense (acct 411.10)	-		-	-
(Gain) Loss on Disposition of Utility Plant (acct 411.7)	-		-	-
Total Depreciation & Amortization Expense	\$ 231,655		\$ 11,297	\$ 242,952

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)

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

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 Proposal Rate Year Ending March 31, 2019	Adjustments	Joint Proposal Rate Year Ending March 31, 2020
Total O&M Expense	\$ 1,114,616	\$ (13,636)	\$ 1,100,981
Remove major non-cash items included O&M expense :			
Bad Debt expense	(35,487)	(1,933)	(37,420)
Other (EE & 18A)	(213,173)	1,176	(211,996)
Subtotal	(248,660)	(756)	(249,416)
Add major cash items not included in O&M expense:			
Other	51,458	-	51,458
Subtotal	51,457.89	-	51,457.89
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)	-	-	-

(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)

	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)	<u>4,860,159</u>	<u>-</u>	<u>4,860,159</u>	<u>-</u>	<u>4,860,159</u>
Percent	100.00%				
(D) AVERAGE CAPITALIZATION (CE excludes merger Goodwill, and may 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)	<u>2,700,302</u>		<u>2,700,302</u>		<u>2,700,302</u>
Avg. Allocated to Elec / Gas based on Earnings Base	5,022,368		5,022,368		5,022,368
(E) Add dividends declared but unpaid representing the timing difference between declaration and payment	-	-	-	-	-
(F) SUBTOTAL (D+E)	<u>5,022,368</u>	<u>-</u>	<u>5,022,368</u>	<u>-</u>	<u>5,022,368</u>
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	<u>141,794</u>	<u>-</u>	<u>141,794</u>	<u>-</u>	<u>141,794</u>
(H) Capitalization Dedicated to Public Service (F-G)	<u>4,880,574</u>		<u>4,880,574</u>		<u>4,880,574</u>
(J) Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to Service Current Customers) (C-H)	<u>\$ (20,415)</u>		<u>\$ (20,415)</u>		<u>\$ (20,415)</u>

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
(\$000's)

	Rate Year Ending March 31, 2020	Adj. #	Adjustments	Rate Year Ending March 31, 2021	Base Revenue Increase Required	Rate Year Ending March 31, 2021 with Base Revenue Requirement
<u>Operating Revenues</u>	\$ 2,629,040	(1)	\$ (28,467)	\$ 2,600,573	\$ 49,801	\$ 2,650,374
<u>Deductions</u>						
Purchased Power Costs	593,116	(2)	(21,732)	571,384		571,384
Revenue Taxes	34,365	(3)	(349)	34,015	650	34,665
Total Deductions	627,481		(22,081)	605,400	650	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	-	2,482
Depreciation, Amort. & Loss on Disposition	242,952	(5)	11,070	254,022	-	254,022
Taxes Other Than Revenue & Income Taxes	210,141	(6)	6,347	216,488	-	216,488
Total Operating Revenue Deductions	1,557,047		15,966	1,573,012	789	1,573,801
<u>Operating Income Before Income Taxes</u>	444,512		(22,352)	422,161	48,362	470,523
<u>Income Taxes</u>						
Federal Income Taxes	63,742	(7)	(5,495)	58,247	9,496	67,743
State Income Taxes	17,564	(8)	(1,820)	15,744	3,144	18,888
Total Income Taxes	81,306		(7,315)	73,991	12,640	86,631
<u>Operating Income After Income Taxes</u>	\$ 363,206		\$ (15,037)	\$ 348,170	\$ 35,722	\$ 383,892
Rate Base	\$ 5,605,040	(9)	\$ 346,766	\$ 5,951,806		\$ 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)

	Joint Proposal Rate Year Ending March 31, 2020	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 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		-	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)	-	493
Regulatory Assessment Fees	10,912	(4l)	229	11,141
Uncollectible Accounts	37,911	(4m)	(473)	37,438
SIR	27,321	(4n)	-	27,321
Vegetation Management	64,443	(4o)	1,353	65,796
Savings	(11,710)	(4a)/(4s)	(544)	(12,254)
Legal	2,895	(4a)	61	2,956
Accounting	2,057	(4a)	43	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 Program Incentive Programs	56,594	(4r)	-	56,594
Incentive Programs	-		-	-
Sub Total - Departmental	<u>\$ 1,101,472</u>		<u>\$ (1,452)</u>	<u>\$ 1,100,020</u>
TOTAL	<u>\$ 1,101,472</u>		<u>\$ (1,452)</u>	<u>\$ 1,100,020</u>

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)

	Federal - Electric					Net FIT Before Rev. Req
	Federal Taxable Income	Deferable Basis	Book Taxable Income	@ the Statutory Rate	DFIT Reversals	
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	\$ 422,160,516	\$ -	\$ 422,160,516	\$ 88,654,000		\$ 88,654,000
Interest	(125,583,112)		(125,583,112)	(26,372,000)		(26,372,000)
New York State Income Taxes	(15,743,869)		(15,743,869)	(3,306,000)		(3,306,000)
Flow-through Cost of Removal	(43,846,193)		(43,846,193)	(9,208,000)		(9,208,000)
Flow-through Depreciation	42,649,194		42,649,194	8,956,000		8,956,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	-		-	-		-
GAIN ON REDEMPTION BONDS	318,294		318,294	67,000		67,000
Other - 2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-		-
Tax Only Item	-		-	-		-
Tax Only Item - State Year 2000 - (Note 1)	(2,592,689)		(2,592,689)	(544,000)		(544,000)
Tax Only Item - 3	-		-	-		-
TOTAL FIT EXPENSE	\$ 277,362,140	\$ -	\$ 277,362,140	\$ 58,247,000	\$ -	\$ 58,247,000
	21.00%					

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, 2021
(Whole Dollars)

	State - Electric					Net SIT Before Rev. Req
	State Taxable Income	Deferable Basis	Book Taxable Income	@ the Statutory Rate	DSIT Reversals	
NET INCOME BEFORE FEDERAL & STATE INCOME TAXES	\$ 422,160,516	\$ -	\$ 422,160,516	\$ 27,440,000		\$ 27,440,000
Interest	(125,583,112)		(125,583,112)	(8,163,000)		(8,163,000)
Flow-through Cost of Removal	1,720,181		1,720,181	112,000		112,000
Flow-through Depreciation	-		-	-		-
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	318,294		318,294	21,000		21,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other - 2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-		-
Tax Only Item - State Year 2000 - (Note 1)	-		-	-	(1,073,442)	(1,073,442)
Tax Only Item - 3	-		-	-	(2,592,689)	(2,592,689)
TOTAL SIT EXPENSE	\$ 298,615,878	\$ -	\$ 298,615,878	\$ 19,410,000	\$ (3,666,131)	\$ 15,743,869
	6.50%					

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
Electric - Summary of Rate Base
For the Rate Year Ending March 31, 2021
(\$000's)

	Joint Proposal Rate Year Ending March 31, 2020	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2021
Net Utility Plant	\$ 7,347,162	(9a)	\$ 381,843	\$ 7,729,005
Regulatory Assets / Liabilities	(92,126)	(9b)	(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)	(9d)	(13,096)	(245,090)
Working Capital		(9e)		
Materials and supplies	41,280		867	42,147
Prepayments	(10,527)		(221)	(10,748)
O&M Cash Allowance (1/8 O&M exp)	112,878		50	112,928
Supply Cash Allowance (Dec 16 lead/lag study)	48,562		-	48,562
Change in Supply Cash Allowance (6.72 % x RY PP exp)	(6,294)		(1,459)	(7,754)
subtotal Working Capital	185,898		(763)	185,135
subtotal avg. before EBCAP adj.	5,633,187		346,766	5,979,953
Excess Earnings Base adjustment	(28,147)		-	(28,147)
Total Rate Base	\$ 5,605,040		\$ 346,766	\$ 5,951,806

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, 2021
(\$000's)

Joint Proposal Capital Structure Forecast

	Total Annual Avg	Weighting Percent	Cost	Weighted Cost	Pre-Tax Weighted Cost
Long Term Debt	\$ 3,038,929	51.06%	4.13%	2.11%	2.11%
Customer Deposits	28,711	0.48%	0.35%	0.00%	0.00%
Preferred Stock	27,299	0.46%	3.66%	0.02%	0.03%
Common Equity	2,856,867	48.00%	9.00%	4.32%	5.85%
Total	\$ 5,951,806	100.00%		6.45%	7.99%

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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	(20,415)				
General Inflation (from 12/31/16 to 3/31/19)	4.3476%				

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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, 2021
(\$000's)

	Adjustments		Amount	
Adj. 1 Operating Revenues	\$ (28,467)	\$ (28,467)	\$ (28,467)	\$ (28,467)
Adj. 2 Purchased Power Costs			-	
To reflect RY21 sales forecast	(21,732)	\$ (21,732)	(21,732)	\$ (21,732)
Adj. 3 Revenue Taxes				
To reflect RY21 sales forecast	(349)	\$ (349)	(349)	\$ (349)
Adj. 4 Operating and Maintenance Expenses				
(a) 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) Service Company Rents				
(1) 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				
	-	\$ -	-	\$ -
(l) 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	-	\$ -	-	\$ -
(o) 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)

		Adjustments		Amount	
Adj. 5	Depreciation Expense				
(a)	To reflect RY21 forecast associated with Net Utility Plant	11,070	\$ 11,070	11,070	\$ 11,070
Adj. 6	Taxes Other Than Revenue & Income Taxes				
(a)	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				
	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		<u>\$ 6,340</u>		<u>\$ 6,340</u>
Adj. 7	Federal Income Taxes				
(a)	Flow through calculation	(8,925)	-	(8,925)	
(b)	Impact of tax law change	3,430	\$ (5,495)	3,430	\$ (5,495)
Adj. 8	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		<u>\$ (7,315)</u>		<u>\$ (7,315)</u>
Adj. 9	Rate Base				
(a)	Net Utility Plant				
(1)	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				
(1)	To reflect RY21 forecast increase (includes flow through)	(39,052)			
(2)	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				
(1)	To reflect increase in Materials due to inflation	867		867	
(2)	To reflect increase in Prepayments due to inflation	(221)		(221)	
	To reflect increase in O&M Cash Allowance based on changes in expense levels and flow				
(3)	through impact of tax law change	50		50	
(4)	To reflect increase in Supply Cash Allowance	(1,459)	\$ (763)	(1,459)	\$ (763)
	Total Rate Base Adjustments		<u>\$ 346,766</u>		<u>\$ 346,766</u>

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
(\$000's)

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

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 Proposal Rate Year Ending March 31, 2020	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2021
Depreciation Expense (acct 403)	\$ 242,952	(5)	\$ 11,070	\$ 254,023
Amortization Expense (acct 404-405)	-		-	-
Accretion Expense (acct 411.10)	-		-	-
(Gain) Loss on Disposition of Utility Plant (acct 411.7)	-		-	-
Total Depreciation & Amortization Expense	\$ 242,952		\$ 11,070	\$ 254,023

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	Adjustments	Joint Proposal Rate Year Ending March 31, 2021
Avg Rate Base Per Books	\$ 5,633,187	\$ 346,766	\$ 5,979,953
Plus: Forecast of Avg Interest Bearing CWIP	-	-	-
Less: Rate Base moved to GAC	-	-	-
Less: Excess Earnings Adj (EBCAP)	28,147	-	28,147
Rate Base	<u>5,605,040</u>	<u>346,766</u>	<u>5,951,806</u>
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	<u>2.11%</u>	<u>-0.08%</u>	<u>2.11%</u>
Total Income Tax Interest Deduction	<u>\$ 118,266</u>	<u>\$ 2,833</u>	<u>\$ 125,583</u>

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
(\$000's)

Description	Joint Proposal Rate Year Ending March 31, 2020	Adjustments	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	(37,420)	(18)	(37,438)
Other (EE & 18A)	(211,996)	1,384	(210,612)
Subtotal	(249,416)	1,366	(248,050)
Add major cash items not included in O&M expense:			
Other	51,458	-	51,458
Subtotal	51,457.89	-	51,457.89
Total Adjustments	(197,958)	1,366	(196,592)
Adjusted O&M Expense	\$ 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)	-	-	-

(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)	<u>4,860,159</u>	<u>-</u>	<u>4,860,159</u>	<u>-</u>	<u>4,860,159</u>
Percent	100.00%				
(D) AVERAGE CAPITALIZATION (CE excludes merger Goodwill, and may 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)	<u>2,700,302</u> ¹		<u>2,700,302</u>		<u>2,700,302</u>
Avg. Allocated to Elec / Gas based on Earnings Base	5,022,368		5,022,368		5,022,368
(E) Add dividends declared but unpaid representing the timing difference between declaration and payment	-	-	-	-	-
(F) SUBTOTAL (D+E)	<u>5,022,368</u>	<u>-</u>	<u>5,022,368</u>	<u>-</u>	<u>5,022,368</u>
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	<u>141,794</u>	<u>-</u>	<u>141,794</u>	<u>-</u>	<u>141,794</u>
(H) Capitalization Dedicated to Public Service (F-G)	<u>4,880,574</u>		<u>4,880,574</u>		<u>4,880,574</u>
(J) Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to Service Current Customers) (C-H)	<u>\$ (20,415)</u>		<u>\$ (20,415)</u>		<u>\$ (20,415)</u>

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)

	Adj. #	Adjustments	Settlement Adjustments	Joint Proposal Rate Year Ending March 31, 2019	Base Revenue Increase Required	Rate Year Ending March 31, 2019 with Base Revenue Requirement
<u>Operating Revenues</u>	(1)	\$ (10,458)	\$ -	\$ 554,939	\$ 45,524	\$ 600,463
<u>Deductions</u>						
Purchased Gas Costs		-	-	178,174		178,174
Revenue Taxes		-	-	7,983	655	8,638
Total Deductions		-	-	186,156	655	186,811
Gross Margin		(10,458)	-	368,783	44,869	413,652
Total Operation & Maintenance Expenses	(2)	(19,267)	7,655	214,068	1,094	215,162
Amortization of Regulatory Deferrals		-	-	-	-	-
Depreciation, Amort. & Loss on Disposition	(3)	(127)	40	52,572	-	52,572
Taxes Other Than Revenue & Income Taxes	(4)	(4)	4	47,494	-	47,494
Total Operating Revenue Deductions		(19,397)	7,699	314,135	1,094	315,229
Operating Income Before Income Taxes		8,939	(7,699)	54,648	43,775	98,423
<u>Income Taxes</u>						
Federal Income Taxes	(5)	3,092	(6,382)	5,435	8,595	14,030
State Income Taxes	(6)	1,331	(1,040)	1,112	2,845	3,957
Total Income Taxes		4,423	(7,422)	6,547	11,440	17,987
Operating Income After Income Taxes		4,516	(277)	48,101	32,334	80,436
Rate Base	(7)	\$ (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

	C&U Filing Rate Year Ending March 31, 2019	Adj. #	Staff Adjustments	As Adjusted by Staff Rate Year Ending March 31, 2019	Settlement Adjustments	Rate Year Joint Proposal
Operation & 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		-	502	-	502
Postage	3,178		-	3,178	-	3,178
Total Labor	58,062	(2k)	(576)	57,486	125	57,611
Transportation	4,492	(2l)	(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)	(2o)	(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		-	4,821	-	4,821
Vegetation Management	-		-	-	-	-
Savings	(738)	(2s)	-	(738)	(1,604)	(2,342)
Legal	418		-	418	-	418
Accounting	381		-	381	-	381
Conservation Load Management	-		-	-	-	-
Storm Fund	-		-	-	-	-
Economic Development Plan	1,000		-	1,000	-	1,000
Low Income Program	14,905		-	14,905	-	14,905
Incentive Programs	1,000	(2q)	(618)	382	382	764
Natural Gas Vehicles	-	(2r)	492	492	(492)	-
Sub Total - Departmental	<u>\$ 225,680</u>		<u>\$ (19,267)</u>	<u>\$ 206,413</u>	<u>\$ 7,655</u>	<u>\$ 214,068</u>
TOTAL	<u>\$ 225,680</u>		<u>\$ (19,267)</u>	<u>\$ 206,413</u>	<u>\$ 7,655</u>	<u>\$ 214,068</u>

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, 2019
(Whole Dollars)

	Federal - Gas					
	as Adj. Federal Taxable Income	Deferrable Basis	Book Taxable Income	@ the Statutory Rate	DFIT Reversals	Net FIT Before Rev Req
	\$ 54,648,027	\$ -	\$ 54,648,027	\$ 11,476,000		\$ 11,476,000
Interest	(26,976,035)		(26,976,035)	(5,665,000)		(5,665,000)
New York State Income Taxes	(1,112,293)		(1,112,293)	(234,000)		(234,000)
Flow-through Cost of Removal	(8,980,546)		(8,980,546)	(1,886,000)		(1,886,000)
Flow-through Depreciation	8,735,377		8,735,377	1,834,000		1,834,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	65,193		65,193	14,000		14,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other - 2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-		-
Tax Only Item - State Year 2000 - (Note 1)	(493,845)		(493,845)	(104,000)		(104,000)
Tax Only Item - 3	-		-	-		-
TOTAL FIT EXPENSE	\$ 25,885,879	\$ -	\$ 25,885,879	\$ 5,435,000	\$ -	\$ 5,435,000

21.00%

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, 2019
(Whole Dollars)

	State - Gas					
	as Adj. State Taxable Income	Deferrable Basis	Book Taxable Income	@ the Statutory Rate	DSIT Reversals	Net SIT Before Rev Req
	\$ 54,648,027	\$ -	\$ 54,648,027	\$ 3,552,000		\$ 3,552,000
Interest	(26,976,035)		(26,976,035)	(1,753,000)		(1,753,000)
Flow-through Cost of Removal	-		-	-		-
Flow-through Depreciation	352,326		352,326	23,000		23,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	65,193		65,193	4,000		4,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other - 2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-		-
Tax Only Item - State Year 2000 - (Note 1)	-		-	-	(219,862)	(219,862)
Tax Only Item - 3	-		-	-	(493,845)	(493,845)
TOTAL SIT EXPENSE	\$ 28,089,512	\$ -	\$ 28,089,512	\$ 1,826,000	\$ (713,707)	\$ 1,112,293

6.50%

NET INCOME BEFORE FEDERAL & STATE INCOME TAXES

Interest	(26,976,035)
New York State Income Taxes	(1,112,293)
Flow-through Cost of Removal	(8,980,546)
Flow-through Depreciation	8,735,377
Flow-through Unamortized Debt	-
Flow-through Bond Redemption	-
Meals and Entertainment	65,193
GAIN ON REDEMPTION BONDS	-
Other - 2	-
Other - 3	-
Tax Only Item - Rate Change	-
Tax Only Item - State Year 2000 - (Note 1)	(493,845)
Tax Only Item - 3	-
TOTAL FIT EXPENSE	\$ 25,885,879

NET INCOME BEFORE FEDERAL & STATE INCOME TAXES

Interest	(26,976,035)
Flow-through Cost of Removal	-
Flow-through Depreciation	352,326
Flow-through Unamortized Debt	-
Flow-through Bond Redemption	-
Meals and Entertainment	65,193
GAIN ON REDEMPTION BONDS	-
Other - 2	-
Other - 3	-
Tax Only Item - Rate Change	-
Tax Only Item - State Year 2000 - (Note 1)	(219,862)
Tax Only Item - 3	(493,845)
TOTAL SIT EXPENSE	\$ 28,089,512

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's)

	C&U Filing Rate Year Ending March 31, 2019	Adj. #	Staff Adjustments	As Adjusted by Staff Rate Year Ending March 31, 2019	Settlement Adjustments	Rate Year Joint Proposal
Net Utility Plant	\$ 1,629,903	(7a)	\$ (12,356)	\$ 1,617,548	\$ 5,092	\$ 1,622,640
Regulatory Assets / Liabilities	2,035	(7b)	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)	(7d)	(108)	(57,173)	2,421	(54,752)
Working Capital		(7e)				
Materials and supplies	29,467		-	29,467	-	29,467
Prepayments	(2,055)		-	(2,055)	-	(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	-	16,993
Change in Supply Cash Allowance (13.31% x RY Gas exp)	6,265		-	6,265	-	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)		-	(12,100)	-	(12,100)
Total Rate Base	\$ 1,222,037		\$ (11,683)	\$ 1,210,355	\$ 21,427	\$ 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

	Total Annual Avg	Weighting Percent	Cost	Weighted Cost	Pre-Tax Weighted Cost
Long Term Debt	\$ 628,935	51.06%	4.29%	2.19%	2.19%
Customer Deposits	5,942	0.48%	0.35%	0.00%	0.00%
Preferred Stock	5,650	0.46%	3.66%	0.02%	0.03%
Common Equity	591,256	48.00%	9.00%	4.32%	5.85%
Total	\$ 1,231,782	100.00%		6.53%	8.07%

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OTHER REVENUE REQUIREMENT INPUTS

Forecast Rate Year Rates to apply to Rev Req					
Bad Debt % for Rev Req	2.40%	2.40443%		Tax	\$ 7,983
GRT rate for Rev Req	1.44%			Revenue	\$ 554,939
Federal Income Tax rate	21.00%			GRT	1.4384997%
NYS Income Tax rate	6.50%	73.8650%			
Historic Year EBCAP	(4,893)				
General Inflation (from 12/31/16 to 3/31/19)	\$ 4.3476%				

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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)

	Staff Direct		Settlement Adjustments		Joint Proposal	
	Amount	Amount	Amount	Amount	Amount	Amount
Adi. 1 Operating Revenues	\$ (10,458)	\$ (10,458)	\$ -	\$ -	\$ (10,458)	\$ (10,458)
(a) To move energy efficiency costs into base rates						
Adi. 2 Operating and Maintenance Expenses						
(a) Consultant Expense						
To normalize executive search firm costs	(11)	\$ (11)	(0)	\$ (0)	(11)	(11)
(b) Service Company Rates						
(1) To impute NMPC rate of return / To impute Company's 9.0% ROE	(238)		86		(152)	
(2) To impute a slippage adjustment / To impute Company's IS Forecast Spend Reduction	(1,471)		980		(491)	
(3) To disallow enhanced bill design initiative	(6)		-		(6)	
(4) To remove AMI from rate year	-		-		-	
(5) To remove distribution projects from rate year	(500)		500		-	
(6) 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						
(1) To reflect the proper capitalization rate for fringe benefits	(13)	\$ (13)	-	\$ -	(13)	\$ (13)
(d) FAS 112						
To reflect the proper capitalization rate for fringe benefits	(97)	\$ (97)	97	\$ 97	(0)	(0)
(e) Health Care						
To reflect the proper capitalization rate for fringe benefits	(3)	\$ (3)	(27)	\$ (27)	(30)	\$ (30)
(f) Group Life Insurance						
To reflect the proper capitalization rate for fringe benefits	(10)	\$ (10)	9	\$ 9	(1)	\$ (1)
(g) FAS 87 - Pension						
(1) To reflect the proper capitalization rate for fringe benefits	(14)	\$ (14)	-	\$ -	(14)	\$ (14)
(h) Thrift Plan						
(1) To remove inflation from the Local 97 and 97C component of thrift plan	(24)		24		-	
(2) To reflect the proper capitalization rate for fringe benefits	(7)	\$ (31)	-	\$ 24	(7)	\$ (7)
(i) Workers Comp						
To reflect the proper capitalization rate for fringe benefits	(4)	\$ (4)	-	\$ -	(4)	\$ (4)
(j) Materials- From Inventory						
To adjust Materials from Inventory to normalize vendor charges	(84)	\$ (84)	21	\$ 21	(63)	\$ (63)
(k) Labor Expense						
(1) To remove variable pay from miscellaneous pay	(349)		-		(349)	
(2) To remove variable pay from sales commission employees	(35)		-		(35)	
(3) To normalize miscellaneous pay	(18)		-		(18)	
(4) To limit management wage increase to 3% per year	(174)	\$ (576)	125	\$ 125	(49)	\$ (451)
(l) Transportation						
(1) To remove the Service Company backbilling pertaining to CY15, from the HTY	(48)		48		(0)	
(2) To reflect Staff's auction proceeds	(65)	\$ (113)	65	\$ 113	-	(0)
(m) Energy Efficiency						
To update to Staff's forecast energy efficiency	91	\$ 91	-	\$ -	91	\$ 91
(n) Other Initiatives						
(1) To remove 4 FTE's from GIOP Increased OPEX Workload	(579)		133		(447)	
(2) To remove 32 FTE's from GIOP Opex related to Capex	(813)		297		(516)	
(3) To remove 1 FTE from SSP Energy Affordability program	(32)		-		(32)	
(4) To reflect the decreased salary for entry-level positions	(48)		-		(48)	
(5) To reflect slippage in hiring incremental FTE's	(785)		(85)		(870)	
(6) To adjust productivity from 1% to 1.25%	(10)		10		-	
(7) To impute an IS slippage adjustment for RTB	(620)		373		(247)	
(8) To reduce OPEX and RTB related to AMI	-		-		-	
(9) To reduce OPEX and RTB related to distribution projects	-		-		-	
(10) To disallow enhanced bill initiative	(147)		-		(147)	
(11) To reduce OPEX and RTB related to enhanced bill design initiative	(19)		-		(19)	
(12) To disallow outreach and education budget	(136)		-		(136)	
(13) To reduce future management audit costs due to amortization	(51)		-		(51)	
(14) To impute slippage on GBE and Grid Mod OPEX	(3,535)		3,025		(510)	
(15) To impute a reduction to IS OPEX based on a % of allowed IS Capex	(681)		173		(508)	
(16) Staff adjustment to Gas Transmission Engineering-IMP/IVP Inspections (PHMSA)	(660)		660		-	
(17) Staff adjustment to I & R- Increase Pipeline Survey	(1,000)		500		(500)	
(18) 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)

	Staff Direct Amount	Settlement Adjustments Amount	Joint Proposal Amount
(20) Staff adjustment to Gas Operations- Tools	(100)	-	(100)
(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 Transmission Pipeline with NRA dollars	(1,300)	-	(1,300)
(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)	-	(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	-	65	65
	\$ (15,147)	\$ 7,045	\$ (8,102)
(o) Productivity Adjustment			
(1) Flow through adjustments tracking labor and payroll tax adjustments	7	(2)	5
(2) To adjust productivity from 1% to 1.5%	(668)	668	-
	\$ (662)	\$ 667	\$ 5
(p) Uncollectible			
Flow through adjustment related to revenues	(251)	-	(251)
	\$ (251)	\$ -	\$ (251)
(q) Incentive Programs			
Staff adjustment to Oil-to-Gas Conversion Rebate Program	(618)	382	(236)
	\$ (618)	\$ 382	\$ (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)
(2) Flow through impact of Tax Law Change	-	353	353
	\$ -	\$ (1,604)	\$ (1,604)
Total O&M Adjustments	\$ (19,267)	\$ 7,655	\$ (11,612)
Adi. 3 Depreciation Expense			
Tracking adjustment to net utility plant	(127)	40	(87)
	\$ (127)	\$ 40	\$ (87)
Adi. 4 Taxes Other Than Revenue & Income Taxes			
Payroll Taxes			
Tracking labor adjustments	(4)	4	1
	\$ (4)	\$ 4	\$ 1
Total Taxes Other Than Revenue & Income Taxes	\$ (131)	\$ 44	\$ (87)
Adi. 5 Federal Income Tax			
Flow through adjustment related to State Year 2000 adjustment	251	-	251
	\$ 251	\$ -	\$ 251
Adi. 6 State income Tax			
To adjust tax only item - state year 2000	718	(494)	224
	\$ 718	\$ (494)	\$ 224
Total Income Tax Adjustment	\$ 969	\$ (494)	\$ 475
Adi. 7 Rate Base			
(a) Net Utility Plant			
To reflect Staff's capital budget modifications	(10,749)	5,092	(5,657)
To reduce capitalized pension and OPEB costs	(1,606)	-	(1,606)
	\$ (12,356)	\$ 5,092	\$ (7,263)
(b) Regulatory Assets and Liabilities			
To reflect amortization of future management audit costs over 5 years	58	-	58
	\$ 58	\$ -	\$ 58
(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	-	13,576	13,576
	\$ 1,855	\$ 12,894	\$ 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	(359)	2,573	2,214
(4) To adjust ADFIT to reflect amortization of future management audit costs over 5 years	(4)	-	(4)
	\$ (108)	\$ 2,421	\$ 2,314
(e) Working Capital			
To adjust working capital	(1,132)	1,020	(2,152)
	\$ (1,132)	\$ 1,020	\$ (112)
Total Rate Base Adjustments	\$ (11,683)	\$ 21,427	\$ 9,745

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&U Filing				Rate Year As Adjusted By Staff	Settlement Adjustments	Rate Year Joint Proposal
	Taxes Other Than Revenue and Income Taxes	Rate Year Ending March 31, 2019	Adj. #	Staff Adjustments			
Real Estate Taxes							
Real Property	\$ 22,966		\$ -		\$ 22,966	\$ -	\$ 22,966
Special Franchise	20,106		-		20,106	-	20,106
Total Real Estate Taxes	<u>43,072</u>		<u>-</u>		<u>43,072</u>	<u>-</u>	<u>43,072</u>
Payroll Taxes	4,310	(4)	(4)		4,306	4	4,310
Other	112		-		112	-	112
Total Taxes Other Than Revenue and Income Taxes	<u>\$ 47,494</u>		<u>(4)</u>		<u>\$ 47,490</u>	<u>4</u>	<u>\$ 47,494</u>

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, 2019
(\$000's)

	C&U Filing Rate Year Ending March 31, 2019	Adj. #	Staff Adjustments	Rate Year As Adjusted By Staff	Settlement Adjustments	Rate Year Joint Proposal
Depreciation Expense (acct 403)	\$ 52,660	(3)	(127)	\$ 52,532	\$ 40	\$ 52,572
Amortization Expense (acct 404-405)	-		-	-	-	-
Accretion Expense (acct 411.10)	-		-	-	-	-
(Gain) Loss on Disposition of Utility Plant (acct 411.7)	-		-	-	-	-
Total Depreciation & Amortization Expense	<u><u>\$ 52,660</u></u>		<u><u>(127)</u></u>	<u><u>\$ 52,532</u></u>	<u><u>40</u></u>	<u><u>\$ 52,572</u></u>

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)

	C&U Filing Rate Year Ending March 31, 2019	Staff Adjustments	As Adjusted by Staff Rate Year Ending March 31, 2019	Settlement Adjustments	Rate Year Joint Proposal
Avg Rate Base Per Books	\$ 1,234,137	\$ (11,683)	\$ 1,222,455	\$ 21,427	\$ 1,243,882
Plus: Forecast of Avg Interest Bearing CWIP	-	-	-	-	-
Less: Rate Base moved to GAC	-	-	-	-	-
Less: Excess Earnings Adj (EBCAP)	12,100	-	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%	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%	0.00%	2.19%
Total Income Tax Interest Deduction	\$ 26,763	\$ (256)	\$ 26,507	\$ 469	\$ 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	C&U Filing Rate Year Ending March 31, 2019	Staff Adjustments	As Adjusted by Staff Rate Year Ending March 31, 2019	Settlement Adjustments	Rate Year Joint Proposal
Total O&M Expense	\$ 225,680	\$ (19,267)	\$ 206,413	\$ 7,655	\$ 214,068
Remove major non-cash items included O&M expense :					
Bad Debt expense	(13,492)	(251)	(13,743)	503	(13,240)
Other (EE & 18A)	(25,190)	10,458	(14,731)	-	(14,731)
Subtotal	(38,682)	10,207	(28,475)	503	(27,972)
Add major cash items not included in O&M expense:					
Other	10,549	-	10,549	-	10,549
Subtotal	10,549	-	10,549	-	10,549
Total Adjustments	(28,132)	10,207	(17,925)	503	(17,422)
Adjusted O&M Expense	\$ 197,547	\$ (9,060)	\$ 188,488	\$ 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)	-	-	-	-	-

(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)

	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)	<u>1,091,966</u>	<u>-</u>	<u>1,091,966</u>	<u>-</u>	<u>1,091,966</u>
Percent	18.35%				
(D) AVERAGE CAPITALIZATION (CE excludes merger Goodwill, and may 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)	<u>606,865</u>		<u>606,865</u>		<u>606,865</u>
Avg. Allocated to Elec / Gas based on Earnings Base	1,128,726		1,128,726		1,128,726
(E) Add dividends declared but unpaid representing the timing difference between declaration and payment	-	-	-	-	-
(F) SUBTOTAL (D+E)	<u>1,128,726</u>	<u>-</u>	<u>1,128,726</u>	<u>-</u>	<u>1,128,726</u>
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	<u>31,867</u>	<u>-</u>	<u>31,867</u>	<u>-</u>	<u>31,867</u>
(H) Capitalization Dedicated to Public Service (F-G)	<u>1,096,859</u>		<u>1,096,859</u>		<u>1,096,859</u>
(J) Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to Service Current Customers) (C-H)	<u>\$ (4,893)</u>		<u>\$ (4,893)</u>		<u>\$ (4,893)</u>

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 Year Ending March 31, 2019	Adj. #	Adjustments	Rate Year Ending March 31, 2020	Base Revenue Increase Required	Rate Year Ending March 31, 2020 with Base Revenue Requirement
<u>Operating Revenues</u>	\$ 600,463	(1)	\$ (471)	\$ 599,992	\$ 5,344	\$ 605,336
<u>Deductions</u>						
Purchased Gas Costs	178,174		(3,600)	174,574		174,574
Revenue Taxes	8,638		33	8,671	77	8,748
Total Deductions	186,811		(3,567)	183,244	77	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	-		-	-	-	-
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
<u>Operating Income Before Income Taxes</u>	1,102,503		1,571	99,994	5,139	105,133
<u>Income Taxes</u>						
Federal Income Taxes	14,030	(5)	(3,045)	14,077	1,009	15,086
State Income Taxes	3,957	(6)	(1,316)	3,972	334	4,306
Total Income Taxes	17,987		(4,361)	18,049	1,343	19,392
<u>Operating Income After Income Taxes</u>	\$ 1,120,491		\$ 5,932	\$ 81,945	\$ 3,796	\$ 85,741
<u>Rate Base</u>	\$ 1,231,782	(7)	\$ 91,375	\$ 1,323,158		\$ 1,323,158
<u>Rate of Return</u>	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)

	Joint Proposal Rate Year Ending March 31, 2019	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 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	(2l)	81	3,956
Uncollectible Accounts	14,334	(2m)	(18)	14,317
Site Investigation & Remediation Expenses	4,821	(2n)	-	4,821
Vegetation Management	-		-	-
Savings	(2,342)	(2a)/((2s)	(134)	(2,476)
Legal	418	(2a)	9	427
Accounting	381	(2a)	8	389
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	<u>\$ 215,162</u>		<u>\$ (3,390)</u>	<u>211,772</u>
TOTAL	<u>\$ 215,162</u>		<u>\$ (3,390)</u>	<u>211,772</u>

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)

	Federal - Gas					Net FIT Before Rev Req
	Federal Taxable Income	Deferrable Basis	Book Taxable Income	@ the Statutory Rate	DFIT Reversals	
	\$ 99,994,173	\$ -	\$ 99,994,173	\$ 20,999,000		\$ 20,999,000
Interest	(28,315,574)		(28,315,574)	(5,946,000)		(5,946,000)
New York State Income Taxes	(3,972,293)		(3,972,293)	(834,000)		(834,000)
Flow-through Cost of Removal	(8,980,546)		(8,980,546)	(1,886,000)		(1,886,000)
Flow-through Depreciation	8,735,377		8,735,377	1,834,000		1,834,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	65,193		65,193	14,000		14,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other - 2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-		-
Tax Only Item - State Year 2000 - (Note 1)	-		-	-	(104,000)	(104,000)
Tax Only Item - 3	-		-	-		-
TOTAL FIT EXPENSE	\$ 67,526,330	\$ -	\$ 67,526,330	\$ 14,181,000	\$ (104,000)	\$ 14,077,000

21.00%

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, 2020
(Whole Dollars)

	State - Gas					Net SIT Before Rev Req
	State Taxable Income	Deferrable Basis	Book Taxable Income	@ the Statutory Rate	DSIT Reversals	
	\$ 99,994,173	\$ -	\$ 99,994,173	\$ 6,500,000		\$ 6,500,000
Interest	(28,315,574)		(28,315,574)	(1,841,000)		(1,841,000)
Flow-through Cost of Removal	-		-	-		-
Flow-through Depreciation	352,326		352,326	23,000		23,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	65,193		65,193	4,000		4,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other - 2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-		-
Tax Only Item - State Year 2000 - (Note 1)	-		-	-	(219,862)	(219,862)
Tax Only Item - 3	-		-	-	(493,845)	(493,845)
TOTAL SIT EXPENSE	\$ 72,096,118	\$ -	\$ 72,096,118	\$ 4,686,000	\$ (713,707)	\$ 3,972,293

6.50%

NET INCOME BEFORE FEDERAL & STATE INCOME TAXES

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

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	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2020
Net Utility Plant	\$ 1,622,640	(7a)	\$ 107,443	\$ 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)	(7d)	(5,430)	(60,182)
Working Capital		(7e)		
Materials and supplies	29,467		619	30,086
Prepayments	(2,055)		(43)	(2,098)
O&M Cash Allowance (1/8 O&M exp)	24,581		(427)	24,154
Supply Cash Allowance (Dec 16 lead/tag study)	16,993		-	16,993
Change in Supply Cash Allowance (7.76% x RY Gas exp)	6,265		(479)	5,785
subtotal Working Capital	75,251		(330)	74,920
subtotal avg. before EBCAP adj.	1,243,882		91,375	1,335,257
Excess Earnings Base adjustment	(12,100)		-	(12,100)
Total Rate Base	\$ 1,231,782		\$ 91,375	\$ 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

Joint Proposal Capital Structure Forecast

	Total Annual Avg	Weighting Percent	Cost	Weighted Cost	Pre-Tax Weighted Cost
Long Term Debt	\$ 675,590	51.06%	4.19%	2.14%	2.14%
Customer Deposits	6,383	0.48%	0.35%	0.00%	0.00%
Preferred Stock	6,069	0.46%	3.66%	0.02%	0.03%
Common Equity	635,116	48.00%	9.00%	4.32%	5.85%
Total	\$ 1,323,158	100.00%		6.48%	8.02%

OTHER REVENUE REQUIREMENT INPUTS

Forecast Rate Year Rates to apply to Rev Req					
Bad Debt % for Rev Req	2.40%	2.40443%		Tax	\$ 8,671
GRT rate for Rev Req	1.45%			Revenue	\$ 599,992
Federal Income Tax rate	21.00%			GRT	1.4451359%
NYS Income Tax rate	6.50%	73.8650%			
Historic Year EBCAP	\$ (4,893)				
General Inflation (from 12/31/16 to 3/31/19)	4.3476%				

	Adjustments		Amount	
	\$ (471)	\$ (471)	\$ (471)	\$ (471)
Adj. 1 Operating Revenues				
(a) To reflect RY20 sales forecast				
(b) Purchased Gas Costs	(3,600)	\$ (3,600)	(3,600)	\$ (3,600)
(c) Revenue Taxes	33	\$ 33	33	\$ 33
Adj. 2 Operating and Maintenance Expenses				
(a) To reflect increase in expense due to inflation	1,024	\$ 1,024	1,024	\$ 1,024
(b) Rents To reflect specific RY20 forecast and general inflation	41	\$ 41	41	\$ 41
(c) Service Company Rates				
(1) To reflect RY20 forecast	2,355		2,355	
(2) Flow through impact of Tax Law Change	(224)	\$ 2,131	(224)	\$ 2,131
(d) FAS 106 - OPEB Actuarial Reports for RY1-3	(1,229)	\$ (1,229)	(1,229)	\$ (1,229)
(e) FAS 87 - Pension Actuarial Reports for RY1-3	(4,640)	\$ (4,640)	(4,640)	\$ (4,640)
(f) Labor Expense To reflect increase in salaries and wages by labor inflation factor	1,522	\$ 1,522	1,522	\$ 1,522
(g) Transportation To reflect RY20 forecast and general inflation	11	\$ 11	11	\$ 11
(h) Clean Energy Fund To reflect RY20 forecast	44	\$ 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 (1,634)	\$ (1,589)	45 (1,634)	\$ (1,589)
(j) Productivity Adjustment Flow through adjustment related to labor adjustment	(792)	\$ (792)	(792)	\$ (792)
(k) Rate Case Expense	-	\$ -	-	\$ -
(l) Regulatory Assessment Fees To reflect RY20 forecast and general inflation	81	\$ 81	81	\$ 81
(m) Uncollectible To reflect increase associated with change in revenue	(18)	\$ (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	\$ 23
Total O&M Adjustments		\$ (3,390)		\$ (3,390)

	<u>Adjustments</u>		<u>Amount</u>	
<u>Adj. 3 Depreciation Expense</u>				
To reflect RY20 forecast associated with Net Utility Plant	2,591	\$ 2,591	2,591	\$ 2,591
<u>Adj. 4 Taxes Other Than Revenue & Income Taxes</u>				
(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	\$ 1,045
(d) Other Taxes				
	2	\$ 2	2	\$ 2
Total Taxes Other Than Revenue & Income Taxes		<u>\$ 2,323</u>		<u>\$ 2,323</u>
<u>Adj. 5 Federal Income Tax</u>				
(a) Flow through calculation	(3,177)		(3,177)	
(b) Impact of Tax Law change	132	\$ (3,045)	132	\$ (3,045)
<u>Adj. 6 State income Tax</u>				
(a) Flow through calculation	(1,336)		(1,336)	
(b) Flow through impact of Tax Law change	20	\$ (1,316)	20	\$ (1,316)
Total Income Tax Adjustment		<u>\$ (4,361)</u>		<u>\$ (4,361)</u>
<u>Adj. 7 Rate Base</u>				
(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				
(1) To reflect increase in Materials due to inflations	619		619	
(2) To reflect increase in Prepayments due to inflation	(43)		(43)	
(3) To reflect increase in O&M Cash Allowance based on changes in expense lev	(427)		(427)	
(4) To reflect increase in Supply Cash Allowance	(479)	\$ (330)	(479)	\$ (330)
Total Rate Base Adjustments		<u>\$ 91,375</u>		<u>\$ 91,375</u>

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)

Taxes Other Than Revenue and Income Taxes	Joint Proposal	Adj. #	Adjustments	Joint Proposal
	Rate Year Ending March 31, 2019		Rate Year Ending 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	<u>43,072</u>		<u>2,239</u>	<u>45,311</u>
Payroll Taxes	4,310	(4a)	82	4,392
Other	112	(4d)	2	114.63
Total Taxes Other Than Revenue and Income Taxes	<u>\$ 47,494</u>		<u>\$ 2,323</u>	<u>\$ 49,818</u>

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 Proposal Rate Year Ending March 31, 2019	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2020
Depreciation Expense (acct 403)	\$ 52,572	(3)	2,591	\$ 55,164
Amortization Expense (acct 404-405)	-	-	-	-
Accretion Expense (acct 411.10)	-	-	-	-
(Gain) Loss on Disposition of Utility Plant (acct 411.7)	-	-	-	-
Total Depreciation & Amortization Expense	<u>\$ 52,572</u>		<u>2,591</u>	<u>\$ 55,164</u>

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)

	Joint Proposal Rate Year Ending March 31, 2019	Adjustments	Joint Proposal Rate Year Ending March 31, 2020
Avg Rate Base Per Books	\$ 1,243,882	\$ 91,375	\$ 1,335,257
Plus: Forecast of Avg Interest Bearing CWIP	-	-	-
Less: Rate Base moved to GAC	-	-	-
Less: Excess Earnings Adj (EBCAP) Rate Base	12,100	-	12,100
	<u>1,231,782</u>	<u>91,375</u>	<u>1,323,158</u>
Weighted Cost of LTD Debt	2.14%	0.00%	2.14%
Weighted Cost of Cust Deposits	0.00%	0.00%	0.00%
subtotal weighted cost of debt	<u>2.14%</u>	<u>0.00%</u>	<u>2.14%</u>
Total Income Tax Interest Deduction	\$ <u>26,360</u>	\$ <u>1,340</u>	\$ <u>28,316</u>

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	Adjustments	Joint Proposal Rate Year Ending March 31, 2020
Total O&M Expense	\$ 214,068	\$ (2,296)	\$ 211,772
Remove major non-cash items included O&M expense :			
Bad Debt expense	(13,240)	(1,076)	(14,317)
Other (EE & 18A)	(14,731)	(44)	(14,775)
Subtotal	(27,972)	(1,120)	(29,092)
Add major cash items not included in O&M expense:			
Other	10,549	-	10,549
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)	-	-	-

(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)	<u>1,091,966</u>	<u>-</u>	<u>1,091,966</u>	<u>-</u>	<u>1,091,966</u>
Percent	18.35%				
(D) AVERAGE CAPITALIZATION (CE excludes merger Goodwill, and may 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)	<u>606,865</u>		<u>606,865</u>		<u>606,865</u>
Avg. Allocated to Elec / Gas based on Earnings Base	1,128,726		1,128,726		1,128,726
(E) Add dividends declared but unpaid representing the timing difference between declaration and payment	-	-	-	-	-
(F) SUBTOTAL (D+E)	<u>1,128,726</u>	<u>-</u>	<u>1,128,726</u>	<u>-</u>	<u>1,128,726</u>
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	<u>31,867</u>	<u>-</u>	<u>31,867</u>	<u>-</u>	<u>31,867</u>
(H) Capitalization Dedicated to Public Service (F-G)	<u>1,096,859</u>		<u>1,096,859</u>		<u>1,096,859</u>
(J) Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to Service Current Customers) (C-H)	<u>\$ (4,893)</u>		<u>\$ (4,893)</u>		<u>\$ (4,893)</u>

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)

	Rate Year Ending March 31, 2020	Adj. #	Adjustments	Rate Year Ending March 31, 2021	Base Revenue Increase Required	Rate Year Ending March 31, 2021 with Base Revenue Requirement
<u>Operating Revenues</u>	\$ 605,336	(1)	\$ 5,551	\$ 610,887	\$ 9,951	\$ 620,838
<u>Deductions</u>						
Purchased Gas Costs	174,574		2,347	176,920		176,920
Revenue Taxes	8,748		71	8,818	144	8,962
Total Deductions	183,321		2,418	185,739	144	185,883
Gross Margin	788,657		3,134	425,148	9,807	434,955
Total Operation & Maintenance Expenses	211,900	(2)	(1,016)	210,884	239	211,123
Amortization of Regulatory Deferrals	0		-	-	-	-
Depreciation, Amort. & Loss on Disposition	55,164	(3)	2,935	58,098.52	-	58,099
Taxes Other Than Revenue & Income Taxes	49,818	(4)	2,505	52,322.16	-	52,322
Total Operating Revenue Deductions	316,881		4,423	321,304	239	321,543
Operating Income Before Income Taxes	1,105,538		(1,289)	103,844	9,568	113,412
<u>Income Taxes</u>						
Federal Income Taxes	15,086	(5)	(626)	14,460	1,879	16,339
State Income Taxes	4,306	(6)	(207)	4,099	622	4,721
Total Income Taxes	19,392		(833)	18,559	2,501	21,060
Operating Income After Income Taxes	\$ 1,124,930		(456)	\$ 85,285	\$ 7,067	\$ 92,352
<u>Rate Base</u>	\$ 1,323,158	(7)	\$ 108,653	\$ 1,431,811		\$ 1,431,811
Rate of Return	6.48%			5.96%		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)

	Rate Year Ending March 31, 2020	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 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	(2l)	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	<u>\$ 211,900</u>		<u>\$ (1,016)</u>	<u>\$ 210,884</u>
TOTAL	<u>\$ 211,900</u>		<u>\$ (1,016)</u>	<u>\$ 210,884</u>

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)

	Federal - Gas					Net FIT
	Federal	Deferable	Book	@ the	DFIT	Before
	Taxable	Basis	Taxable	Statutory	Reversals	Rev Req
	Income		Income	Rate		
	\$ 103,843,917	\$	\$ 103,843,917	\$ 21,807,000		\$ 21,807,000
Interest	(30,211,213)		(30,211,213)	(6,344,000)		(6,344,000)
New York State Income Taxes	(4,099,293)		(4,099,293)	(861,000)		(861,000)
Flow-through Cost of Removal	(8,980,546)		(8,980,546)	(1,886,000)		(1,886,000)
Flow-through Depreciation	8,735,377		8,735,377	1,834,000		1,834,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	65,193		65,193	14,000		14,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other - 2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-		-
Tax Only Item - State Year 2000 - (Note 1)	-		-	-	(104,000)	(104,000)
Tax Only Item - 3	-		-	-		-
TOTAL FIT EXPENSE	\$ 69,353,435	\$ -	\$ 69,353,435	\$ 14,564,000	\$ (104,000)	\$ 14,460,000

21.00%

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)

	State - Gas					Net SIT
	State	Deferable	Book	@ the	DSIT	Before
	Taxable	Basis	Taxable	Statutory	Reversals	Rev Req
	Income		Income	Rate		
	\$ 103,843,917	\$	\$ 103,843,917	\$ 6,750,000		\$ 6,750,000
Interest	(30,211,213)		(30,211,213)	(1,964,000)		(1,964,000)
Flow-through Cost of Removal	-		-	-		-
Flow-through Depreciation	352,326		352,326	23,000		23,000
Flow-through Unamortized Debt	-		-	-		-
Flow-through Bond Redemption	-		-	-		-
Meals and Entertainment	65,193		65,193	4,000		4,000
GAIN ON REDEMPTION BONDS	-		-	-		-
Other - 2	-		-	-		-
Other - 3	-		-	-		-
Tax Only Item - Rate Change	-		-	-		-
Tax Only Item - State Year 2000 - (Note 1)	-		-	-	(219,862)	(219,862)
Tax Only Item - 3	-		-	-	(493,845)	(493,845)
TOTAL SIT EXPENSE	\$ 74,050,223	\$ -	\$ 74,050,223	\$ 4,813,000	\$ (713,707)	\$ 4,099,293

6.50%

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, 2021
(\$000s)

	Joint Proposal Rate Year Ending March 31, 2020	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2021
Net Utility Plant	\$ 1,730,082	(7a)	\$ 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)	(7d)	(6,572)	(66,754)
Working Capital		(7e)		
Materials and supplies	30,086		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		-	16,993
Change in Supply Cash Allowance (7.76% x RY Gas exp)	5,785		312	6,098
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)		-	(12,100)
Total Rate Base	\$ 1,323,158		\$ 108,653	\$ 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

	Total Annual Avg	Weighting Percent	Cost	Weighted Cost	Pre-Tax Weighted Cost
Long Term Debt	\$ 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%	9.00%	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	\$ 8,818
GRT rate for Rev Req	1.44%			Revenue	\$ 610,887
Federal Income Tax rate	21.00%			GRT	1.4435560%
NYS Income Tax rate	6.50%	73.8650%			
Historic Year EBCAP	\$ (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
(S000's)

	Adjustments		Amount	
	\$ 5,551	\$ 5,551	\$ 5,551	\$ 5,551
Adj. 1 Operating Revenues				
(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
Adj. 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
(c) Service Company Rates				
(1) To reflect RY 21 forecast	2,583		2,583	
(2) Flow through impact of Tax Law Change	(184)	\$ 2,399	(184)	\$ 2,399
(d) FAS 106 - OPEB				
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				
To reflect increase in salaries and wages by labor inflation factor	1,545	\$ 1,545	1,545	\$ 1,545
(g) Transportation				
To reflect RY21 forecast and general inflation	(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)
(j) Productivity Adjustment				
Flow through adjustment related to labor adjustment	(822)	\$ (822)	(822)	\$ (822)
(k) Rate Case Expense				
	-	\$ -	-	\$ -
(l) 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 Remediation				
To reflect RY21 forecast	-	\$ -	-	\$ -
(o) Economic Development Plan				
To reflect RY21 forecast	\$ -	\$ -	-	\$ -
(p) Incentive Programs				
To reflect RY21 forecast	-	\$ -	-	\$ -
(q) Natural Gas Vehicles				
To reflect RY21 forecast	\$ -	\$ -	-	\$ -
(s) Savings				
Flow through impact of Tax Law Change	\$ 21	\$ 21	21	\$ 21
Total O&M Adjustments		<u>\$ (1,016)</u>		<u>\$ (1,016)</u>

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)

	<u>Adjustments</u>		<u>Amount</u>	
<u>Adj. 3 Depreciation Expense</u>				
To reflect RY21 forecast associated with Net Utility Plant	2,935	\$ 2,935	2,935	\$ 2,935
<u>Adj. 4 Taxes Other Than Revenue & Income Taxes</u>				
(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		<u>\$ 2,505</u>		<u>\$ 2,505</u>
<u>Adj. 5 Federal Income Tax</u>				
Flow through calculation	(977)		(977)	
Impact of Tax Law change	351	\$ (626)	351	\$ (626)
<u>Adj. 6 State income Tax</u>				
Flow through calculation	(194)		(194)	
Flow through impact of Tax Law change	(13)	\$ (207)	(13)	\$ (207)
Total Income Tax Adjustment		<u>\$ (833)</u>		<u>\$ (833)</u>
<u>Adj. 7 Rate Base</u>				
(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)
(c) Accumulated Deferred Income Taxes - Federal				
(1) To reflect RY21 forecast increase (includes flow through)	(21,144)		(21,144)	
(2) Impact of Tax Law Change	10,238	\$ (10,906)	10,238	\$ (10,906)
(d) Accumulated Deferred Income Taxes - State				
(1) To reflect RY21 forecast increase (includes flow through)	(6,572)	\$ (6,572)	(6,572)	\$ (6,572)
(e) Working Capital				
(1) To reflect increase in Materials due to inflations	632		(632)	
(2) To reflect increase in Prepayments due to inflation	(44)		44	
To reflect increase in O&M Cash Allowance based on changes in expense levels and flow through				
(3) impact of tax law change	(157)		157	
(4) To reflect increase in Supply Cash Allowance	312	\$ 743	(312)	\$ 743
Total Rate Base Adjustments		<u>\$ 108,653</u>		<u>\$ 108,653</u>

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)

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

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 Proposal Rate Year Ending March 31, 2020	Adj. #	Adjustments	Joint Proposal Rate Year Ending March 31, 2021
Depreciation Expense (acct 403)	\$ 55,164	(3)	2,935	\$ 58,099
Amortization Expense (acct 404-405)	-		-	-
Accretion Expense (acct 411.10)	-		-	-
(Gain) Loss on Disposition of Utility Plant (acct 411.7)	-		-	-
Total Depreciation & Amortization Expense	55,164		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)

	Joint Proposal Rate Year Ending March 31, 2020	Adjustments	Joint Proposal Rate Year Ending March 31, 2021
Avg Rate Base Per Books	\$ 1,335,257	\$ 108,653	\$ 1,443,911
Plus: Forecast of Avg Interest Bearing CWIP	-	-	-
Less: Rate Base moved to GAC	-	-	-
Less: Excess Earnings Adj (EBCAP)	12,100	-	12,100
Rate Base	<u>1,323,158</u>	<u>108,653</u>	<u>1,431,811</u>
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	<u>2.11%</u>	<u>-0.08%</u>	<u>2.11%</u>
Total Income Tax Interest Deduction	<u>\$ 27,919</u>	<u>\$ 1,234</u>	<u>\$ 30,211</u>

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	Adjustments	Joint Proposal Rate Year Ending March 31, 2021
Total O&M Expense	\$ 211,900	\$ (1,016)	\$ 210,884
Remove major non-cash items included O&M expense :			
Bad Debt expense	(14,445)	(127)	(14,572)
Other (EE & 18A)	(14,775)	(111)	(14,886)
Subtotal	(29,220)	(238)	(29,458)
Add major cash items not included in O&M expense:			
Other	10,549	-	10,549
Subtotal	10,549	-	10,549
Total Adjustments	(18,671)	(238)	(18,909)
Adjusted O&M Expense	\$ 193,229	\$ (1,254)	\$ 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)	<u>1,091,966</u>	<u>-</u>	<u>1,091,966</u>	<u>-</u>	<u>1,091,966</u>
Percent	18.35%				
(D) AVERAGE CAPITALIZATION (CE excludes merger Goodwill, and may 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)	<u>606,865</u>		<u>606,865</u>		<u>606,865</u>
Avg. Allocated to Elec / Gas based on Earnings Base	1,128,726		1,128,726		1,128,726
(E) Add dividends declared but unpaid representing the timing difference between declaration and payment	-	-	-	-	-
(F) SUBTOTAL (D+E)	<u>1,128,726</u>	<u>-</u>	<u>1,128,726</u>	<u>-</u>	<u>1,128,726</u>
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	<u>31,867</u>	<u>-</u>	<u>31,867</u>	<u>-</u>	<u>31,867</u>
(H) Capitalization Dedicated to Public Service (F-G)	<u>1,096,859</u>		<u>1,096,859</u>		<u>1,096,859</u>
(J) Excess Earnings Base (Total Earnings Base) less Average Capitalization Devoted to Service Current Customers) (C-H)	<u>\$ (4,893)</u>		<u>\$ (4,893)</u>		<u>\$ (4,893)</u>

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
<u>Electric Transmission Plant</u>					
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	H5	-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%
<u>Electric Distribution Plant</u>					
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 - Luminaires	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 - Luminaires	20	S3	-30.0%	6.50%
373.30	O/H St. Lights - LED	25	S3	-30.0%	5.20%
373.40	U/G St. Lights - LED	25	S3	-30.0%	5.20%
<u>Electric General Plant</u>					
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%

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
<u>Common General Plant</u>					
390.00	Structures and improvements	45	HO.5	-15.70%	2.57%
391.10	Office furniture and equipment	22	SQ	0.00%	4.55%
391.21	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	Tools, shop and garage equipment	22	SQ	0.00%	4.55%
395.00	Laboratory equipment	22	SQ	0.00%	4.55%
396.00	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	Miscellaneous equipment	22	SQ	0.00%	4.55%
398.10	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

Account	Account Name	Average Service Life (ASL)	Curve	Net Salvage	Depreciation Rate
<u>Gas Transmission Plant</u>					
365.00	Land Rights	100	SQ		1.00%
366.00	Structures and improvements	55	R2	-10.00%	2.00%
367.00	Mains	85	R3	-10.00%	1.29%
369.15	Measuring and regulating station equipment	40	R0.5	-10.00%	2.75%
369.25	Measuring and regulating station equipment - manholes	45	LO	-30.00%	2.89%
369.55	Measuring and regulating station equipment - RTU	25	H4	-5.00%	4.20%
<u>Gas Distribution Plant</u>					
374.00	Land Rights	100	SQ		1.00%
375.00	Structures and improvements	45	L0	-40.00%	3.11%
376.11	Mains - Steel	95	H4	-40.00%	1.47%
376.12	Mains - Plastic	65	H4	-30.00%	2.00%
376.13	Mains - Cast Iron	80	S0.5	-200.00%	3.75%
376.14	Mains - Valves	90	S2	-20.00%	1.33%
378.10	Measuring and regulating station equipment	36	L0.5	-30.00%	3.61%
378.20	Measuring and regulating station equipment - manholes	45	L0	-35.00%	3.00%
378.55	Measuring and regulating station equipment - RTU	25	H4	-5.00%	4.20%
380.10	Services - Metallic	60	R1.5	-10.00%	1.83%
380.20	Services - Plastic	60	R4	-10.00%	1.83%
381.00	Meters	33	R2.5	-5.00%	3.18%
382.00	Meter installations	50	R1	-50.00%	3.00%
383.00	House regulators	40	R1	0.00%	2.50%
384.00	House regulator installations	40	H5	0.00%	2.50%
385.00	Industrial measuring and regulating equipment	40	R5	0.00%	2.50%
<u>Gas General Plant</u>					
390.00	Structures and improvements	55	L0.5	0.00%	1.82%
391.10	Office furniture and equipment	22	SQ	0.00%	4.55%
391.15	Data processing equipment	5	SQ	0.00%	20.00%
393.00	Stores equipment	22	SQ	0.00%	4.55%
394.10	Tools, shop and garage equipment	22	SQ	0.00%	4.55%
394.20	Natural gas vehicles refueling equipment	22	SQ	0.00%	4.55%
395.00	Laboratory equipment	22	SQ	0.00%	4.55%
396.00	Power operated equipment	22	SQ	0.00%	4.55%
397.10	Communication equipment - Network	22	SQ	0.00%	4.55%
397.20	Communication equipment - Radio	22	SQ	0.00%	4.55%
397.30	Communication equipment - Telephone	8	SQ	0.00%	12.50%
398.00	Miscellaneous equipment	22	SQ	0.00%	4.55%
398.10	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
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
<u>Electric Direct Capex</u>				
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
<u>Allocated Capex (at 100%)</u>				
Info Services - Electric	\$200	\$200	\$200	\$228
New Energy Solution - Electric Products	\$0	\$9,269	\$0	\$0
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
Total Electric and Common Capex	\$500,162	\$562,720	\$582,181	\$604,852
<u>Cost of Removal</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>
<u>Electric Direct Cost of Removal</u>				
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
<u>Allocated Cost of Removal (at 100%)</u>				
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	FY'19 Rate Year	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	\$ 12,911	\$ 13,643	\$ 14,417	
	Base Growth - Neighborhood Expansion Program - Main	\$ 623	\$ 679	\$ 693	\$ 708	
	Base Growth - Neighborhood Expansion Program - Services	\$ 375	\$ 489	\$ 499	\$ 510	
	Base Growth - Customer Contributions	\$ (2,048)	\$ (1,494)	\$ (1,525)	\$ (1,558)	
	Base Growth - Fitting	\$ 4,614	\$ 3,558	\$ 3,633	\$ 3,709	
	Base Growth - Install Meter/Regulator	\$ 2,302	\$ 3,245	\$ 3,313	\$ 3,383	
	Base Growth - Meter Purchases	\$ 1,145	\$ 1,926	\$ 1,966	\$ 2,008	
	Gas System Reinforcement	\$ 3,322	\$ 6,185	\$ 7,857	\$ 10,200	
	Marcy NanoTech Center (MV Edge)	\$ 9,559	\$ 500	\$ -	\$ -	
	Marcy NanoTech Center (MV Edge) CIAC	\$ (9,559)	\$ (500)	\$ -	\$ -	
	Global Foundries	\$ -	\$ -	\$ -	\$ -	
	Global Foundries CIAC	\$ -	\$ -	\$ -	\$ -	
	Subtotal Growth		\$ 28,364	\$ 34,707	\$ 37,438	\$ 40,891
	Mandated	CSC/Public Works	\$ 6,000	\$ 6,064	\$ 6,191	\$ 6,321
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	\$ 949	
10-12-14-Inch CI Program		\$ -	\$ -	\$ -	\$ -	
Replace Pipe on Structures		\$ -	\$ 825	\$ 1,578	\$ 795	
Main Replacement (Reactive) - Maintenance		\$ 828	\$ 1,012	\$ 1,033	\$ 1,055	
Cross Bore Investigation		\$ 1,026	\$ 612	\$ 625	\$ -	
Atmospheric Corrosion Inside Inspections (Remediation)		\$ 670	\$ 180	\$ 184	\$ 188	
Transmission Services		\$ 429	\$ 3,401	\$ 3,472	\$ 3,545	
Purchase Meters (Replacements)		\$ 4,307	\$ 4,116	\$ 4,202	\$ 4,291	
Install Elevated Pressure Meter Correctors		\$ -	\$ 911	\$ 930	\$ 950	
Advanced Metering Infrastructure (AMI) - ERTS		\$ -	\$ -	\$ -	\$ -	
ERT Replacement		\$ -	\$ -	\$ 2,500	\$ 7,500	
Meter Changes		\$ 5,772	\$ 4,862	\$ 4,964	\$ 5,068	
Other Meter Work		\$ -	\$ -	\$ -	\$ -	
Soft-Offs		\$ -	\$ -	\$ -	\$ -	
Pipeline Integrity IMP (Integrity Management Program)		\$ 12,181	\$ 12,500	\$ 13,759	\$ 17,750	
Pipeline Integrity IVP (Integrity Verification Program)		\$ 4,500	\$ 3,375	\$ 4,014	\$ 4,026	
PL 34-8 Inch Replacement		\$ -	\$ 2,906	\$ 12,068	\$ 448	
PL 36-16 Inch Replacement		\$ -	\$ -	\$ -	\$ -	
Transmission Pipeline Washout		\$ 500	\$ 500	\$ 511	\$ 521	
Transmission Pipeline (Reactive)		\$ 500	\$ 500	\$ 511	\$ 521	
Service Replacements - Proactive		\$ -	\$ -	\$ -	\$ -	
Service Replacement (Reactive) - Leaks		\$ 4,816	\$ 4,336	\$ 4,427	\$ 4,520	
Service Replacements (Reactive) - Non-Leaks/Other		\$ 4,590	\$ 2,472	\$ 2,524	\$ 2,577	
Lock Numbers 10 & 11 Washout		\$ -	\$ -	\$ -	\$ -	
Subtotal Mandated			\$ 94,607	\$ 95,964	\$ 112,810	\$ 110,428
Reliability		Gas System Control	\$ 86	\$ -	\$ -	\$ -
		Gas System Control - Gas Control (Telemetry Upgrade 3G to 4G)	\$ -	\$ 100	\$ 100	\$ -
		Gas System Control - Gas Control (Training Simulator)	\$ -	\$ -	\$ 60	\$ 340
	Gas System Reliability - Gas Planning/RCV Programs	\$ 985	\$ 2,511	\$ 2,564	\$ 2,618	
	Gas System Reliability - Albany Loop Closure	\$ 250	\$ 3,000	\$ 15,540	\$ 31,440	
	Valve Installation/Replacement	\$ 290	\$ 245	\$ 250	\$ 255	
	Water Intrusion	\$ 905	\$ 433	\$ 442	\$ 451	
	I&R - Reactive / CNG	\$ 386	\$ 333	\$ 340	\$ 347	
	I&R CNG Construct 3 Portable Gas Regulator Stations	\$ -	\$ 225	\$ -	\$ -	
	I&R CNG Purchase Portable CNG Tube Trailer	\$ -	\$ -	\$ -	\$ -	
	I&R Training Facilities	\$ -	\$ 500	\$ -	\$ -	
	Security At Critical Infrastructure	\$ -	\$ 1,550	\$ 1,583	\$ 1,616	
	Methane Emission Reduction	\$ -	\$ 800	\$ 817	\$ 834	
	System Automation	\$ 750	\$ 750	\$ 1,000	\$ 1,500	
	Heater Installation Program	\$ -	\$ 1,000	\$ 1,500	\$ 2,000	
	Pressure Regulating Facilities	\$ 2,710	\$ 4,640	\$ 4,737	\$ 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	\$ 1,290	\$ 80	\$ -	
	Pressure Reg Station - Mariaville Road Rotterdam - GRS 924-434	\$ -	\$ 400	\$ 1,700	\$ 80	
	Pressure Reg Station - Putnam Gate - GRS 924-450	\$ 250	\$ 25	\$ -	\$ -	
	Pressure Reg Station - Campion Road GRS 824-688	\$ -	\$ 500	\$ -	\$ 1,800	
	Pressure Reg Station - Brookview Gate Station	\$ 225	\$ 1,210	\$ -	\$ -	
	Pressure Reg Station - Chestnut St GRS 824-175.201	\$ 75	\$ -	\$ -	\$ -	
	Pressure Reg Station - Oneida Supply - GRS 824-709	\$ -	\$ 500	\$ 2,100	\$ 80	
	Pressure Reg Station - Elton Ave & Salina St GRS 824-043	\$ 2,000	\$ 75	\$ -	\$ -	
	Pressure Reg Station - Cold Springs Rd - GRS 824-127	\$ -	\$ 500	\$ -	\$ 2,000	
	Pressure Reg Station - Washington & Fuller - GRS 924-313	\$ -	\$ -	\$ 620	\$ -	
	Pressure Reg Station - Sandy Creek GRS 824-216A, 216B	\$ -	\$ -	\$ -	\$ 600	
	Pressure Reg Station - Valentine Rd GRS 924-452	\$ -	\$ -	\$ -	\$ -	
	Pressure Reg Station - Dams Corners GRS 824-697	\$ -	\$ -	\$ -	\$ -	
	Pressure Reg Station - All Other	\$ -	\$ -	\$ -	\$ -	
	Subtotal Reliability Sum		\$ 9,362	\$ 21,087	\$ 34,183	\$ 51,798
Non-Infrastructure	Tools & Equipment - Various	\$ 942	\$ 806	\$ 823	\$ 840	
	Combustible Gas Indicators	\$ -	\$ -	\$ -	\$ -	
	Restrictions for Elevated Gas Infrastructure	\$ -	\$ 1,052	\$ 1,074	\$ 1,097	
Subtotal Non-Infrastructure		\$ 942	\$ 1,858	\$ 1,897	\$ 1,937	
Misc	Misc	\$ -	\$ -	\$ -	\$ -	
Subtotal Misc		\$ -	\$ -	\$ -	\$ -	
Total Direct Capital (Capital and COR)		\$ 133,275	\$ 153,616	\$ 186,328	\$ 205,054	
Cost of Removal		\$ 8,773	\$ 9,969	\$ 10,551	\$ 11,764	
Total Direct Capital (Capital)		\$ 124,502	\$ 143,647	\$ 175,777	\$ 193,290	
Pension/OPEB FASB Adjustment		\$ -	\$ (4,257)	\$ -	\$ -	
Total Direct Capital and COR after Pension/OPEB FASB Adjustment		\$ 133,275	\$ 149,359	\$ 186,328	\$ 205,054	
New Energy Solution - Gas Products		\$ -	\$ -	\$ 140	\$ 119	
Total Gas Capital Investment		\$ 133,275	\$ 149,359	\$ 186,468	\$ 205,173	

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Distribution Capital Investment Plan
FY18 - FY21
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Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21	
Asset Condition	D/SUB T _Asset Replacement	*NR-N GOUVERNEUR 98352-LEAD MINE RD	C049635	0	0	0	163,200	
		BLUE STORES 30351 - PLEASANT VALE	C051985	0	90,100	0	0	
		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	CD00969	7,650	7,350	0	0	
		BUFFALO STATION 12 - FDR REM & TIES	C036208	990	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 FEEDER	C046618	1,050	1,100	0	0	
		BUFFALO STATION 42 REBUILD - D LINE	C046859	0	0	0	0	
		BUFFALO STATION 42 REBUILD - D STAT	C046854	0	0	0	0	
		BUFFALO STATION 72 - 25 CYCLE FEEDER	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	C048906	0	0	106,250	0	
		CUYLER DLINE - POLE MOUNTED EQUIP	C055354	0	232,092	0	0	
		DELEVAN F1162 STEEL WIRE PIW	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	C029432	0	0	0	447,100	
		KARNER - PATROON RECONDUCTING 477	C052303	0	0	0	0	
		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	C049964	0	0	0	0	
		KARNER 31716 FEEDER CONVERSION	C049979	0	0	0	0	
		KARNER 31717 FEEDER CONVERSION	C049980	0	0	0	0	
		KARNER 31718 FEEDER CONVERSION	C049984	0	0	0	0	
		KARNER 31719 FEEDER CONVERSION	C049982	0	0	0	0	
		KARNER- RUTH RD RECONDUCTING 477	C049989	0	0	0	0	
		KARNER-PINEBUSH CONVERSION	C052308	0	0	0	0	
		LASHER RD - NEW STATION - DIST GET	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	C068348	172,000	171,700	0	0	
		MACHIAS F1362 REPLACE STEEL WIRE	C056619	0	0	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	C046502	0	127,500	0	0	
		NORTON STREET UG CIVIL REBUILD	C050138	0	383,350	0	0	
		NR-T.L81452-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 COMMNCATIONS - WEST	C065009	403,590	485,100	0	0	
		RECLOSER COMMUNICATION SUBS CENTRAL	C074646	6,375	0	0	0	
		RECLOSER COMMUNICATIONS - CENTRAL	C065011	931,920	666,270	0	0	
		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	0	0	
		STATION 01 - REMOVE 25 CYCLE FEEDER	C046624	0	18,950	3,080	0	
		STATION 05 - 25 CYCLE FEEDER 0528 R	C046623	0	18,950	2,450	0	
		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	0	0	
		TERMINAL STATION RELOCATION DLINE	C059671	0	0	50,000	100,000	
		TONAWANDA - F7128 REMOVAL	C036206	2,600	2,600	0	0	
		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
		D/SUB T _Blanket	CENT NY-DIST-ASSET REPLACE BLANKET	CNC0017	1,974,960	2,015,000	2,015,000	2,055,000
			CNY-DIST-SUBSTN ASSET REPL BLNKT	CNC0026	0	7,000	7,000	7,000
			EAST NY-DIST-ASSET REPLACE BLANKET	CNE0017	1,995,000	2,035,000	2,035,000	2,076,000
			WEST NY-DIST-ASSET REPLACE BLANKET	CNW0017	2,763,000	2,818,000	2,818,000	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			2,199,912	2,208,245	2,208,245	2,208,245
		D/SUB T _Inspection \$ Maintenance	I&M - NC D-LINE OH WORK FROM INSP	C026160	10,899,460	10,016,640	10,016,640	10,016,640
			I&M - NC D-LINE UG WORK FROM INSP	C026163	499,500	500,240	500,240	500,240
			I&M - NE D-LINE OH WORK FROM INSP	C026159	13,499,820	15,138,000	15,138,000	15,138,000
			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
			OTTEN 41213- CRUSHER HILL RD	C053629	98,600	0	0	0
		D/SUB T _Inspection \$ Maintenance Total			39,522,248	40,707,137	40,696,838	40,696,838
		D/SUB T _Ntwk Secondary UG Cable Repl	NETWORK SECONDARY CABLE REPLACEMENT	C052903	240,000	3,000,000	3,000,000	3,000,000
				C052923	150,000	150,400	150,400	150,400
				C052924	240,000	4,000,000	4,000,000	4,000,000
			TROY LVAC NETWORK - WILLIAM ST	CD00628	112,800	0	0	0
		D/SUB T _Ntwk Secondary UG Cable Repl Total			742,800	7,150,400	7,150,400	7,150,400
		D/SUB T _Primary UG Cable Replacement	BUTLER 53 - BUILD 36253 FEEDER - UG	C028878	0	0	0	115,020
			CURRY RD 36552 UG GETAWAY REPLACE	C056406	0	289,850	0	0
			GROOMS 55 - DEER RUN CABLE REPLACE	C065947	0	140,000	0	0
			HAGUE RD 53 - SUBMARINE CABLE	C050522	0	0	75,000	2,000,000
			Island Transformer & Submarine Cable Program	C026977	0	0	500,000	500,000
			NEW KRUMKILL 42153 - UG GETAWAY REP	C046648	0	350,200	0	0
			RIVERSIDE 28855 UG CABLE REPLACEME	C036468	0	1,203,200	1,100,000	1,196,800
		SCHROON 51 - SUBMARINE CABLE REPAIR	C050333	0	0	76,500	0	

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
	D/SUB T	Primary UG Cable Replacement Total		0	1,983,250	1,751,500	3,811,820
		AVENUE A 291 METALCLAD REPLACEMENT	C056609	0	0	490,000	1,600,500
		CHRISLER REBUILT STATION - STATION	C068290	0	1,049,540	3,500,000	3,499,760
		DELMAR DISTRIBUTION REMOVAL	C050241	0	0	0	0
		DELMAR STATION RETIREMENT	C049692	0	0	0	0
		EMMET ST - REPL TB1 AND MCLAD	C017952	0	0	0	63,000
		HOPKINS 253 - REPLACE METALCLAD GEA	C046741	150,000	2,789,630	2,750,000	760,000
		HOPKINS RD METALCLAD REPL DLINE	C054383	15,000	219,620	147,050	0
		JOHNSON RD - REPLACE METALCLAD GEAR	C046747	0	0	0	327,000
		MARKET HILL SUBSTATION RETIREMENT	C046367	0	0	1,000	0
		MCKNOWNVILLE 327 METALCLAD REPLACEMENT	C056612	0	0	0	150,000
		NEW MAPLE AVE SUBSTATION	C073527	150,000	750,000	3,500,000	3,350,000
		PINE GROVE METALCLAD REPLACEMENT	C056614	0	0	0	0
		PINEBUSH - REPLACE METALCLAD GEAR	C046744	0	0	0	0
		STATION 140 METALCLAD REPLACEMENT	C056616	0	0	0	0
		STATION 162 METALCLAD REPLACEMENT	C052706	0	0	0	232,800
		STATION 61 - METALCLAD REPLACEMENT	C051707	0	0	0	150,000
		TULLER HILL 246 UNIT METALCLAD REPL	C056611	0	1,500,000	672,210	0
		WHITESBORO 632 - RETIREMENT	C046742	0	0	10,000	10,000
	D/SUB T	Sta Metal-Clad Switchgear Total		315,000	6,308,790	11,070,260	10,143,060
	D/SUB T	Substation Battery&Related		291,000	291,000	291,000	291,000
		BATTS/CHARG- NY CENTRAL	C032013	291,000	291,000	291,000	291,000
		BATTS/CHARG- NY WEST	C032014	436,500	242,500	97,000	339,500
		BATTS/CHARG- NY EAST	C032012	199,820	199,820	199,820	199,820
	D/SUB T	Substation Battery&Related Total		927,320	733,320	587,820	830,320
	D/SUB T	Substation Breaker		606,466	618,128	628,819	628,819
		NC ARP BREAKERS & RECLOSERS	C032253	606,466	618,128	628,819	628,819
		NE ARP BREAKERS & RECLOSERS	C032252	631,735	635,623	647,285	647,285
		NW ARP BREAKERS & RECLOSERS	C032261	650,202	650,202	650,202	650,202
		PEAT ST - REPLACE R825 OCB	C049550	0	303,610	0	0
	D/SUB T	Substation Breaker Total		1,888,402	2,207,563	1,926,306	1,926,306
	D/SUB T	Substation Indoor		0	0	0	0
		BEECH ST 81 - INDOOR SUBSTATION REF	C046577	0	0	0	0
		BUFFALO STATION 30 - REBUILD - FDRS	C015754	0	0	0	86,000
		BUFFALO STATION 30 REBUILD - STA	C046519	0	0	0	0
		BUFFALO STATION 34 REBUILD - LINE	C046932	0	0	0	0
		BUFFALO STATION 37 REBUILD - LINE	C033477	100,000	0	0	0
		BUFFALO STATION 37 REBUILD - SUB	C033474	1,528,550	0	0	0
		BUFFALO STATION 53 REBUILD - LINE	C046929	0	86,000	600,100	600,100
		BUFFALO STATION 53 REBUILD - SUB	C046945	0	0	93,000	1,753,700
		BUFFALO STATION 59 REBUILD - LINE	C033478	250,800	0	0	0
		BUFFALO STATION 59 REBUILD - SUB	C033475	3,983,790	1,265,850	0	0
		EIGHTH ST 80 - INDOOR SUBSTATION RE	C046585	0	0	0	0
		EIGHTH ST 80 - SUB REFURB D-LINE	C046586	0	0	19,400	194,000
		ELEVENTH ST 82 - INDOOR SUBSTATION	C046582	0	0	0	0
		STEPHENSON 85 - SUB REFURB D-LINE	C046580	0	0	0	0
		WELCH 83 - SUB REFURB D-LINE	C046584	0	0	0	20,000
	D/SUB T	Substation Indoor Total		5,863,140	1,351,850	712,500	2,653,800
	D/SUB T	Substation Mobile		0	0	0	1,000,070
		MOBILE SUBSTATION 2E - REPLACEMENT	C046666	0	0	0	0
		MOBILE SUBSTATION 4E - REFURBISH AN	C046667	0	400,000	400,000	0
		NY MOBILE SUBSTATION PROGRAM	C051744	0	0	776,000	0
		NYC & NYW MOBILE SUB 115KV/12MVA	C066487	1,316,000	384,000	0	0
		REBUILD 6W MOBILE SUBSTATION	C066566	400,000	400,000	0	0
	D/SUB T	Substation Mobile Total		1,716,000	1,184,000	1,176,000	1,000,070
	D/SUB T	Substation Power Transformer		400,000	3,105,000	45,000	0
		ALTAMONT TB1 REPLACEMENT	C066227	400,000	3,105,000	45,000	0
		BUTLER SUBSTATION INSTALL BUS PTS	C070010	10,000	0	0	0
		CUYLER24 DSUB STATION REMOVAL	C036102	7	845	0	0
		EAST DUNKIRK STA 63 TB REPLACEMENTS	C066266	1,216,063	22,477	0	0
		GALEVILLE 71,72&73 FDRS CONVERSION	C050749	0	0	0	0
		GALEVILLE STATION REBUILD	C050746	0	0	0	0
		GROOMS RD TRANSFORMER REPLACEMENT	C051706	2,616,000	0	0	0
		IE - NY ARP TRANSFORMERS	C025801	0	899,190	899,190	899,190
		NY ARP SPARE SUBSTATION TRANSFORMER	C026055	0	599,460	599,460	599,460
		ROCK CITY STATION 623 - TRANSFORMER	C046671	0	50,000	600,000	700,000
		STATE ST 954 STATION RETIREMENT	C050640	1,050	10,500	9,450	0
		STATION 124 - ALMEDA AVE TRANSFORME	C046670	0	463,660	2,583,110	354,050
	D/SUB T	Substation Power Transformer Total		4,243,119	5,151,132	4,736,210	2,552,700
	D/SUB T	Substation Relay		752,073	0	0	0
		RIVERSIDE RELAY REPLACEMENT	C049606	752,073	0	0	0
		TEMPLE RELAY REPL FOR ASH ST LINE	C055184	285,000	0	0	0
		TEMPLE STATION RELAY REPLACEMENT	C049616	568,420	0	0	0
		TRINITY STATION RELAY REPLACEMENT	C049625	751,750	0	0	0
	D/SUB T	Substation Relay Total		2,357,243	0	0	0
	D/SUB T	Sub-T Overhead Line		0	130,000	130,000	0
		L867 UNDERBUILT DISTRIBUTION	C057047	0	130,000	130,000	0
		M&T L701- TRANSFER DIST UNDERBUILD	C054366	0	0	0	0
	D/SUB T	Sub-T Overhead Line Total		0	130,000	130,000	0
	D/SUB T	Dist Overhead Line		0	0	0	25,000
		MAPLE AVE - CONVERT 32422 & 32423	C069913	0	0	0	25,000
		MAPLE AVE - NEW FEEDER 51	C069907	0	0	20,000	390,040
		MAPLE AVE - NEW FEEDER 52 PART 2	C069909	0	0	30,000	600,000
		MAPLE AVE - NEW FEEDER 52 PART 3	C069910	0	0	34,000	667,152
		MAPLE AVE - NEW FEEDER 52/53 PART 1	C069908	0	0	17,000	338,067
		MAPLE AVE - NEW FEEDER 53 PART 2	C069911	0	0	5,000	100,000
		MAPLE AVE - NEW FEEDER 54	C069912	0	0	25,000	0
		MAPLE AVE FEEDER GETAWAYS - CABLE	C069906	0	0	750,000	0
		MAPLE AVE FEEDER GETAWAYS - CIVIL	C046479	0	0	600,210	0
	D/SUB T	Dist Overhead Line Total		0	0	1,481,210	2,120,259
	Substation Circuit Switcher	OGDENBROOK 115KV CKT SWITCHER 6177	C072491	0	0	0	180,005
	D/SUB T	Substation Circuit Switcher Total		0	0	0	180,005
		Asset Condition Total		76,062,460	81,676,659	82,848,549	87,332,993
	3rd Party Attachments	Broadband for All	C075964	2,268,240	0	0	0
		TWC in support of Broadband for All	C077091	2,011,620	0	0	0
		3rd Party Attachments Total		4,279,860	0	0	0
	D/SUB T	Blanket		1,102,920	1,125,000	1,125,000	1,148,000
		CENT NY-DIST-3RD PARTY ATTCH BLANKT	CNC00022	1,102,920	1,125,000	1,125,000	1,148,000
		CENT NY-DIST-METER BLANKET	CNC00004	1,414,920	1,441,000	1,443,000	1,370,000
		CENT NY-DIST-NEW BUS-COMM BLANKET	CNC00011	4,314,000	4,400,000	4,400,000	4,488,000
		CENT NY-DIST-NEW BUS-RESID BLANKET	CNC00010	8,851,000	9,028,000	9,028,000	9,209,000
		CENT NY-DIST-PUBLIC REQUIRE BLANKET	CNC00013	1,545,960	1,577,000	1,577,000	1,608,000
		CENT NY-DIST-ST LIGHT BLANKET	CNC00012	2,275,920	2,976,305	2,976,305	3,022,305
		EAST NY-DIST-3RD PARTY ATTCH BLANKT	CNE000022	720,000	734,000	734,000	749,000
		EAST NY-DIST-METER BLANKET	CNE000004	2,011,920	2,050,000	2,052,000	1,991,000
		EAST NY-DIST-NEW BUS-COMM BLANKET	CNE000011	4,801,920	4,898,000	4,898,000	4,996,000
		EAST NY-DIST-NEW BUS-RESID BLANKET	CNE000010	7,872,000	8,029,000	8,029,000	8,190,000
		EAST NY-DIST-PUBLIC REQUIRE BLANKET	CNE000013	1,431,000	1,460,000	1,460,000	1,489,000
		EAST NY-DIST-ST LIGHT BLANKET	CNE000012	1,432,920	1,873,950	1,873,950	1,902,950
		LAND AND LAND RIGHTS NY CENTRAL	CNC000091	1,443,960	1,480,000	1,473,000	1,502,000
		LAND AND LAND RIGHTS NY EAST	CNE0000091	1,233,960	1,265,000	1,259,000	1,284,000

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21		
Customer Requests/Public Requirements		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	CN03620	20,274,000	20,500,000	20,679,000	21,093,000		
		RISK RESERVE	C077093	(4,279,860)	0	0	0		
		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		
		WEST NY-DIST-NEW BUS-COMM BLANKET	CNW0011	4,267,920	4,353,000	4,353,000	4,400,000		
		WEST NY-DIST-NEW BUS-RESID BLANKET	CNW0010	5,175,000	5,279,000	5,279,000	5,384,000		
		WEST NY-DIST-PUBLIC REQUIRE BLANKET	CNW0013	1,071,000	1,092,000	1,092,000	1,114,000		
		WEST NY-DIST-ST LIGHT BLANKET	CNW0012	3,247,920	4,246,745	4,246,745	4,312,745		
		D/SUB T_ Blanket Total		78,538,180	86,305,000	86,160,000	86,550,000		
		D/SUB T_New Business	BIRCH AVE 51 - ROUTE 9N CONVERSION	C053127	0	180,200	0	0	
			EAST BATAVIA SUBSTATION - DLINE UPG	CD00587	0	0	280,000	0	
			F18151 CONVERSION BUSH RD	C063987	0	0	0	233,350	
			NEW LED CENTRAL NY	C069886	2,509,000	2,509,000	2,509,000	2,509,000	
			NEW LED EAST NY	C069947	2,021,500	2,021,500	2,021,500	2,021,500	
			NEW LED WEST NY	C069927	2,439,500	2,439,500	2,439,500	2,439,500	
			OAK RUN ESTATES URD F10551 CONVSN	C055125	0	325,130	0	0	
			RESERVE FOR NEW BUSINESS COMMERCIAL	C046920	6,999,720	7,140,000	7,282,000	7,428,000	
			RESERVE FOR NEW BUSINESS RESIDENTIA	C046921	5,999,670	6,120,000	6,242,000	6,367,000	
			D/SUB T_ New Business Total		19,969,390	20,735,330	20,774,000	20,998,350	
		D/SUB T_Public Requirements	BROADWAY_SCHENECTADY STREETScape	C072766	103,320	0	0	0	
			BUFFALO MUNICIPAL HSGING AUTH BUFFALO	C071198	0	0	0	0	
			LEHIGH ADD 2ND TRANSFORMER	C074607	3,056,147	900,000	0	0	
			PIN 1085.42 RT 146 / MOHAWK	C057859	212,500	0	0	0	
			PIN 1460.32 RT 32 OVER MOHAWK RIVER	C054068	0	577,800	0	0	
			PIN 1760.11 GEYSER RD TRAIL DESIGN	C074671	175,100	0	0	0	
			PIN1085.33 HAMBURG STREET ROUTE 14	C074647	799,850	0	0	0	
		D/SUB T_ Public Requirements Total		5,908,140	8,607,000	8,779,000	8,954,000		
		Meter Installations	ADVANCED METERS NYC	C077177	0	0	0	0	
			ADVANCED METERS NYE	C077176	0	0	0	0	
			ADVANCED METERS NYW	C077178	0	0	0	0	
			Meter Installations Total		0	0	0	0	
		Customer Requests/Public Requirements Total			113,042,487	117,125,130	115,713,000	116,502,351	
	Damage/Failure	D/SUB T_Blanket	CENT NY-DIST-DAMAGE/FAILURE BLANKET	CNC0014	11,862,000	12,918,000	12,244,000	12,489,000	
			CENT NY-DIST-SUBS BLANKET	CNC0002	675,943	690,000	690,000	703,000	
			EAST NY-DIST-DAMAGE/FAILURE BLANKET	CNE0014	12,826,920	14,680,000	13,236,000	13,500,000	
			EAST NY-DIST-SUBS BLANKET	CNE0002	939,305	958,230	958,086	977,175	
			WEST NY-DIST-DAMAGE/FAILURE BLANKET	CNW0014	8,808,000	8,985,000	8,985,000	9,165,000	
			WEST NY-DIST-SUBS BLANKET	CNW0002	815,479	1,116,000	832,000	849,000	
			D/SUB T_ Blanket Total		35,927,648	39,347,230	36,945,086	37,683,175	
			D/SUB T_Damage Failure Other	ASH ST LVAC TRANS N46179-FAILURE	C074903	100,000	0	0	0
				BURGOYNE TB2 REPLACEMENT	C070347	170,000	0	0	0
				DEBALSO CKT SW18 AND BATTERIES D/F	C076663	30,000	0	0	0
				HENRY ST SUB STATION TRANSFORMER	C069551	35,400	0	0	0
				RESERVE FOR DAMAGE/FAILURE UNIDENTI	C046918	1,000,080	1,989,000	2,029,000	2,069,000
			D/SUB T_ Damage Failure Other Total		6,119,623	6,242,361	6,366,918	6,495,110	
	Damage/Failure Total			7,455,103	8,231,361	8,395,918	8,564,110		
Non-Infrastructure	D/SUB T_Blanket	CENT NY-GENERAL-GENL EQUIP BLANKET	CNC0070	676,999	876,000	691,000	704,000		
		EAST NY-GENERAL-GENL EQUIP BUDGETARY RESERV	CNE0070	717,000	830,000	731,000	746,000		
		WEST NY-GENERAL-GENL EQUIP BLANKET	CNW0070	823,999	840,000	840,000	857,000		
		D/SUB T_ Blanket Total		2,217,998	2,546,000	2,262,000	2,307,000		
		Non-Infrastructure Total			2,217,998	2,546,000	2,262,000	2,307,000	
Advanced Distribution Automation (ADA)	Advanced Distribution Automation (ADA)	NY FLISR CENTRAL - D-LINE	C076104	0	0	0	0		
		NY FLISR EAST - D-LINE	C076101	0	0	0	0		
		NY FLISR WEST - D-LINE	C076106	0	0	0	0		
		Advanced Distribution Automation (ADA) Total			0	0	0	0	
	CIP	CIP	ADD UFLS RELAY TO BUFFALO ST 129	C075810	0	0	0	0	
			ADD UFLS RELAY TO BUFFALO ST 21	C075802	33,000	148,611	0	0	
			ADD UFLS RELAY TO BUFFALO ST 23	C075803	0	33,000	167,906	0	
			ADD UFLS RELAY TO BUFFALO ST 33	C075809	0	0	0	0	
			ADD UFLS RELAY TO BUFFALO ST 43	C075805	0	0	0	33,000	
			ADD UFLS RELAY TO BUFFALO ST 54	C075807	0	0	0	33,000	
			ADD UFLS RELAY TO BUFFALO ST 68	C075804	0	0	33,000	169,245	
			ADD UFLS RELAY TO CLINTON	C075847	0	0	0	28,000	
			ADD UFLS RELAY TO DELMAR	C076962	0	0	0	0	
			ADD UFLS RELAY TO MIDDLEBURG	C075850	0	0	0	0	
			ADD UFLS RELAY TO NEW KRUMKILL	C075843	0	28,312	138,364	0	
			ADD UFLS RELAY TO PROSPECT HILL	C075846	0	0	0	28,000	
			ADD UFLS RELAY TO SYCAWAY	C075844	33,000	104,572	0	0	
			ADD UFLS RELAY TO WOLF ROAD	C075845	0	0	33,000	142,513	
				CIP Total		66,000	314,495	372,270	433,758
		D/SUB T_Blanket	CENT NY-DIST-RELIABILITY BLANKET	CNC0015	1,641,000	1,674,000	1,674,000	1,707,000	
			EAST NY-DIST-RELIABILITY BLANKET	CNE0015	1,794,960	1,831,000	1,831,000	1,868,000	
			WEST NY-DIST-RELIABILITY BLANKET	CNW0015	1,854,000	2,063,000	1,891,000	1,929,000	
		D/SUB T_ Blanket Total		5,289,960	5,568,000	5,396,000	5,504,000		
			*BROOK RD 52 - LEWIS RD CONVERSION	C049761	0	0	111,780	0	
			*BROOK RD 57 - BRAIM RD CONVERSION	C049791	42,500	0	0	0	
			*BURGOYNE 51 - COUNTY HWY 41	C049790	0	0	27,000	0	
			*CHURCH ST 53 - CNTY HWY 132 CONVRT	C049652	0	0	0	602,640	
			*FARNAN RD 51 - BLUEBIRD ROAD	C029431	0	0	490,400	0	
			*FLORIDA-STONER FEEDER TIE	C050438	0	0	0	1,500,000	
			*GROOMS RD 34556 - RTE 146 RECONDUCT	C050105	0	0	190,400	0	
			*MCLELLAN 51 - UNION ST CONVERSION	C050085	0	499,770	500,000	0	
			*MIDDLEBURGH 51 - MALLON ROAD	C049758	0	0	0	153,000	
			*MUMFORD 5052 - RECONDUCTOR/CONVERT	C049885	0	0	490,000	0	
	*NR-BREMEN 81556-BEECH HILL RD		C049789	547,200	550,000	0	0		
	*NR-HIGLEY 92451-JOE INDIAN AREA		C049745	0	440,000	0	0		
	*NR-HIGLEY 92451-NYS HWY 56-FDR TIE		C046864	255,000	0	0	0		
	*NR-HIGLEY 92451-NYSHWY56 -NUMBER9		C046865	42,500	0	0	0		
	*NR-PARISHVILLE 93961-RELOCATE FDR		C049751	0	0	0	396,100		
	*ROSA RD 57-BALLTOWN RD CONVERSION		C050084	0	345,000	0	0		
	*SHARON 52 - STATE ROUTE 145		C049792	0	0	0	10,400		
	*UNION ST 53/54 - ROUTE 22 TIE		C056620	0	0	191,700	0		
	*VAIL MILLS 53 - UNION MILLS RD.		C019352	0	0	0	0		
	AMSTERDAM 51/53 WIDOW SUSAN AREA		C028835	0	0	0	306,850		
	ASHLEY 51 - BALDWIN CORNERS RD PH3		CD01117	0	0	112,000	0		
	BATTENKILL 56 - COUNTY HWY 46 ERR		C060327	0	90,300	0	0		
	BATTENKILL 56 ERR FUSING		C060285	0	0	0	0		
	BOLTON 51/WARRENSBURG 51 FEEDER TIE		CD00606	0	1,000,000	0	0		

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21		
D/SUB T_ERR_Eng Reliability Review		BROOK RD 54 - ROUTE 50 CONVERSION	C048584	0	0	0	717,400		
		BURDECK 26552 - WESTCOTT / CURRY RD	CD01226	0	0	0	0		
		BURDECK 52 ERR FUSING	C060686	0	150,410	0	0		
		BURDECK 54 - DUANESBURG RD CONVERT	C056558	0	0	17,500	280,000		
		BURGOYNE 51 - CLOSE GAPS ON COUNTY	CD00208	0	0	76,680	0		
		CENTER ST 52 - HICKORY HILL RD CONV	C056808	0	0	312,200	0		
		CENTER ST 54 - HYNEY HILL ROAD REBU	CD00357	0	0	200,000	0		
		CHRISLER AVE 25735 CONVERSION	C057133	0	14,400	300,240	0		
		CHRISLER AVE 25737 CONVERSION	C057132	0	20,160	400,320	400,320		
		CHRISLER REBUILT STATION - DIST GET	C064766	0	200,000	200,000	0		
		CLINTON 36653-54 CONVERSION TIE	C053628	0	0	249,900	0		
		CURRY RD 52 - ALTAMONT 55 TIE	C057249	0	0	81,200	0		
		EPHRATAH 31 - MUD RD RELOCATION	C056866	0	70,000	0	0		
		FLORIDA 51 - FORT HUNTER ROAD	C050693	0	0	0	0		
		FLORIDA 51 - MEAD ROAD	C050692	0	0	0	0		
		FRONT ST 52 - SCHERMERHORN ST RECON	C056746	0	0	0	0		
		LYNN 55 - WEAVER ST 51 TIE CONVRT	C055708	0	208,600	0	0		
		MIDDLEBURGH 51 - SCHOHARIE CREEK REM	C056970	7,000	33,600	0	0		
		MIDDLEBURGH 51 - SPUR RD RELOCATE	C056987	46,200	0	0	0		
		NR LYME 73351 T.I. 81455-NYSHWY12E	CD01295	447,200	0	0	0		
		NR T.I. 81455-BREEZEY PINES RD-OVER	CD01137	67,200	0	0	0		
		NR-92759-MT PISGAH RD-RELOCATION	C050201	265,200	0	0	0		
		NR-BRADY 95757-RIVERSIDE DR-FDR TIE	CD01191	580,000	0	0	0		
		NR-T.I.81458-COUNTY ROUTE 1-FDR TIE	CD01187	0	0	230,400	0		
		OGDENBROOK 51 - COTTAGE HILL RD	C054983	0	0	100,000	0		
		REYNOLDS RD 33455 CONVERSION	C046683	0	134,400	0	0		
		SCHOHARIE 52 - STATE ROUTE 443 REBU	CD00424	0	0	298,400	0		
		ST JOHNSVILLE - SANDERS ROAD (ERR)	C029439	0	0	0	372,000		
		UNION ST 52 - BROWNELL RD. REBUILD	C056657	0	0	0	91,200		
		UNION ST 52 - CONTENT FARM RD.	C056710	0	0	110,040	0		
		UNION ST 54 - LINCOLN HILL RD PH 1	C056625	0	0	117,040	0		
		VAIL MILLS 52 - COUNTY HWY 16 CONVNT	C055530	0	0	196,000	0		
		VAIL MILLS 52 - HONEYWELL CORNERS	C055707	0	0	225,000	0		
		WEAVER 51 - CRANE & FRANCIS CONVERS	C057129	20,000	0	0	0		
		WEAVER 51 - PLEASANT ST CONVERSION	C057110	0	322,630	0	0		
		D/SUB T_ERR_Eng Reliability Review Total			2,320,000	4,079,270	5,228,200	4,829,910	
		Reliability	D/SUB T_Reliability	*BETHLEHEM 02155 GLENMONT RD CONV	C049990	0	0	203,310	0
				*BLUE STORES 30352 - CONVERSION	C050107	0	0	699,840	0
*BYRON F1863 - REBUILD /RECONDUCTOR	C049762			0	0	0	819,200		
*CREATE FULL TIE F15351 TO F15352	C049720			0	0	0	16,000		
*CREATE FULL TIE F18251 TO F18254	C049882			0	0	0	16,000		
*CREATE FULL TIE F9354 TO F9353	C049783			0	356,000	0	0		
*E.GOLAH 5157 TIE W/LAKEVILLE 19752	C049880			0	0	0	16,000		
*HOOSICK 31451 - CONVERSION	C050082			0	0	199,750	0		
*HOOSICK 31452 CONVERSION-HIGH ST.	C050083			0	0	585,630	0		
*HUDSON 08753 - RTE 9G CONVERSION	C050108			0	0	544,850	0		
*MENANDS 10151 / 52 RELOCATIONS	C049998			0	750,360	0	0		
*MIDDLEPORT F7765 TIE W/SHELBY 7656	C049711			0	0	0	16,000		
*NR 76462-CORTE28-REBUILD	C049197			400,000	0	0	0		
*RBLD/CONV F15352 TO FULL TIE F6353	C049878			0	500,000	0	0		
*RBLD/CONV TO CREATE TIE F7652-7651	C049802			0	0	16,000	440,000		
*REBUILD DARIEN F1662 LIMITED TIE	C049634			0	0	16,000	20,000		
*REBUILD PORTION OF E.OTTO F2861	C049718			0	0	16,000	224,000		
*REBUILD PORTIONS OF CATT. F1562	C049686			0	0	0	0		
*SELKIRK 14951 -THATCHER/RIVER CONV	C049985			0	0	10,530	511,110		
*SELKIRK 52/ BETH 58-CREBLE RD CONV	C050001			0	0	258,400	0		
*TRINITY 16458 - MCCARTY AVE CONV	C050000			0	0	10,530	318,330		
*TRINITY 52- DELAWARE/PARK AVE CONV	C049999			0	172,550	0	0		
*WEIBEL 56 - WALL STREET REBUILD	C051325			0	0	0	11,440		
81452-HOPEWELL HALL ROAD REBUILD	C054910			0	0	144,500	0		
81453-ELLIS ROAD REBUILD&RELOCATION	C054930			0	0	0	96,000		
81458 DINGMAN POINT ROAD REBUILD RR	C054533			0	0	76,800	0		
89552 DYKE ROAD - REBUILD	C052447			0	0	326,400	0		
BAILEYSETTLEMENT-GORE RD REBUILD	C054583			0	0	332,000	0		
BATTENKILL 58 - CAMBRIDGE RD	C053182			0	0	125,800	0		
BOLTON 51 - TROUT LAKE RD 3 PHASE	C049560			499,800	0	0	0		
BROOK ROAD 54 - OLD BALLSTON AVE	C068126			0	0	0	85,800		
BROOK ROAD 55 - LAKE DESOLATION RD	C050691			0	0	0	294,400		
BUCKEY RD RETIREMENT	C070507			40	0	0	0		
CAMILLUS DSUB	C046637			0	0	0	0		
CHURCH ST 56 - CONVERT VROOMAN AVE	C048241			0	266,050	0	0		
CIP V5-C&I (NMPC LOW) NY EAST	C075755			115,000	0	0	0		
CIP V5-C&I (NMPC-LOW) NY WEST	C075756			10,000	0	0	0		
CLINTON 53 - BAUM & BURRELL ROADS	C050684			0	0	0	0		
CORINTH 52-MAIN ST REBUILD/CONVERT	C058899			0	0	112,200	0		
CR- LHH 44 2012 NYS PSC ACTION ITEM	CD00953			0	0	348,800	0		
CR- LHH44-N OSCEOLA RD	C055443			0	0	192,000	0		
CR- LORDS HILL 66 RECONDUCTORING	C054563			0	0	303,200	0		
CR- NILES 51 DOLPHIN POINT QRS	C053106			0	0	300,050	0		
CR- SANDY CREEK 51 WART RD REBUILD	C050679			0	0	98,600	0		
CR- WINE CREEK 53 TIE	C055690			0	0	275,200	0		
DELAMETER F9352 RECONFIGURED LAYOU	C047886			0	0	766,400	412,800		
EAST FULTON DEMO	C046630			0	0	0	10,050		
F0153 - WALKER RD PIW	C048179			0	0	0	148,000		
F0456/0457 BUILD FEEDER TIE	C049540			0	0	0	500,000		
F22652 KNAPP RD - STORM HARDENING	C052066			0	0	0	700,000		
F4361 PIW - LITTLEVILLE ROAD	C047870			0	0	149,600	0		
F9263 - ROUTE 31 PIW	C049084			0	0	200,000	0		
F9354 NEW TIE	C056867	0	0	0	0				
FORT GAGE 54 - ROUTE 9L REBUILD	C050680	0	999,600	0	0				
GROVELAND ST. F4161 - SMALL WIRE	C049909	0	0	304,000	0				
HINSDALE DSUB	C046638	0	0	13,200	0				
KNAPP RD 22651 FEEDER TIE	C028716	0	0	0	0				
LAND-WATERTOWN - GREENFIELD SUBSTA	C061245	0	50,000	100,000	0				
LEHIGH ADD 2ND BANK D-LINE	C074946	250,000	0	0	0				
LITTLE RIVER NEW 9555S FEEDER	C050922	15,000	0	0	0				
MIDDLEBURGH 51/SCHOHARIE 51 LS	C050764	0	0	0	0				
MIDDLEPORT ST F7765- SMALL WIRE -2	C049905	0	216,000	0	0				
MILITARY RD NEW FEEDER 21055	C036566	0	41,000	364,500	0				
MILL ST LVAC 2014 UPGRADES-N-2	C053903	0	0	155,200	500,000				
MILL ST LVAC 2014 UPGRADES-N-1	C054385	0	104,800	280,000	0				
MV-LEHIGH 51 & 54 TIE CREATION	C050004	0	0	0	328,050				

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
		MV-POLAND 62258 ROUTE 8 RECONDUCTO	CD00885	0	0	0	0
		MV-ROME 54 -HOGSBACK RD RECONDUCTOR	C050097	0	0	0	130,400
		MV-ROME 54-LAUTHER RD - RECONDUCTOR	C050086	0	0	0	432,800
		MV-TURIN 65355 & 56 TIE CREATION	C050002	0	0	700,000	700,000
		N LEROY F0455 - LINWOOD ROAD PIW	C056629	0	0	0	14,000
		NEW CICERO SUBSTATION DLINE	C046476	0	50,000	125,000	2,000,000
		NEW CICERO SUBSTATION DSUB	C046475	150,000	570,000	2,688,500	6,611,220
		NEW DIST SUB - TONAWANDA NYW DSUB	C051266	1,500,000	4,514,000	2,500,000	300,000
		NEW DIST SUB - TONAWANDA NYW DLINE	C051265	501,490	787,640	21,000	0
		NORTH BANGOR CONVERSION (D-LINE)	C046418	0	0	0	400,000
		NORTH BANGOR NEW 34.5/13.2KV STATIO	C046423	0	0	0	0
		NORTH CREEK 52 - CONVERT ROUTE 28	C050685	141,950	0	0	0
		NORTH CREEK 52 - EDWARDS HILL ROAD	C050688	0	0	166,400	0
		NORTH CREEK 52 - PEACEFUL VALLEY RD	C049622	0	0	499,800	0
		NORTH TROY 12353 - MSH - RELOCATION	C058224	0	270,400	0	0
		NR-LOWVILLE-SW528 REPLACEMENT	CD00959	2,790	0	0	0
		NR-RIVERVIEW 84762-FRENCH RD-RBLD	C050183	175,100	0	0	0
		NY - EAST 1 PH CUTOUT MOUNTED RCLRS	C053928	0	102,234	102,234	102,234
		NY CENTRAL 1PH CUTOUT MNT RECLOSER	C059620	0	102,234	102,234	102,234
		NY WEST 1 PH CUTOUT MNTED RECLOSERS	C059607	0	102,234	102,234	102,234
		OGDENBROOK 51-CONVERT AVIATION ROAD	C053381	0	0	0	0
		OLD HAWKEYE ROAD RELOCATION-84561	C055464	100,000	0	0	0
		PORT HENRY 52 - DALTON HILL RD	C054284	0	0	150,660	0
		POTTERSVILLE 51 - EAST SHORE DR	C050682	0	0	0	0
		PROCTORS GENERATION DEMO	C068750	472,000	0	0	0
		QUEENSBURY 57 - DREAM LAKE RD	C055592	0	49,000	0	0
		RECONDUCTOR 5552 TIE TO 5262	C048837	0	0	0	297,500
		REV - FEEDER MONITORS	C069688	844,770	0	0	0
		REYNOLDS RD 33455 - 3-PHASE LINE EX	C046646	0	0	265,200	0
		S LIMA RD PIW FEEDER TIE	C047788	0	225,250	0	0
		SCHUYLERVILLE 11 - CASEY RD REBUILD	C048066	0	117,300	0	0
		SHAWNEE ROAD 76	C036059	28,500	0	0	0
		SHAWNEE ROAD 76 (DLINE)	CD00967	12,000	0	0	0
		SHORE RD 86 - HUBBS RD FEEDER TIE	C060001	60,300	0	0	0
		TWO MILE CREEK RD - DLINE	C052028	934,400	0	0	0
		UNION ST 53 - GREENE/KING RD CONVER	C056649	0	0	12,000	0
		UNION ST 53 - KENYON HILL ROAD	C050779	0	0	147,200	0
		UNION ST. 53 - COUNTY HWY 67	C050777	0	0	490,400	0
		VAIL MILLS 51 - NOONAN RD CONVERT	C051412	0	0	130,050	0
		VAL KIN 42753 - STUY 03552 TIE	C058900	0	0	0	300,000
		WATERTOWN NEW 115/13.2 KV SUBSTATIO	C046610	0	0	0	0
		WEST HAMLIN 82 - INSTALL TRANSFORM	CD01089	621,300	0	0	0
		WEST HAMLIN 82 - NEW TB2 - INSTALL	CD01090	1,379,900	937,020	937,020	737,020
		WHITESBORO 64, 65 AND 66 RETIREMENT	C050878	0	15,000	0	0
		D/SUB T_ Reliability Total		8,214,340	11,298,671	16,669,221	17,712,821
	D/SUB T_Sec Ntwk Arcflash Mitigation	ARC FLASH MEDIATION - 480V SPOT NET	CD01278	0	300,050	300,050	300,050
		ARC FLASH NY EAST DIV 480V SPOT NW	C047464	0	199,750	199,750	199,750
		NY WEST DIV ARC FLASH 480V SPOT NW	C047461	0	300,050	300,050	300,050
		D/SUB T_Sec Ntwk Arcflash Mitigation Total		0	799,850	799,850	799,850
	D/SUB T_Side Tap Fusing	IE - NC SIDE TAP FUSING	C015511	0	0	0	0
		IE - NE SIDE TAP FUSING	C015510	0	0	0	0
		IE - NW SIDE TAP FUSING	C015509	0	0	0	0
		WEAVER 51 - GUILDERLAND AVE RECON	C057032	0	0	0	18,750
		D/SUB T_Side Tap Fusing Total		0	0	0	18,750
	D/SUB T_Storm Hardening	42951-BLUE RIDGE RD STORM HARDENING	C052248	999,600	0	0	0
		42951-HOFFMAN ROAD STORM HARDENING	C052252	0	377,600	0	0
		BATTENKILL 57-FY17 STORM HARDENING	C057386	304,800	0	0	0
		CHESTERTOWN 51-FY16 STORM HARDENING	C057306	360,000	0	0	0
		CHESTERTOWN 52-FY17 STORM HARDENING	C057366	480,330	0	0	0
		COLUMBIAN ROAD REBUILD	C052072	64,000	436,000	0	0
		F2861 EAST OTTO STORM HARDENING	C052044	0	0	700,000	0
		F2862 STORM HARDENING	C057428	0	9,800	408,100	0
		NORTH SHORE ROAD - REBUILD	C052073	64,000	290,000	0	0
		SCOFIELD 53 - FY16 STORM HARDENING	C057289	0	0	351,090	0
		SHEPPARD RD 2951 - STORM HARDENING	C057429	0	420,000	0	0
		WETHERSFIELD 2361 - STORM HARDENING	C057411	7,000	315,700	0	0
		D/SUB T_Storm Hardening Total		2,279,730	1,849,100	1,459,190	0
	D/SUB T_Substaion Flood Mitigation	INDIAN CREEK RD SUBSTATION	C056566	49,000	490,000	0	0
		UNION FALLS - FLOOD MITIGATION	C053167	0	0	0	0
		UNION FALLS FLOOD MITIGATION DLINE	C068248	113,250	79,500	0	0
		WHITESBORO FLOOD MITIGATION	C053164	2,550	0	0	0
		D/SUB T_Substaion Flood Mitigation Total		164,800	569,500	0	0
	D/SUB T_Substation Mobile	NY NEW MOBILE SUBSTATION 23 KV - 13	C046402	0	1,000,000	1,000,000	0
		NY NEW MOBILE SUBSTATION 34.5 KV -	C046410	0	0	0	1,000,000
		UNY NEW 115 KV 40 MVA MOBILE	C053107	0	0	0	1,080,000
		D/SUB T_Substation Mobile Total		0	1,000,000	1,000,000	2,080,000
	Distribution Line Sensors/Monitors	FEEDER MONITORS / SENSORS- NY CENTR	C076143	0	631,188	631,188	631,188
		FEEDER MONITORS / SENSORS- NY EAST	C076142	0	193,070	193,070	193,070
		FEEDER MONITORS / SENSORS- NY WEST	C076144	0	675,743	675,743	675,743
		Distribution Line Sensors/Monitors Total		0	1,500,000	1,500,000	1,500,000
	Network Transformer DGA Monitors	Network Transformer DGA - NYC	C077021	0	300,000	300,000	300,000
		Network Transformer DGA - NYE	C077022	0	300,000	300,000	300,000
		Network Transformer DGA - NYW	C077020	200,000	300,000	300,000	300,000
		Network Transformer DGA Monitors Total		200,000	900,000	900,000	900,000
		Reliability Total		18,534,830	27,878,886	33,324,731	33,779,089
	D/SUB T_Blanket	CENT NY-DIST-LOAD RELIEF BLANKET	CNC0016	513,000	523,000	523,000	534,000
		EAST NY-DIST-LOAD RELIEF BLANKET	CNE0016	940,920	960,000	960,000	979,000
		WEST NY-DIST-LOAD RELIEF BLANKET	CNW0016	321,960	328,000	328,000	335,000
		D/SUB T_Blanket Total		1,775,880	1,811,000	1,811,000	1,848,000
	D/SUB T_Dist Transformer Repl	IE - NC DIST TRANSFORMER UPGRADES	C014846	0	0	0	0
		IE - NE DIST TRANSFORMER UPGRADES	C015828	0	0	0	0
		IE - NW DIST TRANSFORMER UPGRADES	C010967	0	0	0	0
		D/SUB T_Dist Transformer Repl Total		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
		*FIREHOUSE RD STATION - NEW FEEDER	C050081	0	0	340,000	400,000
		*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
		*WILTON 52 - RT 32 3 PHASE EXT.	C019570	0	0	0	0
		81452 WESTMINSTER PARK RD - REBUILD	C052344	0	0	0	0

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21	
System Capacity	D/SUB T_Load Relief	89552 CROOKS ROAD - REBUILD	C052443	0	0	0	459,850	
		8TH ST CONVERSION NIAGARA FALLS	C046841	0	178,800	0	0	
		97654 SKINNERVILLE ROAD - REBUILD	C052370	0	0	0	236,300	
		BATTENKILL 57-NORTH RD RATIO RELIEF	C057410	0	0	0	0	
		BEECH AVE CONVERSION NIAGARA FALLS	C032751	0	850,000	0	0	
		BROOK ROAD 55 - BARNEY RD. REBUILD	C047978	0	0	340,000	0	
		BRUNSWICK 26453 - SOUTH RD CONV	C045696	0	0	272,160	0	
		BUFFALO STATION 129 - F12974 RECOND	C046558	0	297,500	0	0	
		BURDECK 26552 - BURNETT ST CONVERSI	C046632	0	0	730,150	0	
		BUTLER 53 - ADD BREAKER FOR 53 CKT	C047481	52,250	0	0	0	
		BUTLER 53 - BUILD 36253 FEEDER - OH	C047455	0	0	0	453,900	
		CENTER ST 52 - ROUTE 5 REBUILD/CONV	C048833	0	0	0	0	
		CLINTON 54 - E MAIN ST CONVERSION	C055366	0	74,900	0	0	
		COFFEEN 76053 HOLCOMB ST - REBUILD	C052188	350,200	0	0	0	
		COLLAMER CROSSING D LINE OH WORK	C070390	7,000	0	0	0	
		COLLAMER CROSSING D LINE UG WORK	C070392	2,270,000	0	1,730,000	924,000	
		COLLAMER CROSSING D SUB WORK	C070393	6,500,000	400,000	1,000,000	2,700,000	
		CR- 23553 CEDARVALE RATIO RELIEF	C051803	0	0	407,200	0	
		CR BREWTON RETIRE	C010751	0	3,270	0	0	
		CR- CONVERT 26554 BROOKLEA DR	C052226	0	0	635,200	0	
		CR- CONVERT 29351 NORTH OF STATION	C049397	0	0	0	0	
		CR- PEBBLE HILL BURKE RD RATIO	C051710	0	0	160,000	0	
		DELAET'S LANDING DXD	CD00893	0	15,000	9,720	608,310	
		EAST PULASKI TRANSFORMER UPGRADE	C046634	0	0	0	0	
		EDEN SWITCH STRUCTURE -INSTALL 2-10	C046538	0	0	0	288,800	
		EDEN SWITCH STRUCTURE- NEW FDR 1	C048015	0	0	0	39,690	
		EDEN SWITCH STRUCTURE- NEW FDR 2	C048016	0	0	0	8,100	
		F21555 REPLACE 4/0 PLAC GETAWAYS	C057293	0	0	0	10,500	
		FAIRDALE DLINE	C046633	0	50,000	100,006	0	
		FAIRDALE DSUB	C046640	0	385,000	1,000,000	0	
		FORBES AVE - NEW SUBSTATION	C053137	0	0	0	499,700	
		FRANKHAUSER NEW STATION - LINE WORK	C028929	863,800	499,770	0	0	
		GENSEE ST. FEEDER CONVERSIONS	C051873	0	0	0	500,000	
		GROOMS RD 34557 - SARATOGA RD CONVE	C046761	0	0	500,000	500,000	
		HARRIS 54 RELIEF	C032446	0	0	210,840	599,760	
		JUNIPER DISTRIBUTION REMOVAL WORK	C050245	0	0	0	0	
		LAND-CICERO SUBSTATION	C071028	0	500,000	0	0	
		MALONE NEW 89554 FEEDER (LINE WORK	C046626	0	0	0	10,000	
		MAYFIELD 51 - PARADISE POINT RD	C050069	0	0	288,360	0	
		Menands 10158 Conversion	C076229	108,000	0	0	0	
		MILITARY RD NEW F21052 - N FALLS	C054046	0	0	0	0	
		MILTON AVE 2ND SWITCHGEAR	C046609	214,225	0	0	0	
		MILTON AVE DLINE	C046643	0	532,980	763,460	1,005,550	
		OGDENSBURG 93852 HWY 37 - REBUILD	C052143	119,850	0	0	0	
		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	C071466	0	80,000	0	0	
		RETIREMENT OF JUNIPER SUB 500	C049685	0	0	0	0	
		RR-MENANDS 10157-GETAWAY REPLACEMEN	C053966	0	0	0	499,550	
		S.LIVINGSTON RELIEF: F5 WORK	C051692	0	0	0	0	
		S.LIVINGSTON RELIEF: FD3 WORK	C051690	0	0	0	50,000	
		S.LIVINGSTON RELIEF: FD4 WORK	C051691	0	879,660	852,930	0	
		S.LIVINGSTON RSLIEF: DIST FDER WORK	C051694	0	0	60,000	310,230	
		SODEMAN RD - NEW STATION - DIST GET	C046796	0	1,385,000	1,200,000	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 FDRS	C060141	0	0	1,500,000	4,500,000	
		SOUTH LIVINGSTON RELIEF - DLINE FD2	C046552	0	50,000	890,190	549,990	
		STATION 3012 D-LINE	C074911	0	963,300	9,500	0	
		STATION 3012 SUBSTATION	C074909	0	2,699,510	3,191,300	1,000,070	
		STONER 52 - MOHAWK DR CONVERSION	C050421	0	350,200	350,200	0	
		TEAL SUBSTATION REBUILD-FEEDERS	C046505	0	0	20,000	747,968	
		TEAL SUBSTATION REBUILD-SWGR	C046511	0	0	0	0	
		TIBBETS 29254 - 15TH AVE CONVERSION	C046425	0	223,550	0	0	
		UNION ST 52 - COUNTY HWY 59	C056632	0	0	0	25,420	
		UNION ST 54- TURNPIKE RD CONVERSION	C055735	0	499,800	500,000	0	
		VAN DYKE - UG - CIVIL & ELEC WORK	C052098	0	0	4,369,000	0	
		VAN DYKE STATION - NEW 115/13.2KV S	C046490	0	0	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.	C046495	0	0	0	0	
		VAN DYKE SUBST- NEW 57 DIST FEEDER	C046488	0	0	0	1,853,000	
		VAN DYKE SUBST- NEW FEEDERS	C016087	0	0	1,219,750	0	
		WARRENSBURG 51 - COUNTY HOME BRIDGE	CD01133	98,600	0	0	0	
		WATT ST 23051-HAMBURG ST CONVERSION	C051804	0	169,150	0	0	
		WELCH AVE CONVERSION LOAD RELIEF	C046842	0	77,760	0	0	
		D/SUB T_Load Relief Total				13,679,675	15,172,160	27,195,976
-Volt-Var Optimization / Conservation Voltage Reduction (VVO/CVR)	NY VVO Central - D-Line	C077098	0	0	758,700	1,179,200		
	NY VVO CENTRAL - SUBSTATION	C076103	0	0	404,000	606,000		
	NY VVO East - D-Line	C077097	0	0	504,300	899,500		
	NY VVO EAST - SUBSTATION	C076088	0	0	404,000	606,000		
	NY VVO West - D-Line	C077099	0	0	276,000	1,474,300		
NY VVO WEST - SUBSTATION	C076105	0	0	202,000	404,000			
-Volt-Var Optimization / Conservation Voltage Reduction (VVO/CVR) Total				0	0	2,549,000	5,169,000	
System Capacity Total				15,455,555	16,983,160	31,555,976	38,153,738	
Communications/Control Systems	Advanced Metering	ADVANCED METERING FUNCTIONALITY NYC	C076383	0	0	0	0	
		ADVANCED METERING FUNCTIONALITY NYE	C076382	0	0	0	0	
		ADVANCED METERING FUNCTIONALITY NYW	C076384	0	0	0	0	
		ADVANCED METERING SOFTWARE NYC	C077181	0	0	0	0	
		ADVANCED METERING SOFTWARE NYE	C077179	0	0	0	0	
		ADVANCED METERING SOFTWARE NYW	C077182	0	0	0	0	
	Advanced Metering Total				0	0	0	0
	D/SUB T_Substation RTU	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	
		EMS/RTU INSTALLS - NY WEST	C076125	0	0	900,000	900,000	
		ALDER CREEK-ADD EMS/MOD	C075024	0	530,000	263,000	0	
		BREMEN - EMS EXPANSION/RTU INSTALLA	CD01301	197,233	0	0	0	
		PORT HENRY 385 - EMS EXPANSION	C053048	200,600	0	0	0	
		REP - DIST SUBS WITHOUT RTUS	C019851	0	679,054	678,758	678,758	
		RTU M9000	C069687	875,700	1,263,000	1,629,000	1,299,000	
		STATION 129 BROMPTON RD - EMS EXPAN	C053086	218,250	0	0	0	
		STATION 139 MARTIN RD - EMS EXPAN	C053088	172,660	0	0	0	
		STATION 154 GEORGE URBAN-EMS EXPANS	C053085	154,230	0	0	0	
		WILTON STATION 329 - EMS EXPANSION	C053083	140,650	0	0	0	

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
	D/SUB T_Telcom	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
		EMS/RTU TELECOM - DLINE NY EAST	C076111	0	0	181,500	181,500
		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
		Communications/Control Systems Total		2,749,323	6,972,054	15,440,257	11,057,258
DER Electric System Access	Other	DEMAND REDUCTION REV DEMONSTRATION	C075326	6,853,072	0	0	0
		DISTRIBUTED SYSTEM PLATFORM REV DEM	C075764	2,908,201	613,242	0	0
		FRUITBELT REV DEMO	C074056	1,987,004	0	0	0
		DG NY Eastern Division 3V0	C077815	0	0	0	0
		DG NY Central Division 3V0	C077816	0	0	0	0
		DG NY Western Division 3V0	C077817	0	0	0	0
		Other Total		11,748,277	613,242	0	0
	Waste Digester	BRADY R550 DTT FOR WOODCREST DAIRY	C071409	10,000	0	0	0
		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 Digester Total		297,000	1,000	1,000	1,000
		DER Electric 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
(S)

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21
	Asset Condition I&M	NY Inspection Repairs - Capital	C026923	12,002,000	15,000,000	12,000,000	12,000,000
		Asset Condition I&M Total		12,002,000	15,000,000	12,000,000	12,000,000
		345kV Laminated Cross-arm-Placehold	C060365	2,426,000	3,000,000	3,000,000	3,000,000
		Access Road Packard-Hunt 115 kV	C076862	500,000	1,000,000	0	0
		Alabama-Telegraph 115 T1040 ACR.	C033014	300,000	4,600,000	0	0
		Alcoa Fence Replacement	C072207	55,000	0	0	0
		Alps relay replacement	C049296	118,000	0	0	0
		Amsterdam - Station Retirement	C076006	0	8,000	0	0
		AMT PIW/SERR - NIMO	C031545	250,000	250,000	250,000	250,000
		Ash St. 115-12kV TRF Asset replace	C076282	500,000	1,200,000	650,000	130,000
		Balnat - Repl liquid filled fuse	C076189	0	0	0	24,000
		Batavia - Obsolete Relays	C073587	0	43,000	65,000	0
		Batavia - Replace five OCBs	C075904	0	240,000	1,230,000	545,000
		Batavia-Golah 119 ACR	C060217	0	0	300,000	0
		BatteryRplStrategyCo36TxT	C033847	160,000	684,000	500,000	550,000
		Battle Hill - replace 3 OCBs	C049543	778,000	0	0	0
		Bethlehem Relay Replacem't Strategy	C049583	115,000	0	0	0
		Boonville Rebuild	C049903	0	0	50,000	300,000
		Boonville-Rome 3-4 T4060-T4040 ACR	C047795	75,000	0	0	0
		Border City-Elbridge #15/#5 ACR	C075723	0	300,000	1,000,000	3,000,000
		Br F-Taylorville 3-4 ACR	C024359	2,508,000	0	0	0
		Breaker T Repl Program 4-69kV NYC.	C049258	597,000	597,000	597,000	600,000
		Breaker T Repl Program 4-69kV NYE	C049257	598,000	598,000	598,000	600,000
		Breaker T Repl Program 4-69kV NYW	C049260	650,000	598,000	598,000	600,000
		Brockport Tap Refurbishment	C055531	0	0	0	100,000
		Carr St./E.Syracuse CO-Gen Relays	C049739	394,000	0	0	0
		Colton-BF 1-2 T3140-T3150 ACR	C036164	0	0	0	100,000
		Colton-Replace CBs and Disconnects	C029844	30,000	0	0	0
		Curtis St - Oil Breaker Replacement	C049584	349,000	0	0	0
		Dewitt - Remote End Work	C075822	54,000	0	0	0
		Dunkirk Rebuild	C005155	563,000	3,595,000	12,392,000	12,400,000
		Dunkirk Substation Rebuild CH	C073999	100,000	400,000	2,000,000	0
		Dunkirk-Falc 161-162 T1090-T1100 ACR	C047831	0	0	100,000	200,000
		EASEMENT-RELOCATE S. DOW-POLAND 865	C072888	750,000	0	0	0
		East Norfolk - Repl liq filled fuse	C076188	0	0	0	24,000
		Edic/N Scotland-NG Assoc work-TOTS	C058064	400,000	0	0	0
		Edic: Protection Migration	C076214	0	600,000	1,100,000	500,000
		Elm St #2 TRF Asset Replacement	C069426	500,000	3,000,000	2,000,000	1,000,000
		Existing Control Bldg - Tran-NY	CNYT352	250,000	250,000	250,000	250,000
		Falconer Cap Bank BKR Asset Replace	C065468	470,000	0	0	0
		Feura Bush Relay Replacement	C049585	720,000	0	0	0
		Frontier 180 182 ACR/Recond	C027436	0	0	0	300,000
		Frontier 181 ACR/Recond	C060215	0	0	0	300,000
		Gard-Dun 141-142 N Phase Rebuild	C003389	2,225,000	8,685,000	22,790,000	28,440,000
		Gard-Dun 141-142 South Struct Repl	C077024	650,000	40,000	0	0
		Gardenville Rebuild	C005156	24,894,000	5,706,000	493,000	663,000
		Gardenville-Rebuild Line Relocation	C030084	6,314,000	7,210,000	4,589,000	0
		Gard-HH 151-152 T1950-T1280 S ACR	C027425	100,000	200,000	200,000	1,000,000
		GE Butvl Rubber VT Replacement	C049002	321,000	0	0	0
		Geres Lock Switch Replacements	C073446	4,000	0	0	0
		GOLAH RELAY & BREAKER PROGRAM REPL	C050920	0	55,000	490,000	957,000
		Greenbush Relay Replacement	C049587	330,000	0	0	0
		Greenbush-Stephentown #993 ACR	C060208	100,000	200,000	200,000	1,000,000
		G'ville/HH 152 Vange/J-hook Replace	C069689	500,000	0	0	0
		Homer Hill - Replace five OCBs	C075942	0	0	0	240,000
		Homer Hill - West Olean 156 ACR	C060218	0	0	300,000	0
		Homer Hill-Bennett 157 T1340 ACR	C027429	0	400,000	0	0
		Hoosick - Replace Bank 1 & relays	C053132	0	100,000	3,000,000	3,400,000
		Huntley - Install Control Bldg	C067027	2,450,000	0	0	0
		Huntley-Gardenville 38/39 Rebuild	C075543	0	0	0	0
		Huntley-Lockport 36 37 ACR	C069538	300,000	10,000,000	6,300,000	100,000
		Independence Station relay Replace	C049598	55,000	524,000	0	0
		Inghams Phase Shifting Transformer	C047864	50,000	4,410,000	0	0
		Inghams Station - Assoc Line work	C060240	0	0	0	100,000
		Inghams Station Re-vitalization	C050917	0	50,000	173,000	700,000
		Inghams Station Revitalization CH	C074000	0	0	0	100,000
		Inghams-E. Springfield #7 ACR	C060209	0	0	100,000	200,000
		Kensington #4 & #5 TRF asset replac	C069429	0	0	250,000	2,500,000
		Leeds - Replace U Series Relays	C024663	88,000	0	0	0
		Leeds Station Service	C049900	48,000	0	0	0
		LightHH 115kV CH	C073996	0	0	100,000	2,400,000
		LightHH 115kV Yard Repl & cntrl hs.	C031662	5,000	25,000	300,000	1,800,000
		LightHH Trans Lines Reconnect	C073997	0	0	50,000	500,000
		Lockport 103-104 T1620-T1060 STR	C027432	0	0	0	300,000
		Lockport Sub Rebuild CH	C073991	0	0	0	100,000
		Lockport-Batavia 108 T1500 STR.	C027431	100,000	200,000	100,000	0
		Lockport-Batavia 112 T1510 ACR	C003422	100,000	300,000	2,500,000	12,000,000
		Lockport-Mortimer 111 T1530 ACR	C003417	500,000	0	0	0
		LockportSubstationRebuildCo36TxT	C035464	0	50,000	400,000	2,201,000
		Long Lane Relay Replacement	C049600	660,000	0	0	0
		Maplewood - Replace one OCB	C075867	0	0	210,000	284,000
		Maplewood-Norton-Replace Pilot Wire	C036006	80,000	0	0	0
		Marshville - replace R11 OCB	C049547	9,000	0	0	0
		Menands Cntrl Bldg & Relay Replcm't	C049601	187,000	1,417,000	3,070,000	3,388,000
		Mohican - Replace Bank 1 and Relays	C053133	0	100,000	2,300,000	1,597,000
		Mortimer #3 Auto TRF Replace	C076283	125,000	675,000	2,763,000	0
		Mortimer-Golah #110 ACR	C060220	0	0	0	300,000
		Mortimr-Pannll 24-25 T1590-T1600 ACR	C047816	0	100,000	200,000	1,000,000
		New Scotland - Obsolete Rly Rpl LN3	C076344	338,000	0	0	0
		New Scotland - replace 345kV OCBs	C049553	19,000	0	0	0
		New Scotland 345kV&115kV Relay Repl	C047861	562,000	0	0	0
		New Walden #2 TRF asset replacement	C064192	950,000	0	0	0
		Niagara-Lockport 101/102 ET-Truss	C060216	650,000	0	0	0
		Northeast Region Switch Operation	C053604	4,000	0	0	0
		Norwood - Repl liquid filled fuse	C076187	0	0	0	48,000
		NY Priority OHL Tran Switch Repl	C076621	630,000	630,000	630,000	630,000
		Oneida Substation Rebuild	C034443	0	0	30,000	250,000

Asset Condition
Component Fatigue/Deterioration

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21		
		Oswego - 115kV & 34.5kV - Rebuild	C043426	2,644,000	3,572,000	0	0		
		Oswego: 115kV Control House	C061991	1,287,000	776,000	0	0		
		Oswego: 345kV Asset Sep/Repl	C076218	50,000	700,000	2,150,000	0		
		Oswego: 345kV Asset Sep/Repl CH	C076983	100,000	400,000	2,000,000	0		
		Packard - Replace three OCBs	C075943	0	0	125,000	975,000		
		Pannell-Geneva 4 Thruway Crossing	C069541	100,000	0	0	0		
		Pannell-Geneva 4-4A T1860 ACR	C030889	200,000	1,000,000	4,000,000	18,000,000		
		Porter-Watkins Rd 5 ACR	C060207	0	0	300,000	200,000		
		Purchase Spare Transformers	C053135	4,660,000	8,007,000	5,796,000	0		
		Quaker-Sleight Road #13 ACR	C060219	0	0	300,000	0		
		Queensbury - replace OCBs	C049554	951,000	0	0	0		
		Rebuild Huntley Station Asset Separ	C049902	4,619,000	16,000,000	12,000,000	4,000,000		
		Ridge Substation - 34.5kV System Re	C046693	0	312,000	329,000	0		
		Rotterdam 115kV SubRebuild(AIS)	C034850	46,000	300,000	6,727,000	19,931,000		
		Rotterdam-Bear Swamp E205 T5630 ACR	C047832	0	0	0	300,000		
		S Oswego-Clay #4 T-334 Rebuild	C075544	0	0	0	0		
		Schuyler - replace OCBs	C049562	300,000	667,000	0	0		
		Schuyler Rd Repl 918 928 CirSws	C050799	2,000	0	0	0		
		Scriba - Replace Insulators	C075962	0	135,000	63,000	0		
		Scriba Relay Replacement	C049611	180,000	615,000	8,000	0		
		Seneca #2 & #5 TRF asset Replace	C069427	0	250,000	2,500,000	2,250,000		
		Seneca Reactor 71E asset replace	C065766	0	989,000	1,278,000	0		
		Seneca Term Relay Replacement	C049613	530,000	0	0	0		
		Seneca Terminal TB3 Replacement	C049744	656,000	0	0	0		
		Sleight Rd-Auburn #3 ACR	C075566	0	0	0	0		
		Southeast Batavia - Obsolete Relays	C073588	0	16,000	16,000	0		
		Teall - Replace one OCBs	C075902	0	0	146,000	221,000		
		Teall Ave - 115kV Foundation Repl	C076216	0	0	0	150,000		
		Teall Ave. Transformer Replacement	C047865	837,000	0	0	0		
		Telegraph Road TRF #2 Asset Replace	C069346	50,000	1,500,000	1,000,000	0		
		Terminal Station Relocation	C076242	0	0	50,000	3,000,000		
		Ticonderoga 2-3 T5810-T5830 ACR	C039521	300,000	1,400,000	7,000,000	7,000,000		
		Ticonderoga-Sanford T6410R Removal	C032309	1,140,000	556,000	422,000	0		
		Tuller Hill 115kV Tap Replacement	C065087	0	10,000	51,000	0		
		Turner D Switch Replacements (36)	C052603	0	1,376,000	1,376,000	0		
		Volney station Relay Replacement	C049626	180,000	446,000	8,000	0		
		Walck RD Relay Replacement	C049628	199,000	0	0	0		
		Whitehall - Replace three OCBs	C075885	0	140,000	970,000	151,000		
		Wood Pole Mgmt Prgm (Osmose)	C011640	1,500,000	2,500,000	2,500,000	2,500,000		
		Woodard - Replace three OCBs	C075903	0	110,000	895,000	96,000		
		Woodard Relay Replacement	C047863	271,000	0	0	0		
		Woodlawn Transformer Replacement	C051986	18,000	700,000	2,340,000	1,800,000		
		Yahundasis - Mobile Disconnects	C049564	108,000	0	0	0		
		Component Fatigue/Deterioration Total				78,486,000	104,517,000	132,568,000	151,545,000
		Failure Trend	Central Div Sta - Shielded Cable	C058003	0	196,000	206,000	206,000	
			West Div - Shielded Cables	C058130	50,000	70,000	60,000	75,000	
			Failure Trend Total		50,000	266,000	266,000	281,000	
Asset Condition Total				90,538,000	119,783,000	144,834,000	163,826,000		
Communications / Control Systems	EMS/SCADA	Program-Remote Terminal Unit (RTU)	C003772	400,000	0	0	0		
		RTUs M9000 Protocol Upgrades	C009437	300,000	1,229,000	1,238,000	1,064,000		
		VARIOUS STA - RANGE OF OPERATIONS	C032551	1,000	0	0	0		
	EMS/SCADA Total			701,000	1,229,000	1,238,000	1,064,000		
	Telecom	Upgrade Comm Equip Verizon Retireme	C069570	198,000	500,000	5,000,000	5,000,000		
Telecom Total				198,000	500,000	5,000,000	5,000,000		
Communications / Control Systems Total				899,000	1,729,000	6,238,000	6,064,000		
Customer Requests/Public Requirements	Customer Interconnections	Arkwright Wind - Line	CNYCS07	1,000,000	1,500,000	0	0		
		Arkwright Wind - Line Reimb	CNYCS07R	(1,000,000)	(1,500,000)	0	0		
		Arkwright Wind - Stations Reimb	CNYCS06R	(1,000,000)	(1,617,000)	0	0		
		Arkwright Wind-Stations	CNYCS06	1,000,000	1,617,000	0	0		
		Bethlehem Energy Center Uprate - Stations	CNYCS02	1,000,000	760,000	0	0		
		Bethlehem Energy Center Uprate - Stations Reimb	CNYCS02R	(1,000,000)	(760,000)	0	0		
		Bethlehem Energy Center Uprate-Line	CNYCS01	30,000	70,000	0	0		
		Bethlehem Energy Center Uprate-Line Reimb	CNYCS01R	(30,000)	(70,000)	0	0		
		Byrne Dairy Load Expansion	C052843	2,000	0	0	0		
		Copenhagen Wind Loop In/Loop out	C076290	500,000	515,000	0	0		
		Copenhagen Wind Project - Line Reimb	C076290R	(500,000)	(515,000)	0	0		
		Copenhagen Wind Project - Stations	C076291	1,400,000	703,000	0	0		
		Copenhagen Wind Project - Stations Reimb	C076291R	(1,400,000)	(703,000)	0	0		
		DUN-FALC 161/162 - ATHENEX	C074805	4,200,000	0	0	0		
		DUN-FALC 161/162 - ATHENEX Reimb	C074805R	(4,200,000)	0	0	0		
		Edic-MVEdge Customer Connection	C066166	10,567,000	0	0	0		
		Edic-MVEdge Customer Connection Reimb	C066166R	(10,567,000)	0	0	0		
		Erie Cogen-Stations	CNYCS05	670,000	350,000	0	0		
		Erie Cogen-Stations Reimb	CNYCS05R	(670,000)	(350,000)	0	0		
		Green Power Wind Project	C058099	1,218,000	138,000	0	0		
		Green Power Wind Project Reimb	C058099R	(1,218,000)	(138,000)	0	0		
		Green Pwr Wind Loop in/out	C058101	846,000	106,000	0	0		
		Green Pwr Wind Loop in/out Reimb	C058101R	(846,000)	(106,000)	0	0		
		Monroe County Mill Seat-TRAN	C067866	109,000	9,000	0	0		
		Monroe Cty Mill Seat 3.2MW Exp Reimb	C067866R	(109,000)	(9,000)	0	0		
		RG&E ROCH AREA RELIABLY PROJ(RARP)	C074886	128,000	0	0	0		
		RG&E ROCH AREA RELIABLY PROJ(RARP) Reimb	C074886R	(128,000)	0	0	0		
		Turning Stone 115kV Line Relocation	C069434	5,973,000	0	0	0		
		Turning Stone 115kV Line Relocation Reimb	C069434R	(6,000,000)	0	0	0		
		Customer Interconnections Total				(25,000)	0	0	0
		Request From External TO	Upgrade Mortimer Station	C064567	127,000	0	0	0	
			Upgrade Mortimer Station - Reimb	C064567R	(359,000)	0	0	0	
		Request From External TO Total				(232,000)	0	0	0
		Public Requirements	Rosa Road - GE #14 Line - Raising	C070889	130,000	0	0	0	
			Rosa Road - GE #14 Line - Raising Reimb	C070889R	(130,000)	0	0	0	
		Public Requirements Total				0	0	0	0
		Customer Requests/Public Requirements Total				(257,000)	0	0	0
Damage/Failure	Damage/Failure	#4 Porter-Valley/Valley-Fairfie	C060139	8,000	0	0	0		
		Harper Station #40 TRF D/F	C075622	1,274,000	0	0	0		
		Nile Sta D/F Sw 660 & 676 Replace	C074004	276,000	0	0	0		
		North LeRoy TRF #1 Replacement	C056083	61,000	0	0	0		
		OHL D-F Disconnect Switch Spares	C048159	300,000	0	0	0		
		Storm Budgetary Blanket - NMP	C003481	500,000	500,000	500,000	500,000		
		Trans Station Failure Budget Blanket	C003792	1,700,000	1,700,000	1,700,000	1,700,000		
		Trans Station Failure Reserve	C073870	3,000,000	4,600,000	4,600,000	4,600,000		
Trans.Line D/F Budget Blanket	C003278	550,000	450,000	450,000	450,000				
Damage/Failure Total				7,669,000	7,250,000	7,250,000	7,250,000		
Damage/Failure Total				7,669,000	7,250,000	7,250,000	7,250,000		

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21		
DER - Electric System Access	Customer Interconnections	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	C074523	7,000	0	0	0		
		DG NY 8156 INTERGROW GREENHOUSE RTU Reim	C074523R	(7,000)	0	0	0		
		DG NY10482 MVCC PV DTT	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		
		DG NY-11143 Amsterdam EMS SCADA RTU Reimb	C074508R	(5,000)	0	0	0		
		DG NY11222 SUNY SELKIRK (SE) DTT Reimb	C074784R	(468,000)	0	0	0		
		DG NY11222 SUNY Selkirk(SE) Station	C074784	468,000	0	0	0		
		DG NY11223 SUNY SELKIRK (NE) DTT Reimb	C074786R	(170,000)	0	0	0		
		DG NY11223 SUNY Selkirk(NE) Station	C074786	170,000	0	0	0		
		DG NY11257 SUNY Selkirk (C) Station	C074752	170,000	0	0	0		
		DG NY11257 SUNY SELKIRK CENTER DTT Reimb	C074752R	(170,000)	0	0	0		
		DG NY11258 SUNY SELKIRK (NW) DTT Reimb	C074763R	(170,000)	0	0	0		
		DG NY11258 SUNY Selkirk(NW) Station	C074763	170,000	0	0	0		
		DG NY12449 - 310 at Mohican Station	C076985	226,000	0	0	0		
		DG NY12544 SENECA NATION WIND (RTU)	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	9,000	0	0	0		
			C076864R	(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		
		HVCC 8.1 MW DG RTU Reimb	C068148R	(8,000)	0	0	0		
		Tn of Whitehall - Millet A RTU	C072610	9,000	0	0	0		
		Tn of Whitehall - Millet A RTU Reimb	C072610R	(9,000)	0	0	0		
		Tn of Whitehall - Millet B RTU	C072611	6,000	0	0	0		
		Tn of Whitehall - Millet B RTU Reimb	C072611R	(6,000)	0	0	0		
		Customer Interconnections Total				226,000	0	0	0
		DER - Electric System Access Total				226,000	0	0	0
		Reliability	NERC/NPCC Standards	Conductor Clearance - NY Program	C048678	9,409,000	10,009,000	12,105,000	9,771,000
	C066246			855,000	0	0	0		
	C073348			260,000	0	0	0		
	C073349			0	0	86,000	962,000		
	C073351			670,000	0	0	0		
	C073352			0	62,000	806,000	0		
	C073353			493,000	696,000	0	0		
	C073354			477,000	681,000	0	0		
	C073355			942,000	0	0	0		
	C073356			722,000	0	0	0		
	C073648			0	80,000	906,000	0		
	C036866			350,000	1,000,000	1,259,000	15,550,000		
NERC/NPCC Standards Total				14,178,000	12,528,000	15,162,000	26,283,000		
Performance	Backup UG Pump Plant-Trinity Ln 5&9		C062469	0	250,000	1,847,000	100,000		
	Hudson Station 087- Animal Fence		C059640	55,000	0	0	0		
	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		
Reliability Total				14,588,000	13,078,000	17,309,000	26,683,000		
System Capacity	Generator Retirements		New Elbridge - State St Line	C047298	185,000	0	0	0	
		New Elbridge - State St Line Reimb	C047298R	(185,000)	0	0	0		
		Reconductor #5 Elbridge - State ST	C047297	523,000	0	0	0		
		Reconfigure Elbridge Sub	C047297R	(523,000)	0	0	0		
		Reconfigure Elbridge Sub Reimb	C047299	1,252,000	0	0	0		
		Reconfigure Elbridge Sub Reimb	C047299R	(1,252,000)	0	0	0		
	Generator Retirements Total				0	0	0	0	
	TO Led System Studies	Airco-Bfl Rvr147 Adv Metal Tap	C054711	720,000	182,000	0	0		
		Albany-Greenbush 1&2 Reconductoring	C077034	100,000	4,000,000	0	0		
		Batavia Second 115 kV Cap Bank	C031478	1,600,000	0	0	0		
		Bethlehem sub relay upgrade line #6	C054267	0	0	0	0		
		Central Breaker Upgrades - Ash	C043424	1,346,000	0	0	0		
		Clay-Teall#10,Clay-Dewitt#3 Recond	C043995	28,404,000	8,125,000	0	0		
		Collamer Crossing 115kV Line TAP	C070394	1,100,000	0	0	0		
		Construct Five Mile Station	C024015	891,000	0	0	0		
		E.Golah 2nd 115kV tap	C051829	0	0	0	70,000		
		Eastover - Add 2nd Bank	C060247	1,120,000	0	0	0		
		EDIC - 345-230kV TB2 RECONNECT	C044674	30,000	0	0	0		
		Elbridge WoS Reactors	C069531	250,000	250,000	500,000	4,500,000		
		Elm St Relief Add 4th Xfer	C049594	1,995,000	48,000	0	0		
		Gardenville-Erie 54-921 Reconductor	C060213	566,000	0	0	0		
		GE-Geres Lock 8 T2240 Reconductor	C047835	0	4,426,000	5,164,000	0		
		Golah Cap Bank Installation	C064868	785,000	806,000	0	0		
		Golah Sub rebuild	C051831	0	0	55,000	490,000		
		GrdVII-Bfl Rvr146 2nd Tap Ohio Sta	C054713	2,237,000	182,000	0	0		
		Land - Lasher Rd Substation	C065886	250,000	0	0	0		
		Land Rights/Acquisition - Tran-NY	CNYT350	225,000	225,000	225,000	225,000		
		Land-Clay-Teall#10,Clay-Dewitt #3	C068288	491,000	0	0	0		
		Lasher Rd Transmission Line	C043672	728,000	445,000	226,000	0		
		Lasher Road Substation	C064726	6,000,000	8,000,000	2,500,000	0		
		Lasher Road Substation - LAB	C064727	1,150,000	300,000	90,000	0		
		Malone 2nd Bank Tline	C059673	0	0	40,000	240,000		
Malone Metalclad&Transformer		C069306	0	0	0	165,000			
Maplewood #19/#31Reconductoring	C069466	38,000	754,000	4,524,000	4,524,000				
Menands #10/#15 Reconductoring	C068850	500,000	5,000,000	500,000	0				
Menands-Riverside #3 Sta Work	C060546	8,000	0	0	0				
Mohican Battenkill#15 Rebuild Recon	C034528	8,229,000	695,000	665,000	0				
Mortimer line Re-Arrangement	C060248	50,000	570,000	500,000	0				
Mountain Station Relay Replacement	C049603	504,000	0	0	0				
NEW MAPLE AVE - LINE PORTION	C070395	0	122,000	527,000	0				
New Tonawanda Station - Line Taps	C053156	574,000	65,000	0	0				
New Watertown 115-13.2kV T - Line	C053155	0	0	0	84,000				
North Troy Brkr & Relay Repl	C069438	2,023,000	596,000	0	0				
Ohio Street new 115 - 34.5kV sub	C055263	4,685,000	5,219,000	0	0				
Packard 77/78 Series Reactors	C063627	286,000	0	0	0				
Patroon sub relay upgrade line #6	C054269	0	0	0	0				
Porter #3 / #7 Install Reactors	C060241	1,804,000	100,000	0	0				
Porter Reactors Trans Line Work	C073246	61,000	0	0	0				
Recond Cortland Clarks Corners	C053141	421,000	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 recon	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 In 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
		System 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

Agreed to in Joint

Proposal

Total

-

(8,191,000)

(12,586,500)

(17,742,000)

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
(\$)

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21	
Asset Condition	D/SUB T_Asset Replacement	BETH-VOORHEESVILLE-RETIRE CALLANAN	C027582	0	0	0	0	
		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	
		Dunkirk Steam-Rel/repl 34.5 kV lns	C076185	0	0	0	0	
		LN404 MOUTAIN - SANBORN RECONDUCTOR	CD01276	0	579,500	0	0	
		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
		D/SUB T_Blanket	CNY SUB TRANS-LINE ASSET REPLACE	CNC0075	213,960	218,000	218,000	223,000
	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			564,840	576,000	576,000	588,000	
	D/SUB T_De-Energized T Line Strategy	BALSTN-RANDALL-W. MILTON 34.5KV REM	C048968	0	0	0	0	
		BENNETT BRIDGE-SOLVAY 6-69KV-REMOVE	C048824	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	
		LISBON-HEUVELTON 25 REMOVAL	C025079	3,000	0	0	0	
		NEW GARDENVILLE SUBSTATION-SUBT LIN	CD00636	69,561	33,200	0	0	
		RANKINE-HARPER 16/17 AND ADAMS -HAR	C046514	0	0	0	0	
		REMOVE BUCKLEY ROAD TAP 24-34.5KV	C072566	0	0	0	0	
		REMOVE SCHOOL ST. -WATERVLIET 3/4	C046512	0	0	0	0	
		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	
	D/SUB T_De-Energized T Line Strategy Total			85,041	36,260	0	7,000	
	D/SUB T_Inspection \$ Maintenance	I&M - NC SUB-T LINE WORK FROM INSP	C026166	1,095,900	2,255,639	2,233,152	2,233,152	
		I&M - NE SUB-T LINE WORK FROM INSP	C026165	1,095,900	1,583,529	1,568,027	1,568,027	
		I&M - NW SUB-T LINE WORK FROM INSP	C026167	2,096,141	2,304,670	2,281,414	2,281,414	
		IE - NW SUBT TOWERS	C031855	93,600	0	0	0	
	D/SUB T_Inspection \$ Maintenance Total			4,381,541	6,143,838	6,082,593	6,082,593	
	D/SUB T_Sub T UG Cable Replacement	404 LINE - UG CABLE REPLACEMENT	C069646	0	680,000	0	0	
		701 LINE - KENSINGTON EXPWY UG	C053243	0	0	0	0	
		BUFFALO 23KV REC.-SEN. 1,2,3,19,31S	C048826	0	0	2,400,400	1,200,000	
		BUFFALO 23KV UG CABLE REPLACEMENT	C052483	0	0	0	0	
		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	
	D/SUB T_Substation Indoor	BUFFALO STATION 30 - REBUILD - 23KV	C015755	0	0	0	0	
		BUFFALO STATION 37 REBUILD - 23 KV	C033471	106,680	0	0	0	
		BUFFALO STATION 53 REBUILD - 23 KV	C046928	0	0	30,000	150,450	
	D/SUB T_Substation Indoor Total			106,680	0	30,000	150,450	
	Asset Condition	AMSTERDAM-ROTTERDAM3/4 RELOCATION	C033182	0	0	0	2,887,200	
		BALLSTON-MECHANICVILLE 6-34.5KV	C046472	139,120	1,541,420	1,235,800	0	
		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	0	
		BOONVILLE-RACQUETTE LAKE 46 KV SYST	C072528	749,600	0	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	
		CALLANAN TAP - REBUILD EXIST 34.5LN	C046641	107,070	830,000	830,000	0	
		COTTRELL PAPER TAP 11-34.5KV	C046443	0	600,090	0	0	
		DAKE HILL-W. SALAMANCA 816-34.5KV	C046469	0	0	0	83,000	
		DEERFIELD-SCHUYLER 22-46KV	C050288	0	100,000	1,287,000	0	
		DEERFIELD-WHITESBORO 26-46KV	C046459	0	0	0	160,380	
		ELBRIDGE-JEWITT 31-34.5KV REFURB	C050959	0	0	0	129,000	
		ELBRIDGE-MARCELLUS 30 REFURBISHMENT	C054927	0	24,900	132,720	190,816	
		EPRATAH-CAROGA 2-23KV	C046456	0	0	0	50,000	
		FORT COVINGTON-MALONE 26-34.5KV	C050197	0	0	600,000	530,292	
		GLOVERSVILLE - CANAJ 6 REFURBISH	C016236	0	0	100,000	2,900,000	
		HARTFIELD-S. DOW 859 34.5 KV PRT 3	C074502	0	0	1,649,830	1,500,255	
		HARTFIELD-S. DOW 859-RELOCATE PART	C052209	101,000	550,290	750,000	0	
		HH-CERES 809 FLOOD PLAIN RELOC.	C075854	315,000	245,000	0	0	
		HOMER HILL-NILE 811-34.5KV	C050326	0	0	47,000	841,620	
		HOMER HILL-NILE 811-34.5KV ION	CD01216	0	0	0	172,640	
		KENMORE-WINSPEAR 630/631-REF	C050318	0	0	65,000	350,200	
		LHH-MALLORY 22-34.5KV	C046441	0	0	54,000	700,000	
		LYNDONVILLE-MEDINA 301-34.5KV	C052512	0	0	0	0	
		M&T BANK TAP 701-34.5KV	C046462	11,050	0	0	0	
		MALLORY-CICERO L33-34.5 KV LINE REF	C046681	24,500	599,900	1,599,500	0	
		MAPLEWOOD-MENANDS 17/18 D/C-34.5KV	C046432	0	57,800	525,300	0	

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21		
D/SUB T_Sub-T Overhead Line		MCINTYRE-HAMMOND 24, 23KV ACR	C069307	0	0	0	0		
		MECH-SCHUYLERVILLE 4-34.5KV REFURB	C050323	0	0	0	129,000		
		MENANDS-LIBERTY 9 RELOCATION	C033172	49,000	0	0	0		
		N. ASHFORD-NUCLEAR FUEL SERVICES 81	C046467	192,500	0	0	0		
		NASSAU-HUDSON 9, 34.5KV REFURB	C058581	0	0	88,000	1,660,000		
		NILE-S. WELLSVILLE 812-34.5KV REFUR	C051765	0	0	0	55,000		
		NUCLEAR FUELS 803/817 RELOCATION	C064168	658,296	0	0	0		
		OHIO-RIDGE 613-34.5KV	C046453	120,000	877,000	0	0		
		OLD FORGE-RACQUETTE LAKE 22 46KV	C074003	0	0	100,000	3,500,300		
		PHILLIPS-BARKER 301-34.5KV	C046465	0	0	0	0		
		PHILLIPS-TELEGRAPH 304-34.5KV	C046466	0	0	0	83,000		
		QUEENSBURY-HENRY STREET 14-34.5KV	C046442	0	0	28,900	409,700		
		REFURBISH H LINES 26H, 33H, 34H	C048911	0	0	40,000	390,150		
		REFURBISH H LNS 26H, 34H	C048910	0	849,520	9,000	0		
		REFURBISH H-LNS 27H,25H,33H,36H	C048909	0	542,100	7,000	0		
		REFURBISH H-LNS 27H,28H,33H PT 1	C046470	379,050	0	0	0		
		RE-FURBISH TEALL 25/WOODARD 24-34.5	C046446	0	82,000	600,000	600,090		
		RELOCATE S. DOW-POLAND 865-34.5KV	C050177	1,022,560	1,749,440	0	0		
		ROTTERDAM-SCOTIA-ROSA ROAD 32 34.5	C046455	0	65,000	554,440	9,130		
		SCOTIA-ROSA RD 6, 34.5KV REFURB	C055164	0	0	87,000	578,000		
		SHALETON-RIDGE 610, STATION 207 TAP	C046779	0	80,000	1,230,000	0		
		SHORE ROAD-ROSA ROAD 5 34.5 KV	C074503	0	0	0	75,006		
		SOLVAY 26	C046438	0	0	92,000	551,000		
		SOLVAY/WOODARD-ASH ST 27&27&28- 34.	C046439	0	73,000	457,300	115,000		
		STA 66 REPL./NEW SUBT POLE MTD STA.	CD00544	16,600	124,500	0	0		
		STATE ST SUB-T RETIREMENT	C073600	0	0	2,000	0		
		STATION 126 TAPS 33H/34H-23KV	C046450	0	0	24,800	312,000		
		TAYLORVILLE-EFFLEY 24-23KV	C046437	30,710	652,000	0	0		
		TEALL-HEADSON L31-L29-34.5 KV LINE	C046686	0	424,900	424,900	0		
		TONAWANDA 601-604, 23KV - T22&T23	C067266	0	48,000	350,000	0		
		TONAWANDA LINES 601-604-23KV	C046451	0	0	0	0		
		TONAWANDA LINES 622-624-23KV	C046452	0	0	0	80,000		
		TRENTON-PROSPECT 23-46KV	C046448	0	0	34,030	435,000		
		TRENTON-WHITESBORO 25, 46KV	C058579	0	92,000	1,539,650	1,539,650		
		UNION-AUSABLE FORKS 36-46KV REF	C050320	0	0	0	97,000		
		VARICK-BRISTOL HILL 202-34.5KV	C046460	0	0	70,000	747,892		
		W. MILTON TAP-34.5KV NEW LINE	CD00898	22,800	142,500	2,850,000	2,723,650		
		W. PORTLAND-SHERMAN 867-34.5KV	C046468	0	2,000,000	1,600,000	20,000		
		W. SALAMANCA-HOMER HILL 805-34.5KV	C050293	0	0	55,000	464,950		
		WATERPORT TAP 301-34.5KV	C052515	0	0	0	0		
		WEST PORTLAND-SHERMAN 867 RELOCATIO	C055118	0	0	74,000	2,280,010		
		WOODARD 24/TEALL 25 REFURB N.-190	C060445	0	0	50,000	939,290		
		WOODARD 28-34.5KV	C046440	0	0	49,500	452,430		
		WOODARD 29-34.5KV	C046473	0	0	75,000	790,160		
		WOODARD-TEALL 32-34.5KV REFURBISH	C050322	0	0	0	75,000		
		YAHNUNDASIS-CLINTON 24 -46KV	C046449	0	0	0	50,000		
		YAHNUNDASIS-CLINTON 27, 46KV	C055143	0	0	50,020	419,840		
		D/SUB T_Sub-T Overhead Line Total				3,947,856	12,631,360	19,570,290	30,829,921
		Asset Condition Total				9,882,954	24,350,438	32,549,638	40,560,364
		Customer Requests/Public Requirements	D/SUB T_Blanket	CNY SUB TRANS-LINE NEW BUSINESS	CNC0071	7,920	8,000	8,000	8,000
				CNY SUB TRANS-LINE PUBLIC REQUIRE	CNC0072	37,920	39,000	39,000	40,000
				ENY SUB TRANS-LINE NEW BUSINESS	CNE0071	27,960	29,000	29,000	29,000
				ENY SUB TRANS-LINE PUBLIC REQUIRE	CNE0072	3,960	4,000	4,000	4,000
				NY CENTRAL SUB T LINE THIRD PARTY	CNC0078	102,960	103,000	105,000	107,000
				NY WEST SUB T LINE THIRD PARTY	CNW0078	34,920	36,000	36,000	36,000
				WNY SUB TRANS-LINE NEW BUSINESS	CNW0071	30,960	32,000	32,000	32,000
				WNY SUB TRANS-LINE PUBLIC REQUIRE	CNW0072	51,960	53,000	53,000	53,000
D/SUB T_Blanket Total				298,560	304,000	306,000	309,000		
D/SUB T_New Business	TESSY PLASTIC 34.5KV TAP			C073596	30,000	0	0	0	
	TXD RESERVE FOR NEW BUSINESS COMMER		C046913	1,749,880	1,785,430	1,821,352	1,857,274		
D/SUB T_New Business Total				1,779,880	1,785,430	1,821,352	1,857,274		
D/SUB T_Public Requirements	DOTR NYSRT28 WHITE LK-MCKEEVER SUBT	C034722	0	0	0	93,960			
	D/SUB T_Public Requirements Total				0	0	0	93,960	
Customer Requests/Public Requirements Total				2,078,440	2,089,430	2,127,352	2,260,234		
Damage/Failure	D/SUB T_Blanket	CNY SUB TRANS-LINE DAMAGE FAILURE	CNC0073	957,960	977,000	977,000	997,000		
		ENY SUB TRANS-LINE DAMAGE FAILURE	CNE0073	1,020,000	1,040,000	1,040,000	1,061,000		
		WNY SUB TRANS-LINE DAMAGE FAILURE	CNW0073	2,104,920	2,147,000	2,147,000	2,190,000		
	D/SUB T_Blanket Total				4,082,880	4,164,000	4,164,000	4,248,000	
Damage/Failure Total				4,082,880	4,164,000	4,164,000	4,248,000		
Reliability	D/SUB T_Blanket	CNY SUB TRANS-LINE RELIABILITY	CNC0076	25,920	27,000	27,000	27,000		
		ENY SUB TRANS-LINE RELIABILITY	CNE0076	51,960	53,000	53,000	54,000		
		WNY SUB TRANS-LINE RELIABILITY	CNW0076	93,960	96,000	96,000	98,000		
		D/SUB T_Blanket Total				171,840	176,000	176,000	179,000
	D/SUB T_Reliability	ALDER CREEK-O.F. 23, PHI HENDRIX	C074002	75,000	825,000	0	0		
		FAIRDALE TAP 28, 34.5KV, R280	C062637	150,000	0	0	0		
		LINE 216 RECONDUCTORING	C051583	0	0	0	50,000		
		LN863 FINDLEY LAKE - FRENCH CREEK E	C046510	0	0	0	145,500		
		OHIO ST STATION - SUBT LINES	C055304	453,050	425,000	0	0		
		W.ASHVILLE SUBSTATION TXD LN863 TAP	C048152	76,060	891,230	40,815	0		
	D/SUB T_Reliability Total				754,110	2,141,230	40,815	195,500	
	D/SUB T_Substaion Flood Mitigation	INDIAN CREEK RD STATION SUB-T	C061226	8,500	153,000	0	0		
		UNION FALLS FLOOD MITIGATION SUBT	C068247	537,570	336,160	0	0		
D/SUB T_Substaion Flood Mitigation Total				546,070	489,160	0	0		
DA - NE SUBT AUTOMATION WILTON SUB				C035863	0	127,070	0		
GR- INSTALL DA ON THE 312 LINE				C065706	0	16,600	0		
							415,000		

Spending Rationale	Program	Project Name	Project #	FY18	FY19	FY20	FY21	
	D/SUB T_Sub-T Automation	INSTALL DA ON 201LINE	C069692	0	0	0	20,000	
		INSTALL DA ON BROOK-BALLSTON 11	C069691	20,000	605,000	0	0	
		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
Reliability Total				1,929,858	4,309,660	716,815	809,500	
System Capacity	D/SUB T_Blanket	CNY SUB TRANS-LINE LOAD RELIEF	CNC0077	1,000	1,000	1,000	1,000	
		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
	D/SUB T_Load Relief	BUFFALO 23KV RECONDUCTOR - HUNTLEY2	C028893	0	0	0	0	
		EDEN SWITCH STRUCTURE -SUBT	C052023	0	1,433,100	218,450	66,300	
		GOLAH AVON 217 LINE RECONDUCTORING	C036054	0	0	50,000	675,750	
		INSTALL PARALLEL CABLE OF NEWARK-MA	CD01121	0	52,000	646,400	0	
		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	
	D/SUB T_Load Relief Total				69,120	2,304,000	3,353,850	1,936,800
	System 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	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-Based Chg	Proposed kWh-Based Chg	April kWh Unrealized Revenue
1	Residential	SC-1	17,779,729	1,480,024	\$17.00	\$17.00	-	11,042,711	830,249	\$0.04758	\$0.05044	\$2,374,513
2	Residential TOU	SC-1C	61,060	5,191	\$30.00	\$30.00	-	284,120	22,475	\$0.03140	\$0.03042	(\$22,025)
3	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	-	-	-
5	Large Gen-Sec	SC-3-S	45,119	3,762	\$260.15	\$325.00	243,957	4,418,259	356,656	-	-	-
6	Large Gen-Pri	SC-3-P	8,867	739	\$436.70	\$436.70	-	1,966,773	159,083	-	-	-
7	Large Gen-Tran	SC-3-T	2,128	177	\$565.23	\$639.00	\$13,093.40	673,799	54,637	-	-	-
8	Large Gen TOU-S/P	SC-3A-S/P	977	88	\$1,000.00	\$1,333.33	\$29,339.09	1,212,981	98,840	-	-	-
9	Large Gen TOU-SubT	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	1,126	95	\$3,500.00	\$4,007.00	\$48,200.74	7,091,765	394,245	-	-	-
Line	Description	Includes	12 Month Bills	April 2019 Bills	12 Month Current Customer Charge	April Proposed Customer Charge	April Customer Charge Unrealized Revenue	12 Month kWh Deliveries	April 2019 kWh Deliveries	Current kWh-Based Chg	Proposed kWh-Based Chg	April kWh Unrealized Revenue
11	SC1	SC-L1	-	-	\$1,559,340	\$129,945	\$129,945	21,736	1,724	\$0.08787	\$0.08646	(\$2,430)
12	SC2	SC-L2	-	-	\$35,637,914	\$2,969,826	\$2,969,826	143,377	11,369	\$0.08521	\$0.08646	\$14,212
13	SC3	SC-L3	-	-	\$3,943	\$329	\$329	6,445	511	\$0.05906	\$0.05935	\$148
14	SC4	SC-L4	-	-	\$824,276	\$68,690	\$68,690	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**

12 Month Billing Demand	April 2019 Billing Demand	Current Demand Charge	Proposed Demand Charge	April Demand Charge Unrealized Revenue	12 Month NYPA kW	April NYPA kW	NYPA Credit	April Unrealized Credit Revenue	April Unrealized Distribution Revenue	11 Month Surcharge rate	11 Month Customer Charge
-	-	-	-	-	-	-	-	-	\$2,374,513	\$0.00023	\$17.00
-	-	-	-	-	-	-	-	-	(\$22,025)	(\$0.00008)	\$30.00
-	-	-	-	-	-	-	-	-	(\$63,909)	(\$0.00011)	\$21.02
14,373,270	1,098,835	\$10.27	\$10.61	\$372,019	15,033	1,235	(\$0.53)	(\$658)	\$371,361	\$0.02798	\$52.52
11,400,129	920,087	\$10.03	\$10.21	\$170,063	369,810	30,554	(\$0.70)	(\$21,384)	\$148,679	\$0.01419	\$389.85
4,531,812	366,326	\$8.15	\$8.61	\$170,102	396,583	33,196	(\$0.78)	(\$25,926)	\$144,176	\$0.03461	\$436.70
1,762,316	142,235	\$2.77	\$2.68	(\$12,446)	292,985	24,921	(\$0.67)	(\$16,629)	(\$29,075)	(\$0.01795)	\$712.77
2,489,126	202,460	\$9.18	\$9.58	\$81,588	527,789	44,447	(\$0.85)	(\$37,938)	\$43,650	\$0.01909	\$1,666.66
3,247,109	263,534	\$3.56	\$3.45	(\$29,137)	489,379	40,787	(\$0.89)	(\$36,382)	(\$65,519)	(\$0.02196)	\$2,088.00
13,493,431	1,115,463	\$2.84	\$2.97	\$143,810	6,619,042	561,968	(\$0.84)	(\$473,052)	(\$329,242)	(\$0.02660)	\$4,514.00

12 Month Billing Demand	April 2019 Billing Demand	Current Demand Charge	Proposed Demand Charge	April Demand Charge Unrealized Revenue	12 Month NYPA kW	April NYPA kW	NYPA Credit	April Unrealized Credit Revenue	April Unrealized Distribution Revenue	11 Month Surcharge rate
-	-	-	-	-	-	-	-	-	\$127,515	\$0.00637
-	-	-	-	-	-	-	-	-	\$2,984,038	\$0.02261
-	-	-	-	-	-	-	-	-	\$477	\$0.00008
-	-	-	-	-	-	-	-	-	\$68,725	\$0.00832

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

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Current Rate per Therm	Proposed Rate per Therm	Change	April 2018 Sales - (Therms) or Cust	Lost Revenue	FY 2019 Sales - (Therms) or Cust	May 2018-Mar 2019 Sales - (Therms) or Cust	Surcharge to be added to May 2018-Mar 2019 rates	Revised May 2018-Mar 2019 Rates
SCI Res									
Block 2	\$ 0.38520	\$ 0.42819	\$ 0.04299	23,544,653	\$ 1,012,185	205,703,667	182,159,015	\$ 0.0056	\$ 0.4337
Block 3	\$ 0.06385	\$ 0.07097	\$ 0.00712	32,695,319	\$ 232,791	305,457,432	272,762,113	\$ 0.0009	\$ 0.0718
Block 2	\$ 0.29744	\$ 0.29999	\$ 0.00255	7,615,689	\$ 19,420	66,800,863	59,185,174	\$ 0.0003	\$ 0.3003
Block 3	\$ 0.17302	\$ 0.17450	\$ 0.00148	13,255,113	\$ 19,618	123,080,477	109,825,364	\$ 0.0002	\$ 0.1747
Block 4	\$ 0.05547	\$ 0.05595	\$ 0.00048	2,482,477	\$ 1,192	24,974,361	22,491,885	\$ 0.0001	\$ 0.0560
SC3									
Block 2	\$ 0.09679	\$ 0.09376	\$ (0.00303)	845,461	\$ (2,562)	8,214,182	7,368,721	\$ (0.0003)	\$ 0.0934
SC5									
Block 1 (Cust Chg) per customer	\$ 522.38	\$ 554.83	\$ 32.45	158	\$ 5,127	1,896	1,738	\$ 2.9500	\$ 557.78
Block 2	\$ 0.06450	\$ 0.07211	\$ 0.00761	7,752,848	\$ 58,999	79,974,659	72,221,810	\$ 0.0008	\$ 0.0729
SC7									
Block 2	\$ 0.11896	\$ 0.12647	\$ 0.00751	5,438,304	\$ 40,842	50,680,674	45,242,369	\$ 0.0009	\$ 0.1274
SC8									
Block 1 (Cust Chg) per customer	\$ 924.04	\$ 1,039.54	\$ 115.50	60	\$ 6,930	770	660	\$ 10.50	\$ 1,050.04
Block 2	\$ 0.06569	\$ 0.07285	\$ 0.00716	5,204,094	\$ 37,261	57,818,086	52,613,992	\$ 0.0007	\$ 0.0736
Block 3	\$ 0.06182	\$ 0.06856	\$ 0.00674	9,258,021	\$ 62,399	87,162,377	77,904,356	\$ 0.0008	\$ 0.0694
Block 4	\$ 0.05333	\$ 0.05915	\$ 0.00582	7,158,928	\$ 41,665	90,935,978	83,777,050	\$ 0.0005	\$ 0.0596
SC12*									
Block 2	\$ 0.05074	\$ 0.04490	\$ (0.00584)	3,765	\$ (22)	63,237	59,472	\$ (0.0004)	\$ 0.0445
NYSEG									
Block 1 (Cust Chg) per customer	\$ 810.07	\$ 897.50	\$ 87.43	1	\$ 87	12	11	\$ 7.95	\$ 905.45
Block 2	\$ 0.03228	\$ 0.03565	\$ 0.00337	331,283	\$ 1,116	2,879,234	2,547,950	\$ 0.0004	\$ 0.0361
Demand	\$ 0.50974	\$ 0.56306	\$ 0.05332	300,000	\$ 15,996	3,600,000	3,300,000	\$ 0.0048	\$ 0.5679
Consolidated Billing Charge	\$ 1.24	\$ 0.98	\$ (0.26)	573,867	\$ (149,205)	6,882,156	6,308,289	\$ (0.02)	\$ 0.96

- (a) Appendix 3, Schedule 4.5
- (b) Appendix 3, Schedule 4.5
- (c) Column (b) - Column (a)
- (d) Total April 2018 therms sales or customers
- (e) Column (d) x Column (c)
- (f) Total FY 2019 therms sales or customers
- (g) Column (f) - Column (d)
- (h) Column (e) / Column (g)
- (i) Column (b) + Column (h)
- (j) Current rates
- (k) G-RDP-9CU, Schedule 3
- (l) Column (k) - Column (j)
- (m) Total April 2018 # of bills
- (n) Column (l) x Column (m)
- (o) Total FY 2019 # of bills
- (p) Column (o) - Column (m)
- (q) Column (n) / Column (p)
- (r) Column (k) + Column (q)

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

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 delay in the LAUF percentage will flow through the annual MCG reconciliations.
- (5) The revenue variance associated with the delay in the LAUF percentage will flow through the annual MCG reconciliations.

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

Line	Program	Balance at 3/31/2018	RY1 Additions	RY2 Additions	RY3 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

*\$6M 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).

Line	Program	Balance at 3/31/2018	RY1 Additions	RY2 Additions	RY3 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

Programs	Investment Name	Balance at 3/31/2018		RY1		RY2		RY3	
				Additions		Additions		Additions	
Cyber Security	Cloud Security	\$	1,460,000	\$	-	\$	-	\$	-
	Risk Based Authentication - 2FA token alternative	\$	-	\$	235,080	\$	-	\$	-
	INVP 3614DJ Ent Network Security	\$	9,674,142	\$	-	\$	-	\$	-
	Threat Behavior Modeling	\$	-	\$	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	\$	4,829,586	\$	-	\$	-	\$	-
	INVP 3614E4 US CNI Security I&E	\$	1,340,144	\$	-	\$	-	\$	-
	US CNI Intrusion Detection/Prevention Phase 1	\$	80,409	\$	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	\$	250,305	\$	27,180	\$	-
	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	\$	-	\$	4,090,466	\$	531,086	\$	-
	US CNI Intrusion Detection/Prevention Phase 2	\$	-	\$	269,465	\$	530,535	\$	-
	Identity & Access Management: Shared Area Access Management	\$	-	\$	586,086	\$	1,153,914	\$	-
	Security Incident Event Management Phase 5	\$	-	\$	246,948	\$	286,669	\$	199,534
	Domain Based Security Phase 2	\$	-	\$	1,400,000	\$	2,484,896	\$	1,687,806
	Security Incident Event Management (SIEM) 6	\$	-	\$	246,948	\$	277,723	\$	166,362
	Big Data Security Analytics - Phase 2	\$	-	\$	500,000	\$	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	\$	18,542,907	\$	24,919,065	\$	12,570,378	\$	10,446,875
	FY18 Plan	\$	432,455	\$	-	\$	-	\$	-
	INVP 4045 Double Pole Mgmt DB	\$	259,667	\$	-	\$	-	\$	-
INVP 4373 Contingent Labor Admin Replacement	\$	-	\$	-	\$	-	\$	-	
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 FLA Renewal	\$	3,207,476	\$	-	\$	-	\$	-	
Mobile Device Refresh - FY17	\$	4,138,561	\$	-	\$	-	\$	-	
Zscaler	\$	1,100,000	\$	1,000,000	\$	-	\$	-	
INVP 2577C ArcFM Software Upgrade	\$	-	\$	-	\$	-	\$	-	

Programs	Investment Name	Balance at 3/31/2018		RY1		RY2		RY3	
				Additions		Additions		Additions	
	INVP 463 I Box Enablement	\$	254,000	\$	-	\$	-	\$	-
	INVP 4170 Time Transformation	\$	2,676,143	\$	-	\$	-	\$	-
	INVP 4420 US CNI OMSFocalPoint Infrastructure Upgrade	\$	705,521	\$	-	\$	-	\$	-
	INVP 4274 VSTIG Hardware Refresh	\$	608,000	\$	-	\$	-	\$	-
	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	\$	-	\$	-	\$	-
	Mobility - (MIDM) Mobile Device	\$	1,162,000	\$	-	\$	-	\$	-
	Changes to ACIS for PMCC Civil Vendor Billing	\$	382,000	\$	-	\$	-	\$	-
	INVP 4461 UnixS1 Interface Migration	\$	1,386,701	\$	-	\$	-	\$	-
	INVP 4287 Active Directory Upgrade	\$	804,825	\$	-	\$	-	\$	-
	US Control-Gas System Operating Procedure (SOP) Upgrade	\$	79,240	\$	417,432	\$	45,328	\$	-
	Enterprise Labs	\$	668,000	\$	-	\$	-	\$	-
	Cascade Electric Application Upgrade Project	\$	375,000	\$	-	\$	-	\$	-
	INVP 4408 Doc Mgmt Systems Replacement - Delivery	\$	3,855,044	\$	-	\$	-	\$	-
	WiFi for Fleet Services Diagnostic Laptops	\$	838,000	\$	-	\$	-	\$	-
	Gas Service Database - DNY	\$	325,000	\$	-	\$	-	\$	-
	Gas Service Database - DNY (LI and NYC)	\$	-	\$	-	\$	-	\$	-
	Substation Monitoring-DobleARMS	\$	-	\$	-	\$	-	\$	-
	Gas Capital Investment Planning Tool	\$	83,626	\$	440,537	\$	47,837	\$	-
	Computable Enhancements to Support Inspection Types	\$	65,789	\$	346,576	\$	37,634	\$	-
	Travel & Expense Management (T&E) and Global Master Service Provider (MSP) Strategy	\$	180,117	\$	948,849	\$	103,034	\$	-
	Ageing System Stabilization/Upgrades - FY18	\$	219,298	\$	1,155,255	\$	125,447	\$	-
	INVP 3486 US MDS-Iron Enterprise Edition (IEE)	\$	758,544	\$	-	\$	-	\$	-
	INVP 4390 Plastic Fusion II	\$	506,000	\$	-	\$	-	\$	-
	INVP 4397 Ariba TLS and CI Update	\$	1,602,226	\$	-	\$	-	\$	-
	US Mobile Device Refresh	\$	4,500,000	\$	-	\$	-	\$	-
	US SAP: Infrastructure Landscape	\$	4,142,700	\$	-	\$	-	\$	-
	US CNI Tech Services-Network Equipment Lifecycle Replacements	\$	9,207,521	\$	-	\$	-	\$	-
	US CNI-EMS Lifecycle Hardware and Software Upgrade	\$	3,213,537	\$	-	\$	-	\$	-
	Network Transformation Completion - CEMS	\$	36,550	\$	167,542	\$	20,908	\$	-
	Application monitoring, Network/IDS, Operations monitoring	\$	675,000	\$	-	\$	-	\$	-
	Aged Printer refresh	\$	45,000	\$	-	\$	-	\$	-
	RSA Token refresh	\$	536,718	\$	-	\$	-	\$	-
	Acquisition of Remote Sensing Data - Mass	\$	-	\$	-	\$	-	\$	-
	INVP4449 - EPA File	\$	630,000	\$	-	\$	-	\$	-
	Informatica Upgrade/Microstrategy Replacement Program	\$	2,012,928	\$	1,151,472	\$	-	\$	-
	Call Center Customer Contact Center/SDC Technology Upgrade Implement Solution	\$	13,292,340	\$	10,273,671	\$	-	\$	-
	US MDS-Energy Accounting System (EAS) migration to Wholesale Settlement Application (WSA)	\$	-	\$	654,799	\$	1,289,201	\$	-
	INVP 4398 Storms/ISched Upgrade	\$	7,683,338	\$	1,276,942	\$	-	\$	-
	General Ledger Interface CRIS SAP	\$	-	\$	-	\$	-	\$	-
	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	\$	-	\$	-	\$	-
	Customer Bill Redesign	\$	-	\$	-	\$	-	\$	-
	INVP 3737 US CNI GMS SCADA Upgrade &	\$	16,808,477	\$	1,500,000	\$	5,028,785	\$	-
	Cisco Prime	\$	-	\$	216,000	\$	216,000	\$	120,654
	Contractor Management Modernization	\$	-	\$	300,000	\$	2,866,892	\$	1,717,334
	Sub Total FY18 Plan	\$	131,673,810	\$	20,084,319	\$	10,244,223	\$	1,837,989
	Growth Play Book	\$	-	\$	673,662	\$	1,326,338	\$	-
	Customer Experience Transformation-Communication Preference Management	\$	-	\$	-	\$	-	\$	-
	Customer Experience Transformation-MyAccount Portal	\$	-	\$	2,863,062	\$	5,636,938	\$	-

Programs	Investment Name	Balance at 3/31/2018	RY1 Additions	RY2 Additions	RY3 Additions	
Sub Total Growth Play Book	Governance Risk & Compliance (GRC) Optimization/Upgrade	\$ 922,028	\$ 617,972	\$ -	\$ -	
	US SAP: Business Planning	\$ 1,034,358	\$ 3,608,642	\$ -	\$ -	
	US SAP: FERC on Hana (FOH)	\$ -	\$ -	\$ 872,067	\$ -	
NY REV/Grid Mod	DRMS for C&I Demand Response	\$ 1,956,386	\$ 8,206,270	\$ 7,835,344	\$ -	
	Load and DER Forecasting (Acquisition of Remote Sensing Data - NY)	\$ -	\$ 1,190,159	\$ 2,239,474	\$ -	
	Plant Information Historian	\$ 8,526,273	\$ -	\$ -	\$ -	
	DG IOAP Phase II (Tactical)	\$ -	\$ 2,500,000	\$ 3,100,000	\$ 5,827,818	
	E-Commerce Marketplace	\$ -	\$ 308,482	\$ 607,355	\$ -	
	AMI - Telecoms	\$ -	\$ 532,244	\$ 598,573	\$ 449,335	
	AMI - CSS Enhancements	\$ -	\$ -	\$ 491,473	\$ 805,949	
	Green Button Connect	\$ -	\$ 1,035,000	\$ 1,163,984	\$ 873,775	
	DSP - DG IOAP	\$ -	\$ -	\$ -	\$ -	
	AMI - Telecoms	\$ -	\$ -	\$ -	\$ -	
	Outdoor Lighting Inventory Portal	\$ -	\$ 370,514	\$ 416,688	\$ 312,798	
	DRMS for C&I Demand Response (Renewal)	\$ -	\$ -	\$ 2,000,000	\$ 5,639,675	
	Grid MOD - ABB/ADMS & D-SCADA	\$ -	\$ -	\$ -	\$ 6,000,000	
	AMI - Telecoms	\$ -	\$ -	\$ 743,347	\$ 972,726	
	AMI - Enterprise Service Bus & API Integration	\$ -	\$ -	\$ -	\$ 2,740,467	
	AMI - Info Mgt & Advanced Analytics	\$ -	\$ -	\$ -	\$ 6,099,748	
	AMI - Info Mgt & Advanced Analytics	\$ -	\$ -	\$ -	\$ -	
	IS-Cloud Computing & Data Lake	\$ -	\$ -	\$ -	\$ -	
	IS-Cloud Computing & Data Lake	\$ -	\$ 1,300,000	\$ 1,300,000	\$ 2,759,823	
	Cyber Security	\$ -	\$ -	\$ 2,300,000	\$ 4,498,947	
	Cyber Security	\$ -	\$ -	\$ 3,000,000	\$ 7,107,510	
	Residential Solar Marketplace	\$ -	\$ 54,350	\$ -	\$ -	
	Sub Total REV/Grid Mod	INVP 3882 NYS Pipeline Safety CMS	\$ 8,526,273	\$ 5,990,748	\$ 17,960,894	\$ 44,088,570
		INVP 3851 Consolidated Voice Recorder for US Electric Control Rooms	\$ 1,668,447	\$ -	\$ -	\$ -
		Annual HR & Payroll Mandatory Service Pack Upgrade (HRSP) - FY18	\$ 1,234,000	\$ -	\$ -	\$ -
		Regulatory Mandates - FY18	\$ 1,126,000	\$ -	\$ -	\$ -
		US Control-Gas Electronic Bulletin Board (EBB) Upgrade	\$ 1,561,667	\$ 1,438,333	\$ -	\$ -
Regulatory Mandates - FY19		\$ -	\$ -	\$ -	\$ -	
Regulatory Mandates - FY20		\$ -	\$ -	\$ -	\$ -	
Regulatory Mandates - FY21		\$ -	\$ -	\$ -	\$ -	
Physical Security Replacements - FY17		\$ 5,590,114	\$ 1,438,333	\$ -	\$ -	
Physical Security Replacements - FY17		\$ 2,719,184	\$ -	\$ -	\$ -	
Sub Total Other Mandates	Physical Security Replacements - FY17	\$ -	\$ -	\$ -	\$ -	
	Physical Security Replacements - FY18	\$ 950,000	\$ -	\$ -	\$ -	
	All NIMO Physical Security Replacements - FY18	\$ 490,000	\$ -	\$ -	\$ -	
	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 - FY20	\$ -	\$ -	\$ 835,000	\$ -	
	All NIMO Physical Security Replacements - FY20	\$ -	\$ -	\$ 282,000	\$ -	
	Physical Security Replacements - FY20	\$ -	\$ -	\$ -	\$ -	
	Physical Security Replacements - FY20	\$ -	\$ -	\$ -	\$ -	
	Physical Security Replacements - FY21	\$ -	\$ -	\$ -	\$ 860,000	

Programs	Investment Name	Balance at 3/31/2018		RY1		RY2		RY3	
				Additions	Additions	Additions	Additions	Additions	Additions
	All NIMO Physical Security Replacements - FY21	\$	-	\$	-	\$	-	\$	290,000
	Physical Security Replacements - FY21	\$	-	\$	-	\$	-	\$	-
	Physical Security Replacements - FY21	\$	-	\$	-	\$	-	\$	-
Sub Total Physical Security		\$	4,159,184	\$	1,100,000	\$	1,117,000	\$	1,150,000
PSC Mandate		\$	-	\$	-	\$	-	\$	-
	INVP 4451 Gas Transportation System Phase II	\$	3,584,165	\$	-	\$	-	\$	-
	INVP 4347 NYC Leave on for Landlord Program	\$	5,356,231	\$	-	\$	-	\$	-
	INVP 4124 Auto Remote Net Meter	\$	3,347,611	\$	-	\$	-	\$	-
	INVP 3839A NY Retail Access Ph2	\$	551,447	\$	-	\$	-	\$	-
	INVP 4411 LAB Distributed Generation Portal	\$	-	\$	-	\$	-	\$	-
	INVP 4383 NY Community Choice Aggregation	\$	-	\$	-	\$	-	\$	-
	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	\$	-	\$	-
Sub Total PSC Mandate		\$	5,135,450	\$	-	\$	-	\$	-
Tech. Modernization		\$	275,000	\$	-	\$	-	\$	-
	Active Directory Improvements	\$	54,825	\$	288,814	\$	31,362	\$	-
	Application Performance Management (APM)	\$	600,000	\$	-	\$	-	\$	-
	RAS/VPN Re-Platform/Mobile	\$	2,237,779	\$	787,221	\$	-	\$	-
	US Network Programme	\$	2,700,000	\$	-	\$	-	\$	-
	US VSTIG Programme	\$	1,950,000	\$	-	\$	-	\$	-
	US Wireless Programme	\$	65,789	\$	346,576	\$	37,634	\$	-
	Monitoring and Alerting	\$	40,936	\$	215,648	\$	23,417	\$	-
	RSA Re-platform	\$	250,000	\$	-	\$	-	\$	-
	Cloud Broker - Hybrid Enablement	\$	116,959	\$	616,136	\$	66,905	\$	-
	Office 2010 Upgrade	\$	318,058	\$	181,942	\$	-	\$	-
	Citrix Infrastructure Upgrade (Xenapp and NetScaler)	\$	492,487	\$	2,594,404	\$	281,721	\$	-
	Business Innovation Projects 1	\$	-	\$	548,076	\$	1,026,924	\$	-
	Data Security	\$	-	\$	252,623	\$	497,377	\$	-
	Orchestration and Self Service	\$	349,864	\$	200,136	\$	-	\$	-
	Virtual Desktop - Daas	\$	63,612	\$	36,388	\$	-	\$	-
	SCI connections	\$	-	\$	456,406	\$	513,284	\$	385,310
	US SAP: Dynamic Storage Tiering	\$	2,548,068	\$	767,932	\$	-	\$	-
	ICE Replacement	\$	-	\$	-	\$	2,075,000	\$	-
	US Network Programme	\$	-	\$	-	\$	-	\$	-
	US VSTIG Programme	\$	-	\$	643,973	\$	1,056,027	\$	-
	US Wireless Programme	\$	-	\$	-	\$	568,211	\$	931,789
	Data Visualisation Expansion	\$	-	\$	943,126	\$	929,380	\$	927,494
	US SAP: Business Warehouse (BW) Consolidation to HANA Enterprise Cloud (HEC)	\$	-	\$	796,942	\$	896,258	\$	672,800
	Monitoring and Alerting	\$	-	\$	-	\$	378,807	\$	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	\$	-	\$	100,000	\$	-	\$	-
	FY19 Edge Projects	\$	-	\$	336,831	\$	378,807	\$	284,362
	FY19 Network Projects	\$	-	\$	336,831	\$	378,807	\$	284,362
	Digital Asset Management (DAM)	\$	-	\$	168,415	\$	189,404	\$	142,181
	Business Innovation Projects 1	\$	-	\$	1,338,308	\$	2,634,928	\$	-
	Business Innovation Projects 2	\$	-	\$	1,134,653	\$	2,233,960	\$	-
	Business Innovation Projects 3	\$	-	\$	1,134,653	\$	2,233,960	\$	-
	EUC, network, and data center strategy	\$	-	\$	519,682	\$	1,023,176	\$	-
	Data Security	\$	-	\$	530,509	\$	1,044,491	\$	-
	FY19 Data Centre Projects	\$	-	\$	673,662	\$	1,326,338	\$	-
	1327 Interfaces - 523 FTS, 340 RDX, 245 MQSI, 253 JCAPS, 44 PM4D, 7 VB	\$	-	\$	3,300,000	\$	-	\$	-

Programs	Investment Name	Balance at 3/31/2018		RY1		RY2		RY3	
				Additions		Additions		Additions	
	US Video Conference Programme	\$	-	\$	1,000,000	\$	650,000	\$	-
	US SAP- Enhancement Pack 9 Upgrade	\$	-	\$	1,600,798	\$	3,341,460	\$	3,878,743
	US Network Programme	\$	-	\$	530,509	\$	596,622	\$	447,870
	US VSTIG Programme	\$	-	\$	-	\$	265,165	\$	434,835
	US Wireless Programme	\$	-	\$	-	\$	568,211	\$	931,789
	Monitoring and Alerting	\$	-	\$	-	\$	378,807	\$	621,193
	Service Now - Release 3	\$	-	\$	-	\$	1,235,433	\$	2,164,567
	IS Tools	\$	-	\$	173,770	\$	151,523	\$	74,707
	FY20 Edge Projects	\$	-	\$	665,020	\$	757,615	\$	577,366
	FY20 Network Projects	\$	-	\$	996,989	\$	1,518,240	\$	1,484,771
	EMM Licenses	\$	-	\$	444,617	\$	500,026	\$	375,358
	Business Innovation Projects 2	\$	-	\$	800,000	\$	1,505,091	\$	1,668,145
	Business Innovation Projects 3	\$	-	\$	800,000	\$	1,507,364	\$	1,671,872
	Data Security	\$	-	\$	530,509	\$	596,622	\$	447,870
	Hardware and Software Upgrades	\$	-	\$	-	\$	2,296,454	\$	5,203,546
	Data Centre Consolidation efforts	\$	-	\$	500,000	\$	1,000,000	\$	2,000,000
	FY20 Data Centre Projects	\$	-	\$	-	\$	1,400,000	\$	2,600,000
	Enterprise Data Management Platform	\$	-	\$	-	\$	800,000	\$	2,554,794
	Business Innovation Projects 2	\$	-	\$	-	\$	800,000	\$	2,945,722
	Business Innovation Projects 3	\$	-	\$	-	\$	800,000	\$	2,945,722
	Sub Total Tech Modernization	\$	17,198,828	\$	27,116,538	\$	40,272,161	\$	38,476,566
	Grand Total CAPEX Investment	\$	203,425,639	\$	90,000,000	\$	90,000,000	\$	96,000,000

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

Programs	Investment Name	Balance at 3/31/2018	RY1 Additions	RY2 Additions	RY3 Additions
GBE- Asset Management	Risk Management (1x Mains & Dx Mains)	\$ 1,899,720	\$ -	\$ -	\$ -
	AM Program Leadership-1	\$ 249,412	\$ -	\$ -	\$ -
	Enhancements	\$ 2,059,930	\$ 334,858	\$ -	\$ -
	Additional IM Modules	\$ -	\$ 543,810	\$ 104,161	\$ -
	AM Program Leadership-2	\$ -	\$ 358,808	\$ -	\$ -
	Data Remediation, GIS Upgrade/ Migration & GIS Mobility	\$ 2,426,395	\$ 5,142,170	\$ 2,684,574	\$ -
	EAM-FIN Integration	\$ -	\$ 881,466	\$ 738,793	\$ -
	Integrity Management Integrations	\$ -	\$ 334,682	\$ 662,525	\$ -
	AM Program Leadership-3	\$ -	\$ -	\$ 377,711	\$ -
	Design (GWD), Estimating (CU), & Mobility	\$ -	\$ 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	\$ -	\$ -	\$ -	\$ 3,411,480
Complex Design (CAD) & Estimating (ESW)	\$ -	\$ -	\$ -	\$ 2,269,632	
Sub Total Asset Management		\$ 6,635,456	\$ 10,277,160	\$ 12,159,233	\$ 14,417,840
GBE- Business Enablement	Program Learning Management-1	\$ -	\$ -	\$ -	\$ -
	Program Transformational Change Office-1	\$ -	\$ 620,139	\$ -	\$ -
	Program Business Sustainment-1	\$ -	\$ -	\$ 62,655	\$ -
	Program Learning Management-2	\$ -	\$ -	\$ 117,190	\$ -
	Program Transformational Change Office - 2	\$ -	\$ -	\$ 1,364,679	\$ -
	Program Learning Management-3	\$ -	\$ -	\$ -	\$ 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
	Customer Experience Program Leadership-1	\$ -	\$ 725,706	\$ 1,544,524	\$ 501,132
	CxT Portal & Channel Management	\$ -	\$ -	\$ 234,206	\$ -
	Customer Interaction - First Release	\$ -	\$ -	\$ 6,011,719	\$ 4,805,664
	Employee Support Interaction - First Release	\$ -	\$ -	\$ 1,602,424	\$ 2,789,869
	Customer Experience Program Leadership-2	\$ -	\$ -	\$ 3,484,256	\$ 3,776,530
CRM / Contact Center	\$ -	\$ -	\$ -	\$ 246,306	
Large Commercial & Landlord Interaction	\$ -	\$ -	\$ 13,680,000	\$ 3,515,000	
Employee Support Interaction - Second Release	\$ -	\$ -	\$ 14,150	\$ 18,179	
Customer Interaction - Second Release	\$ -	\$ -	\$ -	\$ 278,152	
Customer Experience Program Leadership-3	\$ -	\$ -	\$ -	\$ 1,909,741	
Sub Total Customer Engagement		\$ -	\$ 25,026,756	\$ 15,151,548	\$ 3,721,487
GBE- Data Management	Data Management Implementation (Quality & Cleansing)	\$ 9,990,000	\$ -	\$ -	\$ -
	Data Management & Governance Program Leadership-1	\$ 53,001	\$ -	\$ -	\$ -
	Enable the Data Archive Process	\$ -	\$ 1,900,724	\$ 62,497	\$ -
	Data Management & Governance Program Leadership-2	\$ -	\$ 79,159	\$ -	\$ -
Sub Total Data Management		\$ 10,043,001	\$ 1,979,883	\$ 145,481	\$ -

Programs	Investment Name	RY1		RY2		RY3	
		Balance at 3/31/2018	Additions	Additions	Additions	Additions	Additions
GBE- Information Services Enabling	Powerplan Remediation	\$ 5,472,100	\$ -	\$ -	\$ -	\$ -	\$ -
	Comprehensive Integration Services (Enhancements)	\$ 70,762	\$ -	\$ -	\$ -	\$ -	\$ -
	Application (Environment) Infrastructure	\$ 1,956,969	\$ -	\$ -	\$ -	\$ -	\$ -
	Development Operations & BPA Enablement-1	\$ 2,613,528	\$ -	\$ -	\$ -	\$ -	\$ -
	SAP and Application Integration Development- Release 1-1	\$ 4,288,668	\$ -	\$ -	\$ -	\$ -	\$ -
	Mobility CoE & End-User Computing-1	\$ 544,311	\$ -	\$ -	\$ -	\$ -	\$ -
	Operations/System Monitoring	\$ 500,000	\$ 451,992	\$ -	\$ -	\$ -	\$ -
	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	\$ -	\$ -	\$ 555,000	\$ -	\$ -	\$ -
	SAP and Application Integration Development- Release 2-2	\$ -	\$ -	\$ 4,067,285	\$ -	\$ -	\$ -
	SAP and Application Integration Development- Release 3-1	\$ -	\$ -	\$ 79,471	\$ -	\$ -	\$ -
	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	\$ 1,481,327	\$ -	\$ -	\$ -	\$ -	\$ -
	Portfolio Management Leadership-1	\$ 1,762,449	\$ -	\$ -	\$ -	\$ -	\$ -
	Solution Architects & Agile Coaches-1	\$ -	\$ 1,930,034	\$ -	\$ -	\$ -	\$ -
Sub Total Portfolio Office		\$ -	\$ 3,568,169	\$ 1,999,129	\$ 2,612,469	\$ -	\$ -
	Solution Architects & Agile Coaches-2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Solution Architects & Agile Coaches-3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Solution Architects & Agile Coaches-4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
GBE- Regulatory and Compliance	Regulatory/ Compliance	\$ 3,243,776	\$ 5,498,203	\$ 4,611,598	\$ 1,763,106	\$ -	\$ -
	Supply Chain Program Leadership	\$ 750,000	\$ 1,275,000	\$ 693,750	\$ -	\$ -	\$ -
Sub Total Regulatory and Compliance		\$ 750,000	\$ 1,275,000	\$ 693,750	\$ -	\$ -	\$ -
	GBE- Supply Chain	\$ -	\$ 508,541	\$ -	\$ -	\$ -	\$ -
Sub Total Supply Chain		\$ -	\$ 508,541	\$ 217,614	\$ -	\$ -	\$ -
	GBE- Work Management	\$ -	\$ 508,541	\$ 217,614	\$ -	\$ -	\$ -
Sub Total Work Management	Business Architecture Design	\$ 2,703,676	\$ -	\$ -	\$ -	\$ -	\$ -
	WMFE Program Leadership-1	\$ 210,612	\$ -	\$ -	\$ -	\$ -	\$ -
	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	\$ -	\$ 507,323	\$ -	\$ -	\$ -	\$ -
	Company Driven Work: Collections and non-Appointment Offis - Gas	\$ 2,366,407	\$ 1,359,354	\$ 1,083,093	\$ -	\$ -	\$ -
	Company Driven Work: Collections and non-Appointment Offis- Electric	\$ 1,274,219	\$ 731,959	\$ 583,203	\$ -	\$ -	\$ -
	Customer, Leak Investigation & Inspections - Gas	\$ 1,191,154	\$ 7,886,615	\$ 9,516,426	\$ -	\$ -	\$ -
	Customer, Leak Investigation & Inspections - Electric	\$ 641,390	\$ 4,246,639	\$ 5,124,229	\$ -	\$ -	\$ -
	WMFE Program Leadership-3	\$ -	\$ -	\$ 550,379	\$ -	\$ -	\$ -
	PowerPlan Integration & Enhancements	\$ -	\$ -	\$ 846,783	\$ -	\$ 979,855	\$ -
	Construction Work & Leak Repair	\$ -	\$ 1,649,290	\$ 6,630,034	\$ 10,182,467	\$ -	\$ -
	WMFE Program Leadership-4	\$ -	\$ -	\$ -	\$ 147,309	\$ -	\$ -
	Work Forecasting & Planning - solution	\$ -	\$ -	\$ -	\$ -	\$ 1,623,080	\$ -
	Core Projects & Program Management	\$ -	\$ -	\$ -	\$ -	\$ 2,977,358	\$ -
	WMFE Optimization	\$ -	\$ -	\$ 320,816	\$ -	\$ 2,835,345	\$ -
Sub Total Work Management		\$ 15,388,749	\$ 33,082,909	\$ 26,321,259	\$ 18,745,414	\$ -	\$ -
	Grand Total CAPEX Investment	\$ 52,723,536	\$ 92,305,092	\$ 68,166,028	\$ 45,232,289	\$ -	\$ -

APPENDIX 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Electric Revenue Forecast
Rate Year Ending March 31, 2019

Line	Service Classification	1	2	3	4	5	6	7	8	9	10	11
		Bills	kWh	kW	Base Delivery Revenue	Legacy Transition Charge	New Hedge Adjustment	NYPA Hydro Reconciliation Credit	Commodity Revenue	Total Commodity Revenues (5+6+7+8)	Gross Revenue Taxes	Revenue (4+9+10)
1	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
2	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
3	SC2ND Small General Service	1,369,286	614,715,129	-	\$63,796,565	\$1,172,048	\$963,555	-	\$17,316,042	19,651,645	\$885,270	84,333,481
4	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
5	SC3 Large General	56,114	6,597,307,786	16,634,878.1	\$166,710,538	\$13,216,878	-	-	\$42,573,090	55,789,968	\$2,824,700	225,325,206
6	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	116,302,261
7	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
8	Preservation Power (PP)	-	9,228,665	18,764.2	\$64,768	-	-	-	-	-	\$0	64,768
9	Replacement & Expansion (R&E)	-	3,226,602,998	5,472,217.2	\$18,510,223	-	-	-	-	-	\$0	18,510,223
10	Fitzpower Patrick	-	106,003,560	155,525.6	\$441,693	-	-	-	-	-	-	441,693
12	St. Lawrence Power	-	5,250,130	10,800.8	\$29,918	-	-	-	-	-	-	29,918
13	Recharge New York (RNY)	-	1,555,445,598	3,053,313.2	\$14,245,983	-	-	-	\$0	-	-	14,245,983
14	Subtotal	-	4,902,530,951	8,710,621	\$3,292,586	-	-	-	-	-	-	33,292,586
15	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)	\$556,605,864	\$623,570,799	\$31,709,978	\$1,992,691,836
16	Street Lighting - Total PSC No. 214	133,564	180,528,874	-	\$53,419,061	\$348,939	-	-	\$2,199,248	2,548,188	\$579,220	\$6,546,469
17	Revenue Decoupling Mechanism	-	-	-	-	-	-	-	-	-	-	-
18	Other Retail Revenues	-	-	-	-	-	-	-	-	-	-	-
19	SBC	-	-	-	\$213,172,751	-	-	-	-	-	-	213,172,751
20	Queensbury Underground Revenue	-	-	-	\$317,273	-	-	-	-	-	-	317,273
21	EZR Discoun	-	-	-	(\$2,000,000)	-	-	-	-	-	-	(2,000,000)
22	EIP Discoun	-	-	-	(\$370,000)	-	-	-	-	-	-	(370,000)
23	SC1/1/2 Discoun	-	-	-	\$176,667	-	-	-	-	-	-	176,667
24	MFC	-	-	-	\$19,301,512	-	-	-	-	-	-	19,301,512
25	SC7 Discoun	-	-	-	(\$97,311)	-	-	-	-	-	-	(97,311)
26	DLM Surcharge	-	-	-	\$2,459,854	-	-	-	-	-	-	2,459,854
27	Transformer Credit	-	-	-	(\$276,921)	-	-	-	-	-	-	(276,921)
28	Special L Revenues	-	-	-	\$1,021,658	-	-	-	-	-	-	1,021,658
29	Consolidated Billing Credits	-	-	-	(\$3,699,073)	-	-	-	-	-	-	(3,699,073)
30	Total Other Revenues	-	-	-	\$230,006,409	-	-	-	-	-	-	230,006,409
31	Retail Revenues	19,995,318	33,328,851,205	51,297,193.4	\$1,620,836,530	\$7,112,290	\$22,453,047	(\$12,251,462)	\$558,805,112	\$626,118,986	\$32,289,198	\$2,279,244,715
32	Miscellaneous Revenues	-	-	-	\$185,695,556	-	-	-	-	-	-	185,695,556
33	Wholesale Transmission	-	-	-	\$12,970,874	-	-	-	-	-	-	12,970,874
34	Late Payment Charges	-	-	-	\$17,047,034	-	-	-	-	-	-	17,047,034
35	Rent from Electric Property	-	-	-	\$2,300,275	-	-	-	-	-	-	2,300,275
36	Plant Leased to Others	-	-	-	\$2,963,247	-	-	-	-	-	-	2,963,247
37	CSS Billing Fees	-	-	-	\$333,002	-	-	-	-	-	-	333,002
38	Open Access Revenues	-	-	-	\$25,816,467	-	-	-	-	-	-	25,816,467
39	Other Misc Electric Revenue	-	-	-	(\$1,457,895)	-	-	-	-	-	-	(1,457,895)
40	Removal of ETIP	-	-	-	\$247,126,454	-	-	-	-	-	-	247,126,454
41	Other Electric Revenue Subtotal	-	-	-	\$247,126,454	-	-	-	-	-	-	247,126,454
42	Total Revenues Rate Year Ended March 31, 2019	19,995,318	33,328,851,205	51,297,193.4	\$1,867,962,984	\$7,112,290	\$22,453,047	(\$12,251,462)	\$558,805,112	\$626,118,986	\$32,289,198	\$2,474,913,274

Lines 3-6: Include Service Classifications 4, 7, and 12

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	Rate Year 2	Rate Year 3
			March 31, 2019	March 31, 2020	March 31, 2021
1	Base Rev Req	Appendix 1, Schedule 1	2,696,036	2,689,282	2,713,414
2	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)
5	Gross Margin	Appendix 1, Schedule 1	2,034,743	2,061,035	2,106,552
6					
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
9	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 Line 16	1,607,173	1,633,781	1,679,957
19					
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
29	Difference (rounding)	Line 23 less Line 28	0	0	0
30					

Niagara Mohawk Power Corporation d/b/a National Grid
Rate Plan
Years Ending March 31, 2019-2022
Revenue Allocation

Sch. 2

Line	Description	Includes	Customers	Deliveries MWH	Rate Year 1					Rate Year Proposed over Present		
					Delivery Revenue at PRESENT Rates	MFC Present Rates	Delivery Margin at PRESENT Rates	Delivery Revenue at PROPOSED Rates	MFC Proposed Rates		Change Tariff Fees	Delivery Margin at PROPOSED Rates
1	Residential	SC-1	1,481,644	11,042,711	827,668	16,534	844,201	988,273	11,501	786	1,000,559	18.5%
2	Residential TOU	SC-1C	5,088	284,120	10,753	266	11,019	12,089	185	3	12,276	11.4%
3	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%
5	Large Gen-Sec	SC-3-S	3,760	4,418,259	126,616	317	126,933	151,075	220	2	151,297	19.2%
6	Large Gen-Pri	SC-3-P	739	1,966,773	41,436	94	41,529	49,609	65	0	49,675	19.6%
7	Large Gen-Tran	SC-3-T	177	673,799	6,411	52	6,463	7,402	36	0	7,438	15.1%
8	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%
9	Large Gen TOU-SubT	SC-3A-U	68	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	-	180,529	53,419	22	53,440	54,135	15	6	54,157	1.3%
12			<u>1,655,146</u>	<u>33,328,851</u>	<u>1,390,830</u>	<u>19,302</u>	<u>1,410,132</u>	<u>1,651,212</u>	<u>13,426</u>	<u>884</u>	<u>1,665,522</u>	<u>18.1%</u>
13	Checks							<i>1,651,212</i>				
14	Increase from Exhibit											
15	Surcredit offset											
16	MFC Increase over Present Rates											
17	Tariff Fees over Present Rates											
18												
19												
20	Target Increase-Delivery Only											
21												

69.6%

Niagara Mohawk Power Corporation d/b/a National Grid
Rate Plan
Years Ending March 31, 2019-2022
Revenue Allocation

Sch. 2

Line	Description	Includes	Rate Year 2 Proposed					Rate Year 3 Proposed				
			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
1	Residential	SC-1	964,296	17,762	982,058	(31,478)	(38,000)	979,903	32,262	1,012,165	(32,935)	(11,000)
2	Residential TOU	SC-1C	11,210	206	11,417	(427)	(530)	10,898	359	11,257	(447)	(200)
3	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	6,906	216,651	(9,328)	(1,600)
5	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)
6	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)
8	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)
9	Large Gen TOU-SubT	SC-3A-U	14,533	268	14,801	(899)	(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		1,679,957	(62,228)	(19,460)
14	Increase from Exhibit			28,936						51,137		
15	Surcredit offset											
16	MFC Increase over Present Rates											
17	Tariff Fees over Present Rates											
18												
19				613						2,411		
20	Target Increase- Delivery Only			29,549						53,548		
21				1.84%						3.29%		

Incr %

Incr %

Niagara Mohawk Power Corporation d/b/a National
Rate Plan
Years Ending March 31, 2019-2022
Revenue Allocation

Sch. 2

Line	Description	Includes	Rate Year 4 Proposed			
			Delivery Revenue Year 4 at Year 3 Rates- From Sch. 3.4C	TARGET Delivery Revenue Year 4	Tax Change	Surcredit
1	Residential	SC-1	1,012,142	1,012,142	(32,935)	(1,699)
2	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)	(600)
6	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)
8	Large Gen TOU-S/P	SC-3A-S/P	29,309	29,309	(1,344)	(8)
9	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)
14	Increase from Exhibit					
15	Surcredit offset					
16	MFC Increase over Present Rates					
17	Tariff Fees over Present Rates					
18						
19						
20	Target Increase-Delivery Only					
21						

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Rate Year 1

Sch. 3.1A

Line	Rates	Current Rates			Current Rates Revenue				
		Customer Charge	Distribution 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	-	10,753,176	1,831,801	8,921,375	-	8,921,375
3	SC2ND	21.02	0.05696	-	63,796,565	28,782,392	35,014,174	-	35,014,174
4	SC2D	52.52	10.27	-	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	-	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

Sch. 3.1A

Rate Year 1 Target Revenue										
Line	Rates	Proposed Delivery Revenue	Less: Customer Charge	Balance	kVA Revenue	Balance	% Proposed Rates Increase	Actual Revenue Distribution	Difference	
1	SC1	965,189,659	302,255,401	662,934,258	-	662,934,258	26.2%	965,149,367	(40,293)	
2	SC1C	11,727,413	1,831,801	9,895,612	-	9,895,612	10.9%	11,727,709	296	
3	SC2ND	69,807,500	28,782,392	41,025,108	-	41,025,108	17.2%	69,808,479	980	
4	SC2D	209,045,831	31,125,903	177,919,928	-	177,919,928	20.5%	209,052,613	6,781	
5	SC3 Sec	148,124,689	14,663,708	133,460,982	538,181	132,922,801	16.3%	148,126,158	1,469	
6	SC3 Pri	48,932,038	3,872,227	45,059,811	629,008	44,430,803	20.3%	48,931,122	(916)	
7	SC3 Sub	7,195,520	1,359,783	5,835,738	326,953	5,508,785	12.8%	7,184,390	(11,130)	
8	SC3A Sec	28,602,410	1,302,466	27,299,945	393,121	26,906,823	17.8%	28,603,040	629	
9	SC3A Sub	14,722,822	1,416,151	13,306,671	731,011	12,575,660	8.8%	14,723,215	392	
10	SC3A Tran	49,373,657	4,512,921	44,860,736	2,080,013	42,780,723	11.6%	49,367,111	(6,546)	
11	Lighting	54,451,189	38,814,384	15,636,805	-	15,636,805	7.1%	54,451,189	-	
12		1,607,172,730	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
Proof of Distribution Revenue at Proposed Rates- Rate Year 1

Sch. 3.1B

Line	Description	Includes	Customer Charge			Demand Charge			kWh-Based Charge			kVA Charges			NYPA kW		Distribution Revenue
			Annual Bills	Monthly Charge	Customer Chg Revenue	Billing Demand	Demand Charge	Demand Chg Revenue	kWh Deliveries X 1000	kWh-Based Chg Revenue	kWh-Based Chg Revenue	kVA	kVA Rate	kVA Revenue	NYPA kW	Credit Revenue	
1	Residential	SC-1	17,779,729	17.00	302,255				11,042,711	\$0.060003	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						69,808
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		-			369,810	(\$0.70)	(259)	148,126
6	Large Gen-Pri	SC-3-P	8,867	436.70	3,872	4,531,812	\$9.87	44,740	1,966,773		-			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		-			292,985	(\$0.67)	(195)	7,184
8	Large Gen TOU-S/P	SC-3A-S/P	977	1,333.33	1,302	2,489,126	\$10.99	27,358	1,212,981		-			527,789	(\$0.85)	(450)	28,603
9	Large Gen TOU-SubT	SC-3A-U	812	1,744.00	1,416	3,247,109	\$4.01	13,013	1,611,724		-			489,379	(\$0.89)	(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		-			6,619,042	(\$0.84)	(5,572)	49,367
11	Lighting	SC-L		Same as Pres	38,814				180,529		15,637						54,451
12			<u>19,861,753</u>		<u>429,937</u>	<u>51,297,193</u>		<u>450,267</u>	<u>33,328,851</u>		<u>729,453</u>		<u>4,698</u>	<u>8,710,621</u>	<u>(7,231)</u>	<u>1,607,173</u>	
13			19,861,753														
14	Bills	Demand															(48)

kWh

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Rate Year 2

Sch. 3.2A

Line	Rates	Rate Year 1 Rates Proposed			Rate Year 1 Rates Revenue					
		Customer Charge	Distribution Volumetric	VRKVA	Total Revenue	Less: Customer Charge	Variable Distribution Revenue	Less: kVA Revenue	NYPA Credit	Balance
1	SC1	17.00	0.06003	0	965,149,367	302,255,401	662,893,966	-	-	662,893,966
2	SC1C	30.00	0.03483	0	11,727,709	1,831,801	9,895,908	-	-	9,895,908
3	SC2ND	21.02	0.06674	0	69,808,479	28,782,392	41,026,088	-	-	41,026,088
4	SC2D	52.52	12.38	#	209,052,613	31,125,903	177,926,710	-	(8,010)	177,934,720
5	SC3 Sec	325.00	11.68	#	148,126,158	14,663,708	133,462,450	538,181	(258,823)	133,183,092
6	SC3 Pri	436.70	9.87	#	48,931,122	3,872,227	45,058,895	629,008	(309,737)	44,739,624
7	SC3 Sub	639.00	3.23	#	7,184,390	1,359,783	5,824,607	326,953	(195,498)	5,693,153
8	SC3A Sec	1,333.33	10.99	#	28,603,040	1,302,466	27,300,574	393,121	(450,489)	27,357,942
9	SC3A Sub	1,744.00	4.01	#	14,723,215	1,416,151	13,307,064	731,011	(436,534)	13,012,587
10	SC3A Tran	4,007.00	3.58	#	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	-	-	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

Sch. 3.2A

Rate Year 2 Target Revenue										
Line	Rates	Proposed Delivery Revenue	Less: Customer Charge	Balance	kVA Revenue	NYPA Credit	Balance	% Proposed Rates Increase	Actual Revenue Distribution	Difference
1	SC1	982,057,792	303,124,177	678,933,614	-	-	678,933,614	2.7%	982,028,328	(29,464)
2	SC1C	11,416,871	1,737,422	9,679,449	-	-	9,679,449	2.2%	11,417,082	210
3	SC2ND	70,791,903	28,894,045	41,897,858	-	-	41,897,858	3.2%	70,789,566	(2,336)
4	SC2D	211,996,558	31,212,495	180,784,063	-	(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	(989)
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	-	-	16,639,779	12.1%	55,454,163	-
12		1,633,780,640	435,104,664	1,198,675,976	4,672,930	(7,164,648)	1,201,167,693		1,633,755,274	(25,366)

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Rate Year 2

Sch. 3.2A

Line	Rates	Proposed Rates										Volumetric		Volumetric	
		Customer Charge	Distribution Volumetric-Base	Adder for NYPA ETIP	Distribution Volumetric	NYPA Credit	RKVA	Tax	Surcredit	NET VOLUME TRIC	Units	Tax	Surcredit		
1	SC1	17.00		0.001	0.06164	(0.533)		(0.00286)	(0.00345)	0.05533	11,014,019	(31,500,095)	(37,998,367)		
2	SC1C	30.00		0.023	0.03559	(0.700)	0.85	(0.00157)	(0.00195)	0.03207	271,977	(427,004)	(530,355)		
3	SC2ND	21.02		0.070	0.06884	(0.781)	0.85	(0.00384)	(0.00493)	0.06007	608,593	(2,336,996)	(3,000,362)		
4	SC2D	52.52	12.647	0.104	12.648	(0.667)	0.85	(0.624)	(0.560)	11.464	14,294,355	(8,919,677)	(8,004,839)		
5	SC3 Sec	390.00	11.642	0.182	11.665	(0.854)	1.02	(0.547)	(0.498)	10.620	11,436,924	(6,255,998)	(5,695,588)		
6	SC3 Pri	436.70	10.002	0.134	10.072	(0.892)	1.02	(0.477)	(0.390)	9.205	4,544,240	(2,167,602)	(1,772,254)		
7	SC3 Sub	712.00	3.113	0.416	3.217	(0.842)	1.02	(0.239)	(0.159)	2.819	1,764,125	(421,626)	(280,496)		
8	SC3A Sec	1,666.67	10.891		11.073			(0.521)	(0.447)	10.105	2,462,992	(1,283,219)	(1,100,957)		
9	SC3A Sub	2,088.00	3.872		4.006			(0.280)	(0.210)	3.516	3,210,883	(899,047)	(674,285)		
10	SC3A Tran	4,513.00	3.192		3.608			(0.253)	(0.037)	3.318	13,369,239	(3,382,418)	(494,662)		
11	Lighting							(0.01115)	0.00152		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
Proof of Distribution Revenue at Proposed Rates- Rate Year 2

Sch. 3.2C

Line	Description	Includes	Customer Charge			Demand Charge			kWh-Based Charge			kVA Charges			NYPA kW			Distribution Revenue
			Annual Bills	Monthly Charge	Customer Chg Revenue	Billing Demand	Demand Charge	Demand Chg Revenue	kWh Deliveries X 1000	kWh-Based Chg Revenue	kWh-Based Chg Revenue	kVA	kVA Rate	kVA Revenue	NYPA kW	Credit	Credit Revenue	
1	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	9,680							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)	(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	-	-	369,034	(\$0.70)	(258)	(258)	151,364		
6	Large Gen-Pri	SC-3-P	8,905	436.70	3,889	4,544,240	\$10.07	45,770	1,971,988	-	-	631	(\$0.78)	(308)	(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	-	-	328	(\$0.67)	(194)	(194)	7,330		
8	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	-	-	389	(\$0.85)	(447)	(447)	28,804		
9	Large Gen TOU-SubT	SC-3A-U	790	2,088.00	1,650	3,210,883	\$4.01	12,863	1,593,759	-	-	722	(\$0.89)	(434)	(434)	14,801		
10	Large Gen TOU-Train	SC-3A-T	1,108	4,513.00	5,001	13,369,239	\$3.61	48,236	7,024,201	-	-	2,063	(\$0.84)	(5,515)	(5,515)	49,785		
11	Lighting	SC-L		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		4,875,269	4,673	8,631,440	(7,165)	(7,165)	1,633,755		
13			19,916,847		435,105	51,082,758		454,023	33,171,700		4,875,269	4,673	8,631,440	(7,165)	(7,165)	1,633,755		
14																		

(25)

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Rate Year 3

Sch. 3.3A

Line	Rates	Rate Year 2 Rates Proposed			Rate Year 2 Rates Revenue					
		Customer Charge	Distribution Volumetric	VRKVA	Total Revenue	Less: Customer Charge	Variable Distribution Revenue	Less: kVA Revenue	NYPA Credit	Balance
1	SC1	17.00	0.06164	0	982,028,328	303,124,177	678,904,151	-	-	678,904,151
2	SC1C	30.00	0.03559	0	11,417,082	1,737,422	9,679,659	-	-	9,679,659
3	SC2ND	21.02	0.06884	0	70,789,566	28,894,045	41,895,522	-	-	41,895,522
4	SC2D	52.52	12.65	#	211,999,487	31,212,495	180,786,992	-	(8,005)	180,794,997
5	SC3 Sec	390.00	11.67	#	151,364,462	17,671,006	133,693,456	540,014	(258,280)	133,411,722
6	SC3 Pri	436.70	10.07	#	49,981,762	3,888,805	46,092,958	631,259	(307,884)	45,769,583
7	SC3 Sub	712.00	3.22	#	7,330,176	1,521,178	5,808,998	327,948	(194,142)	5,675,192
8	SC3A Sec	1,666.67	11.07	#	28,804,421	1,589,938	27,214,484	388,794	(447,022)	27,272,712
9	SC3A Sub	2,088.00	4.01	#	14,800,547	1,650,178	13,150,370	722,027	(434,453)	12,862,796
10	SC3A Tran	4,513.00	3.61	#	49,785,279	5,001,037	44,784,242	2,062,888	(5,514,861)	48,236,216
11	Lighting				55,454,163	38,814,384	16,639,779	-	-	16,639,779
12					1,633,755,274	435,104,664	1,198,650,610	4,672,930	(7,164,648)	1,201,142,327

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Rate Year 3

Sch. 3.3.A

Rate Year 3 Target Revenue										
Line	Rates	Proposed Delivery Revenue	Less: Customer Charge	Balance	kVA Revenue	NYPA Credit	Balance	% Proposed Rates Increase	Actual Revenue Distribution	Difference
1	SC1	1,012,165,492	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	-	(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	606
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	-	-	18,465,539	17.2%	57,279,923	-
12		1,679,956,585	440,293,993	1,239,662,592	4,625,304	(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

Sch. 3.3.A

Line	Rates	Proposed Rates										Volumetric		Volumetric	
		Customer Charge	Distribution Volumetric-Base	Adder for NYPA ETIP	Distribution Volumetric	NYPA Credit	RKVA	Tax	Surcredit	NET VOLUME TRIC	Units	Tax	Surcredit		
1	SC1	17.00		0.001	0.06458	(0.533)		(0.00300)	(0.00100)	0.06058	10,965,348	(32,896,045)	(10,965,348)		
2	SC1C	30.00		0.023	0.03697	(0.700)	0.85	(0.00172)	(0.00077)	0.03448	259,947	(447,108)	(200,159)		
3	SC2ND	21.02		0.073	0.07270	(0.781)	0.85	(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)		
5	SC3 Sec	455.00	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 Sub	786.00	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	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	5,020.00	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							(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
Calculation of Proposed Rates- Rate Year 4

Sch. 3.4A

		Rate Year 3 Proposed Rates				Rate Year 3 Rates Revenue					
Line	Rates	Customer Charge	Distribution 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	-	-	708,142,199
2	SC1C	30.00	0.03697	-	-	11,256,866	1,646,638	9,610,228	-	-	9,610,228
3	SC2ND	21.02	0.07270	-	-	72,497,028	29,014,522	43,482,507	-	-	43,482,507
4	SC2D	52.52	13.137	(0.53286)	-	216,644,030	31,308,397	185,335,633	-	(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	3.264	(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	11.330	(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	4.074	(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	-	-	18,465,539
12						1,679,912,244	440,293,993	1,239,618,252	4,625,304	(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

Sch. 3.4A

Rate Year 4 Target Revenue										
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	-	-	708,142,199	0.0%	1,012,141,508	-
2	SC1C	11,256,866	1,646,638	9,610,228	-	-	9,610,228	0.0%	11,256,866	-
3	SC2ND	72,497,028	29,014,522	43,482,507	-	-	43,482,507	0.0%	72,497,028	-
4	SC2D	216,644,030	31,308,397	185,335,633	-	(7,978)	185,343,611	0.0%	216,644,030	-
5	SC3 Sec	155,959,360	20,708,545	135,250,815	538,226	(257,045)	134,969,633	0.0%	155,959,360	-
6	SC3 Pri	51,482,399	3,906,351	47,576,048	629,342	(305,215)	47,251,921	0.0%	51,482,399	-
7	SC3 Sub	7,551,179	1,686,309	5,864,870	326,802	(192,296)	5,730,364	0.0%	7,551,179	-
8	SC3A Sec	29,308,580	1,863,633	27,444,948	382,884	(442,374)	27,504,438	0.0%	29,308,580	-
9	SC3A Sub	15,032,934	1,870,976	13,161,958	710,102	(431,215)	12,883,071	0.0%	15,032,934	-
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	-
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)	1,242,072,550		1,679,912,244	-

Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Rate Year 4

Sch. 3.4A

Line	Rates	Proposed Rates										Units	Tax	Surcredit	Volumetric
		Customer Charge	Distribution Volumetric-Base	Adder for NYPA ETIP	Distribution Volumetric	NYPA Credit	RKVA	Tax	Surcredit	NET VOLUME TRIC	Volumetric				
1	SC1	17.00		0.001	0.06458	(0.533)		(0.00300)	(0.00015)	0.06143	10,965,348	(32,896,045)	(1,644,802)		
2	SC1C	30.00		0.023	0.03697	(0.700)		(0.00172)	(0.00031)	0.03494	259,947	(447,108)	(80,583)		
3	SC2ND	21.02		0.073	0.07270	(0.667)		(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)	(0.035)	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)	(0.053)	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)	(0.047)	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)	(0.020)	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)	(0.003)	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)	(0.030)	3.390	13,202,017	(3,538,141)	(396,061)		
11	Lighting							(0.01232)	(0.00268)		162,276	(1,999,236)	(434,899)		
12												(62,188,633)	(4,666,193)		

Sch. 3.6
Niagara Mohawk Power Corporation d/b/a National Grid
Years Ending March 31, 2019-2022
Voluntary TOU Rates For SC1

Line		Test Year	FY 19
1	Total SC-1 Revenue Requirement	\$	987,732,829
2	SC-1 Revenue target	\$	965,189,659
3	% revenue requirement from final rev allocation		97.7%
4			
5	Demand-related charges from Revenue Requirement	\$	525,238,298
6	% revenue requirement from final rev allocation		97.7%
7	Demand related charges in revenue allocation	\$	513,250,708
8	% of demand-related charges to ECOS Rev Req		53.2%
9			
10	SC-1 Rev allocation from final rate design	\$	965,189,659
11	Less:		
12	Customer charge, Proposed	\$	302,255,401
13	Merchant Function charge, Proposed		17,723,877
14	Demand related charges, Portion of total		513,250,708
15	Non-Demand related charges, All kWh	\$	131,959,673
16			
17	SC-1 Total kWh		11,965,519,555
18	<i>\$/kWh rate to be collected over all hours</i>	\$	0.01103
19			
20	SC-1 On-Peak kWh % of Total		72.82%
21	<i>\$/kWh adder to be collected during on pk hrs</i>	\$	0.05890
22			
23	Voluntary TOU off-peak \$/kWh delivery rate	\$	0.01103
24	Voluntary TOU on-pk \$/kWh delivery rate	\$	0.06993
25			

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SCI-RESIDENTIAL
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Current

kWh Usage	Delivery				Commodity				Total			
	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%

Current

Customer Charge			\$17.00
T&D Energy Charge	kWh x	\$0.04758	
Revenue Decoupling Mechanism	kWh x	\$0.00000	
Legacy Transition Charge	kWh x	\$0.001162	
Electricity Supply Rate Mechanism	kWh x	\$0.003310	
Commodity Energy Charge	kWh x	\$0.03455	
Transmission Revenue Adjustment Charge	kWh x	(\$0.00369)	
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007511	
Incremental State Assessment	kWh x	\$0.000000	
Merchant Function Charge	kWh x	\$0.00218	
DLM Surcharge	kWh x	\$0.00016	
CES Supply Charge	kWh x	\$0.00330	
CES Delivery Charge	kWh x	\$0.00000	

Gross Receipts Tax			
Commodity	Bill /	0.9900	
Delivery	Bill /	0.9700	

Proposed

Customer Charge			\$17.00
T&D Energy Charge	kWh x	\$0.05044	
Revenue Decoupling Mechanism	kWh x	\$0.00000	
Legacy Transition Charge	kWh x	\$0.001162	
Electricity Supply Rate Mechanism	kWh x	\$0.003310	
Commodity Energy Charge	kWh x	\$0.03455	
Transmission Revenue Adjustment Charge	kWh x	(\$0.00092)	
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701	
Incremental State Assessment	kWh x	\$0.000000	
Merchant Function Charge	kWh x	\$0.00195	
DLM Surcharge	kWh x	\$0.00016	
CES Supply Charge	kWh x	\$0.00330	
CES Delivery Charge	kWh x	\$0.00000	

Gross Receipts Tax			
Commodity	Bill /	0.9900	
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. Current

Wh Usage	Percentage	Delivery				Commodity				Total			
		Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
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	(\$0.53)	-0.86%	\$32.64	\$32.45	(\$0.19)	-0.58%	\$94.39	\$93.67	(\$0.72)	-0.76%
900	7%	\$65.60	\$65.01	(\$0.59)	-0.90%	\$36.72	\$36.51	(\$0.21)	-0.57%	\$102.32	\$101.52	(\$0.80)	-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%
1,700	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%
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%
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	(\$0.73)	-0.58%	\$276.85	\$274.06	(\$2.79)	-1.01%
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

Customer Charge		\$30.00
T&D Energy Charge	kWh x	\$0.03140
Revenue Decoupling Mechanism	kWh x	\$0.00000
Legacy Transition Charge	kWh x	\$0.001162
Commodity On Peak	7% kWh x	\$0.05238
Commodity Shoulder Peak	12% kWh x	\$0.04513
Commodity Off Peak	81% kWh x	\$0.03189
Transmission Revenue Adjustment Charge	kWh x	(\$0.00286)
Systems Benefits Charge (SBC/CES)	kWh x	\$0.007511
Incremental State Assessment Surcharge	kWh x	\$0.000000
Merchant Function Charge	kWh x	\$0.00218
DLM Surcharge	kWh x	\$0.00016
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000

Gross Receipts Tax

Commodity	Bill /	0.9900
Delivery	Bill /	0.9700

Proposed

Customer Charge		\$30.00
T&D Energy Charge	kWh x	\$0.03042
Revenue Decoupling Mechanism	kWh x	\$0.00000
Legacy Transition Charge	kWh x	\$0.001162
Commodity On Peak	7% kWh x	\$0.05238
Commodity Shoulder Peak	12% kWh x	\$0.04513
Commodity Off Peak	81% kWh x	\$0.03189
Transmission Revenue Adjustment Charge	kWh x	(\$0.00071)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kWh x	\$0.000000
Merchant Function Charge	kWh x	\$0.00195
DLM Surcharge	kWh x	\$0.00016
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000

Gross Receipts Tax

Commodity	Bill /	0.9900
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 GF
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 (UNMETERED DEMAND)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Current

kWh Usage	Delivery				Commodity				Total			
	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

Customer Charge		\$21.02
T&D Energy Charge	kWh x	\$0.05696
Revenue Decoupling Mechanism	kWh x	\$0.00000
Legacy Transition Charge	kWh x	\$0.001162
Electricity Supply Rate Mechanism	kWh x	\$0.003310
Commodity Energy Charge	kWh x	\$0.03643
Transmission Revenue Adjustment Charge	kWh x	(\$0.00411)
Systems Benefits Charge (CES/EES)	kWh x	\$0.007511
Merchant Function Charge	kWh x	\$0.00218
Incremental State Assessment Surcharge	kWh x	\$0.00000
DLM Surcharge	kWh x	\$0.00016
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$21.02
T&D Energy Charge	kWh x	\$0.05567
Revenue Decoupling Mechanism	kWh x	\$0.00000
Legacy Transition Charge	kWh x	\$0.001162
Electricity Supply Rate Mechanism	kWh x	\$0.003310
Commodity Energy Charge	kWh x	\$0.03643
Transmission Revenue Adjustment Charge	kWh x	(\$0.00103)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00195
Incremental State Assessment Surcharge	kWh x	\$0.00000
DLM Surcharge	kWh x	\$0.00016
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	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

kWh Usage	kW	Delivery				Commodity				Total			
		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	\$1,215.80	\$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	\$1,306.04	\$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%

Current

Customer Charge		\$52.52
T&D Demand Charge	kW x	\$10.27
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03511
Transmission Revenue Adjustment Charge	kWh x	(\$0.00312)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007511
Merchant Function Charge	kWh x	\$0.00051
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM Surcharge	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$52.52
T&D Demand Charge	kW x	\$10.61
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03511
Transmission Revenue Adjustment Charge	kWh x	(\$0.00078)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00060
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM Surcharge	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	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. Current

kWh Usage	kW	Delivery				Commodity				Total			
		Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	\$1,458.22	\$1,544.94	\$86.72	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	\$1,502.72	\$1,590.20	\$87.47	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	\$1,547.22	\$1,635.46	\$88.23	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	\$2,742.67	\$2,852.11	\$109.44	3.99%	\$2,811.45	\$2,818.15	\$6.70	0.24%	\$5,554.12	\$5,670.26	\$116.14	2.09%
86,400	200.0	\$2,831.67	\$2,942.63	\$110.96	3.92%	\$3,373.75	\$3,381.78	\$8.03	0.24%	\$6,205.42	\$6,324.41	\$118.99	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	\$6,240.00	\$6,411.57	\$171.57	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	\$6,462.50	\$6,637.86	\$175.35	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	\$9,228.62	\$9,453.21	\$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	\$9,562.37	\$9,792.65	\$230.28	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	\$9,896.12	\$10,132.08	\$235.96	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	\$18,861.96	\$19,257.01	\$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	\$19,529.46	\$19,935.87	\$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	\$20,864.46	\$21,293.60	\$429.14	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	\$24,171.68	\$24,661.43	\$489.75	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	\$25,061.68	\$25,566.58	\$504.90	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	\$25,951.68	\$26,471.73	\$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	\$27,713.68	\$28,282.04	\$568.35	1.98%	\$44,983.27	\$45,090.35	\$107.08	0.24%	\$72,714.95	\$73,372.39	\$657.43	0.90%

Current

Customer Charge		\$260.15
T&D Demand Charge	kW x	\$10.03
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03485
Transmission Revenue Adjustment Charge	kWh x	(\$0.00255)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007511
Merchant Function Charge	kWh x	\$0.00051
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000

Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$325.00
T&D Demand Charge	kW x	\$10.21
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03485
Transmission Revenue Adjustment Charge	kWh x	(\$0.00064)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00060
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000

Gross Receipts Tax		
Commodity	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. Current

kWh Usage	kW	Delivery				Commodity				Total			
		Current	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%
108,000	250.0	\$3,212.93	\$3,313.73	\$100.80	3.14%	\$4,098.27	\$4,108.31	\$10.04	0.24%	\$7,311.20	\$7,422.04	\$110.84	1.52%
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	\$16,369.08	\$16,989.23	\$620.15	3.79%	\$20,491.36	\$20,541.56	\$50.20	0.24%	\$36,860.44	\$37,530.79	\$670.35	1.82%
648,000	1,500.0	\$17,072.03	\$17,676.82	\$604.79	3.54%	\$24,589.64	\$24,649.87	\$60.23	0.24%	\$41,661.67	\$42,326.69	\$665.02	1.60%
864,000	1,500.0	\$18,477.94	\$19,052.00	\$574.06	3.11%	\$32,786.18	\$32,866.49	\$80.31	0.24%	\$51,264.12	\$51,918.49	\$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

Customer Charge		\$436.70
T&D Demand Charge	kW x	\$8.15
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03376
Transmission Revenue Adjustment Charge	kWh x	(\$0.00223)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007511
Merchant Function Charge	kWh x	\$0.00051
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000

Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$436.70
T&D Demand Charge	kW x	\$8.61
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03376
Transmission Revenue Adjustment Charge	kWh x	(\$0.00056)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00060
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000

Gross Receipts Tax		
Commodity	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
SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Current

kWh Usage	kW	Delivery				Commodity				Total			
		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%	\$37,770.46	\$37,594.92	(\$175.53)	-0.46%
864,000	2,000.0	\$11,933.54	\$11,664.06	(\$269.48)	-2.26%	\$32,140.36	\$32,220.67	\$80.31	0.25%	\$44,073.90	\$43,884.73	(\$189.17)	-0.43%
1,152,000	2,000.0	\$13,827.00	\$13,503.45	(\$323.55)	-2.34%	\$42,853.82	\$42,960.90	\$107.08	0.25%	\$56,680.82	\$56,464.35	(\$216.47)	-0.38%

Current

Customer Charge		\$565.23
T&D Demand Charge	kW x	\$2.77
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03302
Transmission Revenue Adjustment Charge	kWh x	(\$0.00216)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007511
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00051
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$639.00
T&D Demand Charge	kW x	\$2.68
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03302
Transmission Revenue Adjustment Charge	kWh x	(\$0.00054)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00060
Gross Receipts Tax		
Commodity	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 (TRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Curren

kWh Usage	kW	Delivery				Commodity				Total			
		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%	\$14,711.90	\$14,688.10	(\$23.79)	-0.16%
320,000	800.0	\$4,947.67	\$4,889.39	(\$58.28)	-1.18%	\$11,962.02	\$11,991.77	\$29.75	0.25%	\$16,909.69	\$16,881.16	(\$28.53)	-0.17%
432,000	800.0	\$5,684.02	\$5,604.71	(\$79.30)	-1.40%	\$16,148.73	\$16,188.88	\$40.15	0.25%	\$21,832.75	\$21,793.59	(\$39.15)	-0.18%
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

Customer Charge		\$565.23
T&D Demand Charge	kW x	\$2.77
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03320
Transmission Revenue Adjustment Charge	kWh x	(\$0.00216)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007511
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.003298
CES Delivery Charge	kWh x	\$0.000000
Merchant Function Charge	kWh x	\$0.00051
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$639.00
T&D Demand Charge	kW x	\$2.68
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03320
Transmission Revenue Adjustment Charge	kWh x	(\$0.00054)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.003298
CES Delivery Charge	kWh x	\$0.000000
Merchant Function Charge	kWh x	\$0.00060
Gross Receipts Tax		
Commodity	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
SC3A-LARGE GENERAL SERVICE (SECONDARY)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY19 - Rate Year 1 vs. Current

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			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	0.25%	\$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	\$140.55	0.26%	\$96,874.64	\$98,767.30	\$1,892.66	1.95%
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	\$151,367.22	\$157,161.73	\$5,794.52	3.83%	\$145,593.82	\$145,955.22	\$361.40	0.25%	\$296,961.04	\$303,116.95	\$6,155.92	2.07%
3,888,000	40%	13,500.0	\$151,367.22	\$157,161.73	\$5,794.52	3.83%	\$138,073.09	\$138,434.49	\$361.40	0.26%	\$289,440.31	\$295,596.22	\$6,155.92	2.13%
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	\$175,960.13	\$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%

Current

Customer Charge		\$1,000.00
T&D Demand Charge	kW x	\$9.18
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge On Peak	kWh x	\$0.04284
Commodity Energy Charge Off Peak	kWh x	\$0.02369
Transmission Revenue Adjustment Charge	kWh x	(\$0.00241)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007511
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00051

Gross Receipts Tax

Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$1,333.33
T&D Demand Charge	kW x	\$9.58
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge On Peak	kWh x	\$0.04284
Commodity Energy Charge Off Peak	kWh x	\$0.02369
Transmission Revenue Adjustment Charge	kWh x	(\$0.00060)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	0.00060

Gross Receipts Tax

Commodity	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. Current

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			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	\$100,454.24	\$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

Customer Charge		\$1,000.00
T&D Demand Charge	kW x	\$9.18
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge On Peak	kWh x	\$0.04172
Commodity Energy Charge Off Peak	kWh x	\$0.02319
Transmission Revenue Adjustment Charge	kWh x	(\$0.00241)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007511
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Incremental State Assessment Surcharges	kW x	\$0.00
Merchant Function Charge	kWh x	\$0.00051
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$1,333.33
T&D Demand Charge	kW x	\$9.58
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge On Peak	kWh x	\$0.04172
Commodity Energy Charge Off Peak	kWh x	\$0.02319
Transmission Revenue Adjustment Charge	kWh x	(\$0.00060)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Incremental State Assessment Surcharges	kW x	\$0.00
Merchant Function Charge	kWh x	\$0.00060
Gross Receipts Tax		
Commodity	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. Current

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			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	0.26%	\$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	0.27%	\$96,302.14	\$96,157.65	(\$144.49)	-0.15%
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	0.26%	\$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%	\$280,309.09	\$281,031.89	\$722.80	0.26%	\$381,548.90	\$379,998.78	(\$1,550.12)	-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	0.27%	\$367,410.72	\$365,860.60	(\$1,550.12)	-0.42%

Current

Customer Charge		\$1,400.00
T&D Demand Charge	kW x	\$3.56
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge On Peak	kWh x	\$0.04088
Commodity Energy Charge Off Peak	kWh x	\$0.02288
Transmission Revenue Adjustment Charge	kWh x	(\$0.00222)
Systems Benefits Charge (CES/EES)	kWh x	\$0.007511
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00051

Gross Receipts Tax

Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$1,744.00
T&D Demand Charge	kW x	\$3.45
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge On Peak	kWh x	\$0.04088
Commodity Energy Charge Off Peak	kWh x	\$0.02288
Transmission Revenue Adjustment Charge	kWh x	(\$0.00055)
Systems Benefits Charge (CES/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	0.00060

Gross Receipts Tax

Commodity	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. Current

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			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	0.27%	\$72,725.93	\$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	\$3,727.73	5.32%
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	0.27%	\$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%
3,888,000	60%	11,500.0	\$52,604.45	\$61,349.45	\$8,745.00	16.62%	\$142,832.95	\$143,194.35	\$361.40	0.25%	\$195,437.40	\$204,543.80	\$9,106.40	4.66%
3,888,000	50%	11,500.0	\$52,604.45	\$61,349.45	\$8,745.00	16.62%	\$136,129.09	\$136,490.49	\$361.40	0.27%	\$188,733.54	\$197,839.94	\$9,106.40	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	\$15,740.72	21.27%	\$272,258.18	\$272,980.98	\$722.80	0.27%	\$346,269.38	\$362,732.90	\$16,463.52	4.75%
7,776,000	40%	13,500.0	\$74,011.20	\$89,751.92	\$15,740.72	21.27%	\$258,850.47	\$259,573.27	\$722.80	0.28%	\$332,861.67	\$349,325.19	\$16,463.52	4.95%

Current

Customer Charge		\$3,500.00
T&D Demand Charge	kW x	\$2.84
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge On Peak	kWh x	\$0.03939
Commodity Energy Charge Off Peak	kWh x	\$0.02232
Transmission Revenue Adjustment Charge	kWh x	(\$0.00471)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007511
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00051

Gross Receipts Tax

Commodity	Bill /	0.99
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$4,007.00
T&D Demand Charge	kW x	\$2.97
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge On Peak	kWh x	\$0.03939
Commodity Energy Charge Off Peak	kWh x	\$0.02232
Transmission Revenue Adjustment Charge	kWh x	(\$0.00118)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	0.00060

Gross Receipts Tax

Commodity	Bill /	0.99
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
SCI-RESIDENTIAL
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

kWh Usage	Delivery				Commodity				Total			
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	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%

Current

Customer Charge		\$17.00
T&D Energy Charge	kWh x	\$0.05044
Revenue Decoupling Mechanism	kWh x	\$0.00000
Legacy Transition Charge	kWh x	\$0.001189
Electricity Supply Rate Mechanism	kWh x	\$0.001460
Commodity Energy Charge	kWh x	\$0.03517
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment	kWh x	\$0.000000
Merchant Function Charge	kWh x	\$0.00197
DLM Surcharge	kWh x	\$0.00016
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000

Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9700

Proposed

Customer Charge		\$17.00
T&D Energy Charge	kWh x	\$0.05533
Revenue Decoupling Mechanism	kWh x	\$0.00000
Legacy Transition Charge	kWh x	\$0.001189
Electricity Supply Rate Mechanism	kWh x	\$0.001460
Commodity Energy Charge	kWh x	\$0.03517
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment	kWh x	\$0.000000
Merchant Function Charge	kWh x	\$0.00197
DLM Surcharge	kWh x	\$0.00016
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000

Gross Receipts Tax		
Commodity	Bill /	0.9900
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-Peak		Delivery				Commodity				Total			
Wh Usage	Percentage	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%	\$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%	\$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%	\$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%	\$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%	\$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	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%
2,100	7%	\$112.04	\$115.61	\$3.57	3.19%	\$87.33	\$87.33	\$0.00	0.00%	\$199.37	\$202.94	\$3.57	1.79%
2,200	7%	\$115.90	\$119.64	\$3.74	3.23%	\$91.49	\$91.49	\$0.00	0.00%	\$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%	\$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%	\$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%	\$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%	\$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%	\$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%	\$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%	\$287.60	\$293.05	\$5.45	1.89%
3,300	7%	\$158.39	\$164.00	\$5.61	3.54%	\$137.24	\$137.24	\$0.00	0.00%	\$295.63	\$301.24	\$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	\$309.43	\$5.78	1.90%
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%	\$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%	\$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%	\$391.87	\$399.53	\$7.66	1.95%

Current

Customer Charge		\$30.00
T&D Energy Charge	kWh x	\$0.03042
Revenue Decoupling Mechanism	kWh x	\$0.00000
Legacy Transition Charge	kWh x	\$0.001189
Commodity On Peak	7% kWh x	\$0.05350
Commodity Shoulder Peak	12% kWh x	\$0.04610
Commodity Off Peak	81% kWh x	\$0.03247
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (SBC/CES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kWh x	\$0.000000
Merchant Function Charge	kWh x	\$0.00197
DLM Surcharge	kWh x	\$0.00016
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000

Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9700

Proposed

Customer Charge		\$30.00
T&D Energy Charge	kWh x	\$0.03207
Revenue Decoupling Mechanism	kWh x	\$0.00000
Legacy Transition Charge	kWh x	\$0.001189
Commodity On Peak	kWh x	\$0.05350
Commodity Shoulder Peak	kWh x	\$0.04610
Commodity Off Peak	kWh x	\$0.03247
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kWh x	\$0.000000
Merchant Function Charge	kWh x	\$0.00197
DLM Surcharge	kWh x	\$0.00016
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000

Gross Receipts Tax		
Commodity	Bill /	0.9900
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, 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 (UNMETERED DEMAND)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

kWh Usage	Delivery				Commodity				Total			
	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

Customer Charge		\$21.02
T&D Energy Charge	kWh x	\$0.05567
Revenue Decoupling Mechanism	kWh x	\$0.00000
Legacy Transition Charge	kWh x	\$0.001189
Electricity Supply Rate Mechanism	kWh x	\$0.001460
Commodity Energy Charge	kWh x	\$0.03719
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CES/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00197
Incremental State Assessment Surcharge	kWh x	\$0.00000
DLM Surcharge	kWh x	\$0.00016
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000

Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$21.02
T&D Energy Charge	kWh x	\$0.06007
Revenue Decoupling Mechanism	kWh x	\$0.00000
Legacy Transition Charge	kWh x	\$0.001189
Electricity Supply Rate Mechanism	kWh x	\$0.001460
Commodity Energy Charge	kWh x	\$0.03719
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00197
Incremental State Assessment Surcharge	kWh x	\$0.00000
DLM Surcharge	kWh x	\$0.00016
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000

Gross Receipts Tax		
Commodity	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

kWh Usage	kW	Delivery				Commodity				Total			
		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%
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

Customer Charge		\$52.52
T&D Demand Charge	kW x	\$10.61
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03565
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00064
Incremental State Assessment Surcharge	kW x	\$0.00
DLM Surcharge	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$52.52
T&D Demand Charge	kW x	\$11.46
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03565
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00064
Incremental State Assessment Surcharge	kW x	\$0.00
DLM Surcharge	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	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

kWh Usage	kW	Delivery				Commodity				Total			
		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

Customer Charge		\$325.00
T&D Demand Charge	kW x	\$10.21
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03522
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00064
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000

Gross Receipts Tax

Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$390.00
T&D Demand Charge	kW x	\$10.62
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03522
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00064
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000

Gross Receipts Tax

Commodity	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

kWh Usage		Delivery				Commodity				Total			
		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%

Current

Customer Charge		\$436.70
T&D Demand Charge	kW x	\$8.61
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03405
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00064
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000

Gross Receipts Tax

Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$436.70
T&D Demand Charge	kW x	\$9.21
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03405
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00064
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000

Gross Receipts Tax

Commodity	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 Charge 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

kWh Usage	kW	Delivery				Commodity				Total			
		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%	\$10,092.94	\$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	\$11,851.86	\$144.44	1.23%
288,000	500.0	\$4,024.88	\$4,169.33	\$144.44	3.59%	\$10,911.48	\$10,911.48	\$0.00	0.00%	\$14,936.36	\$15,080.81	\$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	\$10,229.51	\$0.00	0.00%	\$14,954.19	\$15,141.05	\$186.87	1.25%
320,000	800.0	\$5,072.65	\$5,259.52	\$186.87	3.68%	\$12,123.87	\$12,123.87	\$0.00	0.00%	\$17,196.52	\$17,383.39	\$186.87	1.09%
432,000	800.0	\$5,852.11	\$6,038.98	\$186.87	3.19%	\$16,367.22	\$16,367.22	\$0.00	0.00%	\$22,219.33	\$22,406.20	\$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	\$20,459.03	\$0.00	0.00%	\$28,987.91	\$29,273.76	\$285.86	0.99%
648,000	1,500.0	\$9,280.50	\$9,566.36	\$285.86	3.08%	\$24,550.83	\$24,550.83	\$0.00	0.00%	\$33,831.33	\$34,117.19	\$285.86	0.84%
864,000	1,500.0	\$10,783.74	\$11,069.60	\$285.86	2.65%	\$32,734.44	\$32,734.44	\$0.00	0.00%	\$43,518.18	\$43,804.04	\$285.86	0.66%
576,000	2,000.0	\$10,154.52	\$10,511.09	\$356.57	3.51%	\$21,822.96	\$21,822.96	\$0.00	0.00%	\$31,977.48	\$32,334.05	\$356.57	1.12%
720,000	2,000.0	\$11,156.68	\$11,513.25	\$356.57	3.20%	\$27,278.70	\$27,278.70	\$0.00	0.00%	\$38,435.38	\$38,791.95	\$356.57	0.93%
864,000	2,000.0	\$12,158.85	\$12,515.41	\$356.57	2.93%	\$32,734.44	\$32,734.44	\$0.00	0.00%	\$44,893.29	\$45,249.85	\$356.57	0.79%
1,152,000	2,000.0	\$14,163.17	\$14,519.73	\$356.57	2.52%	\$43,645.93	\$43,645.93	\$0.00	0.00%	\$57,809.10	\$58,165.66	\$356.57	0.62%

Current

Customer Charge		\$639.00
T&D Demand Charge	kW x	\$2.68
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03324
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00064

Gross Receipts Tax

Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$712.00
T&D Demand Charge	kW x	\$2.82
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03324
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00064

Gross Receipts Tax

Commodity	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

kWh Usage		Delivery				Commodity				Total			
	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	\$2,193.72	\$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	\$2,444.26	\$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	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	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	\$10,154.52	\$10,511.09	\$356.57	3.51%	\$22,055.69	\$22,055.69	\$0.00	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%

Current

Customer Charge		\$639.00
T&D Demand Charge	kW x	\$2.68
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03364
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.003628
CES Delivery Charge	kWh x	\$0.000000
Merchant Function Charge	kWh x	\$0.00064

Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$712.00
T&D Demand Charge	kW x	\$2.82
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03364
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.003628
CES Delivery Charge	kWh x	\$0.000000
Merchant Function Charge	kWh x	0.00064

Gross Receipts Tax		
Commodity	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
SC3A-LARGE GENERAL SERVICE (SECONDARY)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY20 - Rate Year 2 vs. Rate Year 1

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			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			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	kWh x	\$0.00	Revenue Decoupling Mechanism	kWh 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

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			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	kWh x \$0.00	Revenue Decoupling Mechanism	kWh 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	kWh x \$0.04	DLM	kWh 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	kWh x \$0.00	Incremental State Assessment Surcharge	kWh 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

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			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%
2,016,000	50%	3,500.0	\$28,139.84	\$28,720.65	\$580.81	2.06%	\$74,008.01	\$74,008.01	\$0.00	0.00%	\$102,147.85	\$102,728.66	\$580.81	0.57%
2,016,000	40%	3,500.0	\$28,139.84	\$28,720.65	\$580.81	2.06%	\$70,246.84	\$70,246.84	\$0.00	0.00%	\$98,386.68	\$98,967.49	\$580.81	0.59%
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%
5,832,000	60%	13,500.0	\$89,977.00	\$91,224.48	\$1,247.47	1.39%	\$224,975.10	\$224,975.10	\$0.00	0.00%	\$314,952.10	\$316,199.58	\$1,247.47	0.40%
5,832,000	50%	13,500.0	\$89,977.00	\$91,224.48	\$1,247.47	1.39%	\$214,094.59	\$214,094.59	\$0.00	0.00%	\$304,071.59	\$305,319.07	\$1,247.47	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	0.43%
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	kWh x \$0.00	Revenue Decoupling Mechanism	kWh 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	kWh x \$0.00	Incremental State Assessment Surcharge	kWh x \$0.00
DLM	kWh x \$0.04	DLM	kWh 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

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			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%
1,008,000	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%
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%
6,300,000	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	50%	12,000.0	\$84,409.72	\$89,139.02	\$4,729.29	5.60%	\$224,338.66	\$224,338.66	\$0.00	0.00%	\$308,748.38	\$313,477.68	\$4,729.29	1.53%
6,300,000	40%	12,000.0	\$84,409.72	\$89,139.02	\$4,729.29	5.60%	\$213,246.84	\$213,246.84	\$0.00	0.00%	\$297,656.56	\$302,385.86	\$4,729.29	1.59%
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	kWh x \$0.00	Revenue Decoupling Mechanism	kWh 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
SCI-RESIDENTIAL
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

kWh Usage	Delivery				Commodity				Total			
	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%	\$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%	\$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%	\$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%	\$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%	\$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%	\$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%	\$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%	\$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%	\$402.44	\$421.92	\$19.48	4.84%
3,800	\$261.97	\$282.54	\$20.57	7.85%	\$161.85	\$161.85	\$0.00	0.00%	\$423.82	\$444.39	\$20.57	4.85%
4,000	\$274.84	\$296.49	\$21.65	7.88%	\$170.37	\$170.37	\$0.00	0.00%	\$445.21	\$466.86	\$21.65	4.86%

Current

Customer Charge			\$17.00
T&D Energy Charge	kWh x	\$0.05533	
Revenue Decoupling Mechanism	kWh x	\$0.00000	
Legacy Transition Charge	kWh x	\$0.001212	
Electricity Supply Rate Mechanism	kWh x	\$0.000460	
Commodity Energy Charge	kWh x	\$0.03565	
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701	
Incremental State Assessment	kWh x	\$0.000000	
Merchant Function Charge	kWh x	\$0.00198	
DLM Surcharge	kWh x	\$0.00016	
CES Supply Charge	kWh x	\$0.00408	
CES Delivery Charge	kWh x	\$0.00000	

Gross Receipts Tax			
Commodity	Bill /	0.9900	
Delivery	Bill /	0.9700	

Proposed

Customer Charge			\$17.00
T&D Energy Charge	kWh x	\$0.06058	
Revenue Decoupling Mechanism	kWh x	\$0.00000	
Legacy Transition Charge	kWh x	\$0.001212	
Electricity Supply Rate Mechanism	kWh x	\$0.000460	
Commodity Energy Charge	kWh x	\$0.03565	
Transmission Revenue Adjustment Charge	kWh x	\$0.00000	
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701	
Incremental State Assessment	kWh x	\$0.000000	
Merchant Function Charge	kWh x	\$0.00198	
DLM Surcharge	kWh x	\$0.00016	
CES Supply Charge	kWh x	\$0.00408	
CES Delivery Charge	kWh x	\$0.00000	

Gross Receipts Tax			
Commodity	Bill /	0.9900	
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-Peak		Delivery				Commodity				Total			
Wh Usage	Percentage	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%
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%	\$176.18	\$185.13	\$8.95	5.08%	\$153.58	\$153.58	\$0.00	0.00%	\$329.76	\$338.71	\$8.95	2.71%
3,700	7%	\$180.22	\$189.41	\$9.19	5.10%	\$157.85	\$157.85	\$0.00	0.00%	\$338.07	\$347.26	\$9.19	2.72%
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%	\$200.39	\$210.83	\$10.44	5.21%	\$179.18	\$179.18	\$0.00	0.00%	\$379.57	\$390.01	\$10.44	2.75%
4,500	7%	\$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

Customer Charge		\$30.00
T&D Energy Charge	kWh x	\$0.03207
Revenue Decoupling Mechanism	kWh x	\$0.00000
Legacy Transition Charge	kWh x	\$0.001212
Commodity On Peak	7% kWh x	\$0.05500
Commodity Shoulder Peak	12% kWh x	\$0.04740
Commodity Off Peak	81% kWh x	\$0.03289
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (SBC/CES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kWh x	\$0.000000
Merchant Function Charge	kWh x	\$0.00198
DLM Surcharge	kWh x	\$0.00016
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000

Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9700

Proposed

Customer Charge		\$30.00
T&D Energy Charge	kWh x	\$0.03448
Revenue Decoupling Mechanism	kWh x	\$0.00000
Legacy Transition Charge	kWh x	\$0.001212
Commodity On Peak	kWh x	\$0.05500
Commodity Shoulder Peak	kWh x	\$0.04740
Commodity Off Peak	kWh x	\$0.03289
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kWh x	\$0.000000
Merchant Function Charge	kWh x	\$0.00198
DLM Surcharge	kWh x	\$0.00016
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000

Gross Receipts Tax		
Commodity	Bill /	0.9900
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, 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 (UNMETERED DEMAND)
Central Region (Load Zones 2C, 3E and 31D)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

kWh Usage	Delivery				Commodity				Total			
	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

Customer Charge		\$21.02
T&D Energy Charge	kWh x	\$0.06007
Revenue Decoupling Mechanism	kWh x	\$0.00000
Legacy Transition Charge	kWh x	\$0.001212
Electricity Supply Rate Mechanism	kWh x	\$0.000460
Commodity Energy Charge	kWh x	\$0.03774
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CES/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00198
Incremental State Assessment Surcharge	kWh x	\$0.00000
DLM Surcharge	kWh x	\$0.00016
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$21.02
T&D Energy Charge	kWh x	\$0.06627
Revenue Decoupling Mechanism	kWh x	\$0.00000
Legacy Transition Charge	kWh x	\$0.001212
Electricity Supply Rate Mechanism	kWh x	\$0.000460
Commodity Energy Charge	kWh x	\$0.03774
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00198
Incremental State Assessment Surcharge	kWh x	\$0.00000
DLM Surcharge	kWh x	\$0.00016
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	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

kWh Usage	kW	Delivery				Commodity				Total			
		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

Customer Charge		\$52.52
T&D Demand Charge	kW x	\$11.46
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03612
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00065
Incremental State Assessment Surcharge	kW x	\$0.00
DLM Surcharge	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000

Gross Receipts Tax

Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$52.52
T&D Demand Charge	kW x	\$12.36
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03612
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00065
Incremental State Assessment Surcharge	kW x	\$0.00
DLM Surcharge	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000

Gross Receipts Tax

Commodity	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	kW	Delivery				Commodity				Total			
		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%
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%
720,000	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%
864,000	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

Customer Charge		\$390.00
T&D Demand Charge	kW x	\$10.62
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03564
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00065
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000

Gross Receipts Tax

Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$455.00
T&D Demand Charge	kW x	\$11.09
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03564
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Merchant Function Charge	kWh x	\$0.00065
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000

Gross Receipts Tax

Commodity	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

kWh Usage		Delivery				Commodity				Total			
		Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	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	\$1,777.95	\$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	\$2,712.57	\$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	\$2,930.29	\$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	\$3,426.89	\$146.46	4.46%	\$2,848.06	\$2,848.06	\$0.00	0.00%	\$6,128.49	\$6,274.95	\$146.46	2.39%
90,000	250.0	\$3,406.12	\$3,552.59	\$146.46	4.30%	\$3,560.08	\$3,560.08	\$0.00	0.00%	\$6,966.20	\$7,112.67	\$146.46	2.10%
108,000	250.0	\$3,531.82	\$3,678.28	\$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	\$6,119.75	\$6,412.68	\$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	\$6,664.06	\$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	\$6,685.37	\$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	\$8,959.07	\$9,398.46	\$439.39	4.90%	\$8,544.19	\$8,544.19	\$0.00	0.00%	\$17,503.26	\$17,942.65	\$439.39	2.51%
270,000	750.0	\$9,336.15	\$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	\$18,355.81	\$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	\$19,109.97	\$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	\$18,985.35	\$19,864.13	\$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	\$20,493.67	\$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	\$23,155.65	\$24,327.37	\$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	\$24,161.21	\$25,332.92	\$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	\$25,166.76	\$26,338.47	\$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	\$27,177.86	\$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%

<u>Current</u>				<u>Proposed</u>			
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 GR1
Commodity includes the Commodity Energy charge, Merchant Function Charge, CES Supply Charge 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, FY21 - Rate Year 3 vs. Rate Year 2

kWh Usage	kW	Delivery				Commodity				Total			
		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%	\$10,391.19	\$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	\$15,472.35	\$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	\$10,453.87	\$0.00	0.00%	\$15,371.77	\$15,559.65	\$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	\$17,844.70	\$187.88	1.06%
432,000	800.0	\$6,049.14	\$6,237.02	\$187.88	3.11%	\$16,726.19	\$16,726.19	\$0.00	0.00%	\$22,775.33	\$22,963.21	\$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	\$20,907.74	\$0.00	0.00%	\$29,735.18	\$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	\$25,089.28	\$0.00	0.00%	\$34,670.89	\$34,957.76	\$286.87	0.83%
864,000	1,500.0	\$11,089.93	\$11,376.80	\$286.87	2.59%	\$33,452.38	\$33,452.38	\$0.00	0.00%	\$44,542.31	\$44,829.18	\$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	\$11,887.77	\$357.58	3.10%	\$27,876.98	\$27,876.98	\$0.00	0.00%	\$39,407.18	\$39,764.75	\$357.58	0.91%
864,000	2,000.0	\$12,535.75	\$12,893.32	\$357.58	2.85%	\$33,452.38	\$33,452.38	\$0.00	0.00%	\$45,988.13	\$46,345.70	\$357.58	0.78%
1,152,000	2,000.0	\$14,546.85	\$14,904.42	\$357.58	2.46%	\$44,603.17	\$44,603.17	\$0.00	0.00%	\$59,150.02	\$59,507.59	\$357.58	0.60%

Current

Customer Charge		\$712.00
T&D Demand Charge	kW x	\$2.82
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03360
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00065

Gross Receipts Tax

Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$786.00
T&D Demand Charge	kW x	\$2.96
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03360
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00065

Gross Receipts Tax

Commodity	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

kWh Usage		Delivery				Commodity				Total			
		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	\$2,204.99	\$103.03	4.90%	\$4,515.01	\$4,515.01	\$0.00	0.00%	\$6,616.97	\$6,720.00	\$103.03	1.56%
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%
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	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	\$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

Customer Charge		\$712.00
T&D Demand Charge	kW x	\$2.82
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03407
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.004080
CES Delivery Charge	kWh x	\$0.000000
Merchant Function Charge	kWh x	\$0.00065

Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$786.00
T&D Demand Charge	kW x	\$2.96
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03407
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.004080
CES Delivery Charge	kWh x	\$0.000000
Merchant Function Charge	kWh x	0.00065

Gross Receipts Tax		
Commodity	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
SC3A-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	On-Peak Pct	kW	Delivery				Commodity				Total			
			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%	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%
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%	\$151,556.79	\$151,556.79	\$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%	\$143,592.28	\$143,592.28	\$0.00	0.00%	\$310,871.68	\$318,708.38	\$7,836.70	2.52%
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	kWh x	\$0.00	Revenue Decoupling Mechanism	kWh 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

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			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%	\$28,868.98	\$28,868.98	\$0.00	0.00%	\$61,218.39	\$62,943.98	\$1,725.59	2.82%
720,000	50%	2,500.0	\$32,349.41	\$34,075.00	\$1,725.59	5.33%	\$27,444.25	\$27,444.25	\$0.00	0.00%	\$59,793.66	\$61,519.25	\$1,725.59	2.89%
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	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%
1,250,000	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%
1,250,000	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	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%
1,440,000	50%	2,500.0	\$37,377.17	\$39,102.75	\$1,725.59	4.62%	\$54,888.51	\$54,888.51	\$0.00	0.00%	\$92,265.68	\$93,991.26	\$1,725.59	1.87%
1,440,000	40%	2,500.0	\$37,377.17	\$39,102.75	\$1,725.59	4.62%	\$52,039.05	\$52,039.05	\$0.00	0.00%	\$89,416.22	\$91,141.80	\$1,725.59	1.93%
1,008,000	60%	3,500.0	\$44,615.77	\$46,896.92	\$2,281.14	5.11%	\$40,416.57	\$40,416.57	\$0.00	0.00%	\$85,032.34	\$87,313.49	\$2,281.14	2.68%
1,008,000	50%	3,500.0	\$44,615.77	\$46,896.92	\$2,281.14	5.11%	\$38,421.96	\$38,421.96	\$0.00	0.00%	\$83,037.73	\$85,318.88	\$2,281.14	2.75%
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	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%
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%
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	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%
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%	\$128,498.54	\$130,779.68	\$2,281.14	1.78%
2,016,000	40%	3,500.0	\$51,654.63	\$53,935.77	\$2,281.14	4.42%	\$72,854.68	\$72,854.68	\$0.00	0.00%	\$124,509.31	\$126,790.45	\$2,281.14	1.83%
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%
1,152,000	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%
1,152,000	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	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	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%
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%
2,304,000	40%	4,000.0	\$58,793.36	\$61,352.28	\$2,558.92	4.35%	\$83,262.49	\$83,262.49	\$0.00	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	\$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	\$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%	\$307,784.85	\$315,621.55	\$7,836.70	2.55%
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	50%	13,500.0	\$180,854.34	\$188,691.04	\$7,836.70	4.33%	\$222,298.46	\$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	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	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	kWh x \$0.00	Revenue Decoupling Mechanism	kWh 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	kWh x \$0.04	DLM	kWh 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	kWh x \$0.00	Incremental State Assessment Surcharge	kWh 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 3I)

Standard Load Scenario, FY21 - Rate Year 3 vs. Rate Year 2

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			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%
1,008,000	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%
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%	\$207,459.26	\$207,459.26	\$0.00	0.00%	\$298,875.55	\$301,173.02	\$2,297.47	0.77%
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	kWh x \$0.00	Revenue Decoupling Mechanism	kWh 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

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			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	0.26%
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	kWh x \$0.00	Revenue Decoupling Mechanism	kWh 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	kWh x \$0.00	Incremental State Assessment Surcharge	kWh x \$0.00
DLM	kWh x \$0.04	DLM	kWh 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

kWh Usage	kW	Delivery				Commodity				Total			
		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%
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	\$27.59	3.68%	\$509.47	\$510.67	\$1.20	0.24%	\$1,260.17	\$1,288.96	\$28.79	2.28%
17,280	60.0	\$774.91	\$804.83	\$29.92	3.86%	\$679.29	\$680.89	\$1.60	0.24%	\$1,454.20	\$1,485.72	\$31.52	2.17%
21,600	60.0	\$799.13	\$831.36	\$32.23	4.03%	\$849.11	\$851.12	\$2.01	0.24%	\$1,648.24	\$1,682.48	\$34.24	2.08%
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

Customer Charge		\$2.52
T&D Demand Charge	kW x	\$10.27
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03511
Transmission Revenue Adjustment Charge	kWh x	(\$0.00312)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007511
Merchant Function Charge	kWh x	\$0.00051
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM Surcharge	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$2.52
T&D Demand Charge	kW x	\$10.61
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03511
Transmission Revenue Adjustment Charge	kWh x	(\$0.00078)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
NYPA ETIP Credit	kWh x	\$0.00
Merchant Function Charge	kWh x	\$0.00060
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM Surcharge	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	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, FY19 - Rate Year 1 vs. Curren

kWh Usage	kW	Delivery				Commodity				Total			
		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

Customer Charge		260.15
T&D Demand Charge	kW x	\$10.03
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03485
Transmission Revenue Adjustment Charge	kWh x	(\$0.00254)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007459
Merchant Function Charge	kWh x	\$0.00051
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		325.00
T&D Demand Charge	kW x	\$10.21
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03485
Transmission Revenue Adjustment Charge	kWh x	(\$0.00064)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005661
NYPA ETIP Credit	kW x	(\$0.005)
Merchant Function Charge	kWh x	\$0.00060
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	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

kWh Usage	kW	Delivery				Commodity				Total			
		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%
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	\$16.74	0.25%	\$12,540.24	\$12,744.27	\$204.03	1.63%
225,000	500.0	\$5,992.52	\$6,172.73	\$180.20	3.01%	\$8,538.07	\$8,558.98	\$20.91	0.24%	\$14,530.59	\$14,731.71	\$201.11	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%
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%
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

Customer Charge		436.70
T&D Demand Charge	kW x	\$8.15
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03376
Transmission Revenue Adjustment Charge	kWh x	(\$0.00213)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007193
Merchant Function Charge	kWh x	\$0.00051
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		436.70
T&D Demand Charge	kW x	\$8.61
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03376
Transmission Revenue Adjustment Charge	kWh x	(\$0.00056)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005460
NYPA ETIP Credit	kWh x	(\$0.03)
Merchant Function Charge	kWh x	\$0.00060
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	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
SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY19 - Rate Year 1 vs. Current

kWh Usage	kW	Delivery				Commodity				Total			
		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%	\$32,465.11	\$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%	\$41,675.94	\$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%	\$36,955.96	\$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

Customer Charge		\$565.23
T&D Demand Charge	kW x	\$2.77
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03302
Transmission Revenue Adjustment Charge	kWh x	(\$0.00171)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005938
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00051
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$639.00
T&D Demand Charge	kW x	\$2.68
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03302
Transmission Revenue Adjustment Charge	kWh x	(\$0.00054)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.004507
NYPA ETIP Credit	kWh x	(\$0.14)
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00060
Gross Receipts Tax		
Commodity	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

kWh Usage	kW	Delivery				Commodity				Total			
		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%
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	\$2,718.62	\$2,610.80	(\$107.83)	-3.97%	\$5,382.91	\$5,396.29	\$13.38	0.25%	\$8,101.53	\$8,007.09	(\$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

Customer Charge		565.23
T&D Demand Charge	kW x	\$2.77
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03320
Transmission Revenue Adjustment Charge	kWh x	(\$0.00155)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005390
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.003298
CES Delivery Charge	kWh x	\$0.000000
Merchant Function Charge	kWh x	\$0.00051
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		639.00
T&D Demand Charge	kW x	\$2.68
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge	kWh x	\$0.03320
Transmission Revenue Adjustment Charge	kWh x	(\$0.00054)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.004091
NYPA ETIP Credit	kW x	(\$0.19)
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.000000
Merchant Function Charge	kWh x	0.00060
Gross Receipts Tax		
Commodity	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
SC3A-LARGE GENERAL SERVICE (SECONDARY)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY19 - Rate Year 1 vs. Curren

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			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	0.25%	\$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	\$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	\$157,151.10	\$5,783.88	3.82%	\$145,593.82	\$145,955.22	\$361.40	0.25%	\$296,961.04	\$303,106.32	\$6,145.28	2.07%
3,888,000	40%	13,500.0	\$151,367.22	\$157,151.10	\$5,783.88	3.82%	\$138,073.09	\$138,434.49	\$361.40	0.26%	\$289,440.31	\$295,585.59	\$6,145.28	2.12%
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	\$181,736.65	\$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

Customer Charge		1,000.00
T&D Demand Charge	kW x	\$9.18
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge On Peak	kWh x	\$0.04284
Commodity Energy Charge Off Peak	kWh x	\$0.02369
Transmission Revenue Adjustment Charge	kWh x	(\$0.00241)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.007511
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00051
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$1,333.33
T&D Demand Charge	kW x	\$9.58
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge On Peak	kWh x	\$0.04284
Commodity Energy Charge Off Peak	kWh x	\$0.02369
Transmission Revenue Adjustment Charge	kWh x	(\$0.00060)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
NYPA ETIP Credit	kW x	\$0.00
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	0.00060
Gross Receipts Tax		
Commodity	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 GR
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, FY19 - Rate Year 1 vs. Current

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			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	60%	3,500.0	\$41,059.23	\$41,736.02	\$676.78	1.65%	\$58,212.76	\$58,353.31	\$140.55	0.24%	\$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	1.65%	\$55,382.73	\$55,523.27	\$140.54	0.25%	\$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%
3,888,000	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	50%	13,500.0	\$145,914.98	\$147,888.28	\$1,973.30	1.35%	\$142,412.73	\$142,774.13	\$361.40	0.25%	\$288,327.71	\$290,662.41	\$2,334.70	0.81%
3,888,000	40%	13,500.0	\$145,914.98	\$147,888.28	\$1,973.30	1.35%	\$135,135.49	\$135,496.89	\$361.40	0.27%	\$281,050.47	\$283,385.17	\$2,334.70	0.83%
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

Customer Charge		1,000.00
T&D Demand Charge	kW x	\$9.18
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge On Peak	kWh x	\$0.04172
Commodity Energy Charge Off Peak	kWh x	\$0.02319
Transmission Revenue Adjustment Charge	kWh x	(\$0.00175)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005466
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Incremental State Assessment Surcharge	kW x	\$0.00
Merchant Function Charge	kWh x	\$0.00051
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		1,333.33
T&D Demand Charge	kW x	\$9.58
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge On Peak	kWh x	\$0.04172
Commodity Energy Charge Off Peak	kWh x	\$0.02319
Transmission Revenue Adjustment Charge	kWh x	(\$0.00060)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.004149
NYPA ETIP Credit	kW x	(\$0.23)
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Incremental State Assessment Surcharge	kW x	\$0.00
Merchant Function Charge	kWh x	\$0.00060
Gross Receipts Tax		
Commodity	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

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			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	0.26%	\$78,094.87	\$77,773.04	(\$321.82)	-0.41%
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	0.27%	\$75,345.77	\$75,023.95	(\$321.81)	-0.43%
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	0.26%	\$113,408.83	\$112,947.54	(\$461.29)	-0.41%
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%
3,888,000	60%	13,500.0	\$74,814.54	\$72,367.05	(\$2,447.48)	-3.27%	\$147,223.64	\$147,585.04	\$361.40	0.25%	\$222,038.18	\$219,952.09	(\$2,086.08)	-0.94%
3,888,000	50%	13,500.0	\$74,814.54	\$72,367.05	(\$2,447.48)	-3.27%	\$140,154.55	\$140,515.95	\$361.40	0.26%	\$214,969.09	\$212,883.00	(\$2,086.08)	-0.97%
3,888,000	40%	13,500.0	\$74,814.54	\$72,367.05	(\$2,447.48)	-3.27%	\$133,085.45	\$133,446.85	\$361.40	0.27%	\$207,899.99	\$205,813.90	(\$2,086.08)	-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%

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 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 Peak	kWh x	\$0.04088	Commodity Energy Charge On Peak	kWh x	\$0.04088
Commodity Energy Charge Off Peak	kWh x	\$0.02288	Commodity Energy Charge Off Peak	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. Current

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
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

Customer Charge		3,500.00
T&D Demand Charge	kW x	\$2.84
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge On Peak	kWh x	\$0.03939
Commodity Energy Charge Off Peak	kWh x	\$0.02232
Transmission Revenue Adjustment Charge	kWh x	(\$0.00278)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.004439
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00051
Gross Receipts Tax		
Commodity	Bill /	0.99
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$4,007.00
T&D Demand Charge	kW x	\$2.97
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001162
Commodity Energy Charge On Peak	kWh x	\$0.03939
Commodity Energy Charge Off Peak	kWh x	\$0.02232
Transmission Revenue Adjustment Charge	kWh x	(\$0.00118)
Systems Benefits Charge (CEF/EES)	kWh x	\$0.003369
NYPA ETIP Credit	kW x	(\$0.34)
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00330
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	0.00060
Gross Receipts Tax		
Commodity	Bill /	0.99
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, FY20 - Rate Year 2 vs. Rate Year

kWh Usage	kW	Delivery				Commodity				Total			
		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%
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

Customer Charge		\$52.52
T&D Demand Charge	kW x	\$10.61
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03565
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
NYPA ETIP Credit	kWh x	\$0.00
Merchant Function Charge	kWh x	\$0.00064
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM Surcharge	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$2.52
T&D Demand Charge	kW x	\$11.46
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03565
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
NYPA ETIP Credit	kWh x	\$0.00
Merchant Function Charge	kWh x	\$0.00064
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM Surcharge	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	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, FY20 - Rate Year 2 vs. Rate Year 1

kWh Usage	kW	Delivery				Commodity				Total			
		Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	\$1,562.70	\$1,669.77	\$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	\$1,612.52	\$1,719.59	\$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	\$1,662.34	\$1,769.41	\$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	\$1,761.98	\$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	\$2,797.11	\$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	\$2,896.75	\$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	\$2,996.39	\$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	\$3,195.67	\$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	\$3,414.32	\$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	\$3,538.87	\$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	\$3,608.07	\$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	\$3,912.52	\$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	\$6,500.36	\$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	\$6,749.46	\$7,022.19	\$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	\$6,998.56	\$7,271.29	\$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	\$7,496.76	\$7,769.49	\$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	\$9,586.40	\$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	\$9,960.05	\$10,336.31	\$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	\$10,333.70	\$10,709.96	\$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	\$11,081.00	\$11,457.26	\$376.26	3.40%	\$17,231.22	\$17,231.22	\$0.00	0.00%	\$28,312.22	\$28,688.48	\$376.26	1.33%
432,000	1,500.0	\$18,844.52	\$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	\$19,591.82	\$20,278.69	\$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	\$20,339.12	\$21,025.99	\$686.87	3.38%	\$25,846.83	\$25,846.83	\$0.00	0.00%	\$46,185.95	\$46,872.82	\$686.87	1.49%
864,000	1,500.0	\$21,833.72	\$22,520.59	\$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	\$25,016.60	\$25,910.54	\$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	\$26,013.00	\$26,906.94	\$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	\$27,009.40	\$27,903.34	\$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	\$29,002.20	\$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

Customer Charge		\$325.00
T&D Demand Charge	kW x	\$10.21
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03522
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005661
NYPA ETIP Credit	kW x	(0.005)
Merchant Function Charge	kWh x	\$0.00064
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$390.00
T&D Demand Charge	kW x	\$10.62
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03522
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005661
NYPA ETIP Credit	kW x	(\$0.005)
Merchant Function Charge	kWh x	\$0.00064
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	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

kWh Usage	kW	Delivery				Commodity				Total			
		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

Customer Charge		\$436.70
T&D Demand Charge	kW x	\$8.61
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03405
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005460
NYPA ETIP Credit	kWh x	(\$0.03)
Merchant Function Charge	kWh x	\$0.00064
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		436.70
T&D Demand Charge	kW x	\$9.21
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03405
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005460
NYPA ETIP Credit	kWh x	(\$0.03)
Merchant Function Charge	kWh x	\$0.00064
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	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
SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY20 - Rate Year 2 vs. Rate Year

kWh Usage	kW	Delivery				Commodity				Total			
		Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
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%
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%
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%
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%
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	\$12,345.87	\$186.87	1.54%
270,000	800.0	\$4,286.07	\$4,472.94	\$186.87	4.36%	\$10,229.51	\$10,229.51	\$0.00	0.00%	\$14,515.58	\$14,702.45	\$186.87	1.29%
320,000	800.0	\$4,573.73	\$4,760.60	\$186.87	4.09%	\$12,123.87	\$12,123.87	\$0.00	0.00%	\$16,697.60	\$16,884.47	\$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%
432,000	1,500.0	\$7,044.42	\$7,330.28	\$285.86	4.06%	\$16,367.22	\$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	\$24,550.83	\$0.00	0.00%	\$32,837.96	\$33,123.82	\$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%
576,000	2,000.0	\$9,177.41	\$9,533.98	\$356.57	3.89%	\$21,822.96	\$21,822.96	\$0.00	0.00%	\$31,000.37	\$31,356.94	\$356.57	1.15%
720,000	2,000.0	\$10,005.88	\$10,362.45	\$356.57	3.56%	\$27,278.70	\$27,278.70	\$0.00	0.00%	\$37,284.58	\$37,641.15	\$356.57	0.96%
864,000	2,000.0	\$10,834.35	\$11,190.92	\$356.57	3.29%	\$32,734.44	\$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

Customer Charge		\$639.00
T&D Demand Charge	kW x	\$2.68
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03324
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.004507
NYPA ETIP Credit	kWh x	(\$0.14)
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$712.00
T&D Demand Charge	kW x	\$2.82
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03324
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.004507
NYPA ETIP Credit	kWh x	(\$0.14)
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00064
Gross Receipts Tax		
Commodity	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 GR
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 1

kWh Usage	kW	Delivery				Commodity				Total			
		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%

Current

Customer Charge		\$639.00
T&D Demand Charge	kW x	\$2.68
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03364
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.004091
NYPA ETIP Credit	kW x	(\$0.19)
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.003628
CES Delivery Charge	kWh x	\$0.000000
Merchant Function Charge	kWh x	\$0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		712.00
T&D Demand Charge	kW x	\$2.82
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge	kWh x	\$0.03364
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.004091
NYPA ETIP Credit	kW x	(\$0.19)
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.000000
Merchant Function Charge	kWh x	0.00064
Gross Receipts Tax		
Commodity	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
SC3A-LARGE GENERAL SERVICE (SECONDARY)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY20 - Rate Year 2 vs. Rate Year

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			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

Customer Charge		\$1,333.33
T&D Demand Charge	kW x	\$9.58
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge On Peak	kWh x	\$0.04340
Commodity Energy Charge Off Peak	kWh x	\$0.02365
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEP/EES)	kWh x	\$0.005701
NYPA ETIP Credit	kW x	\$0.00
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		1,666.67
T&D Demand Charge	kW x	\$10.11
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge On Peak	kWh x	\$0.04340
Commodity Energy Charge Off Peak	kWh x	\$0.02365
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEP/EES)	kWh x	\$0.005701
NYPA ETIP Credit	kW x	\$0.00
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	0.00064
Gross Receipts Tax		
Commodity	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 GR
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 1

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	\$28,942.04	\$30,617.13	\$1,675.09	5.79%	\$28,261.98	\$28,261.98	\$0.00	0.00%	\$57,204.02	\$58,879.11	\$1,675.09	2.93%
720,000	50%	2,500.0	\$28,942.04	\$30,617.13	\$1,675.09	5.79%	\$26,875.07	\$26,875.07	\$0.00	0.00%	\$55,817.11	\$57,492.20	\$1,675.09	3.00%
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	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%
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%
1,250,000	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	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%
1,440,000	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%
1,440,000	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	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%
1,008,000	50%	3,500.0	\$39,980.13	\$42,190.58	\$2,210.44	5.53%	\$37,625.09	\$37,625.09	\$0.00	0.00%	\$77,605.22	\$79,815.67	\$2,210.44	2.85%
1,008,000	40%	3,500.0	\$39,980.13	\$42,190.58	\$2,210.44	5.53%	\$35,683.42	\$35,683.42	\$0.00	0.00%	\$75,663.55	\$77,874.00	\$2,210.44	2.92%
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	50%	3,500.0	\$42,697.67	\$44,908.11	\$2,210.44	5.18%	\$56,437.64	\$56,437.64	\$0.00	0.00%	\$99,135.31	\$101,345.75	\$2,210.44	2.23%
1,512,000	40%	3,500.0	\$42,697.67	\$44,908.11	\$2,210.44	5.18%	\$53,525.13	\$53,525.13	\$0.00	0.00%	\$96,222.80	\$98,433.24	\$2,210.44	2.30%
2,016,000	60%	3,500.0	\$45,415.20	\$47,625.64	\$2,210.44	4.87%	\$79,133.54	\$79,133.54	\$0.00	0.00%	\$124,548.74	\$126,759.18	\$2,210.44	1.77%
2,016,000	50%	3,500.0	\$45,415.20	\$47,625.64	\$2,210.44	4.87%	\$75,250.19	\$75,250.19	\$0.00	0.00%	\$120,665.39	\$122,875.83	\$2,210.44	1.83%
2,016,000	40%	3,500.0	\$45,415.20	\$47,625.64	\$2,210.44	4.87%	\$71,366.84	\$71,366.84	\$0.00	0.00%	\$116,782.04	\$118,992.48	\$2,210.44	1.89%
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%
1,152,000	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%
1,152,000	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	\$67,828.74	\$0.00	0.00%	\$116,433.67	\$118,911.79	\$2,478.12	2.13%
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%
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%	\$90,438.33	\$90,438.33	\$0.00	0.00%	\$142,149.01	\$144,627.14	\$2,478.12	1.74%
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%
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	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	2.56%
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	\$228,922.01	\$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%
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	\$290,250.73	\$0.00	0.00%	\$461,575.64	\$469,139.62	\$7,563.98	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%

Current

Customer Charge		\$1,333.33
T&D Demand Charge	kW x	\$9.58
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge On Peal	kWh x	\$0.04222
Commodity Energy Charge Off Peal	kWh x	\$0.02315
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.004149
NYPA ETIP Credit	kW x	(\$0.23)
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000
Incremental State Assessment Surcharge	kW x	\$0.00
Merchant Function Charge	kWh x	\$0.00064

Gross Receipts Tax

Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$1,666.67
T&D Demand Charge	kW x	\$10.11
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge On Peal	kWh x	\$0.04222
Commodity Energy Charge Off Peal	kWh x	\$0.02315
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.004149
NYPA ETIP Credit	kW x	(\$0.23)
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000
Incremental State Assessment Surcharge	kW x	\$0.00
Merchant Function Charge	kWh x	\$0.00064

Gross Receipts Tax

Commodity	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, FY20 - Rate Year 2 vs. Rate Year

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			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%
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	\$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

Customer Charge		\$1,744.00
T&D Demand Charge	kW x	\$3.45
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge On Peak	kWh x	\$0.04131
Commodity Energy Charge Off Peak	kWh x	\$0.02284
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CES/EES)	kWh x	\$0.005406
NYPA Credit	kW x	(\$0.05)
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00064
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		2,088.00
T&D Demand Charge	kW x	\$3.52
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge On Peak	kWh x	\$0.04131
Commodity Energy Charge Off Peak	kWh x	\$0.02284
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CES/EES)	kWh x	\$0.005406
NYPA ETIP Credit	kW x	(\$0.05)
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	0.00064
Gross Receipts Tax		
Commodity	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

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			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	3.22%
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	\$1,741.41	8.52%	\$53,841.28	\$53,841.28	\$0.00	0.00%	\$74,283.61	\$76,025.02	\$1,741.41	2.34%
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%
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%
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%	11,500.0	\$52,944.02	\$57,497.55	\$4,553.54	8.60%	\$138,449.00	\$138,449.00	\$0.00	0.00%	\$191,393.02	\$195,946.55	\$4,553.54	2.38%
3,888,000	40%	11,500.0	\$52,944.02	\$57,497.55	\$4,553.54	8.60%	\$131,603.77	\$131,603.77	\$0.00	0.00%	\$184,547.79	\$189,101.32	\$4,553.54	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

Customer Charge		\$4,007.00
T&D Demand Charge	kW x	\$2.97
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge On Peak	kWh x	\$0.03970
Commodity Energy Charge Off Peak	kWh x	\$0.02227
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.003369
NYPA ETIP Credit	kWh x	(\$0.34)
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00064
Gross Receipts Tax	Bill /	0.99
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		4,513.00
T&D Demand Charge	kW x	\$3.32
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001189
Commodity Energy Charge On Peak	kWh x	\$0.03970
Commodity Energy Charge Off Peak	kWh x	\$0.02227
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.003369
NYPA ETIP Credit	kWh x	(\$0.34)
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00363
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	0.00064
Gross Receipts Tax	Bill /	0.99
Commodity	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 :

kWh Usage	kW	Delivery				Commodity				Total			
		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

Customer Charge		\$52.52
T&D Demand Charge	kW x	\$11.46
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03612
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
NYPA ETIP Credit	kWh x	\$0.00
Merchant Function Charge	kWh x	\$0.00065
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM Surcharge	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$2.52
T&D Demand Charge	kW x	\$12.36
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03612
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005701
NYPA ETIP Credit	kWh x	\$0.00
Merchant Function Charge	kWh x	\$0.00065
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM Surcharge	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	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 1

kWh Usage	kW	Delivery				Commodity				Total			
		Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
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%
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	\$4,085.10	\$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%
216,000	750.0	\$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	\$10,342.67	\$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	\$10,717.59	\$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	\$11,467.43	\$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	\$19,541.56	\$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	\$20,291.40	\$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	\$21,041.24	\$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	\$22,540.93	\$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	\$25,924.10	\$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	\$26,923.89	\$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	\$27,923.68	\$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	\$29,923.26	\$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

Customer Charge		\$390.00
T&D Demand Charge	kW x	\$10.62
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03564
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005661
NYPA ETIP Credit	kWh x	(0.005)
Merchant Function Charge	kWh x	\$0.00065
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		455.00
T&D Demand Charge	kW x	\$11.09
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03564
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005661
NYPA ETIP Credit	kWh x	(0.005)
Merchant Function Charge	kWh x	\$0.00065
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	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 1

kWh Usage	kW	Delivery				Commodity				Total			
		Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	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%	\$2,705.70	\$2,764.29	\$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%	\$3,039.03	\$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%	\$3,372.36	\$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%	\$4,039.02	\$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%	\$4,970.30	\$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%	\$5,636.95	\$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%	\$6,303.61	\$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%	\$7,636.93	\$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%	\$6,102.59	\$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%	\$6,935.92	\$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%	\$7,769.24	\$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%	\$9,435.88	\$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%	\$11,764.07	\$12,057.00	\$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%	\$13,430.72	\$13,723.65	\$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%	\$15,514.02	\$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%	\$18,430.66	\$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%	\$17,425.57	\$17,864.96	\$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%	\$19,925.53	\$20,364.92	\$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%	\$22,425.49	\$22,864.89	\$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%	\$27,425.42	\$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%	\$34,410.01	\$35,288.80	\$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%	\$39,409.94	\$40,288.73	\$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%	\$44,409.88	\$45,288.67	\$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%	\$54,409.74	\$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%	\$45,732.97	\$46,904.69	\$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%	\$52,399.55	\$53,571.27	\$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%	\$59,066.13	\$60,237.85	\$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%	\$72,399.28	\$73,571.00	\$1,171.72	1.62%

Current

Customer Charge		\$436.70
T&D Demand Charge	kW x	\$9.21
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03443
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005460
NYPA ETIP Credit	kWh x	(\$0.03)
Merchant Function Charge	kWh x	\$0.00065
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		436.70
T&D Demand Charge	kW x	\$9.79
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03443
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.005460
NYPA ETIP Credit	kWh x	(\$0.03)
Merchant Function Charge	kWh x	\$0.00065
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000
Gross Receipts Tax		
Commodity	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
SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY21 - Rate Year 3 vs. Rate Year 1

kWh Usage	kW	Delivery				Commodity				Total			
		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%
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%	\$10,103.49	\$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	\$12,718.31	\$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%	\$24,066.64	\$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%	\$28,872.08	\$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%	\$33,677.52	\$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%
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%	\$31,849.12	\$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%	\$38,256.37	\$38,613.95	\$357.58	0.93%
864,000	2,000.0	\$11,211.25	\$11,568.83	\$357.58	3.19%	\$33,452.38	\$33,452.38	\$0.00	0.00%	\$44,663.63	\$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

Customer Charge		\$712.00
T&D Demand Charge	kW x	\$2.82
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03360
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.004507
NYPA ETIP Credit	kW x	(\$0.14)
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$786.00
T&D Demand Charge	kW x	\$2.96
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03360
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.004507
NYPA ETIP Credit	kW x	(\$0.14)
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00065
Gross Receipts Tax		
Commodity	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 1

kWh Usage	kW	Delivery				Commodity				Total			
		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%
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	\$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%
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

Customer Charge		\$712.00
T&D Demand Charge	kW x	\$2.82
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03407
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.004091
NYPA ETIP Credit	kW x	(\$0.19)
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.004080
CES Delivery Charge	kWh x	\$0.000000
Merchant Function Charge	kWh x	\$0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$786.00
T&D Demand Charge	kW x	\$2.96
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge	kWh x	\$0.03407
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.004091
NYPA ETIP Credit	kW x	(\$0.19)
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.000000
Merchant Function Charge	kWh x	0.00065
Gross Receipts Tax		
Commodity	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
SC3A-LARGE GENERAL SERVICE (SECONDARY)
Central Region (Load Zones 2C, 3E and 31D)

NYPA Blended Load Scenario, FY21 - Rate Year 3 vs. Rate Year 1

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			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%	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%
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%	\$151,556.79	\$151,556.79	\$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%	\$143,592.28	\$143,592.28	\$0.00	0.00%	\$310,871.68	\$318,708.38	\$7,836.70	2.52%
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

Customer Charge		\$1,666.67
T&D Demand Charge	kW x	\$10.11
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge On Peak	kWh x	\$0.04400
Commodity Energy Charge Off Peak	kWh x	\$0.02372
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEP/EES)	kWh x	\$0.005701
NYPA ETIP Credit	kW x	\$0.00
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00065

Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$2,000.00
T&D Demand Charge	kW x	\$10.66
Revenue Decoupling Mechanism	kW x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge On Peak	kWh x	\$0.04400
Commodity Energy Charge Off Peak	kWh x	\$0.02372
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEP/EES)	kWh x	\$0.005701
NYPA ETIP Credit	kW x	\$0.00
Incremental State Assessment Surcharge	kW x	\$0.00
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00065

Gross Receipts Tax		
Commodity	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 GR
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

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	\$30,634.08	\$32,359.66	\$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	\$30,634.08	\$32,359.66	\$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	\$30,634.08	\$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	\$33,504.27	\$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	\$33,504.27	\$35,229.86	\$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	\$33,504.27	\$35,229.86	\$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%
1,440,000	60%	2,500.0	\$34,533.21	\$36,258.80	\$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	\$34,533.21	\$36,258.80	\$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	\$34,533.21	\$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	\$42,214.30	\$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	\$42,214.30	\$44,495.45	\$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	\$42,214.30	\$44,495.45	\$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%
1,512,000	60%	3,500.0	\$44,943.70	\$47,224.84	\$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	\$44,943.70	\$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	\$44,943.70	\$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	\$47,673.09	\$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	\$47,673.09	\$49,954.23	\$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	\$47,673.09	\$49,954.23	\$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%
1,152,000	60%	4,000.0	\$48,004.42	\$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	\$48,004.42	\$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	\$48,004.42	\$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	\$51,123.73	\$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	\$51,123.73	\$53,682.65	\$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	\$51,123.73	\$53,682.65	\$2,558.92	5.01%	\$62,446.86	\$62,446.86	\$0.00	0.00%	\$113,570.59	\$116,129.51	\$2,558.92	2.25%
2,304,000	60%	4,000.0	\$54,243.03	\$56,801.95	\$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	\$54,243.03	\$56,801.95	\$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	\$54,243.03	\$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	\$158,016.59	\$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	\$158,016.59	\$165,853.28	\$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	\$158,016.59	\$165,853.28	\$7,836.70	4.96%	\$140,505.45	\$140,505.45	\$0.00	0.00%	\$298,522.04	\$306,358.73	\$7,836.70	2.63%
5,832,000	60%	13,500.0	\$168,544.25	\$176,380.95	\$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	\$168,544.25	\$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	\$168,544.25	\$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	\$179,071.92	\$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	\$179,071.92	\$186,908.61	\$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	\$179,071.92	\$186,908.61	\$7,836.70	4.38%	\$281,010.89	\$281,010.89	\$0.00	0.00%	\$460,082.81	\$467,919.50	\$7,836.70	1.70%

Current

Customer Charge		\$1,666.67
T&D Demand Charge	kW x	\$10.11
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge On Peal	kWh x	\$0.04280
Commodity Energy Charge Off Peal	kWh x	\$0.02321
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.004149
NYPA ETIP Credit	kW x	(\$0.23)
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000
Incremental State Assessment Surcharge	kW x	\$0.00
Merchant Function Charge	kWh x	\$0.00065
Gross Receipts Tax		
Commodity	Bill /	0.9900
Delivery	Bill /	0.9900

Proposed

Customer Charge		2,000.00
T&D Demand Charge	kW x	\$10.66
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge On Peal	kWh x	\$0.04280
Commodity Energy Charge Off Peal	kWh x	\$0.02321
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.004149
NYPA ETIP Credit	kW x	(\$0.23)
DLM	kW x	\$0.04
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000
Incremental State Assessment Surcharge	kW x	\$0.00
Merchant Function Charge	kWh x	\$0.00065
Gross Receipts Tax		
Commodity	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 1

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			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	1.05%
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	1.09%
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	\$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	\$2,297.47	2.58%	\$218,616.64	\$218,616.64	\$0.00	0.00%	\$307,663.94	\$309,961.42	\$2,297.47	0.75%
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	60%	13,500.0	\$102,042.54	\$104,340.02	\$2,297.47	2.25%	\$306,365.36	\$306,365.36	\$0.00	0.00%	\$408,407.90	\$410,705.38	\$2,297.47	0.56%
7,776,000	50%	13,500.0	\$102,042.54	\$104,340.02	\$2,297.47	2.25%	\$291,488.85	\$291,488.85	\$0.00	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	\$276,612.34	\$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 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 \$0.005406	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
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, FY21 - Rate Year 3 vs. Rate Year 1

kWh Usage	On-Peak Pct	kW	Delivery				Commodity				Total			
			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%
1,008,000	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	60%	3,500.0	\$22,226.40	\$22,865.80	\$639.39	2.88%	\$57,701.66	\$57,701.66	\$0.00	0.00%	\$79,928.06	\$80,567.46	\$639.39	0.80%
1,512,000	50%	3,500.0	\$22,226.40	\$22,865.80	\$639.39	2.88%	\$54,975.48	\$54,975.48	\$0.00	0.00%	\$77,201.88	\$77,841.28	\$639.39	0.83%
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	\$657.58	2.98%	\$43,963.17	\$43,963.17	\$0.00	0.00%	\$66,048.11	\$66,705.69	\$657.58	1.00%
1,152,000	50%	4,000.0	\$22,084.94	\$22,742.52	\$657.58	2.98%	\$41,886.08	\$41,886.08	\$0.00	0.00%	\$63,971.02	\$64,628.60	\$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	\$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	\$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%

Current

Customer Charge		\$4,513.00
T&D Demand Charge	kW x	\$3.32
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge On Peak	kWh x	\$0.04019
Commodity Energy Charge Off Peak	kWh x	\$0.02234
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.003369
NYPA ETIP Credit	kWh x	(\$0.34)
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	\$0.00065
Gross Receipts Tax		
Commodity	Bill /	0.99
Delivery	Bill /	0.9900

Proposed

Customer Charge		\$5,020.00
T&D Demand Charge	kW x	\$3.36
Revenue Decoupling Mechanism	kWh x	\$0.00
Legacy Transition Charge	kWh x	\$0.001212
Commodity Energy Charge On Peak	kWh x	\$0.04019
Commodity Energy Charge Off Peak	kWh x	\$0.02234
Transmission Revenue Adjustment Charge	kWh x	\$0.00000
Systems Benefits Charge (CEF/EES)	kWh x	\$0.003369
NYPA ETIP Credit	kWh x	(\$0.34)
Incremental State Assessment Surcharge	kWh x	\$0.00
DLM	kWh x	\$0.04
CES Supply Charge	kWh x	\$0.00408
CES Delivery Charge	kWh x	\$0.00000
Merchant Function Charge	kWh x	0.00065
Gross Receipts Tax		
Commodity	Bill /	0.99
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 d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
Shared and Local Facilities Rate Class Revenue Requirements
Rate Year 1

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	TOTAL
1. Total Transmission-Distribution Revenue Requirement	\$ 874,618,810	\$ 65,003,583	\$ 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
3. Reactive Demand Charge Revenues	-	-	-	538,181	629,008	326,953	393,121	731,011	2,080,013	4,698,287
4. Transformer Ownership Credits	-	-	(276,921)	-	-	-	-	-	-	(276,921)
5. Balance of Trans-Dist Revenue Requirement	\$ 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			\$ 0.01115	\$ 0.01115	\$ 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	7,240,691,896	7,240,691,896
8. Transmission Revenue Requirement	\$ -	\$ -	\$ -	\$ 53,396,866	\$ 23,265,097	\$ 7,828,445	\$ 14,503,343	\$ 18,813,633	\$ 80,726,316	\$ 80,726,316
9. ACOS Shared Revenue Requirement Allocator	0.35406759	0.29430516	0.56617142	0.69381181	0.84577013	0.75313992	0.83205607	0.84116188	0.86936030	0.86936030
10. times: Total Trans-Dist Revenue Requirement	\$ 874,618,810	\$ 65,003,583	\$ 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	\$ 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	\$ 261,651,213	\$ 15,678,911	\$ 48,684,222	\$ 24,619,906	\$ 2,002,629	\$ -	\$ 2,595,185	\$ -	\$ -	\$ 355,232,067
13. Shared Facilities Revenue Requirement	35.4%	29.4%	56.6%	69.4%	84.6%	72.9%	83.2%	83.9%	85.9%	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%

1. 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 (annual true-up)
8. Line 6 * Line 7
9. Per Joint Proposal Appendix 2, Schedule 5.13
10. 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 2

(A)	(B)	(C)	(D)	(E)	(F)			(G)	(H)	(I)		(J)
					Small General Service SC-2ND	Secondary	Primary			Sub/Transmission	Sec/Primary	
1. Total Transmission-Distribution Revenue Requirement	Residential Svc SC-1	65,452,208	194,806,055	140,374,166	46,599,603	6,891,032	26,867,215	13,661,611	51,423,022	5,000,998	5,000,998	1,474,637,801
2. less: Customer Charge Revenues		28,894,045	31,212,495	18,374,016	4,138,616	1,590,015	1,589,885	1,650,121	5,000,998	5,000,998	5,000,998	396,558,907
3. Reactive Demand Charge Revenues		-	-	540,014	631,259	327,948	388,794	722,027	2,062,888	2,062,888	2,062,888	4,672,930
4. Transformer Ownership Credits		-	(276,921)	-	-	-	-	-	-	-	-	(276,921)
5. Balance of Trans-Dist Revenue Requirement		36,558,164	163,870,481	121,460,136	41,829,727	4,973,070	24,888,535	11,289,464	44,359,136	11,289,464	44,359,136	1,073,682,885
6. Wholesale Transmission Rate												
7. times: Wholesale Transmission Energy Sales				0.01115	0.01115	0.01115	0.01115	0.01115	0.01115	0.01115	0.01115	0.01115
8. Transmission Revenue Requirement		-	-	4,804,867,075	2,092,278,801	703,122,997	1,287,184,269	1,668,666,184	7,171,709,620	1,668,666,184	7,171,709,620	79,957,278
9. ACOS Shared Revenue Requirement Allocator												
10. times: Total Trans-Dist Revenue Requirement		0.29430516	0.56617142	0.69381181	0.84577013	0.75313992	0.83205607	0.84116188	0.86956030	0.84116188	0.86956030	0.86956030
11. As-Used Charge Revenue Requirement		65,452,889	194,806,055	140,374,166	46,599,603	6,891,032	26,867,215	13,661,611	51,423,022	13,661,611	51,423,022	1,474,637,801
		328,774,025	110,293,621	97,393,254	39,412,552	4,973,070	22,355,029	11,289,464	44,359,136	11,289,464	44,359,136	678,113,072
12. Contract Charge Revenue Requirement		17,295,241	53,576,860	24,066,882	2,417,175	-	2,533,506	-	-	-	-	395,569,813
13. Shared Facilities Revenue Requirement												
14. Local Facilities Revenue Requirement		35.4%	29.4%	69.4%	84.6%	72.2%	83.2%	82.6%	86.3%	82.6%	86.3%	46.0%
		64.6%	70.6%	30.6%	15.4%	27.8%	16.8%	17.4%	13.7%	17.4%	13.7%	54.0%

1. 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 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 (annual true-up)
8. Line 6 * Line 7
9. Per Joint Proposal Appendix 2, Schedule 5.13
10. 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 d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
Shared and Local Facilities Rate Class Revenue Requirements
Rate Year 3

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	TOTAL
1. Total Transmission-Distribution Revenue Requirement	\$ 984,960,778	\$ 68,651,189	\$ 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
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
3. Reactive Demand Charge Revenues				538,226	629,342	326,802	382,884	710,102	2,037,948	4,625,303
4. Transformer Ownership Credits			(276,921)							(276,921)
5. Balance of Trans-Dist Revenue Requirement	\$ 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
6. Wholesale Transmission Rate			\$ 0.01115	\$ 0.01115	\$ 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	\$ -	\$ -	\$ -	\$ 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	0.86956030	
10. times: Total Trans-Dist Revenue Requirement	\$ 984,960,778	\$ 68,651,189	\$ 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	\$ 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	\$ 331,285,685	\$ 19,432,268	\$ 58,100,815	\$ 23,465,567	\$ 2,789,766	\$ -	\$ 2,478,042	\$ -	\$ -	\$ 437,552,143
13. Shared Facilities Revenue Requirement	35.4%	29.4%	56.6%	69.4%	84.6%	71.4%	83.2%	81.8%	85.5%	45.8%
14. Local Facilities Revenue Requirement	64.6%	70.6%	43.4%	30.6%	15.4%	28.6%	16.8%	18.2%	14.5%	54.2%

1. 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 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 (annual true-up)
8. Line 6 * Line 7
9. Per Joint Proposal Appendix 2, Schedule 5.13
10. Line 1
11. Line 9 * Line 10
12. Line 5 - Line 11
13. Line 11 / Line 1
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	17,840,790 \$	17.00 \$	303,293,422
2. Base Distribution Energy Charge	11,326,831,638 \$	0.05044 \$	571,325,388	17,840,790 \$	14.67 \$	261,651,213
3. Total Base Distribution Delivery Revenue			874,618,810	11,326,831,638	0.02734 \$	309,674,174
4.			Total Base Transmission-Distribution Revenue		\$	874,618,810
5.			Revenue Target		\$	874,618,810
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 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)
1. Customer Charge Revenues	1,369,286 \$	21.02 \$	28,782,392	1,369,286 \$	21.02 \$	28,782,392
2. Base Distribution Energy Charge	614,715,129 \$	0.05567 \$	34,221,191	1,369,286 \$	11.45 \$	15,678,911
3. Total Base Distribution Delivery Revenue		\$	63,003,583	614,715,129	0.03016 \$	18,542,280
4.			Total Base Transmission-Distribution Revenue		\$	63,003,583
5.			Revenue Target		\$	63,003,583
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 2019 Standby Rate Design for
Service Classification No. 2 (Demand) for Interval Metered Customers

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)	Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
1. Customer Charge Revenues	592,649 \$	52.52 \$	31,125,903	592,649 \$	52.52 \$	31,125,903
2. Base Distribution Demand Charge	14,373,270 \$	10.61 \$	152,479,659	22,755,779 \$	2.14 \$	48,684,222
3. Transformer Ownership Credit	307,690 \$	(0.90) \$	(276,921)	307,690 \$	(0.90) \$	(276,921)
4. Total Base Distribution Delivery Revenue		\$	183,328,641	210,135,341	0.4939 \$	103,795,437
5.			Total Base Transmission-Distribution Revenue		\$	183,328,641
6.			Revenue Target		\$	183,328,641
7.			Over/(Under) Collection (Line 5 - Line 6)		\$	-

Revenue Calculation

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)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)	Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
<u>Revenue Calculation</u>						
1. Customer Charge	28,943	\$ 325.00	\$ 9,406,508	45,119	\$ 325.00	\$ 14,663,708
2. Special L Customer Charge	16,176	\$ 368.46	\$ 5,960,209	16,176	\$ 43.46	\$ 703,009
3. Base Dist Demand Chg Revenues	11,400,129	\$ 10.21	\$ 116,447,703	14,824,153	\$ 1.66	\$ 24,619,906
4. Reactive Demand Charge Revenues	633,154	\$ 0.85	\$ 538,181	633,154	\$ 0.85	\$ 538,181
5. Total Base Distribution Delivery Revenue		\$	\$ 132,352,600	179,086,950	0.5128	\$ 91,827,797
6.			Total Base Transmission-Distribution Revenue		\$	\$ 132,352,600
7.			Revenue Target		\$	\$ 132,352,600
8.			Over/(Under) Collection (Line 6 - Line 7)		\$	\$ -

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)

Revenue Calculation

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)	Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
1. Customer Charge	3,119	\$ 436.70	\$ 1,362,075	8,867	\$ 436.70	\$ 3,872,227
2. Special L Customer Charge	5,748	\$ 480.16	\$ 2,759,960	5,748	\$ 43.46	\$ 249,808
3. Base Dist Demand Chg Revenues	4,531,812	\$ 8.61	\$ 39,038,605	7,284,710	\$ 0.27	\$ 2,002,629
4. Reactive Demand Charge Revenues	740,009	\$ 0.85	\$ 629,008	740,009	\$ 0.85	\$ 629,008
5. Total Base Distribution Delivery Revenue		\$	\$ 43,789,648	77,068,621	\$ 0.4806	\$ 37,035,976
6.			Total Base Transmission-Distribution Revenue		\$	\$ 43,789,648
7.			Revenue Target		\$	\$ 43,789,648
8.			Over/(Under) Collection (Line 6 - Line 7)		\$	-

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)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)	Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
1. Customer Charge	544 \$	639.00 \$	347,607	2,128 \$	639.00 \$	1,359,783
2. Special L Customer Charge	1,584 \$	682.46 \$	1,081,017	1,584 \$	43.46 \$	68,841
3. Base Dist Demand Chg Revenues	1,762,316 \$	2.68 \$	4,727,404	2,284,848 \$	- \$	-
4. Reactive Demand Charge Revenues	384,651 \$	0.85 \$	326,953	384,651 \$	0.85 \$	326,953
5. Total Base Distribution Delivery Revenue			6,482,980	27,209,102	0.1737 \$	4,727,404
6.						\$ 6,482,980
7.						\$ 6,482,980
8.						\$ -
						Total Base Transmission-Distribution Revenue
						Revenue Target
						Over/(Under) Collection (Line 6 - Line 7)

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)
1. Customer Charge	977 \$	1,333.33 \$	1,302,466 Customer Charge Revenues	977 \$	1,333.33 \$	1,302,466
2. Base Dist Demand Chg Revenues	2,489,126 \$	9.58 \$	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				41,322,334 \$	0.5144 \$	21,258,067
5.			Total Base Transmission-Distribution Revenue		\$	25,548,839
6.			Revenue Target		\$	25,548,839
7.			Over/(Under) Collection (Line 5 - Line 6)		\$	-

Revenue Calculation

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)
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 \$	- \$	-
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		\$	13,347,862
7.			Over/(Under) Collection (Line 5 - Line 6)		\$	-

Revenue Calculation

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)
<u>Revenue Calculation</u>						
1. Customer Charge	1126 \$	4,007.00 \$	4,512,921	1,126 \$	4,007.00 \$	4,512,921
2. Base Dist Demand Chg Revenues	13,493,431 \$	2.97 \$	40,060,972	16,171,255 \$	- \$	-
3. Reactive Demand Charge Revenues	2,039,228 \$	1.02 \$	2,080,013	2,039,228 \$	1.02 \$	2,080,013
4. Total Base Distribution Delivery Revenue		\$	46,653,906	231,807,987 \$	0.1728 \$	40,060,972
5.			Total Base Transmission-Distribution Revenue		\$	46,653,906
6.			Revenue Target based on minimum Transmission Rev Req		\$	46,653,906
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 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	17,888,748 \$	17.00 \$	304,108,716
2. Base Distribution Energy Charge	11,285,996,258 \$	0.05533 \$	624,454,173	17,888,748 \$	16.53 \$	295,680,148
3. Total Base Distribution Delivery Revenue		\$	928,562,889	11,285,996,258	0.02913 \$	328,774,025
4.			Total Base Transmission-Distribution Revenue		\$	928,562,889
5.			Revenue Target		\$	928,562,889
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 (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)
1. Customer Charge Revenues	1,374,598 \$	21.02 \$	28,894,045	1,374,598 \$	21.02 \$	28,894,045
2. Base Distribution Energy Charge	608,592,702 \$	0.06007 \$	36,558,164	1,374,598 \$	12.58 \$	17,295,241
3. Total Base Distribution Delivery Revenue		\$	65,452,208	608,592,702	0.03165 \$	19,262,923
4.			Total Base Transmission-Distribution Revenue		\$	65,452,208
5.			Revenue Target		\$	65,452,208
6.			Over/(Under) Collection (Line 4 - Line 5)		\$	-

Revenue Calculation

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

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)	Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
1. Customer Charge Revenues	594,297 \$	52.52 \$	31,212,495	594,297 \$	52.52 \$	31,212,495
2. Base Distribution Demand Charge	14,294,355 \$	11.46 \$	163,870,481	22,630,840 \$	2.37 \$	53,576,860
3. Transformer Ownership Credit	307,690 \$	(0.90) \$	(276,921)	307,690 \$	(0.90) \$	(276,921)
4. Total Base Distribution Delivery Revenue		\$	194,806,055	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)		\$	-

Revenue Calculation

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)

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)	Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
<u>Revenue Calculation</u>						
1. Customer Charge	29,134	\$ 390.00	\$ 11,362,367	45,310	\$ 390.00	\$ 17,671,007
2. Special L Customer Charge	16,176	\$ 433.46	\$ 7,011,649	16,176	\$ 43.46	\$ 703,009
3. Base Dist Demand Chg Revenues	11,436,924	\$ 10.62	\$ 121,460,136	14,872,000	\$ 1.62	\$ 24,066,882
4. Reactive Demand Charge Revenues	635,311	\$ 0.85	\$ 540,014	635,311	\$ 0.85	\$ 540,014
5. Total Base Distribution Delivery Revenue		\$	\$ 140,374,166	179,664,976	0.5421	\$ 97,393,254
6.			Total Base Transmission-Distribution Revenue		\$	\$ 140,374,166
7.			Revenue Target		\$	\$ 140,374,166
8.			Over/(Under) Collection (Line 6 - Line 7)		\$	\$ -

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 (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)
<u>Revenue Calculation</u>						
1. Customer Charge	3,157 \$	436.70 \$	1,378,657	8,905 \$	436.70 \$	3,888,808
2. Special L Customer Charge	5,748 \$	480.16 \$	2,759,960	5,748 \$	43.46 \$	249,808
3. Base Dist Demand Chg Revenues	4,544,240 \$	9.21 \$	41,829,727	7,304,687 \$	0.33 \$	2,417,175
4. Reactive Demand Charge Revenues	742,658 \$	0.85 \$	631,259	742,658 \$	0.85 \$	631,259
5. Total Base Distribution Delivery Revenue		\$	46,599,603	77,279,965 \$	0.5100 \$	39,412,552
6.			Total Base Transmission-Distribution Revenue		\$	46,599,603
7.			Revenue Target		\$	46,599,603
8.			Over/(Under) Collection (Line 6 - Line 7)		\$	-

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/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)
1. Customer Charge	552 \$	712.00 \$	393,366 Customer Charge Revenues	2,136 \$	712.00 \$	1,521,174
2. Special L Customer Charge	1,584 \$	755.46 \$	1,196,649 Incremental Special L Customer Charge	1,584 \$	43.46 \$	68,841
3. Base Dist Demand Chg Revenues	1,764,125 \$	2.82 \$	4,973,070 Contract Demand Charge	2,287,194 \$	- \$	-
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		\$	6,891,032
8.			Over/(Under) Collection (Line 6 - Line 7)		\$	-

Revenue Calculation

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-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)
1. Customer Charge	954	\$ 1,666.67	\$ 1,589,885	954	\$ 1,666.67	\$ 1,589,885
2. Base Dist Demand Chg Revenues	2,462,992	\$ 10.11	\$ 24,888,535	3,020,631	\$ 0.84	\$ 2,533,506
3. Reactive Demand Charge Revenues	381,171	\$ 1.02	\$ 388,794	381,171	\$ 1.02	\$ 388,794
4. Total Base Distribution Delivery Revenue			\$ 26,867,215	40,888,480	\$ 0.5467	\$ 22,355,029
5.			Total Base Transmission-Distribution Revenue		\$	\$ 26,867,215
6.			Revenue Target		\$	\$ 26,867,215
7.			Over/(Under) Collection (Line 5 - Line 6)		\$	\$ -

Revenue Calculation

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-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)
1. Customer Charge	790 \$	2,088.00 \$	1,650,121 Customer Charge Revenues	790 \$	2,088.00 \$	1,650,121
2. Base Dist Demand Chg Revenues	3,210,883 \$	3.52 \$	11,289,464 Contract Demand Charge	3,941,801 \$	- \$	-
3. Reactive Demand Charge Revenues	707,869 \$	1.02 \$	722,027 Reactive Demand Charge Revenues	707,869 \$	1.02 \$	722,027
4. Total Base Distribution Delivery Revenue				53,878,206 \$	0.2095 \$	11,289,464
5.			Total Base Transmission-Distribution Revenue		\$	13,661,611
6.			Revenue Target		\$	13,661,611
7.			Over/(Under) Collection (Line 5 - Line 6)		\$	-

Revenue Calculation

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--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)
<u>Revenue Calculation</u>						
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 \$	- \$	-
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				229,674,452 \$	0.1931 \$	44,359,136
5.			Total Base Transmission-Distribution Revenue		\$	51,423,022
6.			Revenue Target based on minimum Transmission Rev Req		\$	51,423,022
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 2021 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	17,937,200 \$	17.00 \$	304,932,403	17,937,200 \$	17.00 \$	304,932,403
2. Base Distribution Energy Charge	11,225,295,058 \$	0.06058 \$	680,028,375	17,937,200 \$	18.47 \$	331,285,685
3. Total Base Distribution Delivery Revenue		\$	984,960,778	11,225,295,058	0.03107 \$	348,742,689
4.			Total Base Transmission-Distribution Revenue		\$	984,960,778
5.			Revenue Target		\$	984,960,778
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 2021 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)
1. Customer Charge Revenues	1,380,329 \$	21.02 \$	29,014,522	1,380,329 \$	21.02 \$	29,014,522
2. Base Distribution Energy Charge	598,108,759 \$	0.06627 \$	39,636,667	1,380,329 \$	14.08 \$	19,432,268
3. Total Base Distribution Delivery Revenue		\$	68,651,189	598,108,759	0.03378 \$	20,204,399
4.			Total Base Transmission-Distribution Revenue		\$	68,651,189
5.			Revenue Target		\$	68,651,189
6.			Over/(Under) Collection (Line 4 - Line 5)		\$	-

Revenue Calculation

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

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)	Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
1. Customer Charge Revenues	596,123 \$	52.52 \$	31,308,397	596,123 \$	52.52 \$	31,308,397
2. Base Distribution Demand Charge	14,108,519 \$	12.36 \$	174,423,617	22,336,625 \$	2.60 \$	58,100,815
3. Transformer Ownership Credit	307,690 \$	(0.90) \$	(276,921)	307,690 \$	(0.90) \$	(276,921)
4. Total Base Distribution Delivery Revenue		\$	205,455,094	206,264,712	0.5639 \$	116,322,802
5.			Total Base Transmission-Distribution Revenue		\$	205,455,094
6.			Revenue Target		\$	205,455,094
7.			Over/(Under) Collection (Line 5 - Line 6)		\$	-

Revenue Calculation

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 (Secondary)

Revenue Calculation

	Billing Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)	Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
1. Customer Charge	29,337	\$ 455.00	\$ 13,348,465	45,513	\$ 455.00	\$ 20,708,545
2. Special L Customer Charge	16,176	\$ 498.46	\$ 8,063,089	16,176	\$ 43.46	\$ 703,009
3. Base Dist Demand Chg Revenues	11,398,500	\$ 11.09	\$ 126,375,165	14,822,034	\$ 1.58	\$ 23,465,567
4. Reactive Demand Charge Revenues	633,207	\$ 0.85	\$ 538,226	633,207	\$ 0.85	\$ 538,226
5. Total Base Distribution Delivery Revenue		\$	\$ 148,324,945	179,061,355	0.5747	\$ 102,909,598
6.			Total Base Transmission-Distribution Revenue		\$	\$ 148,324,945
7.			Revenue Target		\$	\$ 148,324,945
8.			Over/(Under) Collection (Line 6 - Line 7)		\$	\$ -

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 Units (A)	Requirements Service Rate (B)	Requirements Service Revenues (C)	Billing Units (D)	T&D Standby Rate (E)	T&D Standby Revenues (F)
<u>Revenue Calculation</u>						
1. Customer Charge	3,197	\$ 436.70	\$ 1,396,199	8,945	\$ 436.70	\$ 3,906,351
2. Special L Customer Charge	5,748	\$ 480.16	\$ 2,759,960	5,748	\$ 43.46	\$ 249,808
3. Base Dist Demand Chg Revenues	4,528,215	\$ 9.79	\$ 44,331,223	7,278,927	\$ 0.38	\$ 2,789,766
4. Reactive Demand Charge Revenues	740,402	\$ 0.85	\$ 629,342	740,402	\$ 0.85	\$ 629,342
5. Total Base Distribution Delivery Revenue		\$	\$ 49,116,723	77,007,442	\$ 0.5394	\$ 41,541,457
6.			Total Base Transmission-Distribution Revenue		\$	\$ 49,116,723
7.			Revenue Target		\$	\$ 49,116,723
8.			Over/(Under) Collection (Line 6 - Line 7)		\$	\$ -

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-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)
1. Customer Charge	932	\$ 2,000.00	\$ 1,863,633	932	\$ 2,000.00	\$ 1,863,633
2. Base Dist Demand Chg Revenues	2,427,576	\$ 10.66	\$ 25,885,244	2,977,197	\$ 0.83	\$ 2,478,042
3. Reactive Demand Charge Revenues	375,376	\$ 1.02	\$ 382,884	375,376	\$ 1.02	\$ 382,884
4. Total Base Distribution Delivery Revenue			\$ 28,131,761	40,300,535	\$ 0.5808	\$ 23,407,202
5.			Total Base Transmission-Distribution Revenue		\$	\$ 28,131,761
6.			Revenue Target		\$	\$ 28,131,761
7.			Over/(Under) Collection (Line 5 - Line 6)		\$	-

Revenue Calculation

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-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)
1. Customer Charge	769 \$	2,432.00 \$	1,870,976 Customer Charge Revenues	769 \$	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 \$	- \$	-
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
6.			Revenue Target		\$	14,164,458
7.			Over/(Under) Collection (Line 5 - Line 6)		\$	-

Revenue Calculation

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--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)
<u>Revenue Calculation</u>						
1. Customer Charge	1091 \$	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	1,997,989 \$	1.02 \$	2,037,948
4. Total Base Distribution Delivery Revenue				226,801,683 \$	0.1954 \$	44,305,969
5.			Total Base Transmission-Distribution Revenue		\$	51,818,847
6.			Revenue Target based on minimum Transmission Rev Req		\$	51,818,847
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
Wholesale Generator Customer Charges

	Parent Class T&D Standby Rate (A)	Whlse Generator T&D Standby Rate Credit (B)	Whlse Generator Proposed Delivery Standby Rate (C)
Service Classification No. 3 (Subtransmission/Transmission)			
1. Customer Charge	\$ 639.00	\$ (389.32)	\$ 249.68
Service Classification No. 3-A (Subtransmission)			
2. Customer Charge	\$ 1,744.00	\$ (963.93)	\$ 780.07
Service Classification No. 3-A (Transmission)			
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

	Parent Class T&D Standby Rate (A)	Whlse Generator T&D Standby Rate Credit (B)	Whlse Generator Proposed Delivery Standby Rate (C)
Service Classification No. 3 (Subtransmission/Transmission)			
1. Customer Charge	\$ 712.00	\$ (389.32)	\$ 322.68
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

	Parent Class T&D Standby Rate (A)	Whlse Generator T&D Standby Rate Credit (B)	Whlse Generator Proposed Delivery Standby Rate (C)
Service Classification No. 3 (Subtransmission/Transmission)			
1. Customer Charge	\$ 786.00	\$ (389.32)	\$ 396.68
Service Classification No. 3-A (Subtransmission)			
2. Customer Charge	\$ 2,432.00	\$ (963.93)	\$ 1,468.07
Service Classification No. 3-A (Transmission)			
3. 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

(A)	(B)	(C)	(D)	(E)	(F)		(G)	(H)		(I)	(J)
					Small General Service SC-2ND	SC-2D		Secondary	Primary		
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	-	-	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	0.000000%	0.000000%	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	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 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 2020

(A)	(B)	(C)	(D)	(E)	(F)		(G)	(H)	(I)	(J)
					Large General Service SC-3	Large General Service SC-3A				
	Residential Svc SC-1	Small General Service SC-2ND	SC-2D	Secondary	Primary	SubT/Transmission	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	-	-	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	0.000000%	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	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 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 2021

(A)	(B)	(C)	(D)	(E)	(F)		(G)	(H)		(I)	(J)
					Large General Service SC-3	Large General Service SC-3A					
	Residential Svc SC-1	Small General Service SC-2ND	Small General Service SC-2D	Secondary	Primary	SubT/Transmission	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	-	-	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	0.000000%	0.000000%	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	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
(\$000s)

Account Description	Balance Allocated Dollars	Residential Nonheat&Heat SCI-NHHT	Resid. TOU Time of Use SC1-TOU	Small Gen No Dem Non Demand SC2-ND	Small Gen Demand General SC2-D	Large Gen-Sec Secondary SC3-SEC	Large Gen-Pri Primary SC3-PRI	Large Gen-Tran Transmission SC3-SUB/TRAN?	Large Gen TOU-S/P Secondary/Primary SC3A-SEC/PRI	I ge Gen TOU-SubT Subtransmission SC3A-SUB	I ge Gen TOU-Transmission SC3A-TRA	Lighting	
													45%
1 Total Revenue Requirement Shared	\$ 867,590	\$ 399,206	\$ 8,033	\$ 24,267	\$ 135,468	\$ 128,061	\$ 49,154	\$ 7,565	\$ 28,662	\$ 17,258	\$ 65,808	\$ 4,106	
2 Total Revenue Requirement Local	\$ 1,045,571	\$ 737,875	\$ 5,060	\$ 58,189	\$ 103,802	\$ 56,515	\$ 8,963	\$ 2,480	\$ 5,785	\$ 3,259	\$ 9,889	\$ 53,753	
3 Total Revenue Requirement	\$ 1,913,161	\$ 1,137,081	\$ 13,093	\$ 82,457	\$ 239,270	\$ 184,576	\$ 58,117	\$ 10,044	\$ 34,448	\$ 20,517	\$ 75,697	\$ 57,859	
4 Percent Shared		45%	35%	61%	29%	57%	69%	85%	75%	83%	84%	87%	7%

Weighting of Shared Allocator for SCI-NHHT and SCI-TOU

5 Total Revenue Requirement Shared (SC-1 and SCI-TOU)	\$ 407,239
6 Total Revenue Requirement Local (SC1 and SCI-TOU)	\$ 742,935
7 Total Revenue Requirement (SC-1 and SCI-TOU)	\$ 1,150,174
8 Percent Shared (SC-1 and SCI-TOU)	35%

- 1 Sum of Line 1 from Pages 2-7
- 2 Sum of Line 2 from Pages 2-7
- 3 Sum of Lines 1-2.
- 4 Line 1 / Line 3
- 5 Sum of Line 1 for Residential and Residential TOU Service Classes
- 6 Sum of Line 2 for Residential and Residential TOU Service Classes
- 7 Sum of Line 3 for Residential and Residential TOU Service Classes
- 8 Line 5 / Line 7

Standby Allocated Cost of Service - Transmission Demand
(\$000s)

Account	Balance	Residential	Resid. TOU	Small Gen No Dem	Small Gen Demand	Large Gen Sec	Large Gen Pri	Large Gen Tran	Large Gen TOU-S/P	Large Gen TOU-SubT	Large 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	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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%

1 Revenue Requirement after applying Shared Allocators to Exhibit (E-RDP-3CU), Schedule 7A.

2 Revenue Requirement after applying Local Allocators to Exhibit (E-RDP-3CU), Schedule 7A.

3 Sum of Lines 1 and 2.

4 Line 1 / Line 3

Standby Allocated Cost of Service - Primary Demand
(\$000s)

Account	Balance	Residential	Resid. TOU	Small Gen No Dem	Small Gen Demand	Large Gen- Sec	Large Gen- Pri	Large Gen- Tran	Large Gen- TOU-S/P	Large Gen TOU-SubT	Large Gen TOU-Tran	Lighting
1 Total Revenue Requirement Shared	\$407,677	\$210,691	\$4,307	\$12,568	\$68,976	\$66,691	\$25,474	\$0	\$14,948	\$0	\$0	\$4,022
2 Total Revenue Requirement Local	\$50,509	\$32,956	\$369	\$1,898	\$6,209	\$5,157	\$1,859	\$2	\$1,094	\$1	\$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	89%	86%	92%	87%	92%	93%	93%	0%	93%	0%	0%	81%

1 Revenue Requirement after applying Shared Allocators to Exhibit (E-RDP-3CU), Schedule 7B.

2 Revenue Requirement after applying Local Allocators 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)

Account	Balance	Residential	Resid. TOU	Small Gen No Dem	Small Gen Demand	Large Gen- Sec	Large Gen- Pri	Large Gen- Tran	Large Gen TOU-S/P	Large Gen TOU-SubT	Large Gen TOU-Tran	Lighting
1 Total Revenue Requirement Shared	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2 Total Revenue Requirement Local	\$ 252,299.85	\$ 219,612.64	\$ 873.98	\$ 16,653.83	\$ 10,008.78	\$ 2,925.63	\$ 882.03	\$ 1.14	\$ 473.64	\$ 0.55	\$ 1.49	\$ 866.14
3 Total Revenue Requirement	\$252,300	\$219,613	\$874	\$16,654	\$10,009	\$2,926	\$882	\$1	\$474	\$1	\$1	\$866
4 Percent Shared	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

1 Revenue Requirement after applying Shared Allocators to Exhibit (E-RDP-3CU), Schedule 7C.

2 Revenue Requirement after applying Local Allocators to Exhibit (E-RDP-3CU), Schedule 7C.

3 Sum of Lines 1 and 2.

4 Line 1 / Line 3

Standby Allocated Cost of Service - Secondary Demand
(\$000s)

Account	Balance	Residential	Resid. TOU	Small Gen No Dem	Small Gen Demand	Large Gen-Sec	Large Gen-Pri	Large Gen-Tran	Large Gen-TOU-SIP	Large Gen-TOU-SubT	Large Gen-TOU-Tran	Lighting
1 Total Revenue Requirement Shared	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2 Total Revenue Requirement Local	\$ 194,848.10	\$ 117,848.44	\$ 1,162.73	\$ 7,027.86	\$ 37,347.04	\$ 28,346.50	\$ 11.67	\$ 1.13	\$ 935.72	\$ 0.54	\$ 1.48	\$ 2,164.99
3 Total Revenue Requirement	\$ 194,848	\$ 117,848	\$ 1,163	\$ 7,028	\$ 37,347	\$ 28,346	\$ 12	\$ 1	\$ 936	\$ 1	\$ 1	\$ 2,165
4 Percent Shared	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

1 Revenue Requirement after applying Shared Allocators to Exhibit (E-RDP-3CU), Schedule 7D.

2 Revenue Requirement after applying Local Allocators to Exhibit (E-RDP-3CU), Schedule 7D.

3 Sum of Lines 1 and 2.

4 Line 1 / Line 3

Standby Allocated Cost of Service - Secondary Customer
(\$000s)

Account	Balance	Residential	Resid. TOU	Small Gen No Dem	Small Gen Demand	Large Gen-Sec	Large Gen-Pri	Large Gen-Tran	Large Gen-TOU-SIP	Large Gen-TOU-SubT	Large Gen-TOU-Tran	Lighting
1 Total Revenue Requirement Shared	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2 Total Revenue Requirement Local	\$ 190,511.03	\$ 123,548.58	\$ 502.19	\$ 11,588.16	\$ 6,933.49	\$ 1,999.68	\$ 36.46	\$ 7.16	\$ 162.57	\$ 2.84	\$ 4.63	\$ 45,725.27
3 Total Revenue Requirement	\$ 190,511	\$ 123,549	\$ 502	\$ 11,588	\$ 6,933	\$ 2,000	\$ 36	\$ 7	\$ 163	\$ 3	\$ 5	\$ 45,725
4 Percent Shared	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

1 Revenue Requirement after applying Shared Allocators to Exhibit (E-RDP-3CU), Schedule 7E.

2 Revenue Requirement after applying Local Allocators 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
(\$000s)

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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2 Total Revenue Requirement Local	\$ 357,403	\$ 243,909	\$ 2,152	\$ 21,022	\$ 43,304	\$ 18,087	\$ 6,175	\$ 2,468	\$ 3,119	\$ 3,254	\$ 9,879	\$ 4,035
3 Total Revenue Requirement	\$ 357,403	\$ 243,909	\$ 2,152	\$ 21,022	\$ 43,304	\$ 18,087	\$ 6,175	\$ 2,468	\$ 3,119	\$ 3,254	\$ 9,879	\$ 4,035
4 Percent Shared	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

1 Revenue Requirement after applying Shared Allocators to Exhibit____(E-RDP-3CU), Schedules 7E, 7F, 7G, 7H, 7I, 7K, 7L, and 7M.
2 Revenue Requirement after applying Local Allocators 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

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 1)

	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC1-RESIDENTIAL				
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%
SC2ND-SMALL GENERAL SERVICE				
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%
SC2D-SMALL GENERAL SERVICE				
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%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 1)

	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC3-LARGE GENERAL SERVICE SECONDARY METERED (UP TO 2.2 KV)				
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%
	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC3-LARGE GENERAL SERVICE 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	\$0.27	-\$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%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 1)

	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC3-LARGE GENERAL SERVICE SUBTRANSMISSION METERED (22 TO 50 KV)				
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%
	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC3-LARGE GENERAL SERVICE TRANSMISSION METERED (OVER 60 KV)				
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%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 1)

	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC3A-LARGE GENERAL SERVICE T.O.U. SECONDARY METERED (UP TO 2.2 KV)				
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	\$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%

	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC3A-LARGE GENERAL SERVICE T.O.U. PRIMARY METERED (2.2 TO 15 KV)				
Distribution Delivery Rates and Charges 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%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 1)

	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC3A-LARGE GENERAL SERVICE T.O.U. SUBTRANSMISSION METERED (22 TO 50 KV)				
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	\$1,400.00	\$1,744.00	\$344.00	24.6%
Customer Charge for Wholesale Generators	\$436.07	\$780.07	\$344.00	78.9%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Demand Charge per kW	\$0.65	\$0.00	-\$0.65	-100.0%
Reactive Demand Charge per kvar	\$1.02	\$1.02	\$0.00	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)				
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	\$988.00	\$1,823.00	\$835.00	84.5%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	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%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 2)

	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC1-RESIDENTIAL				
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%
SC2ND-SMALL GENERAL SERVICE				
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%
SC2D-SMALL GENERAL SERVICE				
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%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 2)

	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC3-LARGE GENERAL SERVICE SECONDARY METERED (UP TO 2.2 KV)				
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%
	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC3-LARGE GENERAL SERVICE 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	\$0.33	-\$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%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 2)

	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC3-LARGE GENERAL SERVICE SUBTRANSMISSION METERED (22 TO 50 KV)				
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	\$175.91	\$322.68	\$146.77	83.4%
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	\$0.1826	\$0.1049	135.0%
	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC3-LARGE GENERAL SERVICE TRANSMISSION METERED (OVER 60 KV)				
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	\$175.91	\$322.68	\$146.77	83.4%
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	\$0.1826	\$0.1049	135.0%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 2)

	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC3A-LARGE GENERAL SERVICE T.O.U. SECONDARY METERED (UP TO 2.2 KV)				
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	\$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. PRIMARY METERED (2.2 TO 15 KV)				
Distribution Delivery Rates and Charges 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%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 2)

	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC3A-LARGE GENERAL SERVICE T.O.U. SUBTRANSMISSION METERED (22 TO 50 KV)				
Distribution Delivery Rates and Charges All zones				
Customer Charge for Non-Wholesale Generators	\$1,400.00	\$2,088.00	\$688.00	49.1%
Customer Charge for Wholesale Generators	\$436.07	\$1,124.07	\$688.00	157.8%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Demand Charge per kW	\$0.65	\$0.00	-\$0.65	-100.0%
Reactive Demand Charge per kvar	\$1.02	\$1.02	\$0.00	0.0%
As-Used Daily Demand Charge per kW	\$0.1591	\$0.2095	\$0.0504	31.7%
	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC3A-LARGE GENERAL SERVICE T.O.U. TRANSMISSION METERED (OVER 60 KV)				
Distribution Delivery Rates and Charges All zones				
Customer Charge for Non-Wholesale Generators	\$3,500.00	\$4,513.00	\$1,013.00	28.9%
Customer Charge for Wholesale Generators	\$988.00	\$2,329.00	\$1,341.00	135.7%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	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%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 3)

	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC1-RESIDENTIAL				
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%
SC2ND-SMALL GENERAL SERVICE				
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%
SC2D-SMALL GENERAL SERVICE				
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%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 3)

	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC3-LARGE GENERAL SERVICE SECONDARY METERED (UP TO 2.2 KV)				
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%
	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC3-LARGE GENERAL SERVICE 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%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 3)

	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC3-LARGE GENERAL SERVICE SUBTRANSMISSION METERED (22 TO 50 KV)				
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	\$565.23	\$786.00	\$220.77	39.1%
Customer Charge for Wholesale Generators	\$175.91	\$396.68	\$220.77	125.5%
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	\$0.1915	\$0.1138	146.4%
	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC3-LARGE GENERAL SERVICE TRANSMISSION METERED (OVER 60 KV)				
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	\$565.23	\$786.00	\$220.77	39.1%
Customer Charge for Wholesale Generators	\$175.91	\$396.68	\$220.77	125.5%
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	\$0.1915	\$0.1138	146.4%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 3)

	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC3A-LARGE GENERAL SERVICE T.O.U. SECONDARY METERED (UP TO 2.2 KV)				
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	\$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%

	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC3A-LARGE GENERAL SERVICE T.O.U. PRIMARY METERED (2.2 TO 15 KV)				
Distribution Delivery Rates and Charges 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%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
CURRENT YEAR RATES v. PROPOSED RATES (RATE YEAR 3)

	Current Rates	Proposed Rates	Increase/Decrease	Percent Change
SC3A-LARGE GENERAL SERVICE T.O.U. SUBTRANSMISSION METERED (22 TO 50 KV)				
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	\$1,400.00	\$2,432.00	\$1,032.00	73.7%
Customer Charge for Wholesale Generators	\$436.07	\$1,468.07	\$1,032.00	236.7%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	N/A
Contract Demand Charge per kW	\$0.65	\$0.00	-\$0.65	-100.0%
Reactive Demand Charge per kvar	\$1.02	\$1.02	\$0.00	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				
All zones				
Customer Charge for Non-Wholesale Generators	\$3,500.00	\$5,020.00	\$1,520.00	43.4%
Customer Charge for Wholesale Generators	\$988.00	\$2,836.00	\$1,848.00	187.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	\$0.00	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 Revenue Targets

<u>Lines</u>		<u>RDM Annual Target Revenue</u>
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 Revenue Targets

		<u>RDM Annual Target Revenue</u>
13	SC1	\$912,579,494
14	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	SC3A Sub	\$13,227,359
22	SC3A Tran	\$45,910,585
23	PSC 214 (all classes)	\$53,802,627
24	Totals	\$1,515,009,640

Fiscal Year 2021 RDM Annual Revenue Targets

		<u>RDM Annual 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 RDM Annual Revenue Targets		RDM Annual Target Revenue
37	SC1	\$977,507,598
38	SC1C	\$10,730,256
39	SC2ND	\$69,348,600
40	SC2D	\$206,816,161
41	SC3 Sec	\$148,819,590
42	SC3 Pri	\$48,998,238
43	SC3 Sub/Tran	\$7,075,861
44	SC3A Sec/Pri	\$27,956,538
45	SC3A Sub	\$14,035,076
46	SC3A Tran	\$46,822,389
47	PSC 214 (all classes)	\$54,844,938
48	Totals	\$1,612,955,244

Fiscal Year 2023 RDM Annual Revenue Targets		RDM Annual Target Revenue
49	SC1	\$979,206,685
50	SC1C	\$10,809,901
51	SC2ND	\$70,048,741
52	SC2D	\$207,316,236
53	SC3 Sec	\$149,419,188
54	SC3 Pri	\$49,212,592
55	SC3 Sub/Tran	\$7,110,527
56	SC3A Sec/Pri	\$27,964,897
57	SC3A Sub	\$14,092,718
58	SC3A Tran	\$47,222,821
59	PSC 214 (all classes)	\$55,279,938
60	Totals	\$1,617,684,244

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

Credit & Collections - Rate Year 2

Line #		Non-Demand	Demand	Streetlighting	Total
1	Total Rev Requirement	\$ 4,043,606			
2					
3					
4					
5	Total Revenue Requirement (Allocated by Commodity)	\$ 3,938,178	\$ 104,267	\$ 1,161	\$ 4,043,606
6	FY2020 Forecast of Full Service & POR kWh sales (excluding SC12 contracts)	10,856,536,170	4,909,781,344	92,000,361	15,858,317,875
		\$ 0.000036	\$ 0.000002	\$ 0.000001	

\$/kWh

1 Source: NiMo-Electric Rev_Rates (Settle_11-05)(Links Valued), MFC, Line 3

Uncollectibles - Rate Year 1
Merchant Function Charge

	Non-Demand	Demand	Streetlighting	Total
1 Revenue for Historic Year Ended 12/31/16	\$ 5,478,542,831	\$ 2,509,268,157	\$ 172,349,549	\$ 8,160,160,537
2 Net Writeoffs (Historic Test Year Ended 12/31/	\$ 126,208,387	\$ 4,922,917	\$ 267,298	\$ 131,398,603
3 Uncollectible factor	2.30%	0.20%	0.16%	
4 FY2019 Forecast Pure Commodity Revenue	\$ 419,326,721	\$ 146,357,612	\$ 2,199,248	\$ 567,883,581
5 Forecast Uncollectible MFC collected	\$ 9,659,968	\$ 287,138	\$ 3,411	\$ 9,950,517
6 FY2019 Forecast Full Service Customer kWh S	8,787,213,221	3,371,583,200	64,473,645	12,223,270,066
7	\$/kWh \$ 0.00110	\$ 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)
- 3 Line 2 / Line 1
- 4 FY2019 Forecast Pure Commodity Revenue (excludes SC12 contracts)
- 5 Line 3 * Line 4
- 6 FY2019 Forecast Full Customer kWh sales (excludes SC12 contracts)
- 7 Line 12 / Line 13

Uncollectibles - Rate Year 2
Merchant Function Charge

	Non-Demand	Demand	Streetlighting	Total
1 Revenue for Historic Year Ended 12/31/16	\$ 5,478,542,831	\$ 2,509,268,157	\$ 172,349,549	\$ 8,160,160,537
2 Net Writeoffs (Historic Test Year Ended 12/31/	\$ 126,208,387	\$ 4,922,917	\$ 267,298	\$ 131,398,603
3 Uncollectible factor	2.30%	0.20%	0.16%	
4 FY2020 Forecast Pure Commodity Revenue	\$ 392,578,555	\$ 141,777,115	\$ 2,076,138	\$ 536,431,807
5 Forecast Uncollectible MFC collected	\$ 9,043,775	\$ 278,152	\$ 3,220	\$ 9,325,146
6 FY2019 Forecast Full Service Customer kWh S	8,463,330,435	3,299,054,995	62,004,698	11,824,390,129
7	\$/kWh \$ 0.00107	\$ 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)
- 5 Line 3 * Line 4
- 6 FY2020 Forecast Full Customer kWh sales (excludes SC12 contracts)
- 7 Line 12 / Line 13

Uncollectibles - Rate Year 3
Merchant Function Charge

	Non-Demand	Demand	Streetlighting	Total
1 Revenue for Historic Year Ended 12/31/16	\$ 5,478,542,831	\$ 2,509,268,157	\$ 172,349,549	\$ 8,160,160,537
2 Net Writeoffs (Historic Test Year Ended 12/31/	\$ 126,208,387	\$ 4,922,917	\$ 267,298	\$ 131,398,603
3 Uncollectible factor	2.30%	0.20%	0.16%	
4 FY2020 Forecast Pure Commodity Revenue	\$ 372,446,620	\$ 140,009,641	\$ 1,989,426	\$ 514,445,687
5 Forecast Uncollectible MFC collected	\$ 8,579,998	\$ 274,684	\$ 3,085	\$ 8,857,768
6 FY2019 Forecast Full Service Customer kWh S	8,106,908,308	3,204,434,975	59,535,752	11,370,879,035
7	\$/kWh \$ 0.00106	\$ 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)
- 3 Line 2 / Line 1
- 4 FY2021 Forecast Pure Commodity Revenue (excludes SC12 contracts)
- 5 Line 3 * Line 4
- 6 FY2021 Forecast Full Customer kWh sales (excludes SC12 contracts)
- 7 Line 12 / Line 13

Supply Procurement- Rate Year 1

Merchant Function Charge

Line #

1		Competitive Supply Procurement
2	Total Rev Requirement	\$ 3,069,684
2	FY 2019 forecast of Full service kWh sales	12,516,678,679
3		
4		\$ <u><u>0.00025</u></u>

2 Source: NiMo-Electric Rev_Rates (Settle_11-05)(Links Valued), MFC, Line 2

Supply Procurement- Rate Year 2
Merchant Function Charge

Line #

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		\$ <u><u>0.00025</u></u>

2 Source: NiMo-Electric Rev_Rates (Settle_11-05)(Links Valued), MFC, Line 2

Supply Procurement- Rate Year 3

Merchant Function Charge

Line #

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		<u>\$ 0.00026</u>

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

Service Class	Proposed Usage	Present T&D Rate	T&D Revenue	Facility Revenue	Total Revenue	Pct. of Service Class Revenue from T&D ³	Pct. of 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%
¹ 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%
² 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.

<i>Revenue Requirement Allocation</i> ¹	<i>Target Revenue</i>	<i>Dollar Increase</i>	<i>% Increase</i>
\$53,661,530	\$53,661,530	\$265,919	0.5%

Target Rate Year Revenues

Service Class	Proposed Usage	Target T&D Rate ²	T&D Revenue	Facility Revenue	Total Revenue	Pct. of Service Class Revenue from T&D	Pct. of Total Revenue	Facility Price Increase %	Revenue Neutral SC1/SC2/Cnt T&D Revenue	Revenue Neutral SC1/SC2/Cnt 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%			
		<i>Dollar Increase:</i>	\$72,734	\$193,185	\$265,919					
		<i>Percent Increase:</i>	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

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	0.08646	\$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%
		<i>Dollar Increase:</i>	\$72,256	\$198,602	\$270,858				
		<i>Percent Increase:</i>	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
<i>Proposed minus Target</i>	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
<i>Proposed minus Target</i>	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
<i>Proposed minus Target</i>	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
<i>Proposed minus Target</i>	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
<i>Proposed minus Target</i>	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
<i>Proposed minus Target</i>	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
<i>Proposed minus Target</i>	n/a	n/a	-\$477	\$5,417	\$4,939
			0.00%	0.01%	0.01%

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. 1 - Private Lighting (Company Owned and Maintained)

3.0%

Use Group Tariff Prices

Description	Present Facility Class	Billed Annual kWh per Lamp	Present Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Price (e)	Tariff Combined Price (f)	2016 Avg Units Billed (g)	Present Annual Usage (h)	Present Annual T&D Revenue (i)	Present Annual Facility Revenue (j)	Present Annual Total Revenue (k)	Non Leap Yr Burns (l)	FY18 Avg Fst Units (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)

LAMP & LUMINAIRE

High Pressure Sodium																
Coach, 70W	Closed	360	\$113.28	\$116.64	3.0%	\$116.28	12.0	4,320	\$380	\$1,359	\$1,739	12	4,320	\$374	\$1,400	\$1,773
Coach, 100W	Closed	492	\$113.04	\$116.40	3.0%	\$116.28	1.0	492	\$43	\$156	\$199	1	492	\$43	\$116	\$159
Coach, 150W	Closed	720	\$113.04	\$116.40	3.0%	\$116.28	17.0	12,240	\$1,076	\$2,997	\$3,073	17	12,240	\$1,068	\$1,979	\$3,057
Edison, 70W	Closed	360	\$108.00	\$111.24	3.0%	\$116.28	25.0	9,000	\$791	\$2,700	\$3,491	25	9,000	\$778	\$2,781	\$3,559
Edison, 100W	Closed	492	\$114.12	\$117.60	3.0%	\$116.28	90.0	44,280	\$3,891	\$10,271	\$14,162	90	44,280	\$3,828	\$10,584	\$14,412
Edison, 150W	Closed	720	\$106.20	\$109.44	3.1%	\$116.28	0.0	-	\$0	\$0	\$0	0	-	\$0	\$0	\$0
Floodlight, 250W	Standard	1,272	\$74.52	\$76.80	3.1%	\$76.80	1145.7	1,457,288	\$128,052	\$85,375	\$213,427	1145.67	1,457,288	\$125,997	\$87,987	\$213,984
Floodlight, 400W	Standard	1,956	\$74.52	\$76.80	3.1%	\$76.80	1664.1	3,254,947	\$286,012	\$124,007	\$410,020	1664.08	3,254,947	\$281,423	\$127,802	\$409,224
Roadway, 70W	Standard	360	\$57.48	\$59.16	2.9%	\$63.00	518.8	186,750	\$16,410	\$29,818	\$46,227	518.75	186,750	\$16,146	\$30,689	\$46,836
Roadway, 100W	Standard	492	\$57.60	\$59.28	2.9%	\$63.00	2087.2	1,026,886	\$90,232	\$120,221	\$210,453	2087.17	1,026,886	\$88,785	\$123,727	\$212,512
Roadway, 150W	Standard	720	\$57.84	\$59.64	3.1%	\$63.00	1924.7	1,385,760	\$121,767	\$111,323	\$233,089	1924.67	1,385,760	\$119,813	\$114,787	\$234,600
Roadway, 250W	Standard	1,272	\$66.00	\$68.04	3.1%	\$63.00	1441.6	1,833,694	\$161,127	\$95,145	\$256,271	1441.58	1,833,694	\$158,541	\$98,085	\$256,627
Roadway, 400W	Standard	1,956	\$66.24	\$68.28	3.1%	\$63.00	1719.2	3,362,690	\$295,480	\$113,878	\$409,357	1719.17	3,362,690	\$290,738	\$117,385	\$408,123
Shoobox, 100W	Closed	492	\$90.00	\$92.76	3.1%	\$94.20	0.0	-	\$0	\$0	\$0	0	-	\$0	\$0	\$0
Shoobox, 150W	Closed	720	\$90.00	\$92.76	3.1%	\$94.20	0.0	-	\$0	\$0	\$0	0	-	\$0	\$0	\$0
Shoobox, 250W	Closed	1,272	\$90.00	\$92.76	3.1%	\$94.20	1.0	1,272	\$112	\$90	\$202	1	1,272	\$110	\$93	\$203
Shoobox, 400W	Closed	1,956	\$91.56	\$94.32	3.0%	\$94.20	8.0	15,648	\$1,375	\$732	\$2,107	8	15,648	\$1,353	\$755	\$2,107
Traditional, 70W	Closed	360	\$61.08	\$62.88	2.9%	\$63.00	6.5	2,340	\$206	\$397	\$603	6.5	2,340	\$202	\$409	\$611
Traditional, 100W	Closed	492	\$61.32	\$63.12	2.9%	\$63.00	19.0	9,348	\$821	\$1,165	\$1,986	19	9,348	\$808	\$1,199	\$2,008
Traditional, 150W	Closed	720	\$61.08	\$62.88	2.9%	\$63.00	2.0	1,440	\$127	\$122	\$249	2	1,440	\$125	\$126	\$250
Floodlight, 1000W	Obsolete	4,620	\$92.64	\$95.40	3.0%	\$95.40	281.2	1,298,990	\$114,142	\$26,047	\$140,190	281.67	1,298,990	\$112,311	\$26,823	\$139,134
Roadway, 1000W	Obsolete	4,620.0	\$128.52	\$132.36	3.0%	\$132.36	179.7	830,060	\$72,937	\$23,091	\$96,028	179.667	830,060	\$71,767	\$23,781	\$95,548
Metal Halide																
Floodlight, 400W	Standard	1,884	\$85.56	\$88.20	3.1%	\$88.44	891.5	1,679,586	\$147,585	\$76,277	\$223,862	891.5	1,679,586	\$145,217	\$78,650	\$223,847
Shoobox, 400W	Closed	1,884	\$92.16	\$94.92	3.0%	\$88.44	32.0	60,288	\$5,298	\$2,949	\$8,247	32	60,288	\$5,213	\$3,037	\$8,250
Shoobox, 1000W	Closed	4,500	\$90.00	\$92.76	3.1%	\$88.44	0.0	-	\$0	\$0	\$0	0	-	\$0	\$0	\$0
LL Flood MH 250	Standard	1,236	\$85.56	\$88.20	3.1%	\$88.44	0	-	\$0	\$0	\$0	0	-	\$0	\$0	\$0
LL Flood MH 400	Standard	1,884	\$85.56	\$88.20	3.1%	\$88.44	29.8	56,049	\$4,925	\$2,545	\$7,470	29.75	56,049	\$4,846	\$2,624	\$7,470
LL Flood MH 1000	Standard	4,500	\$85.56	\$88.20	3.1%	\$88.44	0	-	\$0	\$0	\$0	0	-	\$0	\$0	\$0
Mercury Vapor																
Floodlight, 400W	Obsolete	1,992	\$76.32	\$78.60	3.0%	\$64.44	75.3	149,898	\$13,172	\$5,743	\$18,915	75.25	149,898	\$12,960	\$5,915	\$18,875
Floodlight, 1000W	Obsolete	4,572	\$95.16	\$98.04	3.0%	\$94.04	84.7	387,096	\$34,014	\$8,057	\$42,071	84.6667	387,096	\$33,468	\$8,301	\$41,769
Roadway, 175W	Obsolete	876	\$58.80	\$60.60	3.1%	\$64.44	1810.9	1,586,363	\$139,394	\$106,482	\$245,876	1810.92	1,586,363	\$137,157	\$109,742	\$246,898
Roadway, 400W	Obsolete	1,992	\$67.92	\$69.96	3.0%	\$64.44	1059.2	2,109,860	\$185,393	\$71,939	\$257,332	1059.17	2,109,860	\$182,418	\$74,099	\$256,518
Roadway, 1000W	Obsolete	4,572	\$134.52	\$138.60	3.0%	\$138.60	212.1	969,645	\$85,203	\$28,529	\$113,732	212.083	969,645	\$83,836	\$29,395	\$113,230
POLES/STANDARDS																
Overhead Service																
Additional Wood Pole	Standard		\$78.12	\$80.52	3.1%		3963.9	-	\$0	\$309,661	\$309,661	3963.92	-	\$0	\$319,175	\$319,175
Underground Service																
Standards > 16 ft.																
Aluminum - AB - w/davit	Closed		\$214.92	\$221.40	3.0%		17.0	-	\$0	\$3,654	\$3,654	17	-	\$0	\$3,764	\$3,764
Aluminum - AB - square	Closed		\$471.24	\$485.52	3.0%		17.0	-	\$0	\$8,011	\$8,011	17	-	\$0	\$8,254	\$8,254
Fiberglass - AB - w/pendant arm	Closed		\$145.80	\$150.24	3.0%		0.0	-	\$0	\$0	\$0	0	-	\$0	\$0	\$0
Standards <= 16 ft.																
Aluminum - AB - square	Closed		\$288.00	\$296.64	3.0%		0.0	-	\$0	\$0	\$0	0	-	\$0	\$0	\$0
Fiberglass, AB	Closed		\$74.52	\$76.80	3.1%		108.0	-	\$0	\$8,048	\$8,048	108	-	\$0	\$8,294	\$8,294

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. 1 - Private Lighting (Company Owned and Maintained)

3.0%

Description	Present Facility Class	Billed Annual kWh per Lamp	Present Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	Tariff Wgtd Combined Price (f)	2016 Avg Units Billed (g)			Present Annual Usage (h)	Present Annual T&D Revenue (i)	Present Annual Facility Revenue (j)	Present Annual Total Revenue (k)	Non Leap Yr Burns (l)	FY18 Avg Fcst Units (m)	Proposed Annual Usage (n)	Proposed Annual T&D Revenue (o)	Proposed Annual Facility Revenue (p)	Proposed Annual Total Revenue (q)
							2016 Avg Units Billed (g)	Present Annual Usage (h)	Present Annual T&D Revenue (i)										
Fiberglass, direct embedded (DE)	Closed		\$99.84	\$102.84	3.0%		62.5	-	\$0	\$6,240	\$0	\$6,240		62.5	-	\$0	\$6,428	\$0	\$6,428
SD Alum =<16 AB SQ	Standard		\$288.00	\$296.64	3.0%		0.0	-	\$0	\$0	\$0	\$0		0	-	\$0	\$0	\$0	\$0
FOUNDATIONS																			
Concrete - Cast-In-Place (CIP)			\$250.44	\$258.00	3.0%		9.0	-	\$0	\$2,254	\$0	\$2,254		9	-	\$0	\$2,322	\$0	\$2,322
For AB standard > 16 ft.	Closed		\$181.80	\$187.32	3.0%		0.0	-	\$0	\$0	\$0	\$0		0	-	\$0	\$0	\$0	\$0
For AB standard <= 16 ft.	Closed								\$0	\$0	\$0	\$0				\$0	\$0	\$0	\$0
Concrete - Pre-Cast (PC)			\$149.76	\$154.32	3.0%		7.0	-	\$0	\$1,048	\$0	\$1,048		7	-	\$0	\$1,080	\$0	\$1,080
for AB standards	Closed								\$0	\$0	\$0	\$0				\$0	\$0	\$0	\$0
Mechanical - Screw Type			\$112.56	\$115.92	3.0%		126.0	-	\$0	\$14,183	\$0	\$14,183		126	-	\$0	\$14,606	\$0	\$14,606
for AB standards	Obsolete								\$0	\$0	\$0	\$0				\$0	\$0	\$0	\$0
CIRCUITRY																			
Overhead Service - one span	Standard		\$36.36	\$37.44	3.0%		4787.3	-	\$0	\$174,064	\$0	\$174,064		4787.25	-	\$0	\$179,235	\$0	\$179,235
Underground Service			\$2.16	\$2.28	5.6%		1997.0	-	\$0	\$4,314	\$0	\$4,314		1997	-	\$0	\$4,553	\$0	\$4,553
Cable and conduit, per foot	Closed		\$0.36	\$0.36	0.0%		772.0	-	\$0	\$278	\$0	\$278		772	-	\$0	\$278	\$0	\$278
Cable only, per foot	Closed		\$1.44	\$1.44	0.0%		6694.1	-	\$0	\$9,639	\$0	\$9,639		6694.08	-	\$0	\$9,639	\$0	\$9,639
Direct buried cable, per foot	Closed								\$0	\$0	\$0	\$0				\$0	\$0	\$0	\$0
			Annual Total						21,756,230	1,909,963	1,591,691	3,501,654		21,736,230	1,879,314	1,639,878	3,519,192		3,519,192

New Facility additions (no billed quantities)

LL Roadway LED-A Standard	\$0.00	\$0.00
LL Roadway LED-B Standard	\$83.83	\$83.88
LL Roadway LED-C Standard	\$88.52	\$88.68
LL Roadway LED-D Standard	\$110.09	\$110.28
LL Roadway LED-E Standard	\$0.00	\$0.00
LL Roadway LED-F Standard	\$119.16	\$119.28

3.03%
\$1,879,369
-\$55
\$1,639,723
\$154
\$100
Error due to Tariff Rate rounding

TARGET
PROPOSED MINUS TARGET

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)

Description	Present T&D rate Proposed T&D rate <i>0.83%/increase</i>	Present Facility Class	Billed per Lamp	Use Tariff Prices				LED Conversion On				LED Conversion On				LED Facility %			
				Leap Yr = 1, NonLeap Yr = 0		Leap Yr = 1, NonLeap Yr = 0		FY18		FY18		35.7%		35.7%		0.4%		0.4%	
				Present Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	Use Tariff Combined Price (f)	2016 Avg Units Billed (g)	Present Annual Usage (h)	Present Annual Revenue (i)	Present Annual Facility Revenue (j)	Present Annual Total Revenue (k)	Non Leap Yr Burns (l)	FY18 Avg Unit Cost (m)	Proposed Annual Usage (n)	Proposed Annual T&D Revenue (o)	Proposed Annual Facility Revenue (p)	Proposed Annual Total Revenue (q)	
LAMPS																			
High Pressure Sodium																			
70W Standard	0.0875	\$7.99	\$8.04	0.6%	\$ 8.04	43,820	15,714,890	\$1,697,677	\$350,125	\$1,697,677	347.50	43,820	15,714,890	\$1,538,709	\$352,316	\$1,711,026	\$0	\$0	
24 HR - 70W Standard	0.0875	\$15.98	\$15.96	-0.1%	\$16.08	82,836	40,700,293	\$3,495,195	\$661,860	\$3,495,195	730.00	82,836	40,700,293	\$3,524,135	\$666,002	\$4,190,137	\$0	\$0	
100W Standard	0.0875	\$7.99	\$8.04	0.6%	\$8.04	38	38,920	\$3,337	\$602	\$3,337	730.00	38	38,920	\$3,365	\$601	\$3,966	\$0	\$0	
24 HR - 100W Standard	0.0875	\$15.98	\$15.96	-0.1%	\$16.08	32,467	23,421,848	\$2,008,423	\$259,409	\$2,008,423	347.50	32,467	23,421,848	\$2,025,053	\$261,033	\$2,286,086	\$0	\$0	
150W Standard	0.0875	\$7.99	\$8.04	0.6%	\$8.04	104	158,170	\$1,668	\$16,680	\$1,668	730.00	104	158,170	\$13,675	\$1,666	\$15,341	\$0	\$0	
24 HR - 150W Standard	0.0875	\$15.98	\$15.96	-0.1%	\$16.08	25,276	32,041,541	\$2,747,562	\$206,503	\$2,747,562	347.50	25,276	32,041,541	\$2,770,312	\$206,250	\$2,976,562	\$0	\$0	
200W Standard	0.0875	\$16.34	\$16.32	-0.1%	\$16.08	88	235,348	\$20,181	\$1,444	\$20,181	730.00	88	235,348	\$20,348	\$1,442	\$21,790	\$0	\$0	
24 HR - 200W Standard	0.0875	\$16.34	\$16.32	-0.1%	\$16.08	6,153	12,059,009	\$1,034,060	\$50,269	\$1,034,060	347.50	6,153	12,059,009	\$1,042,622	\$50,207	\$1,092,829	\$0	\$0	
400W Standard	0.0875	\$16.34	\$16.32	-0.1%	\$16.08	313	1,442,177	\$123,667	\$5,138	\$123,667	347.50	313	1,442,177	\$124,691	\$5,141	\$129,831	\$0	\$0	
1000W Closed	0.0875	\$56.31	\$56.40	0.2%	\$55.44	2,223	2,005,288	\$171,953	\$130,815	\$171,953	347.50	2,223	2,005,288	\$173,377	\$131,024	\$304,401	\$0	\$0	
175W Standard	0.0875	\$56.31	\$56.40	0.2%	\$55.44	275	338,281	\$29,008	\$15,485	\$29,008	347.50	275	338,281	\$29,248	\$15,510	\$44,757	\$0	\$0	
250W Standard	0.0875	\$50.82	\$50.88	0.1%	\$55.44	569	1,070,093	\$91,761	\$28,916	\$120,677	347.50	569	1,070,093	\$92,520	\$28,951	\$121,471	\$0	\$0	
400W Standard	0.0875	\$54.36	\$54.48	0.2%	\$55.44	2	7,321	\$628	\$89	\$716	347.50	2	7,321	\$633	\$89	\$722	\$0	\$0	
Mercury Vapor																			
100W Obsolete	0.0875	\$6.84	\$6.84	0.0%	\$ 6.84	598	323,973	\$27,781	\$4,088	\$27,781	347.50	598	323,973	\$28,011	\$4,088	\$32,098	\$0	\$0	
175W Obsolete	0.0875	\$6.84	\$6.84	0.0%	\$ 6.84	1,462	1,286,769	\$110,340	\$10,003	\$110,340	347.50	1,462	1,286,769	\$111,254	\$10,003	\$121,257	\$0	\$0	
400W Obsolete	0.0875	\$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	\$0	\$0	
1000W Obsolete	0.0875	\$13.08	\$13.08	0.0%	\$13.08	4	18,592	\$1,594	\$53	\$1,647	347.50	4	18,592	\$1,607	\$53	\$1,661	\$0	\$0	
250W (5 unit) Obsolete	0.0875	\$190.87	\$191.28	0.2%	\$191.28	-	-	\$0	\$0	\$0	347.50	-	-	\$0	\$0	\$0	\$0	\$0	
LAMP & LUMINAIRE																			
MV 100W Open Reflector	0.0875	\$87.38	\$87.60	0.3%	\$87.60	44	23,852	\$2,045	\$3,845	\$5,890	347.50	44	23,852	\$2,062	\$3,854	\$5,917	\$0	\$0	
HPS 1000W High-Mast (6 unit) Closed	0.0875	\$1,014.94	\$1,016.88	0.2%	\$1,016.88	8	221,377	\$18,983	\$8,120	\$27,103	347.50	8	221,377	\$19,140	\$8,135	\$27,275	\$0	\$0	
Incandescent																			
< 2500 lumen, Open Reflector	0.0875	\$74.80	\$75.00	0.3%	\$75.00	-	-	\$0	\$0	\$0	347.50	-	-	\$0	\$0	\$0	\$0	\$0	
< 2500 lumen, Std Luminaire	0.0875	\$96.86	\$97.08	0.2%	\$97.08	1	842	\$72	\$97	\$169	347.50	1	842	\$73	\$97	\$170	\$0	\$0	
4000 lumen, Open Reflector	0.0875	\$86.08	\$86.28	0.2%	\$86.28	-	-	\$0	\$0	\$0	347.50	-	-	\$0	\$0	\$0	\$0	\$0	
4000 lumen, Enclosed Reflector	0.0875	\$99.92	\$100.08	0.2%	\$100.08	4	5,113	\$438	\$375	\$813	347.50	4	5,113	\$442	\$375	\$817	\$0	\$0	
6000 lumen, Enclosed Reflector	0.0875	\$99.76	\$99.96	0.2%	\$99.96	-	-	\$0	\$0	\$0	347.50	-	-	\$0	\$0	\$0	\$0	\$0	
10000 lumen, Enclosed Reflector	0.0875	\$151.38	\$151.68	0.2%	\$151.68	-	-	\$0	\$0	\$0	347.50	-	-	\$0	\$0	\$0	\$0	\$0	
LUMINAIRES																			
Aspen Grove 100 Standard	0.0875	\$103.70	\$103.92	0.2%	\$100.80	6,698	6,698	\$694,539	\$0	\$694,539	347.50	6,698	6,698	\$0	\$696,013	\$696,013	\$0	\$0	
Aspen Grove 150 Standard	0.0875	\$81.67	\$81.84	0.2%	\$100.80	2,084	2,084	\$170,234	\$0	\$170,234	347.50	2,084	2,084	\$0	\$170,589	\$170,589	\$0	\$0	
Aspen Grove 70 Standard	0.0875	\$103.70	\$103.92	0.2%	\$100.80	7,448	7,448	\$772,338	\$0	\$772,338	347.50	7,448	7,448	\$0	\$773,996	\$773,996	\$0	\$0	
Buffalo Globe (5 unit), 250 Obsolete																			
Central Park 100 Standard	0.0875	\$126.46	\$126.72	0.2%	\$123.12	1,354	1,354	\$171,227	\$0	\$171,227	347.50	1,354	1,354	\$0	\$171,579	\$171,579	\$0	\$0	
Central Park 175 Standard	0.0875	\$117.25	\$117.48	0.2%	\$123.12	864	864	\$101,294	\$0	\$101,294	347.50	864	864	\$0	\$101,493	\$101,493	\$0	\$0	
Coach 100 Standard	0.0875	\$74.25	\$74.40	0.2%	\$73.44	1,299	1,299	\$96,463	\$0	\$96,463	347.50	1,299	1,299	\$0	\$96,658	\$96,658	\$0	\$0	
Coach 150 Standard	0.0875	\$57.41	\$57.48	0.1%	\$73.44	179	179	\$10,276	\$0	\$10,276	347.50	179	179	\$0	\$10,289	\$10,289	\$0	\$0	
Coach 175 Standard	0.0875	\$74.25	\$74.40	0.2%	\$73.44	20	20	\$1,148	\$0	\$1,148	347.50	20	20	\$0	\$1,150	\$1,150	\$0	\$0	
Coach 70 Standard	0.0875	\$74.25	\$74.40	0.2%	\$73.44	1,897	1,897	\$140,852	\$0	\$140,852	347.50	1,897	1,897	\$0	\$141,137	\$141,137	\$0	\$0	
Contemporary 100 Obsolete	0.0875	\$79.27	\$79.44	0.2%	\$77.64	192	192	\$15,220	\$0	\$15,220	347.50	192	192	\$0	\$15,252	\$15,252	\$0	\$0	
Contemporary 150 Obsolete	0.0875	\$79.27	\$79.44	0.2%	\$77.64	163	163	\$12,934	\$0	\$12,934	347.50	163	163	\$0	\$12,962	\$12,962	\$0	\$0	
Contemporary 175 Obsolete	0.0875	\$64.66	\$64.80	0.2%	\$77.64	24	24	\$1,552	\$0	\$1,552	347.50	24	24	\$0	\$1,555	\$1,555	\$0	\$0	
Contemporary 250 Obsolete	0.0875	\$64.66	\$64.80	0.2%	\$77.64	24	24	\$1,552	\$0	\$1,552	347.50	24	24	\$0	\$1,555	\$1,555	\$0	\$0	
Contemporary, 400 Obsolete	0.0875	\$80.00	\$80.16	0.2%	\$77.64	-	-	\$0	\$0	\$0	347.50	-	-	\$0	\$0	\$0	\$0	\$0	
Delaware Park 175 Standard	0.0875	\$190.34	\$190.68	0.2%	\$190.68	295	295	\$58,755	\$0	\$58,755	347.50	295	295	\$0	\$58,856	\$58,856	\$0	\$0	
Delaware Park 250 Standard	0.0875	\$190.34	\$190.68	0.2%	\$190.68	251	251	\$49,935	\$0	\$49,935	347.50	251	251	\$0	\$50,020	\$50,020	\$0	\$0	
Delaware Park 400 Standard	0.0875	\$246.07	\$246.60	0.2%	\$246.60	1,056	1,056	\$259,952	\$0	\$259,952	347.50	1,056	1,056	\$0	\$260,512	\$260,512	\$0	\$0	
Delaware Park, Pedestrian 100 Standard	0.0875	\$169.49	\$169.80	0.2%	\$168.96	850	850	\$209,036	\$0	\$209,036	347.50	850	850	\$0	\$209,487	\$209,487	\$0	\$0	
Delaware Park, Pedestrian 175 Standard	0.0875	\$199.34	\$199.68	0.2%	\$198.96	91	91	\$15,424	\$0	\$15,424	347.50	91	91	\$0	\$15,452	\$15,452	\$0	\$0	
Delaware Park Pedestrian 70 Standard	0.0875	\$166.64	\$166.92	0.2%	\$168.96	13	13	\$2,591	\$0	\$2,591	347.50	13	13	\$0	\$2,596	\$2,596	\$0	\$0	
Edison 70 Standard	0.0875	\$85.26	\$85.44	0.2%	\$78.96	240	240	\$39,994	\$0	\$39,994	347.50	240	240	\$0	\$40,061	\$40,061	\$0	\$0	
Edison 70 Standard	0.0875	\$85.26	\$85.44	0.2%	\$78.96	125	125	\$10,658	\$0	\$10,658	347.50	125	125	\$0	\$10,680	\$10,680	\$0	\$0	

Description	Present T&D rate Proposed T&D rate <i>0.83%/increase</i>	Present Facility Class	Billed Warts per Lamp	Leap Yr = 1, NonLeap Yr = 0				Use Group Tariff Prices				Service Classification No. 2 - Street Lighting (Company Owned and Maintained)				Rate Year 1 Revenue at Present and Proposed Rates				NIAGARA MOHAWK POWER CORPORATION db/a NATIONAL GRID P.S.C. No. 214 ELECTRICITY											
				Present Annual Facility Price		Proposed Annual Facility Price		Percent Change Facility Price		Use Group Combined Price		2016 Avg Units Billed		Present Annual Revenue		Proposed Annual Revenue		Present Annual Revenue		Proposed Annual Revenue		FY18 Avg Est Units		LED Conversion On		33.7%		LED Facility %		0.4%	
				(e)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)	(y)	(z)	(aa)	(ab)	(ac)
Edison 100 Standard		Standard		\$85.26	\$85.44	0.2%	\$ 78.96	\$0	\$106,952	\$106,952	\$106,952	1,254	1,254	\$0	\$0	\$106,952	\$106,952	\$106,952	\$106,952	1,254	1,254	-	-	\$0	\$0	\$107,177	\$107,177	\$107,177	\$107,177		
Edison 150 Standard		Standard		\$67.63	\$67.80	0.3%	\$ 78.96	\$0	\$54,611	\$54,611	\$54,611	808	808	\$0	\$0	\$54,611	\$54,611	\$54,611	\$54,611	808	808	-	-	\$0	\$0	\$54,749	\$54,749	\$54,749	\$54,749		
Edgewater 100 Standard		Standard		\$131.61	\$131.88	0.2%	\$ 134.64	\$0	\$95,519	\$95,519	\$95,519	756	756	\$0	\$0	\$95,519	\$95,519	\$95,519	\$95,519	756	756	-	-	\$0	\$0	\$97,723	\$97,723	\$97,723	\$97,723		
Edgewater 150 Standard		Standard		\$137.40	\$137.64	0.2%	\$ 134.64	\$0	\$72,948	\$72,948	\$72,948	531	531	\$0	\$0	\$72,948	\$72,948	\$72,948	\$72,948	531	531	-	-	\$0	\$0	\$73,075	\$73,075	\$73,075	\$73,075		
Floodlight 250 Standard		Standard		\$58.42	\$58.56	0.2%	\$ 60.48	\$0	\$19,007	\$19,007	\$19,007	138	138	\$0	\$0	\$19,007	\$19,007	\$19,007	\$19,007	138	138	-	-	\$0	\$0	\$19,040	\$19,040	\$19,040	\$19,040		
Floodlight 400 Standard		Standard		\$61.49	\$61.56	0.1%	\$ 60.48	\$0	\$16,401	\$16,401	\$16,401	281	281	\$0	\$0	\$16,401	\$16,401	\$16,401	\$16,401	281	281	-	-	\$0	\$0	\$16,441	\$16,441	\$16,441	\$16,441		
Floodlight 1000 Standard		Standard		\$61.49	\$61.56	0.1%	\$ 60.48	\$0	\$30,591	\$30,591	\$30,591	498	498	\$0	\$0	\$30,591	\$30,591	\$30,591	\$30,591	498	498	-	-	\$0	\$0	\$30,626	\$30,626	\$30,626	\$30,626		
Franklin Square, 250 Closed		Closed		\$128.89	\$129.12	0.2%	\$ 136.80	\$0	\$0	\$0	\$0	4	4	\$0	\$0	\$0	\$0	\$0	\$0	4	4	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Franklin Square, 100 Closed		Closed		\$136.52	\$136.80	0.2%	\$ 136.80	\$0	\$15,427	\$15,427	\$15,427	113	113	\$0	\$0	\$15,427	\$15,427	\$15,427	\$15,427	113	113	-	-	\$0	\$0	\$15,458	\$15,458	\$15,458	\$15,458		
Franklin Square, 150 Closed		Closed		\$136.52	\$136.80	0.2%	\$ 136.80	\$0	\$31,946	\$31,946	\$31,946	234	234	\$0	\$0	\$31,946	\$31,946	\$31,946	\$31,946	234	234	-	-	\$0	\$0	\$32,011	\$32,011	\$32,011	\$32,011		
Franklin Square, 175 Closed		Closed		\$102.97	\$103.20	0.2%	\$ 103.20	\$0	\$785	\$785	\$785	6	6	\$0	\$0	\$785	\$785	\$785	\$785	6	6	-	-	\$0	\$0	\$787	\$787	\$787	\$787		
Globe, 150 Closed		Closed		\$78.99	\$79.20	0.3%	\$ 79.20	\$0	\$0	\$0	\$0	-	-	\$0	\$0	\$0	\$0	\$0	\$0	-	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Globe, 175 Closed		Closed		\$126.47	\$126.72	0.2%	\$ 126.72	\$0	\$22,596	\$22,596	\$22,596	179	179	\$0	\$0	\$22,596	\$22,596	\$22,596	\$22,596	179	179	-	-	\$0	\$0	\$22,641	\$22,641	\$22,641	\$22,641		
Little Falls - Post Top, 70 Closed		Closed		\$154.97	\$155.28	0.2%	\$ 155.28	\$0	\$12,243	\$12,243	\$12,243	79	79	\$0	\$0	\$12,243	\$12,243	\$12,243	\$12,243	79	79	-	-	\$0	\$0	\$12,267	\$12,267	\$12,267	\$12,267		
Little Falls - Teardrop, 70 Closed		Closed		\$53.65	\$53.76	0.2%	\$ 55.80	\$0	\$1,704.775	\$1,704.775	\$1,704.775	31,776	31,776	\$0	\$0	\$1,704.775	\$1,704.775	\$1,704.775	\$1,704.775	31,776	31,776	-	-	\$0	\$0	\$1,708.271	\$1,708.271	\$1,708.271	\$1,708.271		
Roadway 70 Standard		Standard		\$53.65	\$53.76	0.2%	\$ 55.80	\$0	\$3,495.649	\$3,495.649	\$3,495.649	65,157	65,157	\$0	\$0	\$3,495.649	\$3,495.649	\$3,495.649	\$3,495.649	65,157	65,157	-	-	\$0	\$0	\$3,502.816	\$3,502.816	\$3,502.816	\$3,502.816		
Roadway 100 Standard		Standard		\$54.81	\$54.96	0.3%	\$ 55.80	\$0	\$1,480.846	\$1,480.846	\$1,480.846	27,018	27,018	\$0	\$0	\$1,480.846	\$1,480.846	\$1,480.846	\$1,480.846	27,018	27,018	-	-	\$0	\$0	\$1,484.898	\$1,484.898	\$1,484.898	\$1,484.898		
Roadway 150 Standard		Standard		\$63.01	\$63.12	0.2%	\$ 55.80	\$0	\$58,966	\$58,966	\$58,966	1,076	1,076	\$0	\$0	\$58,966	\$58,966	\$58,966	\$58,966	1,076	1,076	-	-	\$0	\$0	\$59,127	\$59,127	\$59,127	\$59,127		
Roadway 250 Standard		Standard		\$63.01	\$63.12	0.2%	\$ 55.80	\$0	\$1,512,278	\$1,512,278	\$1,512,278	24,001	24,001	\$0	\$0	\$1,512,278	\$1,512,278	\$1,512,278	\$1,512,278	24,001	24,001	-	-	\$0	\$0	\$1,514,918	\$1,514,918	\$1,514,918	\$1,514,918		
Roadway 400 Standard		Standard		\$126.21	\$126.48	0.2%	\$ 126.48	\$0	\$351,194	\$351,194	\$351,194	5,574	5,574	\$0	\$0	\$351,194	\$351,194	\$351,194	\$351,194	5,574	5,574	-	-	\$0	\$0	\$351,807	\$351,807	\$351,807	\$351,807		
Seaback 250 Standard		Standard		\$104.53	\$104.76	0.2%	\$ 110.76	\$0	\$553	\$553	\$553	5	5	\$0	\$0	\$553	\$553	\$553	\$553	5	5	-	-	\$0	\$0	\$554	\$554	\$554	\$554		
Seaback 400 Standard		Standard		\$60.52	\$60.60	0.1%	\$ 66.60	\$0	\$0	\$0	\$0	-	-	\$0	\$0	\$0	\$0	\$0	\$0	-	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Shoebox 70 Standard		Standard		\$64.10	\$64.20	0.2%	\$ 66.60	\$0	\$2,105.0	\$2,105.0	\$2,105.0	425	425	\$0	\$0	\$2,105.0	\$2,105.0	\$2,105.0	\$2,105.0	425	425	-	-	\$0	\$0	\$2,114	\$2,114	\$2,114	\$2,114		
Shoebox 100 Standard		Standard		\$49.53	\$49.68	0.3%	\$ 66.60	\$0	\$20,396	\$20,396	\$20,396	237	237	\$0	\$0	\$20,396	\$20,396	\$20,396	\$20,396	237	237	-	-	\$0	\$0	\$20,441	\$20,441	\$20,441	\$20,441		
Shoebox 150 Standard		Standard		\$86.21	\$86.40	0.2%	\$ 66.60	\$0	\$10,891	\$10,891	\$10,891	126	126	\$0	\$0	\$10,891	\$10,891	\$10,891	\$10,891	126	126	-	-	\$0	\$0	\$10,915	\$10,915	\$10,915	\$10,915		
Shoebox 250 Standard		Standard		\$151.05	\$151.32	0.2%	\$ 151.32	\$0	\$2,417	\$2,417	\$2,417	16	16	\$0	\$0	\$2,417	\$2,417	\$2,417	\$2,417	16	16	-	-	\$0	\$0	\$2,421	\$2,421	\$2,421	\$2,421		
Shoebox, 1000 Closed		Closed		\$49.85	\$49.92	0.1%	\$ 49.32	\$0	\$274,578	\$274,578	\$274,578	5,508	5,508	\$0	\$0	\$274,578	\$274,578	\$274,578	\$274,578	5,508	5,508	-	-	\$0	\$0	\$274,964	\$274,964	\$274,964	\$274,964		
Traditional 100 Standard		Standard		\$39.43	\$39.48	0.1%	\$ 49.32	\$0	\$6,003	\$6,003	\$6,003	313	313	\$0	\$0	\$6,003	\$6,003	\$6,003	\$6,003	313	313	-	-	\$0	\$0	\$6,011	\$6,011	\$6,011	\$6,011		
Traditional 150 Standard		Standard		\$39.43	\$39.48	0.1%	\$ 49.32	\$0	\$90,694	\$90,694	\$90,694	1,819	1,819	\$0	\$0	\$90,694	\$90,694	\$90,694	\$90,694	1,819	1,819	-	-	\$0	\$0	\$90,821	\$90,821	\$90,821	\$90,821		
Traditional 175 Standard		Standard		\$49.85	\$49.92	0.2%	\$ 85.08	\$0	\$69,923	\$69,923	\$69,923	810	810	\$0	\$0	\$69,923	\$69,923	\$69,923	\$69,923	810	810	-	-	\$0	\$0	\$70,052	\$70,052	\$70,052	\$70,052		
Underpass 100 Standard		Standard		\$87.24	\$87.36	0.1%	\$ 85.08	\$0	\$14,155	\$14,155	\$14,155	162	162	\$0	\$0	\$14,155	\$14,155	\$14,155	\$14,155	162	162	-	-	\$0	\$0	\$14,174	\$14,174	\$14,174	\$14,174		
Underpass 150 Standard		Standard		\$82.36	\$82.56	0.2%	\$ 85.08	\$0	\$3,883	\$3,883	\$3,883	64	64	\$0	\$0	\$3,883	\$3,883	\$3,883	\$3,883	64	64	-	-	\$0	\$0	\$3,894	\$3,894	\$3,894	\$3,894		
Underpass 175 Standard		Standard		\$60.91	\$61.08	0.3%	\$ 85.08	\$0	\$0	\$0	\$0	-	-	\$0	\$0	\$0	\$0	\$0	\$0	-	-	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Underpass 250 Standard		Standard		\$84.62	\$84.84	0.3%	\$ 85.08	\$0	\$25,011	\$25,011	\$25,011	187	187	\$0	\$0	\$25,011	\$25,011	\$25,011	\$25,011	187	187	-	-	\$0	\$0	\$25,065	\$25,065	\$25,065	\$25,065		
Washington (Army Square) 100 Closed		Closed		\$133.75	\$134.04	0.2%	\$ 115.68	\$0	\$18,021	\$18,021	\$18,021	182	182	\$0	\$0	\$18,021	\$18,021	\$18,021	\$18,021	182	182	-	-	\$0	\$0	\$18,050	\$18,050	\$18,050	\$18,050		
Williamsville 100 Standard		Standard		\$99.20	\$99.36	0.2%	\$ 115.68	\$0	\$46,644	\$46,644	\$46,644	392	392	\$0	\$0	\$46,644	\$46,644	\$46,644	\$46,644	392	392	-	-	\$0	\$0	\$46,718	\$46,718	\$46,718	\$46,718		
Williamsville 150 Standard		Standard		\$119.09	\$119.28	0.2%	\$ 115.68	\$0	\$105,067	\$105,067	\$105,067	882	882	\$0	\$0	\$105,067	\$105,067	\$105,067	\$105,067	882	882	-	-	\$0	\$0	\$105,235	\$105,235	\$105,235	\$105,235		
Williamsville 175 Standard		Standard		\$99.20	\$99.36	0.2%	\$ 115.68	\$0	\$10,118	\$10,118	\$10,118	102	102	\$0	\$0	\$10,118	\$10,118	\$10,118	\$10,118	102	102	-	-	\$0	\$0	\$10,135	\$10,135	\$10,135	\$10,135		
Williamsville 70 Standard		Standard		\$177.77	\$178.08	0.2%	\$ 178.68	\$0	\$194,940	\$194,940	\$194,940	1,097	1,097	\$0	\$0	\$194,940	\$194,940	\$194,940	\$194,940	1,097	1,097	-	-	\$0	\$0	\$195,280	\$195,280	\$195,280	\$195,280		
Steel, anchor base Closed		Closed		\$181.79	\$182.16	0.2%	\$ 178.68																								

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)

Description	Present Facility Class	Present Annual Price (c)	Proposed Annual Price (d)	Percent Change Facility Price (e)	Use Group	Use Group Tariff Prices			LED Conversion On			LED Conversion On			LED Facility %			Proposed Annual Revenue (g)	
						Wtd Combined Price (f)	2016 Avg Units Billed (g)	Present Annual Revenue (h)	Present Annual T&D Revenue (i)	Present Annual Facility Revenue (j)	Present Annual Total Revenue (k)	FY18 Avg Fcst Units (m)	Proposed Annual Usage (n)	Proposed Annual T&D Revenue (o)	Proposed Annual Facility Revenue (p)	Proposed Annual Total Revenue (q)	35.7%		0.4%
UG Service cable and conduit cable only direct buried cable CR UG Circuit sect	Standard	\$118.26	\$118.44	0.2%		19,310	\$0	\$2,283,591	\$0	\$2,283,591	19,310	-	\$0	\$2,287,067	\$2,287,067	\$0	\$2,287,067		
	Standard	\$118.26	\$118.44	0.2%		17,103	\$0	\$2,022,650	\$0	\$2,022,650	17,103	-	\$0	\$2,025,729	\$2,025,729	\$0	\$2,025,729		
	Standard	\$118.26	\$118.44	0.2%		7,756	\$0	\$917,244	\$0	\$917,244	7,756	-	\$0	\$918,640	\$918,640	\$0	\$918,640		
	Standard	\$118.26	\$118.44	0.2%		-	\$0	\$0	\$0	\$0	-	-	-	\$0	\$0	\$0	\$0		
URD Service direct buried cable CR URD Circuit sect	Standard	\$87.98	\$88.20	0.3%		13,179	\$0	\$1,159,525	\$0	\$1,159,525	13,179	-	\$0	\$1,162,425	\$1,162,425	\$0	\$1,162,425		
	Standard	\$87.98	\$88.20	0.3%		-	\$0	\$0	\$0	\$0	-	-	\$0	\$0	\$0	\$0	\$0		
CONVENIENCE OUTLETS On New Metal/Composite Stand On Existing Metal/Composite Stand On Any Wood Pole Fusion Outlet - Old Obsolete	Standard	\$47.71	\$47.76	0.1%	\$53.52	1,707	\$0	\$81,429	\$0	\$81,429	1,707	-	\$0	\$81,514	\$81,514	\$0	\$81,514		
	Standard	\$65.99	\$66.12	0.2%	\$53.52	361	\$0	\$23,850	\$0	\$23,850	361	-	\$0	\$23,897	\$23,897	\$0	\$23,897		
	Standard	\$59.86	\$60.00	0.2%	\$53.52	809	\$0	\$48,442	\$0	\$48,442	809	-	\$0	\$48,555	\$48,555	\$0	\$48,555		
	Standard	\$5.55	\$5.52	-0.5%		60	\$0	\$333	\$0	\$333	60	-	\$0	\$331	\$331	\$0	\$331		
	Standard	\$0.00	\$0.00	#DIV/0!		3	\$0	\$0	\$0	\$0	3	-	\$0	\$0	\$0	\$0	\$0		
	Standard	\$0.00	\$0.00	#DIV/0!		-	\$0	\$0	\$0	\$0	-	-	\$0	\$0	\$0	\$0	\$0		
L.E.D. LL Roadway LED-A LL Roadway LED-B LL Roadway LED-C LL Roadway LED-D LL Roadway LED-E LL Roadway LED-F	Standard	\$83.83	\$83.88	0.1%	\$83.88	16,086	\$0	\$1,348,466	\$143,797	\$1,492,264	16,086	-	\$0	\$1,494,259	\$1,494,259	\$0	\$1,494,259		
	Standard	\$88.52	\$88.68	0.2%	\$88.68	15,137	\$259,809	\$1,339,936	\$1,599,745	\$1,599,745	15,137	1,676,937	\$144,988	\$1,349,271	\$1,494,259	\$0	\$1,494,259		
	Standard	\$110.09	\$110.28	0.2%	\$110.28	5,963	\$2,04,687	\$656,442	\$861,129	\$861,129	5,963	3,029,841	\$261,960	\$1,342,358	\$1,604,318	\$0	\$1,604,318		
	Standard	\$0.00	\$0.00	#DIV/0!		-	\$0	\$0	\$0	\$0	-	-	\$0	\$0	\$0	\$0	\$0		
	Standard	\$119.16	\$119.28	0.1%	\$119.28	1,454	\$109,213	\$173,306	\$282,519	\$282,519	1,454	1,273,618	\$110,117	\$173,481	\$283,598	\$0	\$283,598		
	Standard	\$0.00	\$0.00	#DIV/0!		-	\$0	\$0	\$0	\$0	-	-	\$0	\$0	\$0	\$0	\$0		
Annual S.C. 2 Non Price Exception Usage and Revenue													140,280,560	\$12,128,657	\$35,708,616	\$47,837,273			
* Annual S.C.2 Price Exception Usage and Revenue													71,610	\$6,191	\$725,702	\$729,893			
Annual S.C. 2 Total													140,352,171	\$12,134,849	\$36,434,317	\$48,567,166			
Annual S.C. 2 Non Price Exception Usage and Revenue													140,280,560	\$12,128,657	\$35,708,616	\$47,837,273			
* Annual S.C.2 Price Exception Usage and Revenue													71,610	\$6,191	\$725,702	\$729,893			
Annual S.C. 2 Total													140,352,171	\$12,134,849	\$36,434,317	\$48,567,166			
New Facility additions (no billed quantities)													TARGET REVENUE			\$12,135,201	\$48,563,304		
24 HR - LL Roadway LED-B Standard													PROPOSED MINUS TARGET			-\$352	\$3,862		
24 HR - LL Roadway LED-C Standard																\$4,214	\$3,862		
24 HR - LL Roadway LED-D Standard																0.012%			
24 HR - LL Roadway LED-E Standard																0.012%			
24 HR - LL Roadway LED-F Standard																			
													Error due to Tariff Rate rounding						

No PE Phase-Out to Retail
\$12,135,201
-\$352
\$4,214
0.012%
Error due to Tariff Rate rounding

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

Customer	Billcode-Description	Price Exception	Billed Watts per Lamp	Rate Year Facility Price (a)	Present Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Present Annual T&D Revenue (b)	Present Annual Facility Revenue (i)	Present Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY18 Units (l)	Proposed Annual T&D Revenue (m)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
AMHERST CENTRAL SCHOOL DI	FD Concrete >16'	5,243,017.740	103	215.88	\$62.11	\$69.08	11.2%	4	\$0	\$248	\$248	347.50	4	\$0	\$276	\$276
AMHERST CENTRAL SCHOOL DI	CR UG Cable & Cndt	4,356,054.170		118.44	\$97.57	\$108.51	11.2%	4	\$0	\$390	\$390		4	\$0	\$434	\$434
								Subtotal:		\$639	\$639			\$0	\$710	\$710
CHAUTAQUA UTILITY DIST	LL Open IN 1000	8,975,335.963	103	73.83908	\$73.55	\$81.80	11.2%	62.2	\$2,290	\$4,572	\$6,862	347.50	62	\$2,309	\$5,085	\$7,394
CHAUTAQUA UTILITY DIST	PL Wood OH	6,131,161.511		26.07066	\$25.97	\$28.88	11.2%	77.5	\$2,290	\$2,013	\$2,013		78	\$0	\$2,238	\$2,238
								Subtotal:	\$2,290	\$6,585	\$8,875			\$2,309	\$7,323	\$9,632
CITY OF BUFFALO	FD Concrete <=16'	6,046,143.561		215.88	\$30.49	\$33.91	11.2%	17.0	\$0	\$518	\$518		17	\$0	\$576	\$576
CITY OF BUFFALO	FD Concrete >16'	8,938,042.980		215.88	\$24.89	\$27.68	11.2%	25.3	\$0	\$631	\$631		25	\$0	\$701	\$701
CITY OF BUFFALO	FD Concrete <=16'	9,147,825.578		215.88	\$12.38	\$13.77	11.2%	14.8	\$0	\$183	\$183		15	\$0	\$203	\$203
CITY OF BUFFALO	FD Concrete >16'	2,208,850.408		215.88	\$40.86	\$45.44	11.2%	605.6	\$0	\$24,744	\$24,744		606	\$0	\$27,518	\$27,518
CITY OF BUFFALO	FD Concrete <=16'	1,461,426.714		215.88	\$51.77	\$57.58	11.2%	123.8	\$0	\$6,407	\$6,407		124	\$0	\$7,126	\$7,126
CITY OF BUFFALO	FD Concrete >16'	1,789,300.004		215.88	\$31.60	\$35.14	11.2%	583.6	\$0	\$18,441	\$18,441		584	\$0	\$20,507	\$20,507
CITY OF BUFFALO	FD Concrete <=16'	5,017,348.183		215.88	\$45.78	\$50.91	11.2%	1034.7	\$0	\$47,367	\$47,367		1035	\$0	\$52,675	\$52,675
CITY OF BUFFALO	CR UG Cable & Cndt	2,127,072.470		118.44	\$81.33	\$90.45	11.2%	124.3	\$0	\$10,112	\$10,112		124	\$0	\$11,246	\$11,246
CITY OF BUFFALO	CR UG Cable & Cndt	4,159,199.691		118.44	\$81.19	\$90.30	11.2%	17.0	\$0	\$1,380	\$1,380		17	\$0	\$1,535	\$1,535
CITY OF BUFFALO	CR UG Cable & Cndt	4,571,348.813		118.44	\$40.34	\$44.86	11.2%	2274.7	\$0	\$91,760	\$91,760		2275	\$0	\$102,042	\$102,042
CITY OF BUFFALO	CR UG Cable & Cndt	5,953,826.738		118.44	\$49.63	\$55.20	11.2%	575.2	\$0	\$28,546	\$28,546		575	\$0	\$31,749	\$31,749
CITY OF BUFFALO	CR UG Cable & Cndt	688,009.980		118.44	\$31.12	\$34.61	11.2%	155.5	\$0	\$482	\$482		16	\$0	\$536	\$536
CITY OF BUFFALO	CR UG Cable & Cndt	9,423,276.332		118.44	\$86.19	\$95.86	11.2%	1168.6	\$0	\$100,720	\$100,720		1169	\$0	\$112,020	\$112,020
CITY OF BUFFALO PRKS&REC	CR UG Cable & Cndt	9,750,049.700		118.44	\$40.34	\$44.86	11.2%	9.0	\$0	\$563	\$563		9	\$0	\$640	\$640
								Subtotal:	\$0	\$331,654	\$331,654			\$0	\$368,838	\$368,838
CITY OF SCHEENECTADY	LL Enclosed IN <500	2,514,003.640	202	97.08	\$38.55	\$42.87	11.2%	24	\$1,734	\$925	\$2,659	347.50	24	\$1,748	\$1,029	\$2,777
CITY OF SCHEENECTADY	SD Steel >=16' AB PT	9,057,251.892		111.96	\$21.25	\$23.63	11.2%	24	\$0	\$510	\$510		24	\$0	\$567	\$567
CITY OF SCHEENECTADY	FD Concrete <=16'	119,391.034		215.88	\$30.32	\$33.72	11.2%	24	\$0	\$728	\$728		24	\$0	\$809	\$809
CITY OF SCHEENECTADY	CR UG Cable & Cndt	923,523.835		118.44	\$81.20	\$90.31	11.2%	24	\$0	\$1,949	\$1,949		24	\$0	\$2,167	\$2,167
								Subtotal:	\$1,734	\$4,112	\$5,845			\$1,748	\$4,573	\$6,321
CITY OF SYRACUSE DPW	SD Steel <=16' AB PT	3,793,634.146		111.96	\$13.60	\$15.13	11.3%	495.0	\$0	\$6,732	\$6,732		495	\$0	\$7,489	\$7,489
CITY OF SYRACUSE DPW	SD Steel >16' AB	7,967,450.484		280.88	\$54.02	\$60.08	11.2%	11.0	\$0	\$594	\$594		11	\$0	\$661	\$661
CITY OF SYRACUSE DPW	SD Alum Amory Sq AB	6,396,732.077		336.12	\$11.30	\$12.51	11.3%	1.0	\$0	\$14	\$14		1	\$0	\$15	\$15
CITY OF SYRACUSE DPW	FD Concrete <=16'	3,332,548.425		215.88	\$19.46	\$21.64	11.2%	503.0	\$0	\$9,788	\$9,788		503	\$0	\$10,885	\$10,885
CITY OF SYRACUSE DPW	FD Concrete <=16'	9,725,348.453		215.88	\$19.96	\$22.20	11.2%	51.0	\$0	\$1,018	\$1,018		51	\$0	\$1,132	\$1,132
CITY OF SYRACUSE DPW	FD Concrete >16'	2,454,895.558		215.88	\$83.64	\$93.02	11.2%	11.0	\$0	\$920	\$920		11	\$0	\$1,023	\$1,023
CITY OF SYRACUSE DPW	CR UG Cable & Cndt	752,702.727		118.44	\$55.94	\$62.21	11.2%	510.3	\$0	\$28,543	\$28,543		510	\$0	\$31,743	\$31,743
CITY OF SYRACUSE DPW	CR UG Cable & Cndt	8,032,131.921		118.44	\$53.16	\$59.12	11.2%	48.6	\$0	\$2,583	\$2,583		49	\$0	\$2,872	\$2,872
								Subtotal:	\$0	\$50,192	\$50,192			\$0	\$55,821	\$55,821
CITY OF UTICA DPW	LL Enclosed IN 4000	805,054.350	327	100.08	\$35.95	\$39.98	11.2%	8	\$935	\$288	\$1,223	347.50	8	\$943	\$320	\$1,263
CITY OF UTICA DPW	SD Steel >16' AB	8,996,557.075		280.88	\$34.50	\$38.37	11.2%	8	\$0	\$276	\$276		8	\$0	\$307	\$307
CITY OF UTICA DPW	FD Concrete >16'	2,978,195.981		215.88	\$53.41	\$59.40	11.2%	8	\$0	\$427	\$427		8	\$0	\$475	\$475
CITY OF UTICA DPW	CR UG Cable & Cndt	8,212,261.222		118.44	\$83.95	\$93.37	11.2%	8	\$0	\$672	\$672		8	\$0	\$747	\$747
								Subtotal:	\$935	\$1,662	\$2,598			\$943	\$1,849	\$2,792
MUSEUM OF SCIENCE & TEC	FD Concrete <=16'	9,761,380.833		215.88	\$33.87	\$37.67	11.2%	4	\$0	\$135	\$135		4	\$0	\$151	\$151
MUSEUM OF SCIENCE & TEC	CR UG Cable & Cndt	6,113,511.345		118.44	\$129.79	\$144.35	11.2%	4	\$0	\$519	\$519		4	\$0	\$577	\$577
								Subtotal:	\$0	\$655	\$655			\$0	\$728	\$728
TOWN OF AMHERST	CR UG Cable & Cndt	1,198,891.209		118.44	\$64.32	\$71.53	11.2%	37	\$0	\$2,380	\$2,380		37	\$0	\$2,647	\$2,647
TOWN OF AMHERST	CR UG Cable & Cndt	40,907.619		118.44	\$64.32	\$71.53	11.2%	26	\$0	\$1,672	\$1,672		26	\$0	\$1,860	\$1,860
TOWN OF AMHERST	CR UG Cable & Cndt	8,598,118.892		118.44	\$64.32	\$71.53	11.2%	17	\$0	\$1,093	\$1,093		17	\$0	\$1,216	\$1,216
TOWN OF AMHERST	FD Concrete <=16'	1,259,621.896		215.88	\$27.32	\$30.38	11.2%	239	\$0	\$15,372	\$15,372		239	\$0	\$17,096	\$17,096
TOWN OF AMHERST	FD Concrete >16'	5,059,173.002		215.88	\$80.91	\$89.11	11.2%	4	\$0	\$109	\$109		4	\$0	\$122	\$122
TOWN OF AMHERST	CR UG Cable & Cndt	159,784.008		118.44	\$72.75	\$80.91	11.2%	4	\$0	\$291	\$291		4	\$0	\$324	\$324
TOWN OF AMHERST	CR UG Cable & Cndt	4,693,984.849		118.44	\$64.32	\$71.53	11.2%	28	\$0	\$1,801	\$1,801		28	\$0	\$2,003	\$2,003
TOWN OF AMHERST	CR UG Cable & Cndt	5,186,832.478		118.44	\$64.32	\$71.53	11.2%	74	\$0	\$4,760	\$4,760		74	\$0	\$5,293	\$5,293
TOWN OF AMHERST	CR UG Cable & Cndt	8,553,921.449		118.44	\$64.32	\$71.53	11.2%	21	\$0	\$1,351	\$1,351		21	\$0	\$1,502	\$1,502
TOWN OF AMHERST	CR UG Cable & Cndt	6,092,628.736		118.44	\$64.32	\$71.53	11.2%	16	\$0	\$1,029	\$1,029		16	\$0	\$1,144	\$1,144
TOWN OF AMHERST	CR UG Cable & Cndt	8,015,098.590		118.44	\$64.32	\$71.53	11.2%	8	\$0	\$515	\$515		8	\$0	\$572	\$572
TOWN OF AMHERST	CR UG Cable & Cndt	3,826,074.801		118.44	\$64.32	\$71.53	11.2%	6	\$0	\$386	\$386		6	\$0	\$429	\$429
TOWN OF AMHERST	CR UG Cable & Cndt	5,509,224.592		118.44	\$64.32	\$71.53	11.2%	20	\$0	\$1,286	\$1,286		20	\$0	\$1,431	\$1,431

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
0.08575
Proposed T&D rate
0.08646

Customer	Billcode-Description	Price Exception	Billed Rate Year		Present Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change (e)	2016 Avg Units Billed (f)	Non Leap Yr Burns (k)	FY18 Units (l)	Proposed Annual Revenue (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
			Watts per Lamp (a)	Retail Facility Price (b)										
TOWN OF AMHERST	CR UG Cable & Cndt	9,684,811,658	118.44	118.44	\$64.32	\$71.53	11.2%	17		17	\$0	\$0	\$1,216	\$1,216
TOWN OF AMHERST	CR UG Cable & Cndt	9,054,181,941	118.44	118.44	\$64.32	\$71.53	11.2%	21		21	\$0	\$0	\$1,502	\$1,502
TOWN OF AMHERST	CR UG Cable & Cndt	8,288,911,599	118.44	118.44	\$64.32	\$71.53	11.2%	14		14	\$0	\$0	\$1,001	\$1,001
TOWN OF AMHERST	CR UG Cable & Cndt	4,122,982,749	118.44	118.44	\$64.32	\$71.53	11.2%	29		29	\$0	\$0	\$2,074	\$2,074
TOWN OF AMHERST	CR UG Cable & Cndt	2,383,157,341	118.44	118.44	\$64.32	\$71.53	11.2%	22		22	\$0	\$0	\$1,157	\$1,157
TOWN OF AMHERST	CR UG Cable & Cndt	1,819,291,823	118.44	118.44	\$64.32	\$71.53	11.2%	2		2	\$0	\$0	\$143	\$143
TOWN OF AMHERST	FD Concrete >16'	3,598,117,791	215.88	215.88	\$27.32	\$30.38	11.2%	20		20	\$0	\$0	\$608	\$608
TOWN OF AMHERST	CR UG Cable & Cndt	959,770,108	118.44	118.44	\$72.75	\$80.91	11.2%	20		20	\$0	\$0	\$1,618	\$1,618
TOWN OF AMHERST	FD Concrete >16'	1,186,852,478	215.88	215.88	\$27.32	\$30.38	11.2%	13		13	\$0	\$0	\$395	\$395
TOWN OF AMHERST	CR UG Cable & Cndt	4,969,406,205	118.44	118.44	\$72.75	\$80.91	11.2%	13		13	\$0	\$0	\$1,052	\$1,052
TOWN OF AMHERST	FD Concrete >16'	5,321,916,719	215.88	215.88	\$27.32	\$30.38	11.2%	37		37	\$0	\$0	\$1,124	\$1,124
TOWN OF AMHERST	CR UG Cable & Cndt	5,785,461,464	118.44	118.44	\$72.75	\$80.91	11.2%	37		37	\$0	\$0	\$2,994	\$2,994
TOWN OF AMHERST	CR UG Cable & Cndt	3,863,774,947	118.44	118.44	\$64.32	\$71.53	11.2%	22		22	\$0	\$0	\$1,574	\$1,574
TOWN OF AMHERST	CR UG Cable & Cndt	1,001,976,419	118.44	118.44	\$64.32	\$71.53	11.2%	23		23	\$0	\$0	\$1,645	\$1,645
TOWN OF AMHERST	FD Concrete >16'	3,178,546,595	215.88	215.88	\$27.32	\$30.38	11.2%	10		10	\$0	\$0	\$304	\$304
TOWN OF AMHERST	CR UG Cable & Cndt	3,870,870,318	118.44	118.44	\$72.75	\$80.91	11.2%	10		10	\$0	\$0	\$809	\$809
TOWN OF AMHERST	FD Concrete >16'	5,423,709,947	215.88	215.88	\$27.32	\$30.38	11.2%	15		15	\$0	\$0	\$456	\$456
TOWN OF AMHERST	CR UG Cable & Cndt	9,396,458,974	118.44	118.44	\$72.75	\$80.91	11.2%	15		15	\$0	\$0	\$1,214	\$1,214
TOWN OF AMHERST	FD Concrete >16'	2,973,199,251	215.88	215.88	\$27.32	\$30.38	11.2%	5		5	\$0	\$0	\$152	\$152
TOWN OF AMHERST	CR UG Cable & Cndt	5,616,411,684	118.44	118.44	\$72.75	\$80.91	11.2%	5		5	\$0	\$0	\$405	\$405
TOWN OF AMHERST	FD Concrete >16'	8,626,110,861	215.88	215.88	\$27.32	\$30.38	11.2%	5		5	\$0	\$0	\$152	\$152
TOWN OF AMHERST	CR UG Cable & Cndt	6,430,560,905	118.44	118.44	\$72.75	\$80.91	11.2%	5		5	\$0	\$0	\$405	\$405
TOWN OF AMHERST	FD Concrete >16'	9,002,641,036	215.88	215.88	\$27.32	\$30.38	11.2%	32		32	\$0	\$0	\$972	\$972
TOWN OF AMHERST	CR UG Cable & Cndt	7,120,076,700	118.44	118.44	\$72.75	\$80.91	11.2%	32		32	\$0	\$0	\$2,589	\$2,589
TOWN OF AMHERST	CR UG Cable & Cndt	8,401,406,914	118.44	118.44	\$64.32	\$71.53	11.2%	50		50	\$0	\$0	\$3,577	\$3,577
TOWN OF AMHERST	CR UG Cable & Cndt	2,401,138,221	118.44	118.44	\$64.32	\$71.53	11.2%	18		18	\$0	\$0	\$1,288	\$1,288
TOWN OF AMHERST	CR UG Cable & Cndt	4,847,415,974	118.44	118.44	\$64.32	\$71.53	11.2%	19		19	\$0	\$0	\$1,359	\$1,359
TOWN OF AMHERST	FD Concrete >16'	2,449,189,902	215.88	215.88	\$27.32	\$30.38	11.2%	17		17	\$0	\$0	\$516	\$516
TOWN OF AMHERST	CR UG Cable & Cndt	8,593,764,057	118.44	118.44	\$72.75	\$80.91	11.2%	17		17	\$0	\$0	\$1,375	\$1,375
TOWN OF AMHERST	CR UG Cable Only	5,055,312,853	118.44	118.44	\$15.84	\$17.62	11.2%	36		36	\$0	\$0	\$634	\$634
TOWN OF AMHERST	FD Concrete >16'	6,812,667,422	215.88	215.88	\$27.32	\$30.38	11.2%	10		10	\$0	\$0	\$304	\$304
TOWN OF AMHERST	CR UG Cable & Cndt	2,044,788,767	118.44	118.44	\$72.75	\$80.91	11.2%	10		10	\$0	\$0	\$809	\$809
TOWN OF AMHERST	CR UG Cable & Cndt	5,036,500,765	118.44	118.44	\$64.32	\$71.53	11.2%	13		13	\$0	\$0	\$930	\$930
TOWN OF AMHERST	FD Concrete >16'	4,344,224,942	215.88	215.88	\$27.32	\$30.38	11.2%	11		11	\$0	\$0	\$334	\$334
TOWN OF AMHERST	CR UG Cable & Cndt	8,306,448,664	118.44	118.44	\$72.75	\$80.91	11.2%	11		11	\$0	\$0	\$890	\$890
TOWN OF AMHERST	FD Concrete >16'	9,864,202,652	215.88	215.88	\$27.32	\$30.38	11.2%	7		7	\$0	\$0	\$213	\$213
TOWN OF AMHERST	CR UG Cable & Cndt	5,977,593,395	118.44	118.44	\$72.75	\$80.91	11.2%	7		7	\$0	\$0	\$566	\$566
TOWN OF AMHERST	FD Concrete >16'	2,270,561,615	215.88	215.88	\$27.32	\$30.38	11.2%	9		9	\$0	\$0	\$273	\$273
TOWN OF AMHERST	CR UG Cable & Cndt	1,611,213,912	118.44	118.44	\$72.75	\$80.91	11.2%	9		9	\$0	\$0	\$728	\$728
TOWN OF AMHERST	FD Concrete >16'	7,381,334,533	215.88	215.88	\$27.32	\$30.38	11.2%	5		5	\$0	\$0	\$152	\$152
TOWN OF AMHERST	CR UG Cable & Cndt	1,791,555,525	118.44	118.44	\$72.75	\$80.91	11.2%	5		5	\$0	\$0	\$405	\$405
TOWN OF AMHERST	FD Concrete >16'	6,591,623,476	215.88	215.88	\$27.32	\$30.38	11.2%	8		8	\$0	\$0	\$243	\$243
TOWN OF AMHERST	CR UG Cable & Cndt	9,938,501,756	118.44	118.44	\$72.75	\$80.91	11.2%	8		8	\$0	\$0	\$647	\$647
TOWN OF AMHERST	FD Concrete >16' HD	9,519,818,398	215.88	215.88	\$27.32	\$30.38	11.2%	24		24	\$0	\$0	\$729	\$729
TOWN OF AMHERST	CR UG Cable & Cndt	6,263,416,544	118.44	118.44	\$72.75	\$80.91	11.2%	24		24	\$0	\$0	\$1,942	\$1,942
TOWN OF AMHERST	FD Concrete >16'	7,972,790,067	215.88	215.88	\$27.32	\$30.38	11.2%	11		11	\$0	\$0	\$334	\$334
TOWN OF AMHERST	CR UG Cable & Cndt	858,637,796	118.44	118.44	\$72.75	\$80.91	11.2%	11		11	\$0	\$0	\$890	\$890
TOWN OF AMHERST	FD Concrete >16' HD	6,030,397,413	215.88	215.88	\$27.32	\$30.38	11.2%	5		5	\$0	\$0	\$152	\$152
TOWN OF AMHERST	CR UG Cable & Cndt	9,442,246,922	118.44	118.44	\$72.75	\$80.91	11.2%	5		5	\$0	\$0	\$405	\$405
TOWN OF AMHERST	FD Concrete >16' HD	9,372,436,534	215.88	215.88	\$27.32	\$30.38	11.2%	21		21	\$0	\$0	\$638	\$638
TOWN OF AMHERST	CR UG Cable & Cndt	7,342,910,720	118.44	118.44	\$72.75	\$80.91	11.2%	21		21	\$0	\$0	\$1,699	\$1,699
TOWN OF AMHERST	FD Concrete >16'	7,006,920,700	215.88	215.88	\$27.32	\$30.38	11.2%	10		10	\$0	\$0	\$304	\$304
TOWN OF AMHERST	CR UG Cable & Cndt	2,146,282,972	118.44	118.44	\$72.75	\$80.91	11.2%	10		10	\$0	\$0	\$809	\$809
TOWN OF AMHERST	FD Concrete >16'	3,388,225,492	215.88	215.88	\$27.32	\$30.38	11.2%	15		15	\$0	\$0	\$456	\$456
TOWN OF AMHERST	CR UG Cable & Cndt	5,258,665,596	118.44	118.44	\$72.75	\$80.91	11.2%	15		15	\$0	\$0	\$1,214	\$1,214
TOWN OF AMHERST	FD Concrete >16'	7,841,872,428	215.88	215.88	\$27.32	\$30.38	11.2%	7		7	\$0	\$0	\$213	\$213
TOWN OF AMHERST	CR UG Cable & Cndt	3,961,986,629	118.44	118.44	\$72.75	\$80.91	11.2%	7		7	\$0	\$0	\$566	\$566
TOWN OF AMHERST	FD Concrete >16'	7,059,792,008	215.88	215.88	\$27.32	\$30.38	11.2%	14		14	\$0	\$0	\$425	\$425
TOWN OF AMHERST	CR UG Cable & Cndt	6,082,963,339	118.44	118.44	\$72.75	\$80.91	11.2%	14		14	\$0	\$0	\$1,133	\$1,133
TOWN OF AMHERST	FD Concrete >16' HD	7,282,929,339	215.88	215.88	\$27.32	\$30.38	11.2%	5		5	\$0	\$0	\$152	\$152
TOWN OF AMHERST	CR UG Cable & Cndt	8,376,415,574	118.44	118.44	\$72.75	\$80.91	11.2%	5		5	\$0	\$0	\$405	\$405
TOWN OF AMHERST	FD Concrete >16'	8,235,648,956	215.88	215.88	\$27.32	\$30.38	11.2%	6		6	\$0	\$0	\$182	\$182
TOWN OF AMHERST	CR UG Cable & Cndt	5,687,709,387	118.44	118.44	\$72.75	\$80.91	11.2%	6		6	\$0	\$0	\$485	\$485
TOWN OF AMHERST	FD Concrete >16' HD	4,202,773,657	215.88	215.88	\$27.32	\$30.38	11.2%	8		8	\$0	\$0	\$243	\$243

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 0.08575
Proposed T&D rate 0.08646

Customer	Billcode-Description	Price Exception	Billed Rate Year	Present Annual Facility Price	Proposed Annual Facility Price	Percent Annual Change	2016 Avg Units Billed	Present Annual Usage	Non Leap Yr Burns	FY18 Fest Units	Proposed Annual Usage	Proposed Annual T&D Revenue	Proposed Annual Facility Revenue	Proposed Annual Total Revenue
			(a)	(b)	(c)	(d)	(f)	(g)	(k)	(l)	(m)	(n)	(o)	(p)
TOWN OF AMHERST	CR UG Cable & Cndt	7,726,467,374	118.44	\$72.75	\$80.91	11.2%	8	\$0		8		\$0	\$647	\$647
TOWN OF AMHERST	FD Concrete <=16'	1,744,000,650	215.88	\$27.32	\$30.38	11.2%	35	\$0		35		\$0	\$1,063	\$1,063
TOWN OF AMHERST	CR UG Cable & Cndt	5,645,248,952	118.44	\$72.75	\$80.91	11.2%	35	\$2,546		35		\$0	\$2,832	\$2,832
TOWN OF AMHERST	FD Concrete >16'	5,972,606,736	215.88	\$27.32	\$30.38	11.2%	9	\$0		9		\$0	\$273	\$273
TOWN OF AMHERST	CR UG Cable & Cndt	7,982,962,549	118.44	\$72.75	\$80.91	11.2%	9	\$0		9		\$0	\$728	\$728
TOWN OF AMHERST	FD Concrete >16'	5,707,647,186	215.88	\$27.32	\$30.38	11.2%	3	\$0		3		\$0	\$91	\$91
TOWN OF AMHERST	CR UG Cable & Cndt	1,733,286,442	118.44	\$72.75	\$80.91	11.2%	3	\$0		3		\$0	\$243	\$243
TOWN OF AMHERST	FD Concrete >16'	5,299,394,404	215.88	\$27.32	\$30.38	11.2%	3	\$0		3		\$0	\$91	\$91
TOWN OF AMHERST	CR UG Cable & Cndt	451,736,027	118.44	\$72.75	\$80.91	11.2%	3	\$0		3		\$0	\$243	\$243
TOWN OF AMHERST	FD Concrete <=16'	5,185,829,268	215.88	\$27.32	\$30.38	11.2%	8	\$0		8		\$0	\$243	\$243
TOWN OF AMHERST	CR UG Cable & Cndt	1,259,611,207	118.44	\$72.75	\$80.91	11.2%	8	\$0		8		\$0	\$647	\$647
TOWN OF AMHERST	FD Concrete >16'	3,848,447,984	215.88	\$27.32	\$30.38	11.2%	6	\$0		6		\$0	\$182	\$182
TOWN OF AMHERST	CR UG Cable & Cndt	9,356,102,071	118.44	\$72.75	\$80.91	11.2%	6	\$0		6		\$0	\$485	\$485
TOWN OF AMHERST	FD Concrete <=16'	3,498,700,697	215.88	\$27.32	\$30.38	11.2%	14	\$0		14		\$0	\$425	\$425
TOWN OF AMHERST	CR UG Cable & Cndt	8,033,986,839	118.44	\$72.75	\$80.91	11.2%	14	\$0		14		\$0	\$1,133	\$1,133
TOWN OF AMHERST	FD Concrete >16'	2,544,525,945	215.88	\$27.32	\$30.38	11.2%	6	\$0		6		\$0	\$182	\$182
TOWN OF AMHERST	CR UG Cable & Cndt	9,330,884,808	118.44	\$72.75	\$80.91	11.2%	6	\$0		6		\$0	\$485	\$485
TOWN OF AMHERST	FD Concrete >16'	9,310,077,600	215.88	\$27.32	\$30.38	11.2%	13	\$0		13		\$0	\$395	\$395
TOWN OF AMHERST	CR UG Cable & Cndt	1,411,177,711	118.44	\$72.75	\$80.91	11.2%	13	\$0		13		\$0	\$1,052	\$1,052
TOWN OF AMHERST	FD Concrete >16'	128,925,989	215.88	\$27.32	\$30.38	11.2%	12	\$0		12		\$0	\$365	\$365
TOWN OF AMHERST	CR UG Cable & Cndt	3,924,127,941	118.44	\$72.75	\$80.91	11.2%	12	\$0		12		\$0	\$971	\$971
			Subtotal:		\$0	\$92,627		\$92,627				\$0	\$103,011	\$103,011
TOWN OF QUEENSBURY	SD Steel <=16' AB PT	8,546,322,273	111.96	\$28.21	\$31.37	11.2%	26	\$0		26		\$0	\$816	\$816
TOWN OF QUEENSBURY	FD Concrete <=16'	7,441,083,920	215.88	\$40.36	\$44.89	11.2%	26	\$0		26		\$0	\$1,167	\$1,167
TOWN OF QUEENSBURY	CR UG Cable & Cndt	2,587,220,482	118.44	\$107.71	\$119.79	11.2%	26	\$0		26		\$0	\$3,115	\$3,115
			Subtotal:		\$0	\$4,583		\$4,583				\$0	\$5,097	\$5,097
TOWN OF TONAWANDA	CR UG Cable & Cndt	1,344,984,259	118.44	\$69.57	\$77.37	11.2%	249	\$0		249		\$0	\$19,226	\$19,226
TOWN OF TONAWANDA	CR UG Cable & Cndt	7,484,500,155	118.44	\$68.60	\$76.29	11.2%	905	\$0		905		\$0	\$69,062	\$69,062
TOWN OF TONAWANDA	FD Concrete <=16'	7,461,048,530	215.88	\$25.76	\$28.65	11.2%	907	\$0		907		\$0	\$25,983	\$25,983
TOWN OF TONAWANDA	CR EF Cbl & Cndt/lft	9,165,906,069	0.100388	\$0.10	\$0.11	10.0%	149	\$15		149		\$0	\$16	\$16
TOWN OF TONAWANDA	FD Concrete >16'	2,916,555,565	215.88	\$25.24	\$28.07	11.2%	1	\$0		1		\$0	\$21	\$21
			Subtotal:		\$0	\$102,765		\$102,765				\$0	\$114,288	\$114,288
VILLAGE OF KENMORE	CR UG Cable & Cndt	9,602,462,524	118.44	\$43.00	\$47.82	11.2%	1048	\$0		1048		\$0	\$50,123	\$50,123
VILLAGE OF KINDERHOOK	LL Open IN 1000	455,062,850	81.37419	\$81.06	\$90.15	11.2%	30	\$12,922		30	12,922	\$1,117	\$2,712	\$3,829
VILLAGE OF KINDERHOOK	LL Open IN 1000	6,254,715,057	28.85779	\$28.84	\$32.07	11.2%	2	\$58		2	860	\$74	\$64	\$138
VILLAGE OF KINDERHOOK	CR UG Cable & Cndt	2,720,445,634	118.44	\$60.71	\$67.52	11.2%	2	\$0		2		\$0	\$135	\$135
			Subtotal:		\$13,782	\$2,618		\$3,799			13,782	\$1,192	\$2,911	\$4,103
VILLAGE OF WILLIAMSVILLE	CR UG Cable & Cndt	5,308,523,706	118.44	\$73.76	\$82.03	11.2%	103	\$0		103		\$0	\$8,429	\$8,429
			Subtotal:		\$0	\$7,579		\$7,579				\$0	\$8,429	\$8,429
			* Annual Total From Above		\$6,141	\$650,742		\$656,882			71,610	\$6,191	\$723,702	\$729,893
														Increase \$72,960

NIAGARA MOHAWK POWER CORPORATION d/b/a 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 Maintained)

Description	Billed Watts per Lamp	Price Exception	Present Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Price (e)	2016 Avg Units Billed (f)	Present Annual Usage (g)	Present Annual Revenue (h)	Present Annual Facility Revenue (i)	Non Leap Yr Burns (k)	FY18 Avg Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)	Increase (o)	0.5%	
Present T&D rate Proposed T&D rate 0.49% increase			0.05906 0.05935															
Standard <= 16 ft																		
for UG or URD Service																		
Aluminum, anchor base, Villager		9999999985	\$0.00	\$0.00	0.00%	27		\$0	\$0		27		\$0	\$0	\$0	\$0	\$0	
Fiberglass, anchor base		9999999987	\$0.00	\$0.00	0.00%	3		\$0	\$0		3		\$0	\$0	\$0	\$0	\$0	
Fiberglass, direct embedded		9999999988	\$0.00	\$0.00	0.00%	50		\$0	\$0		50		\$0	\$0	\$0	\$0	\$0	
Fiberglass, direct embedded		0	\$87.12	\$92.52	6.20%	25		\$0	\$2,178		25		\$0	\$2,178	\$0	\$2,313	\$2,313	
Decorative Standard <= 16 ft																		
for UG or URD Service																		
Aluminum, AB, Armory Square		9999999989	\$0.00	\$0.00	0.00%	728		\$0	\$0		728		\$0	\$0	\$0	\$0	\$0	
Aluminum, AB, Armory Square		0	\$316.70	\$336.12	6.13%	1		\$0	\$317		1		\$0	\$317	\$0	\$336	\$336	
FOUNDATIONS																		
Concrete--Cast-In-Place		9999999995	\$0.00	\$0.00	0.00%	253		\$0	\$0		253		\$0	\$0	\$0	\$0	\$0	
for AB standard > 16 ft		0	\$203.39	\$215.88	6.14%	2		\$0	\$407		2		\$0	\$407	\$0	\$432	\$432	
for AB standard > 16 ft		9999999994	\$0.00	\$0.00	0.00%	760		\$0	\$0		760		\$0	\$0	\$0	\$0	\$0	
for AB standard <= 16 ft		0	\$194.89	\$215.88	10.77%	1		\$0	\$195		1		\$0	\$195	\$0	\$216	\$216	
CIRCUITRY																		
UG Service																		
first 50 ft or less per pole		9999999996	\$0.00	\$0.00	0.00%	992		\$0	\$0		992		\$0	\$0	\$0	\$0	\$0	
cable and conduit		0	\$85.62	\$118.44	38.53%	2		\$0	\$171		2		\$0	\$171	\$0	\$237	\$237	
cable and conduit		9999999997	\$0.00	\$0.00	0.00%	15		\$0	\$0		15		\$0	\$0	\$0	\$0	\$0	
cable only		0																
URD Service																		
first 10 ft or less per pole		9999999998	\$0.00	\$0.00	0.00%	57		\$0	\$0		57		\$0	\$0	\$0	\$0	\$0	
direct buried cable		0	\$54.91	\$88.20	60.63%	25		\$0	\$1,373		25		\$0	\$1,373	\$0	\$2,205	\$2,205	
direct buried cable		0																
															Annual Total			
															9,032,444		\$53,456	
															2,883,540		\$170,302	
															6,148,904		\$363,154	
															\$380,644			
															Watertown			
															\$7,371		\$540,827	
															\$0		\$363,154	
															EO			
															\$0		\$363,154	
															TARGET		\$536,113	
															-537		\$1,243	
															PROPOSED MINUS TARGET			
															\$8,650		-\$544,726	
															\$8,650		\$179,789	
															\$0		\$364,937	

NIAGARA MOHAWK POWER CORPORATION db/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY

Rate Year 1 Revenue at Present and Proposed Rates
Contract Street Lighting (Customer Contributory Provisions)

hidden column used by SCSPRICES tab to get RY1 PRICE	Description	Ownership	Billed Wats per Lamp	Present Annual Facility Price (c)	Proposed Annual 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 (i)	Non Leap Yr Burns (k)	FY18 Avg Est Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)	Increase	0.4%
117629003 CENTER FOR DISABILITY SVCS																		
01 - NMP00000003	130W Company	173		\$7.29	\$7.32	0.4%	4	2,880	\$247	\$29	\$276	347.50	4	2,880	\$249	\$29	\$278	
01 - NMP0000051P	Roadway 150 Company	4		\$50.84	\$51.00	0.3%	4	\$0	\$0	\$203	\$203	\$0	4	\$0	\$0	\$204	\$204	\$0
01 - NMP0000084P	Additional Wood Pole Company	2		\$0.00	\$0.00	n/a	2	\$0	\$0	\$0	\$0	\$0	2	\$0	\$0	\$0	\$0	\$0
2433882101 CITY OF SYRACUSE DEP																		
01 - NMP00000002	100W Company	118		\$7.07	\$7.08	0.1%	44	21,648	\$1,856	\$311	\$2,167	347.50	44	21,648	\$1,872	\$312	\$2,183	
01 - NMP00000013	175W Company	211		\$5.85	\$5.88	0.5%	82	72,444	\$6,212	\$482	\$6,694	347.50	82	72,444	\$6,264	\$484	\$6,748	
01 - NMP0001055P	for anchor base standard <= 16 ft Company	3		\$194.89	\$195.72	0.4%	3	\$0	\$0	\$685	\$685	\$0	3	\$0	\$687	\$687	\$0	
01 - NMP0001099P	cable and conduit Company	126		\$85.62	\$86.04	0.5%	126	\$0	\$0	\$10,817	\$10,817	\$0	126	\$0	\$10,870	\$10,870	\$0	
01 - NMP0001177P	cable and conduit, per foot Company	1243		\$1.71	\$1.68	-1.8%	1243	\$0	\$0	\$2,126	\$2,126	\$0	1,243	\$0	\$2,089	\$2,089	\$0	
01 - NMP0001209P	Festoon Outlet - Old Company	42		\$47.67	\$47.88	0.4%	42	\$0	\$0	\$2,002	\$2,002	\$0	42	\$0	\$2,011	\$2,011	\$0	
01 - NMP0002199P	Williamsville 70 Company	12		\$99.12	\$99.60	0.5%	12	\$0	\$0	\$1,189	\$1,189	\$0	12	\$0	\$1,195	\$1,195	\$0	
01 - NMP0002207P	aluminum, anchor base, Little Falls Company	43		\$197.58	\$198.48	0.5%	43	\$0	\$0	\$8,496	\$8,496	\$0	43	\$0	\$8,535	\$8,535	\$0	
01 - NMP0003259P	Williamsville 100 Company	1		\$99.12	\$99.60	0.5%	1	\$0	\$0	\$99	\$99	\$0	1	\$0	\$100	\$100	\$0	
01 - NMP0003379P	LM Franklin Sq 100 Company	31		\$128.89	\$129.48	0.5%	31	\$0	\$0	\$3,996	\$3,996	\$0	31	\$0	\$4,014	\$4,014	\$0	
01 - NMP0003399P	LM Franklin Sq 175 Company	82		\$128.89	\$129.48	0.5%	82	\$0	\$0	\$10,612	\$10,612	\$0	82	\$0	\$10,661	\$10,661	\$0	
01 - NMP0001055P	for anchor base standard <= 16 ft Company	123		\$68.55	\$68.88	0.5%	123	\$0	\$0	\$8,432	\$8,432	\$0	123	\$0	\$8,472	\$8,472	\$0	
TOWN OF HAMLIN																		
03 - NMP00000002	100W customer	118		\$7.07	\$7.08	0.1%	6	2,952	\$253	\$42	\$296	347.50	6	2,952	\$255	\$42	\$298	
03 - NMP0000566P	Arch. (style unknown) 70/100 customer	6		\$29.74	\$29.88	0.5%	6	\$0	\$0	\$178	\$178	\$0	6	\$0	\$179	\$179	\$0	
03 - NMP0000597P	Fiberglass, anchor base customer	6		\$25.20	\$25.32	0.5%	6	\$0	\$0	\$151	\$151	\$0	6	\$0	\$152	\$152	\$0	
03 - NMP0001077P	for AB standards, all applications customer	6		\$41.65	\$41.88	0.6%	6	\$0	\$0	\$250	\$250	\$0	6	\$0	\$251	\$251	\$0	
03 - NMP0001166P	direct buried cable customer	6		\$5.23	\$5.28	1.0%	6	\$0	\$0	\$31	\$31	\$0	6	\$0	\$32	\$32	\$0	
03 - NMP0001199P	CR EF DB Cable/ft customer	284		\$0.49	\$0.48	-2.0%	284	\$0	\$0	\$139	\$139	\$0	284	\$0	\$136	\$136	\$0	
1913882104 TOWN OF HAMLIN HILLCREST SUBDIV SC5																		
03 - NMP00000002	100W customer	118		\$7.07	\$7.08	0.1%	13	6,396	\$548	\$92	\$640	347.50	13	6,396	\$553	\$92	\$645	
03 - NMP00000003	150W customer	173		\$7.29	\$7.32	0.4%	3	2,160	\$185	\$22	\$207	347.50	3	2,160	\$187	\$22	\$209	
03 - NMP0000566P	Arch. (style unknown) 70/100 customer	10		\$29.74	\$29.88	0.5%	10	\$0	\$0	\$297	\$297	\$0	10	\$0	\$299	\$299	\$0	
03 - NMP0000577P	LM Arch 150/175 customer	3		\$22.54	\$22.68	0.6%	3	\$0	\$0	\$68	\$68	\$0	3	\$0	\$68	\$68	\$0	
03 - NMP0000597P	Fiberglass, anchor base customer	16		\$25.20	\$25.32	0.5%	16	\$0	\$0	\$403	\$403	\$0	16	\$0	\$405	\$405	\$0	
03 - NMP0001055P	for anchor base standard <= 16 ft customer	12		\$73.97	\$74.28	0.4%	12	\$0	\$0	\$888	\$888	\$0	12	\$0	\$891	\$891	\$0	
03 - NMP0001077P	for AB standards, all applications customer	4		\$41.65	\$41.88	0.6%	4	\$0	\$0	\$167	\$167	\$0	4	\$0	\$168	\$168	\$0	
03 - NMP0001166P	direct buried cable customer	16		\$5.23	\$5.28	1.0%	16	\$0	\$0	\$84	\$84	\$0	16	\$0	\$84	\$84	\$0	
03 - NMP0001199P	CR EF DB Cable/ft customer	344		\$0.49	\$0.48	-2.0%	344	\$0	\$0	\$169	\$169	\$0	344	\$0	\$165	\$165	\$0	
03 - NMP0003139P	Edison 100 customer	3		\$29.74	\$29.88	0.5%	3	\$0	\$0	\$89	\$89	\$0	3	\$0	\$90	\$90	\$0	
VILLAGE OF BROCKPORT																		
03 - NMP00000001	70W customer	86		\$7.03	\$7.08	0.7%	15	5,376	\$461	\$105	\$566	347.50	15	5,376	\$465	\$106	\$571	
03 - NMP00000002	100W customer	118		\$7.07	\$7.08	0.1%	24	11,808	\$1,013	\$170	\$1,182	347.50	24	11,808	\$1,021	\$170	\$1,191	
03 - NMP00000003	150W customer	173		\$7.29	\$7.32	0.4%	15	10,824	\$928	\$109	\$1,038	347.50	15	10,824	\$936	\$110	\$1,046	
03 - NMP00000004	250W customer	304		\$7.38	\$7.44	0.8%	4	5,076	\$435	\$30	\$465	347.50	4	5,076	\$439	\$30	\$469	
03 - NMP0000329P	Floodlight 250 customer	4		\$22.01	\$22.08	0.3%	4	\$0	\$0	\$88	\$88	\$0	4	\$0	\$88	\$88	\$0	
03 - NMP0000489P	Roadway 70 customer	10		\$18.86	\$18.96	0.5%	10	\$0	\$0	\$189	\$189	\$0	10	\$0	\$190	\$190	\$0	
03 - NMP0000597P	Fiberglass, anchor base customer	44		\$25.20	\$25.32	0.5%	44	\$0	\$0	\$1,109	\$1,109	\$0	44	\$0	\$1,114	\$1,114	\$0	

NIAGARA MOHAWK POWER CORPORATION db/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY

Rate Year 1 Revenue at Present and Proposed Rates

Contract Street Lighting (Customer Contributory Provisions)

hidden column used by SC5PRICES tab to get RY1 PRICE	Proposed T&D rate 0.08575 0.83% increase	Present T&D rate 0.08646	Ownership	Billed Watts per Lamp	Description	Present Annual Facility Price		Proposed Annual Facility Price		Percent Change Facility Price	2016 Avg Units Billed	Present Annual Usage	Present Annual T&D Revenue	Present Annual Facility Revenue	Present Annual Total Revenue	Non Leap Yr Burns	FY18 Avg Fest Units	Proposed Annual Usage	Proposed Annual T&D Revenue	Proposed Annual Facility Revenue	Proposed Annual Total Revenue	Increase	0.4%
						(c)	(d)	(e)	(f)														
03 - NMP000099P			customer		Fiberglass; anchor base	\$64.82	\$65.04	\$64.82	\$64.82	0.3%	10	\$0	\$648	\$648	\$648		10	\$0	\$0	\$650	\$650	\$2	
03 - NMP000107P			customer		for AB standards, all applications	\$41.65	\$41.88	\$41.65	\$41.65	0.6%	44	\$0	\$1,833	\$1,833	\$1,833		44	\$0	\$0	\$1,843	\$1,843	\$10	
03 - NMP000110P			customer		cable only	\$7.49	\$7.56	\$7.49	\$7.49	0.9%	15	\$0	\$112	\$112	\$112		15	\$0	\$0	\$113	\$113	\$1	
03 - NMP000111P			customer		direct buried cable	\$26.09	\$26.16	\$26.09	\$26.09	0.3%	3	\$0	\$78	\$78	\$78		3	\$0	\$0	\$78	\$78	\$0	
03 - NMP000116P			customer		direct buried cable	\$5.23	\$5.28	\$5.23	\$5.23	1.0%	36	\$0	\$188	\$188	\$188		36	\$0	\$0	\$190	\$190	\$2	
03 - NMP000118P			customer		CR EF Cable Only/ft	\$0.13	\$0.12	\$0.12	\$0.12	-7.7%	425	\$0	\$55	\$55	\$55		425	\$0	\$0	\$51	\$51	-\$4	
03 - NMP000119P			customer		CR EF DB Cable/ft	\$0.49	\$0.48	\$0.48	\$0.48	-2.0%	1284	\$0	\$629	\$629	\$629		1,284	\$0	\$0	\$616	\$616	-\$13	
03 - NMP000309P			customer		Traditional 70	\$29.74	\$29.88	\$29.74	\$29.74	0.5%	5	\$0	\$149	\$149	\$149		5	\$0	\$0	\$149	\$149	\$0	
03 - NMP000315P			customer		Traditional 100	\$29.74	\$29.88	\$29.74	\$29.74	0.5%	24	\$0	\$714	\$714	\$714		24	\$0	\$0	\$717	\$717	\$3	
03 - NMP000321P			customer		Traditional 150	\$24.32	\$24.48	\$24.32	\$24.32	0.7%	15	\$0	\$365	\$365	\$365		15	\$0	\$0	\$367	\$367	\$2	
Annual Total						141,564	\$ 12,139	\$ 59,020	\$ 71,159			141,564	\$ 12,240	\$59,222	\$71,462			141,564	\$12,240	\$59,273	\$71,462	\$50	

TARGET
PROPOSED MINUS TARGET

\$12,240
\$0
-\$51

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Development of Proposed Lighting Service Charge
Service Classifications No. 2, 3, and 6

Test Year Direct Cost (1)	Inflation Factor 1 (2)	Inflation Factor 2 (3)	Rate Year Direct Cost (4)	Labor Overhead % (5)	Stores Handling % (6)	Sales Tax % (7)	Transportation Equipment Overhead % (8)	Rate Year Subtotal (9)	Capital Overhead % (10)	Supervision & Admin (11)	Rate Year Grand Total Installation Cost: (12)
\$33.76		5.707%	\$35.69	94.50%			44.71%	\$85.37	90.00%	25.0%	\$144.69
\$5.00	4.9542%		\$5.25		29.0%	7.878%		\$7.30		25.0%	\$9.13
\$38.76			\$40.93					\$92.67			\$153.82

Transportation OH % Calculation		Present Lighting Service Charge:	Proposed Change
Hourly Aerial Truck rate	\$ 15.89 (Paul Jenkins, Transportation Dep)	\$129.15	19.1%
Prorated Truck Cost	\$ 15.10 (#24 below) 90% OPC & 10% TPC		
Calculated Transp OH %	44.7%		

- (1) Cost before inflation and OH; see below for Test Year Company Labor Cost calculation.
- (2) Source: APM-11.
- (3) Source: Calculated Labor inflation Rate from Contract Years to RY
- (4) Equal to column (1), plus column (1) times the greater of columns (2) and (3)
- (5) Source: Steve Harris
- (6) 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)

Test Year Company Labor Cost Calculation

Possible Crew Type (13)	Pay Groups (first, second) (14)	Hourly Rate (15)		Hourly Rate Second Group (16)	Cost per Hour (17)	Wrench Hours (18)	Non-Productive Time Adder (19)	Total Hours (20)	Cost Before Design & Supervision (21)	Assumed Frequency of Crew Use (22)	Prorated Company Labor Cost (23)
		First Group (15)	Second Group (16)								
One person crew, Metro	19	\$37.96			\$37.96	0.50	50%	0.75	\$28.47	58.5%	\$16.65
Two person crew, Metro	19, 21	\$37.96	\$41.79		\$79.75	0.50	50%	0.75	\$59.81	6.5%	\$3.89
One person crew, Districts	ChLMAHS	\$45.98			\$45.98	0.50	50%	0.75	\$34.49	31.5%	\$10.86
Two person crew, Districts	ChLMAHS, 22	\$45.98	\$43.76		\$89.74	0.50	50%	0.75	\$67.31	3.5%	\$2.36
Sum											\$33.76

- (13) Source: Wayne Cole, OH Manager, Western New York.
- (14) Source: Wayne Cole, OH Manager, Western New York.
- (15) Source: Blue Contract Book; Wages effective 4/1/2016
- (16) Source: Blue Contract Book; Wages effective 4/1/2016
- (17) Column (15) plus column (16)
- (18) Assumption: One half hour of wrench time for typical work performed per location.
- (19) Column (18) plus the product of column (18) and column (19)
- (20) Column (20) times column (17)
- (21) Assumptions: 90% of work performed by a one-person crew; 65% performed in metro areas.
- (22) Column (21) times column (22)

Hourly Wages effective 4/1/2013 per page 242 of "Schedule of Revised Group Life Insurance" in the "Blue Contract Book"		Contract Year	Rate	Increase	Factor
One person crew, Metro	19	\$ 35.25			
Two person crew, Metro	19, 21	\$ 35.25	\$ 38.81	2.5%	1.02500
One person crew, Districts	ChLMAHS	\$ 42.70		2.5%	1.05063
Two person crew, Districts	ChLMAHS, 22	\$ 42.70	\$ 40.64	2.5%	1.07689

NIAGARA MOHAWK POWER CORPORATION d/b/a 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) Present Facility Class	(2) Billed Watts Per Lamp	(3) Annual kWh Forecast Units	(4) Percent of Total Units	(5) Proposed Annual Facility Charge	(6) Proposed Annual T&D Charge	(7) Forecast Annual Commodity Charge	(8) Forecast Delivery Adjustments	(9) Gross Receipts Tax	(10) Total Annual Charge	(11) Average Charge Per Night	(12) Prorated Average Charge Per Night
High Pressure Sodium												
70W	Standard	86	43,820	18.6%	\$8.04	\$31.04	\$12.32	\$2.48	\$0.54	\$54.42	\$0.15	\$0.02796
100W	Standard	118	82,836	35.2%	\$8.04	\$42.54	\$16.88	\$3.39	\$0.72	\$71.57	\$0.20	\$0.07047
150W	Standard	173	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	0.8%	\$8.16	\$109.63	\$43.50	\$8.74	\$1.72	\$171.75	\$0.47	\$0.05053
400W	Standard	470	1,960	2.6%	\$8.16	\$169.46	\$67.24	\$13.52	\$2.61	\$260.99	\$0.72	\$0.01884
1000W	Closed	1106	4,612	0.1%	\$16.44	\$398.75	\$158.21	\$31.80	\$6.11	\$611.31	\$1.67	\$0.00222
Metal Halide												
175W	Standard	207	863	1.0%	\$56.40	\$74.61	\$29.61	\$5.95	\$1.68	\$168.25	\$0.46	\$0.00455
250W	Standard	295	1,230	0.1%	\$56.40	\$106.35	\$42.20	\$8.48	\$2.16	\$215.59	\$0.59	\$0.00069
400W	Standard	451	1,881	0.2%	\$50.88	\$162.63	\$64.53	\$12.97	\$2.94	\$293.95	\$0.81	\$0.00196
1000W	Closed	1078	4,495	0.0%	\$54.48	\$388.64	\$154.20	\$31.00	\$6.35	\$634.67	\$1.74	\$0.00001
Mercury Vapor												
100W	Obsolete	130	542	0.3%	\$6.84	\$46.86	\$18.59	\$3.74	\$0.77	\$76.80	\$0.21	\$0.00053
175W	Obsolete	211	1,462	0.6%	\$6.84	\$76.08	\$30.19	\$6.07	\$1.20	\$120.38	\$0.33	\$0.00205
400W	Obsolete	477	1,989	0.2%	\$7.20	\$171.97	\$68.23	\$13.72	\$2.64	\$263.76	\$0.72	\$0.00114
1000W	Obsolete	1095	4,566	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	6.8%	\$83.88	\$8.99	\$3.57	\$0.72	\$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	\$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	\$162.97	\$0.45	\$0.01141
LL Roadway LED-F	Standard	210	876	1,454	0.6%	\$119.28	\$75.74	\$30.05	\$6.04	\$233.44	\$0.64	\$0.00396
		Total	235,109	100.0%				Proposed SC-2 Outage Credit per Lamp per Night:		\$0.27		
Proposed Base T&D rate (a) 0.08646												
Forecast Volumetric Delivery Adjustments (b)												
		DLM Surcharge	0.00006			Forecast Commodity Charges (2)				Days/Year		365
		Legacy Transition Charge	0.001162			Electricity Supply Cost (Weighted)		0.03075		Burn Hours/Year		4,170
		Renewable Portfolio Surcharge	0.000000			Merchant Function Charge		0.00026				
		System Benefit Charge	0.005701			Electricity Supply Reconciliation Mechanism		0.00330				
		Incremental Statement Assessment Surcharge	0.000000			Sum		0.034305				
		Transmission Revenue Adjustment	-0.000002			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

NIAGARA MOHAWK POWER CORPORATION d/b/a 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)

Dusk-to-Dawn Lamp Class	Present Facility	Billed Watts Lamp	Annual kWh Per Lamp	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
															Forecast Units
High Pressure Sodium															
70W Standard		86	359	see note	22.3%	n/a	\$21.31	\$12.32	\$2.48	\$0.36	\$36.47	\$0.10	\$0.02230		
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	\$87.66	\$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		
Total													100.0%	Proposed SC-3 Outage Credit per Lamp per Night:	\$0.19
Proposed Base T&D rate (a) 0.05935															
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															
Sum													0.00690		
Forecast Commodity Charges (2)															
Electricity Supply Cost (Weighted) 0.03075															
Merchant Function Charge 0.00026															
Electricity Supply Reconciliation Mechanism 0.00330															
Sum													0.034305		
Revenue Tax on Delivery and Commodity Bill 1.0101%															
Days/Year 365															
Burn Hours/Year 4,170															

NOTE: Since quantities are unknown in SC3, a weighted % based upon the SC2 data is used.

(a) Source: Appendix 2, Schedule 8.2a
(b) Source: Appendix 2, Schedule 8.14a

NIAGARA MOHAWK POWER CORPORATION d/b/a 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. 6 - Street Lighting (Customer Owned, Company Maintained)

	(1) Present Facility Class	(2) Billed Watts Per Lamp	(3) Annual kWh Forecast	(4) Avg Monthly Forecast Units	(5) Percent of Total Units	(6) Proposed Annual T&D Charge	(7) Forecast Annual Commodity Charge	(8) Forecast Delivery Adjustments	(9) Gross Receipts Tax	(10) Total Annual Charge	(11) Average Charge Per Night	(12) Prorated Average Charge Per Night		
													(1) Dusk-to-Dawn Lamp	(2) Annual kWh Forecast
High Pressure Sodium														
70W	Closed	86	359	4	1.0%	\$7.92	\$21.31	\$12.32	\$2.48	\$0.44	\$44.47	\$0.12	\$0.00115	
100W	Closed	118	492	194	48.4%	\$9.12	\$29.20	\$16.88	\$3.39	\$0.59	\$59.18	\$0.16	\$0.07744	
150W	Closed	173	721	58	14.5%	\$9.60	\$42.79	\$24.73	\$4.97	\$0.83	\$82.92	\$0.23	\$0.03328	
250W	Closed	304	1,268	65	16.2%	\$9.36	\$75.26	\$43.50	\$8.74	\$1.38	\$138.24	\$0.38	\$0.06162	
400W	Closed	470	1,960	17	4.2%	\$8.16	\$116.33	\$67.24	\$13.52	\$2.07	\$207.32	\$0.57	\$0.02417	
Metal Halide														
250W	Closed	295	1,230	11	2.7%	\$53.40	\$73.00	\$42.20	\$8.48	\$1.79	\$178.87	\$0.49	\$0.01345	
Mercury Vapor														
100W	Closed	130	542	52	13.0%	\$6.84	\$32.17	\$18.59	\$3.74	\$0.62	\$61.96	\$0.17	\$0.02205	
Total											401	100.0%	Proposed SC-6 Outage Credit per Lamp per Night: \$0.23	

Proposed Base T&D rate (a)	0.05935
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	-0.000002
Sum	0.00690
Revenue Tax on Delivery and Commodity Bill	1.0101%
Forecast Commodity Charges (2)	
Electricity Supply Cost (Weighted)	0.03075
Merchant Function Charge	0.00026
Electricity Supply Reconciliation Mechanism	0.00330
Sum	0.034305
Days/Year	365
Burn Hours/Year	4,170

(a) Source: Appendix 2, Schedule 8.2a
(b) Source: Appendix 2, Schedule 8.14a

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. NO. 214 ELECTRICITY
Present and Proposed Volumetric Rates for Customer Impact Analysis

RATE YEAR 1

Note	COMMODITY RATES	Rate Year 1 (FY 2019) at Present Rates			Rate Year 1 (FY 2019) at Proposed Rates			Percentage Change in Rate			
		SC-1 SC-2/Contract	SC-3 SC-3/SC-6	SC-4	SC-1 SC-2/Contract	SC-3 SC-3/SC-6	SC-4	SC-1	SC-2/Contract	SC-3/SC-6	SC-4
(1)	Electricity Supply Cost - Western	0.02666	0.02666	0.03366	0.02666	0.02666	0.03366	0.0%	0.0%	0.0%	0.0%
(1)	Electricity Supply Cost - Central	0.02629	0.02629	0.03192	0.02629	0.02629	0.03192	0.0%	0.0%	0.0%	0.0%
(1)	Electricity Supply Cost - Eastern	0.03929	0.03929	0.04443	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	0.00026	0.00026	0.00026	114.6%	114.6%	114.6%	114.6%
(3)	MFC (Merchant Function Charge %)	0.433%	0.433%	0.433%	0.697%	0.697%	0.697%	61.0%	61.0%	61.0%	61.0%
	ESRM & CESS	0.00330	0.00330	0.00330	0.00330	0.00330	0.00330	0.0%	0.0%	0.0%	0.0%
	TOTAL COMMODITY (WESTERN)	0.030195	0.030195	0.037227	0.030403	0.030403	0.037453	0.7%	0.7%	0.7%	0.6%
	TOTAL COMMODITY (CENTRAL)	0.029829	0.029829	0.035484	0.030035	0.030035	0.035706	0.7%	0.7%	0.7%	0.6%
	TOTAL COMMODITY (EASTERN)	0.042880	0.042880	0.048048	0.043121	0.043121	0.048303	0.6%	0.6%	0.6%	0.5%
	DELIVERY RATES										
(4)	Base T&D Rates	0.08787	0.08575	0.05906	0.08646	0.05935	0.01080	-1.6%	0.8%	0.5%	0.5%
(5)	DLM	0.000057	0.000057	0.000057	0.000057	0.000057	0.000057	0.0%	0.0%	0.0%	0.0%
(6)	LTC (Legacy Transition Charge)	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	0.005701	0.005701	0.005701	-24.1%	-24.1%	-24.1%	-24.1%
(8)	Clean Energy Supply - Delivery	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0%	0.0%	0.0%	0.0%
(9)	Transmission Revenue Adjustment (TRA)	-0.000098	-0.000098	-0.000098	-0.000025	-0.000025	-0.000025	0.0%	0.0%	0.0%	0.0%
	DELIVERY SUM	0.096502	0.094382	0.067692	0.093356	0.066246	0.017696	-3.3%	-1.1%	-2.1%	-8.7%
	TOTAL VOLUMETRIC RATE (WESTERN)	0.126697	0.124577	0.097887	0.123759	0.096649	0.055149	-2.3%	-0.7%	-1.3%	-2.6%
	TOTAL VOLUMETRIC RATE (CENTRAL)	0.126331	0.124211	0.097521	0.123391	0.096281	0.053401	-2.3%	-0.7%	-1.3%	-2.7%
	TOTAL VOLUMETRIC RATE (EASTERN)	0.139382	0.137262	0.110572	0.136477	0.109367	0.065998	-2.1%	-0.6%	-1.1%	-2.1%

(1) 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

	Present Usage	Present T&D	Present Facility	Present T&D Surcharges	Present Commodity	Present Total Bill	Revenue Requirement Increase	Average Percent Total Bill Increase	Increase on T&D & Facility Revenue
SC-1	21,736,230	\$1,909,963 43%	\$1,591,691 36%	\$187,627 4%	\$718,320 16%	\$4,407,600	\$17,439	0.4%	0.5%
SC-2	140,352,171	\$12,035,199 22%	\$36,287,451 67%	\$1,211,520 2%	\$4,638,235 9%	\$54,172,405	\$240,654	0.4%	0.5%
SC-3	9,032,444	\$533,456 58%	\$7,371 1%	\$77,968 8%	\$298,496 33%	\$917,291	\$2,693	0.3%	0.5%
SC-4	8,970,329	\$96,431 7%	\$841,377 62%	\$77,432 6%	\$344,779 25%	\$1,360,018	\$4,670	0.3%	0.5%
SC-5	141,564	\$12,139 16%	\$59,020 77%	\$1,222 2%	\$4,678 6%	\$77,059	\$354	0.5%	0.5%
SC-6	296,136	\$17,490 52%	\$4,025 12%	\$2,556 8%	\$9,786 29%	\$33,858	\$107	0.3%	0.5%
	180,528,874	\$ 14,604,679	\$ 38,790,937	\$ 1,558,326	\$ 6,014,295	\$ 60,968,231	\$ 265,919	0.4%	0.5%

SC1 Customer Bill Impact Analysis RY1						
			# 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%	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%	\$ -	
Totals (annual impact)			6098	100%	\$ 26	\$ 0

SC2 Customer Bill Impact Analysis RY1						
			# 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%	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 impact)			765	100%	\$ (11,637)	\$ (15)

SC3 Customer Bill Impact Analysis RY1						
			# 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%	130	100%	\$ (8,585)	\$ (66)
Decrease of	-1%	0%	0	0%	\$ -	
Increase of	0%	1%	0	0%	\$ -	
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%	\$ -	
Totals (annual impact)			130	100%	\$ (8,585)	\$ (66)

SC4 Customer Bill Impact Analysis RY1						
			# 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%	17	12.6%	\$ (3,678)	\$ (216)
Decrease of	-1%	0%	103	76.3%	\$ (6,250)	\$ (61)
Increase of	0%	1%	15	11.1%	\$ 14	\$ 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 impact)			135	100%	\$ (9,914)	\$ (73)

SC5 Customer Bill Impact Analysis RY1						
			# 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%	5	83.3%	\$ (2,334)	\$ (467)
Increase of	0%	1%	1	16.7%	\$ 66	\$ 66
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 impact)			6	100%	\$ (2,268)	\$ (378)

SC6 Customer Bill Impact Analysis RY1						
			# 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 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)

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
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 ³	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%
¹ 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%
² 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 ¹	Target Revenue	Dollar Increase	% Increase
\$53,802,627	\$53,802,627	\$141,096	0.3%

Target Rate Year Revenues

Service Class	Proposed Usage	Target T&D Rate ²	T&D Revenue	Facility Revenue	Total Revenue	Pct. of Service Class Revenue from T&D	Pct. of Total Revenue	Facility Price Increase %	Revenue Neutral SC1/SC2/Cnt T&D Revenue	Revenue Neutral SC1/SC2/Cnt 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%			
			Dollar Increase:	\$38,592	\$102,504	\$141,096				
			Percent 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

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	180,528,874		\$14,716,008	\$39,082,579	\$53,798,587	27.4%	100.0%	0.3%	0.3%
			Dollar Increase:	\$38,597	\$98,459	\$137,057			
			Percent Increase:	0.3%	0.3%	0.3%			

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
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
<i>Proposed minus Target</i>	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
<i>Proposed minus Target</i>	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
<i>Proposed minus Target</i>	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
<i>Proposed minus Target</i>	n/a	0.00000	-\$17	-\$9	-\$26
			-0.02%	0.00%	0.00%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
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
<i>Proposed minus Target</i>	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
<i>Proposed minus Target</i>	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
<i>Proposed minus Target</i>	n/a	n/a	\$5	-\$4,044	-\$4,039
			0.00%	-0.01%	-0.01%

NIAGARA MOHAWK POWER CORPORATION of the 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 (Company Owned and Maintained)

Description	Billed Rate Year 1 Facility Class	Watts per Lamp	Rate Year 1 T&D rate		Proposed Annual Facility Price	Rate Year 1 Annual Facility Price	Rate Year 1 Annual T&D Revenue	Rate Year 1 Annual Facility Revenue	Rate Year 1 Annual Total Revenue	Rate Year 1 Non Leap Yr Burns	FY18 Avg Units	LED Conversion On			Proposed Annual T&D Revenue	Proposed Annual Facility Revenue	Proposed Annual Total Revenue			
			0.08646	0.08669								Percent Change	2016 Avg Units Billed	FY18 Avg Units				Proposed Annual Usage	FY18 Avg Units	Proposed Annual Usage
			0.26% increase									(c)	(g)	(m)				(n)	(o)	(p)
LAMPS																				
High Pressure Sodium																				
70W Standard	86	Standard	\$8.04	\$8.04	0.0%	\$ 8.04	\$1,358,749	\$352,316	\$1,711,065	347.50	43,820	15,714,890	\$1,362,324	\$352,316	\$1,714,640					
24 HR - 70W Standard	86	Standard	\$16.08	\$16.08	0.0%	\$16.08	\$3,524,237	\$666,002	\$4,190,239	347.50	82,836	40,760,293	\$3,533,510	\$666,002	\$4,199,511					
100W Standard	118	Standard	\$8.04	\$8.04	0.0%	\$8.04	\$3,524,237	\$666,002	\$4,190,239	347.50	38	38,920	\$3,574	\$666,002	\$4,240,511					
24 HR - 100W Standard	118	Standard	\$16.08	\$16.08	0.0%	\$16.08	\$2,025,112	\$26,103	\$2,286,215	347.50	32,467	23,421,848	\$2,030,440	\$26,103	\$2,296,543					
150W Standard	173	Standard	\$8.04	\$8.04	0.0%	\$8.04	\$1,678	\$13,678	\$15,356	347.50	104	138,170	\$13,712	\$13,678	\$15,390					
24 HR - 150W Standard	173	Standard	\$16.08	\$16.08	0.0%	\$16.08	\$2,703,392	\$203,217	\$2,906,609	347.50	25,276	32,041,541	\$2,777,681	\$203,217	\$2,980,898					
250W Standard	304	Standard	\$8.04	\$8.04	0.0%	\$8.04	\$20,349	\$1,421	\$21,770	347.50	88	235,348	\$20,402	\$1,421	\$21,823					
24 HR - 250W Standard	304	Standard	\$16.08	\$16.08	0.0%	\$16.08	\$1,042,652	\$49,469	\$1,092,121	347.50	6,153	12,059,009	\$1,045,395	\$49,469	\$1,094,865					
400W Standard	470	Standard	\$16.08	\$16.08	0.0%	\$16.08	\$124,694	\$5,141	\$129,835	347.50	313	1,442,177	\$125,022	\$5,141	\$130,163					
1000W Closed	1106	Closed	\$16.44	\$16.44	0.0%	\$16.44	\$173,382	\$128,793	\$302,176	347.50	2,323	2,005,288	\$173,838	\$129,072	\$302,910					
175W Standard	207	Standard	\$55.44	\$55.44	0.2%	\$55.56	\$29,249	\$152,346	\$44,494	347.50	275	338,281	\$29,326	\$152,346	\$44,604					
250W Standard	295	Standard	\$55.44	\$55.44	0.2%	\$55.56	\$92,523	\$31,545	\$124,068	347.50	569	1,070,093	\$92,766	\$31,613	\$124,380					
400W Standard	451	Standard	\$55.44	\$55.44	0.2%	\$55.56	\$63	\$90	\$723	347.50	2	7,321	\$63	\$90	\$723					
1000W Closed	1078	Closed	\$55.44	\$55.44	0.2%	\$55.56	\$28,011	\$4,008	\$32,019	347.50	598	323,973	\$28,085	\$4,008	\$32,093					
Mercury Vapor																				
100W Obsolete	130	Obsolete	\$6.84	\$6.84	0.0%	\$ 6.84	\$28,011	\$4,008	\$32,019	347.50	1,462	1,286,769	\$11,550	\$4,008	\$15,563					
175W Obsolete	211	Obsolete	\$6.84	\$6.84	0.0%	\$ 6.84	\$69,934	\$2,543	\$72,477	347.50	372	739,447	\$64,103	\$2,543	\$66,646					
400W Obsolete	477	Obsolete	\$13.08	\$13.08	0.0%	\$13.08	\$1,607	\$53	\$1,660	347.50	4	18,592	\$1,612	\$53	\$1,665					
1000W Obsolete	1095	Obsolete	\$191.28	\$191.76	0.3%	\$191.76	\$0	\$0	\$0	347.50	-	-	\$0	\$0	\$0					
250W (5 unit) Obsolete	1535	Obsolete	\$87.60	\$87.84	0.3%	\$87.84	\$2,062	\$3854	\$5,917	347.50	44	23,852	\$2,068	\$3,865	\$5,933					
LAMP & LUMINAIRE																				
MV 100W Open Reflector Obsolete	130	Obsolete	\$101.688	\$101.928	0.2%	\$101.928	\$19,141	\$8,135	\$27,276	347.50	8	221,377	\$19,191	\$8,154	\$27,345					
HPS 1000W High-Mast (6 unit) Closed	6636	Closed	\$75.00	\$75.12	0.2%	\$75.12	\$0	\$0	\$0	347.50	-	-	\$0	\$0	\$0					
Luminaire																				
< 2500 lumen, Open Reflector Obsolete	202	Obsolete	\$97.08	\$97.32	0.2%	\$97.32	\$73	\$97	\$170	347.50	1	842	\$73	\$97	\$170					
< 2500 lumen, Std Luminaire Obsolete	202	Obsolete	\$86.28	\$86.52	0.3%	\$86.52	\$0	\$0	\$0	347.50	-	-	\$0	\$0	\$0					
4000 lumen, Open Obsolete	327	Obsolete	\$100.08	\$100.32	0.2%	\$100.32	\$442	\$375	\$817	347.50	4	5,113	\$443	\$376	\$819					
4000 lumen, Enclosed Obsolete	327	Obsolete	\$99.96	\$100.20	0.2%	\$100.20	\$0	\$0	\$0	347.50	-	-	\$0	\$0	\$0					
6000 lumen, Enclosed Obsolete	448	Obsolete	\$151.68	\$152.04	0.2%	\$152.04	\$0	\$0	\$0	347.50	-	-	\$0	\$0	\$0					
10000 lumen, Enclosed Obsolete	690	Obsolete	\$100.80	\$101.04	0.2%	\$101.04	\$0	\$675,116	\$675,116	347.50	6,698	6,698	\$0	\$675,116	\$676,724					
Aspen Grove 100 Standard	\$100.80	Standard	\$101.04	\$101.04	0.2%	\$101.04	\$0	\$210,109	\$210,109	347.50	2,084	2,084	\$0	\$210,109	\$212,609					
Aspen Grove 150 Standard	\$100.80	Standard	\$101.04	\$101.04	0.2%	\$101.04	\$0	\$28,022	\$28,022	347.50	278	278	\$0	\$28,022	\$28,089					
Aspen Grove 70 Standard	\$100.80	Standard	\$101.04	\$101.04	0.2%	\$101.04	\$0	\$750,758	\$750,758	347.50	7,448	7,448	\$0	\$750,758	\$752,546					
LUMINAIRES																				
Buffalo Globe (6 unit), 250 Obsolete	\$504.12	Obsolete	\$505.32	\$505.32	0.2%	\$505.32	\$0	\$0	\$0	347.50	-	-	\$0	\$0	\$0					
Central Park 100 Standard	\$123.12	Standard	\$123.36	\$123.36	0.2%	\$123.36	\$1,354	\$1,354	\$1,667,704	347.50	1,354	1,354	\$0	\$1,667,704	\$1,670,229					
Central Park 175 Standard	\$123.12	Standard	\$123.36	\$123.36	0.2%	\$123.36	\$664	\$664	\$1,066,365	347.50	864	864	\$0	\$1,066,365	\$1,067,573					
Coach 100 Standard	\$73.44	Standard	\$73.56	\$73.56	0.2%	\$73.56	\$1,299	\$1,299	\$95,411	347.50	1,299	1,299	\$0	\$95,567	\$95,567					
Coach 150 Standard	\$73.44	Standard	\$73.56	\$73.56	0.2%	\$73.56	\$13,146	\$13,146	\$13,146	347.50	179	179	\$0	\$13,146	\$13,167					
Coach 175 Standard	\$73.44	Standard	\$73.56	\$73.56	0.2%	\$73.56	\$0	\$0	\$13,146	347.50	20	20	\$0	\$13,146	\$13,167					
Coach 70 Standard	\$73.44	Standard	\$73.56	\$73.56	0.2%	\$73.56	\$139,316	\$139,316	\$139,316	347.50	1,897	1,897	\$0	\$139,316	\$139,543					
Contemporary 70 Obsolete	\$77.64	Obsolete	\$77.76	\$77.76	0.2%	\$77.76	\$0	\$14,907	\$14,907	347.50	192	192	\$0	\$14,907	\$14,930					
Contemporary 100 Obsolete	\$77.64	Obsolete	\$77.76	\$77.76	0.2%	\$77.76	\$0	\$12,668	\$12,668	347.50	163	163	\$0	\$12,668	\$12,688					
Contemporary 150 Obsolete	\$77.64	Obsolete	\$77.76	\$77.76	0.2%	\$77.76	\$0	\$1,863	\$1,863	347.50	24	24	\$0	\$1,866	\$1,866					
Contemporary 175 Obsolete	\$77.64	Obsolete	\$77.76	\$77.76	0.2%	\$77.76	\$0	\$1,863	\$1,863	347.50	24	24	\$0	\$1,866	\$1,866					
Contemporary 250 Obsolete	\$77.64	Obsolete	\$77.76	\$77.76	0.2%	\$77.76	\$0	\$0	\$0	347.50	-	-	\$0	\$0	\$0					
Contemporary 400 Obsolete	\$199.68	Obsolete	\$200.16	\$200.16	0.2%	\$200.16	\$0	\$58,856	\$58,856	347.50	295	295	\$0	\$58,856	\$58,997					
Delaware Park 150 Standard	\$246.60	Standard	\$247.20	\$247.20	0.2%	\$247.20	\$0	\$50,020	\$50,020	347.50	251	251	\$0	\$50,020	\$50,140					
Delaware Park 250 Standard	\$246.60	Standard	\$247.20	\$247.20	0.2%	\$247.20	\$0	\$260,512	\$260,512	347.50	1,056	1,056	\$0	\$260,512	\$261,146					
Delaware Park 400 Standard	\$246.60	Standard	\$247.20	\$247.20	0.2%	\$247.20	\$0	\$209,487	\$209,487	347.50	850	850	\$0	\$209,487	\$209,996					
Delaware Park Pedestrian 100 Standard	\$168.96	Standard	\$169.32	\$169.32	0.2%	\$169.32	\$0	\$15,375	\$15,375	347.50	91	91	\$0	\$15,375	\$15,408					

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. 2 - Street Lighting (Company Owned and Maintained)

Description	Rate Year 1 T&D rate Proposed T&D rate 0.26% increase	Rate Year 1 Facility Class	Billed per Lamp	Rate Year 1 Watts	Proposed Annual Facility Price (c)	Percent Change Price (e)	Use Group Tariff Prices		LED Conversion On		FY18		LED Conversion On		LED Facility %		Proposed Annual Total Revenue (q)	
							Rate Year 1 Annual Price (d)	Rate Year 1 Facility Price (f)	Rate Year 1 Annual T&D Revenue (i)	Rate Year 1 Annual Usage (h)	Rate Year 1 Annual T&D Revenue (j)	Rate Year 1 Annual Usage (g)	Rate Year 1 Annual Revenue (k)	Rate Year 1 Annual Revenue (l)	Rate Year 1 Annual Revenue (m)	Rate Year 1 Annual Revenue (n)		Rate Year 1 Annual Revenue (o)
Aluminum, anchor base, square Fiberglass, anchor base Standard		Standard			\$512.28	0.2%	Wid	546	\$0	\$279,833	\$279,833	546	-	\$0	\$280,488	\$280,488	\$280,488	
steel, anchor base (50 ft round) Closed		Standard			\$173.04	0.2%	Combd	303	\$0	\$52,431	\$52,431	303	-	\$0	\$52,540	\$52,540	\$52,540	
steel, anchor base (35 ft square) Closed		Standard			\$324.36	0.2%	Price	8	\$0	\$2,595	\$2,595	8	-	\$0	\$2,601	\$2,601	\$2,601	
steel, anchor base, heavy duty Closed		Standard			\$183.84	0.3%	Price	13	\$0	\$2,390	\$2,390	13	-	\$0	\$2,396	\$2,396	\$2,396	
steel, anchor base, heavy duty Closed		Standard			\$256.20	0.2%	Price	2,764	\$0	\$708,201	\$708,201	2,764	-	\$0	\$709,859	\$709,859	\$709,859	
steel, anchor base, traf signal, 1 arm Obsolete		Obsolete			\$256.80	0.2%	Price	14	\$0	\$3,587	\$3,587	14	-	\$0	\$3,595	\$3,595	\$3,595	
steel, AB, traf signal, >= 10 per unit Obsolete		Obsolete			\$479.40	0.2%	Price	-	\$0	\$0	\$0	-	-	\$0	\$0	\$0	\$0	
					\$1,020.96	0.2%	Price	-	\$0	\$0	\$0	-	-	\$0	\$0	\$0	\$0	
Standard <= 16 ft																		
for UG or URD Service																		
Aluminum, anchor base, Village Standard		Standard			\$111.96	0.2%	Price	883	\$0	\$98,879	\$98,879	883	-	\$0	\$99,091	\$99,091	\$99,091	
Fiberglass, anchor base Standard		Standard			\$67.32	0.2%	Price	2,518	\$0	\$169,484	\$169,484	2,518	-	\$0	\$169,786	\$169,786	\$169,786	
Fiberglass, direct embedded Standard		Standard			\$92.52	0.3%	Price	9,146	\$0	\$846,219	\$846,219	9,146	-	\$0	\$848,414	\$848,414	\$848,414	
steel, anchor base Closed		Standard			\$111.96	0.2%	Price	4,799	\$0	\$537,333	\$537,333	4,799	-	\$0	\$538,485	\$538,485	\$538,485	
steel, direct embedded Closed		Standard			\$132.00	0.3%	Price	2,740	\$0	\$361,669	\$361,669	2,740	-	\$0	\$362,655	\$362,655	\$362,655	
aluminum, anchor base (square) Closed		Standard			\$140.40	0.3%	Price	77	\$0	\$10,811	\$10,811	77	-	\$0	\$10,839	\$10,839	\$10,839	
Decorative Standard																		
> 16 ft for UG Service																		
Alum. AB Niagara Kbdy (no base) Standard		Standard			\$649.20	0.2%	Price	196	\$0	\$127,243	\$127,243	196	-	\$0	\$127,549	\$127,549	\$127,549	
<= 16 ft for UG or URD Service																		
Aluminum, AB, Army Square Standard		Standard			\$336.12	0.2%	Price	820	\$0	\$275,478	\$275,478	820	-	\$0	\$276,068	\$276,068	\$276,068	
Fiberglass, AB, Presidential Standard		Standard			\$156.84	0.2%	Price	2,424	\$0	\$380,141	\$380,141	2,424	-	\$0	\$381,014	\$381,014	\$381,014	
Fiberglass, DE, Presidential Standard		Standard			\$230.40	0.2%	Price	109	\$0	\$25,114	\$25,114	109	-	\$0	\$25,166	\$25,166	\$25,166	
aluminum, AB, Little Falls Closed		Standard			\$198.12	0.2%	Price	160	\$0	\$31,633	\$31,633	160	-	\$0	\$31,710	\$31,710	\$31,710	
aluminum, AB, Winter Park Closed		Standard			\$311.28	0.2%	Price	-	\$0	\$0	\$0	-	-	\$0	\$0	\$0	\$0	
cast iron, AB, Army Square Closed		Standard			\$373.56	0.2%	Price	50	\$0	\$18,678	\$18,678	50	-	\$0	\$18,720	\$18,720	\$18,720	
Accessory																		
tenon mounting adaptor Standard		Standard			\$43.32	0.3%	Price	36	\$0	\$1,560	\$1,560	36	-	\$0	\$1,564	\$1,564	\$1,564	
ARMS AND BRACKETS																		
decorative, Niagara Pedestrian, single decorative, Niagara Pedestrian, single		Standard			\$189.36	0.3%	Price	55	\$0	\$10,415	\$10,415	55	-	\$0	\$10,441	\$10,441	\$10,441	
Arm for Standard <= 16ft																		
Der. crossarm, double, ornamental Standard		Standard			\$102.72	0.2%	Price	-	\$0	\$0	\$0	-	-	\$0	\$0	\$0	\$0	
Der. crossarm, double, contemporary Standard		Standard			\$102.72	0.2%	Price	-	\$0	\$0	\$0	-	-	\$0	\$0	\$0	\$0	
Der. crossarm, double, ornamental Standard		Standard			\$102.72	0.2%	Price	382	\$0	\$39,222	\$39,222	382	-	\$0	\$39,314	\$39,314	\$39,314	
Der. (cane/sroll), alum., Little Falls Closed		Standard			\$110.76	0.2%	Price	72	\$0	\$7,975	\$7,975	72	-	\$0	\$7,992	\$7,992	\$7,992	
Basket for Wood Pole																		
decorative, Park Ave South, single decor. Metropolitan, all types/sizes Standard		Standard			\$105.60	0.2%	Price	322	\$0	\$33,968	\$33,968	322	-	\$0	\$34,045	\$34,045	\$34,045	
decor. Metropolitan, all types/sizes Standard		Standard			\$70.44	0.2%	Price	-	\$0	\$0	\$0	-	-	\$0	\$0	\$0	\$0	
BASES																		
Decorative, Metropolitan Base Standard		Standard			\$151.68	0.2%	Price	-	\$0	\$0	\$0	-	-	\$0	\$0	\$0	\$0	
Alum. Niagara Base Standard		Standard			\$288.84	0.2%	Price	58	\$0	\$16,753	\$16,753	58	-	\$0	\$16,794	\$16,794	\$16,794	
FOUNDATIONS																		
Concrete - Cast-in-Place - In																		
AB SD > 16 ft Standard		Standard			\$215.88	0.2%	Price	12,568	\$0	\$2,713,252	\$2,713,252	12,568	-	\$0	\$2,719,285	\$2,719,285	\$2,719,285	
AB SD > 16 ft, heavy duty Standard		Standard			\$215.88	0.2%	Price	166	\$0	\$35,836	\$35,836	166	-	\$0	\$35,916	\$35,916	\$35,916	
AB SD <= 16 ft Standard		Standard			\$215.88	0.2%	Price	6,536	\$0	\$1,410,938	\$1,410,938	6,536	-	\$0	\$1,414,075	\$1,414,075	\$1,414,075	
AB SD > 16 ft, double size Closed		Standard			\$215.88	0.2%	Price	1	\$0	\$144	\$144	1	-	\$0	\$144	\$144	\$144	
AB SD > 16 ft, extra heavy duty Closed		Standard			\$215.88	0.2%	Price	15	\$0	\$3,238	\$3,238	15	-	\$0	\$3,245	\$3,245	\$3,245	
FD Cone Foundation Standard		Standard			\$215.88	0.2%	Price	-	\$0	\$0	\$0	-	-	\$0	\$0	\$0	\$0	
Concrete - Pre-Cast																		

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. 2 - Street Lighting (Company Owned and Maintained) - FACILITIES WITH PRICE EXCEPTIONS

Customer	Billed Waits per Lamp	Price Exception	Billoode Description	Rate Year 1		Proposed		Percent Annual Change	Rate Year 1		Rate Year 1		Rate Year 1		Proposed		Proposed	
				Rate Year 1 Facility Price		Rate Year 1 T&D Revenue	Rate Year 1 Annual Revenue	Rate Year 1 T&D Revenue	Rate Year 1 Annual Revenue	Rate Year 1 T&D Revenue	Rate Year 1 Annual Revenue	Rate Year 1 T&D Revenue	Rate Year 1 Annual Revenue	Rate Year 1 T&D Revenue	Rate Year 1 Annual Revenue			
AMHERST CENTRAL SCHOOL D	5,243,017,740		FD Concrete >16'	216.36	\$69.08	\$70.39	1.9%		4	-	\$0	\$276		4	-	\$0	\$282	\$282
AMHERST CENTRAL SCHOOL D	4,356,054,170		CR UG Cable & Cndt	118.68	\$108.51	\$110.57	1.9%		4	-	\$0	\$434		4	-	\$0	\$442	\$442
									Subtotal:		\$0	\$710				\$0	\$724	\$724
CHAUTAQUA UTILITY DIST	8,975,335,963		LL Open IN 1000	82.01508271	\$81.80	\$83.35	1.9%		62.2	26,702	\$5,085	\$7,394		62	26,702	\$2,315	\$5,182	\$7,496
CHAUTAQUA UTILITY DIST	6,131,161,511		PL Wood OH	28.95593629	\$28.88	\$29.43	1.9%		77.5	-	\$0	\$2,238		78	-	\$0	\$2,281	\$2,281
									Subtotal:		\$2,309	\$9,632				\$2,315	\$7,462	\$9,777
CITY OF BUFFALO	6,046,143,561		FD Concrete <=16'	216.36	\$33.91	\$34.55	1.9%		17.0	-	\$0	\$576		17	-	\$0	\$587	\$587
CITY OF BUFFALO	8,938,042,980		FD Concrete <=16'	216.36	\$27.68	\$28.20	1.9%		25.3	-	\$0	\$701		25	-	\$0	\$714	\$714
CITY OF BUFFALO	9,147,825,578		FD Concrete <=16'	216.36	\$13.77	\$14.03	1.9%		14.8	-	\$0	\$203		15	-	\$0	\$207	\$207
CITY OF BUFFALO	220,850,408		FD Concrete >16'	216.36	\$45.44	\$46.30	1.9%		605.6	-	\$0	\$27,518		606	-	\$0	\$28,039	\$28,039
CITY OF BUFFALO	1,461,426,714		FD Concrete >16'	216.36	\$57.58	\$58.67	1.9%		123.8	-	\$0	\$7,126		124	-	\$0	\$7,260	\$7,260
CITY OF BUFFALO	1,789,300,004		FD Concrete >16'	216.36	\$35.14	\$35.81	1.9%		583.6	-	\$0	\$20,507		584	-	\$0	\$20,898	\$20,898
CITY OF BUFFALO	5,017,348,183		FD Concrete >16'	216.36	\$50.91	\$51.88	1.9%		1034.7	-	\$0	\$52,675		1035	-	\$0	\$53,679	\$53,679
CITY OF BUFFALO	2,127,072,470		CR UG Cable & Cndt	118.68	\$90.45	\$92.17	1.9%		124.3	-	\$0	\$11,246		124	-	\$0	\$11,460	\$11,460
CITY OF BUFFALO	4,159,199,691		CR UG Cable & Cndt	118.68	\$44.56	\$45.71	1.9%		2274.7	-	\$0	\$102,042		2275	-	\$0	\$103,975	\$103,975
CITY OF BUFFALO	5,953,826,738		CR UG Cable & Cndt	118.68	\$55.20	\$56.25	1.9%		575.2	-	\$0	\$31,749		575	-	\$0	\$32,353	\$32,353
CITY OF BUFFALO	688,009,980		CR UG Cable & Cndt	118.68	\$34.61	\$35.27	1.9%		15.5	-	\$0	\$536		16	-	\$0	\$547	\$547
CITY OF BUFFALO	9,423,276,332		CR UG Cable & Cndt	118.68	\$95.86	\$97.68	1.9%		1168.6	-	\$0	\$112,020		1,169	-	\$0	\$114,147	\$114,147
CITY OF BUFFALO PRES&REC	9,750,049,700		CR UG Cable & Cndt	118.68	\$44.86	\$45.71	1.9%		9.0	-	\$0	\$404		9	-	\$0	\$411	\$411
									Subtotal:		\$368,838	\$368,838				\$0	\$375,842	\$375,842
CITY OF SCHENECTADY	2,514,003,640		LL Enclosed IN <2500	97.32	\$42.87	\$43.68	1.9%		24	20,217	\$1,748	\$2,777		24	20,217	\$1,753	\$2,801	\$2,801
CITY OF SCHENECTADY	9,057,251,892		SD Steel >16' AB PT	112.2	\$23.63	\$24.08	1.9%		24	-	\$0	\$567		24	-	\$0	\$578	\$578
CITY OF SCHENECTADY	119,391,034		FD Concrete <=16'	216.36	\$33.72	\$34.36	1.9%		24	-	\$0	\$809		24	-	\$0	\$825	\$825
CITY OF SCHENECTADY	923,523,835		CR UG Cable & Cndt	118.68	\$90.31	\$92.02	1.9%		24	-	\$0	\$2,167		24	-	\$0	\$2,208	\$2,208
									Subtotal:		\$1,748	\$6,321				\$1,753	\$6,412	\$6,412
CITY OF SYRACUSE DPW	3,793,634,146		SD Steel <=16' AB PT	112.2	\$15.13	\$15.42	1.9%		495.0	-	\$0	\$7,489		495	-	\$0	\$7,633	\$7,633
CITY OF SYRACUSE DPW	7,967,450,484		SD Steel >16' AB	256.8	\$60.08	\$61.22	1.9%		11.0	-	\$0	\$661		11	-	\$0	\$673	\$673
CITY OF SYRACUSE DPW	6,396,732,077		SD Alum Armory Sq AB	336.84	\$15.13	\$15.42	1.9%		1.0	-	\$0	\$15		1	-	\$0	\$15	\$15
CITY OF SYRACUSE DPW	3,332,548,425		FD Concrete <=16'	216.36	\$21.64	\$22.05	1.9%		503.0	-	\$0	\$10,885		503	-	\$0	\$11,091	\$11,091
CITY OF SYRACUSE DPW	9,725,348,453		FD Concrete <=16'	216.36	\$22.20	\$22.62	1.9%		51.0	-	\$0	\$1,132		51	-	\$0	\$1,154	\$1,154
CITY OF SYRACUSE DPW	2,434,895,558		FD Concrete >16'	216.36	\$93.02	\$94.78	1.9%		11.0	-	\$0	\$1,023		11	-	\$0	\$1,043	\$1,043
CITY OF SYRACUSE DPW	752,702,727		CR UG Cable & Cndt	118.68	\$62.21	\$63.39	1.9%		510.3	-	\$0	\$31,743		510	-	\$0	\$32,345	\$32,345
CITY OF SYRACUSE DPW	8,052,131,921		CR UG Cable & Cndt	118.68	\$59.12	\$60.24	1.9%		48.6	-	\$0	\$2,872		49	-	\$0	\$2,927	\$2,927
									Subtotal:		\$55,821	\$55,821				\$0	\$56,880	\$56,880
CITY OF UTICA DPW	805,054,350		LL Enclosed IN 4000	100.32	\$39.98	\$40.74	1.9%		8	10,909	\$943	\$1,263		8	10,909	\$946	\$1,272	\$1,272
CITY OF UTICA DPW	8,996,557,075		SD Steel >16' AB	256.8	\$38.37	\$39.10	1.9%		8	-	\$0	\$307		8	-	\$0	\$313	\$313
CITY OF UTICA DPW	2,978,195,981		FD Concrete >16'	216.36	\$59.40	\$60.53	1.9%		8	-	\$0	\$475		8	-	\$0	\$484	\$484
CITY OF UTICA DPW	8,212,261,222		CR UG Cable & Cndt	118.68	\$93.37	\$95.14	1.9%		8	-	\$0	\$747		8	-	\$0	\$761	\$761
									Subtotal:		\$943	\$2,792				\$946	\$1,884	\$2,830
MUSEUM OF SCIENCE & TEC	9,761,380,833		FD Concrete <=16'	216.36	\$37.67	\$38.38	1.9%		4	-	\$0	\$151		4	-	\$0	\$154	\$154
MUSEUM OF SCIENCE & TEC	6,113,511,345		CR UG Cable & Cndt	118.68	\$144.35	\$147.09	1.9%		4	-	\$0	\$577		4	-	\$0	\$588	\$588
									Subtotal:		\$0	\$728				\$0	\$742	\$742
TOWN OF AMHERST	1,198,891,209		CR UG Cable & Cndt	118.68	\$71.53	\$72.89	1.9%		37	-	\$0	\$2,647		37	-	\$0	\$2,697	\$2,697
TOWN OF AMHERST	40,907,619		CR UG Cable & Cndt	118.68	\$71.53	\$72.89	1.9%		26	-	\$0	\$1,860		26	-	\$0	\$1,895	\$1,895
TOWN OF AMHERST	8,598,118,892		CR UG Cable & Cndt	118.68	\$71.53	\$72.89	1.9%		17	-	\$0	\$1,216		17	-	\$0	\$1,239	\$1,239
TOWN OF AMHERST	1,259,621,896		CR UG Cable & Cndt	118.68	\$71.53	\$72.89	1.9%		239	-	\$0	\$17,096		239	-	\$0	\$17,421	\$17,421
TOWN OF AMHERST	5,059,173,002		FD Concrete <=16'	216.36	\$30.38	\$30.96	1.9%		4	-	\$0	\$122		4	-	\$0	\$124	\$124
TOWN OF AMHERST	159,784,008		CR UG Cable & Cndt	118.68	\$80.91	\$82.44	1.9%		4	-	\$0	\$324		4	-	\$0	\$330	\$330
TOWN OF AMHERST	4,693,984,849		CR UG Cable & Cndt	118.68	\$71.53	\$72.89	1.9%		28	-	\$0	\$2,003		28	-	\$0	\$2,041	\$2,041
TOWN OF AMHERST	5,186,832,478		CR UG Cable & Cndt	118.68	\$71.53	\$72.89	1.9%		74	-	\$0	\$5,293		74	-	\$0	\$5,394	\$5,394
TOWN OF AMHERST	8,553,921,449		CR UG Cable & Cndt	118.68	\$71.53	\$72.89	1.9%		21	-	\$0	\$1,502		21	-	\$0	\$1,531	\$1,531
TOWN OF AMHERST	6,092,628,736		CR UG Cable & Cndt	118.68	\$71.53	\$72.89	1.9%		16	-	\$0	\$1,144		16	-	\$0	\$1,166	\$1,166
TOWN OF AMHERST	8,019,098,590		CR UG Cable & Cndt	118.68	\$71.53	\$72.89	1.9%		8	-	\$0	\$572		8	-	\$0	\$583	\$583

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. 2 - Street Lighting (Company Owned and Maintained) - FACILITIES WITH PRICE EXCEPTIONS

Customer	Billed Description	Price Exception	Billed		Rate Year 1		Proposed		Percent Change	Rate Year 1		Rate Year 1		Rate Year 1		FY18	Non	Proposed	Proposed	
			Watts per Lamp	per Lamp	Rate Year Facility Price	Rate Year Annual Revenue	Rate Year Facility Price	Rate Year Annual Revenue		Rate Year Facility Price	Rate Year Annual Revenue	Rate Year Facility Price	Rate Year Annual Revenue	Rate Year Facility Price	Rate Year Annual Revenue					Rate Year Facility Price
TOWN OF AMHERST	CR UG Cable & Cndt	3,826,074.801	118.68	571.53	118.68	572.89	1.9%	6	-	0	50	50	50	50	50	6	0	0	0	\$437
TOWN OF AMHERST	CR UG Cable & Cndt	5,509,224.592	118.68	571.53	118.68	572.89	1.9%	20	-	0	0	0	0	0	0	20	0	0	0	\$1,458
TOWN OF AMHERST	CR UG Cable & Cndt	9,684,811.658	118.68	571.53	118.68	572.89	1.9%	17	-	0	0	0	0	0	0	17	0	0	0	\$1,239
TOWN OF AMHERST	CR UG Cable & Cndt	9,054,181.941	118.68	571.53	118.68	572.89	1.9%	21	-	0	0	0	0	0	0	21	0	0	0	\$1,531
TOWN OF AMHERST	CR UG Cable & Cndt	8,288,911.599	118.68	571.53	118.68	572.89	1.9%	14	-	0	0	0	0	0	0	14	0	0	0	\$1,020
TOWN OF AMHERST	CR UG Cable & Cndt	4,122,982.749	118.68	571.53	118.68	572.89	1.9%	29	-	0	0	0	0	0	0	29	0	0	0	\$2,114
TOWN OF AMHERST	CR UG Cable & Cndt	2,583,157.341	118.68	571.53	118.68	572.89	1.9%	22	-	0	0	0	0	0	0	22	0	0	0	\$1,604
TOWN OF AMHERST	CR UG Cable & Cndt	1,819,291.823	118.68	571.53	118.68	572.89	1.9%	2	-	0	0	0	0	0	0	2	0	0	0	\$146
TOWN OF AMHERST	FD Concrete > 16'	3,598,117.791	216.36	530.38	216.36	530.96	1.9%	20	-	0	0	0	0	0	0	20	0	0	0	\$619
TOWN OF AMHERST	CR UG Cable & Cndt	1,959,770.108	118.68	571.53	118.68	572.89	1.9%	20	-	0	0	0	0	0	0	20	0	0	0	\$1,649
TOWN OF AMHERST	FD Concrete > 16'	1,186,852.478	216.36	530.38	216.36	530.96	1.9%	13	-	0	0	0	0	0	0	13	0	0	0	\$402
TOWN OF AMHERST	CR UG Cable & Cndt	4,969,406.205	118.68	571.53	118.68	572.89	1.9%	13	-	0	0	0	0	0	0	13	0	0	0	\$1,072
TOWN OF AMHERST	FD Concrete > 16'	5,321,916.719	216.36	530.38	216.36	530.96	1.9%	37	-	0	0	0	0	0	0	37	0	0	0	\$1,146
TOWN OF AMHERST	CR UG Cable & Cndt	5,785,461.464	118.68	571.53	118.68	572.89	1.9%	37	-	0	0	0	0	0	0	37	0	0	0	\$3,050
TOWN OF AMHERST	CR UG Cable & Cndt	3,863,774.947	118.68	571.53	118.68	572.89	1.9%	22	-	0	0	0	0	0	0	22	0	0	0	\$1,604
TOWN OF AMHERST	CR UG Cable & Cndt	1,001,976.419	118.68	571.53	118.68	572.89	1.9%	23	-	0	0	0	0	0	0	23	0	0	0	\$1,676
TOWN OF AMHERST	FD Concrete > 16'	3,178,546.595	216.36	530.38	216.36	530.96	1.9%	10	-	0	0	0	0	0	0	10	0	0	0	\$310
TOWN OF AMHERST	CR UG Cable & Cndt	3,870,870.318	118.68	571.53	118.68	572.89	1.9%	10	-	0	0	0	0	0	0	10	0	0	0	\$824
TOWN OF AMHERST	FD Concrete > 16'	5,423,709.947	216.36	530.38	216.36	530.96	1.9%	15	-	0	0	0	0	0	0	15	0	0	0	\$464
TOWN OF AMHERST	CR UG Cable & Cndt	9,396,458.974	118.68	571.53	118.68	572.89	1.9%	15	-	0	0	0	0	0	0	15	0	0	0	\$1,237
TOWN OF AMHERST	FD Concrete > 16'	2,973,199.251	216.36	530.38	216.36	530.96	1.9%	5	-	0	0	0	0	0	0	5	0	0	0	\$155
TOWN OF AMHERST	CR UG Cable & Cndt	5,616,411.684	118.68	571.53	118.68	572.89	1.9%	5	-	0	0	0	0	0	0	5	0	0	0	\$412
TOWN OF AMHERST	FD Concrete > 16'	8,626,110.861	216.36	530.38	216.36	530.96	1.9%	5	-	0	0	0	0	0	0	5	0	0	0	\$155
TOWN OF AMHERST	CR UG Cable & Cndt	6,430,560.905	118.68	571.53	118.68	572.89	1.9%	5	-	0	0	0	0	0	0	5	0	0	0	\$412
TOWN OF AMHERST	FD Concrete <= 16'	9,002,641.036	216.36	530.38	216.36	530.96	1.9%	32	-	0	0	0	0	0	0	32	0	0	0	\$991
TOWN OF AMHERST	CR UG Cable & Cndt	7,120,076.700	118.68	571.53	118.68	572.89	1.9%	32	-	0	0	0	0	0	0	32	0	0	0	\$2,638
TOWN OF AMHERST	CR UG Cable & Cndt	8,401,406.914	118.68	571.53	118.68	572.89	1.9%	30	-	0	0	0	0	0	0	30	0	0	0	\$3,645
TOWN OF AMHERST	FD Concrete > 16'	2,401,138.221	216.36	530.38	216.36	530.96	1.9%	18	-	0	0	0	0	0	0	18	0	0	0	\$1,312
TOWN OF AMHERST	CR UG Cable & Cndt	4,847,415.974	118.68	571.53	118.68	572.89	1.9%	19	-	0	0	0	0	0	0	19	0	0	0	\$1,385
TOWN OF AMHERST	FD Concrete > 16'	2,449,189.902	216.36	530.38	216.36	530.96	1.9%	17	-	0	0	0	0	0	0	17	0	0	0	\$526
TOWN OF AMHERST	CR UG Cable & Cndt	8,593,764.057	118.68	571.53	118.68	572.89	1.9%	17	-	0	0	0	0	0	0	17	0	0	0	\$1,401
TOWN OF AMHERST	FD Concrete Only	5,055,312.853	118.68	571.53	118.68	572.89	1.9%	36	-	0	0	0	0	0	0	36	0	0	0	\$646
TOWN OF AMHERST	CR UG Cable Only	681,267.422	216.36	530.38	216.36	530.96	1.9%	10	-	0	0	0	0	0	0	10	0	0	0	\$310
TOWN OF AMHERST	CR UG Cable & Cndt	2,044,788.767	118.68	571.53	118.68	572.89	1.9%	10	-	0	0	0	0	0	0	10	0	0	0	\$824
TOWN OF AMHERST	CR UG Cable & Cndt	5,036,500.765	118.68	571.53	118.68	572.89	1.9%	13	-	0	0	0	0	0	0	13	0	0	0	\$948
TOWN OF AMHERST	FD Concrete <= 16'	4,344,224.942	216.36	530.38	216.36	530.96	1.9%	11	-	0	0	0	0	0	0	11	0	0	0	\$341
TOWN OF AMHERST	CR UG Cable & Cndt	8,306,448.664	118.68	571.53	118.68	572.89	1.9%	11	-	0	0	0	0	0	0	11	0	0	0	\$907
TOWN OF AMHERST	FD Concrete > 16'	9,864,202.652	216.36	530.38	216.36	530.96	1.9%	7	-	0	0	0	0	0	0	7	0	0	0	\$217
TOWN OF AMHERST	CR UG Cable & Cndt	5,977,595.395	118.68	571.53	118.68	572.89	1.9%	7	-	0	0	0	0	0	0	7	0	0	0	\$577
TOWN OF AMHERST	FD Concrete > 16'	2,270,561.615	216.36	530.38	216.36	530.96	1.9%	9	-	0	0	0	0	0	0	9	0	0	0	\$279
TOWN OF AMHERST	CR UG Cable & Cndt	1,611,213.912	118.68	571.53	118.68	572.89	1.9%	9	-	0	0	0	0	0	0	9	0	0	0	\$742
TOWN OF AMHERST	FD Concrete > 16'	7,381,334.533	216.36	530.38	216.36	530.96	1.9%	5	-	0	0	0	0	0	0	5	0	0	0	\$155
TOWN OF AMHERST	CR UG Cable & Cndt	1,791,555.525	118.68	571.53	118.68	572.89	1.9%	5	-	0	0	0	0	0	0	5	0	0	0	\$412
TOWN OF AMHERST	FD Concrete > 16'	6,591,623.476	216.36	530.38	216.36	530.96	1.9%	8	-	0	0	0	0	0	0	8	0	0	0	\$248
TOWN OF AMHERST	CR UG Cable & Cndt	9,938,501.756	118.68	571.53	118.68	572.89	1.9%	8	-	0	0	0	0	0	0	8	0	0	0	\$660
TOWN OF AMHERST	FD Concrete > 16' HD	9,519,818.398	216.36	530.38	216.36	530.96	1.9%	24	-	0	0	0	0	0	0	24	0	0	0	\$743
TOWN OF AMHERST	CR UG Cable & Cndt	6,263,416.544	118.68	571.53	118.68	572.89	1.9%	24	-	0	0	0	0	0	0	24	0	0	0	\$1,979
TOWN OF AMHERST	FD Concrete > 16'	7,972,790.067	216.36	530.38	216.36	530.96	1.9%	11	-	0	0	0	0	0	0	11	0	0	0	\$341
TOWN OF AMHERST	CR UG Cable & Cndt	858,637.796	118.68	571.53	118.68	572.89	1.9%	11	-	0	0	0	0	0	0	11	0	0	0	\$907
TOWN OF AMHERST	FD Concrete > 16' HD	6,030,397.413	216.36	530.38	216.36	530.96	1.9%	5	-	0	0	0	0	0	0	5	0	0	0	\$155
TOWN OF AMHERST	CR UG Cable & Cndt	9,442,246.922	118.68	571.53	118.68	572.89	1.9%	5	-	0	0	0	0	0	0	5	0	0	0	\$412
TOWN OF AMHERST	FD Concrete > 16' HD	7,372,436.534	216.36	530.38	216.36	530.96	1.9%	21	-	0	0	0	0	0	0	21	0	0	0	\$650
TOWN OF AMHERST	CR UG Cable & Cndt	3,442,014.920	118.68	571.53	118.68	572.89	1.9%	21	-	0	0	0	0	0	0	21	0	0	0	\$1,731
TOWN OF AMHERST	FD Concrete > 16'	7,006,920.700	216.36	530.38	216.36	530.96	1.9%	10	-	0	0	0	0	0	0	10	0	0	0	\$310
TOWN OF AMHERST	CR UG Cable & Cndt	2,146,282.972	118.68	571.53	118.68	572.89	1.9%	10	-	0	0	0	0	0	0	10	0	0	0	\$824
TOWN OF AMHERST	FD Concrete > 16'	3,388,225.492	216.36	530.38	216.36	530.96	1.9%	15	-	0	0	0	0	0	0	15	0	0	0	\$464
TOWN OF AMHERST	CR UG Cable & Cndt	5,258,665.596	118.68	571.53	118.68	572.89	1.9%	15	-	0	0	0	0	0	0	15	0	0	0	\$1,237
TOWN OF AMHERST	FD Concrete > 16'	7,841,872.428	216.36	530.38	216.36	530.96	1.9%	7												

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. 3 - Street Lighting (Customer Owned and Maintained)

Rate Year 1 T&D rate Proposed T&D rate 0.26% increase	Rate Year 1 T&D rate 0.05935 0.05951	Description	Billed Watts per Lamp	Price Exception	Bilcode Description	Rate Year 1 Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Rate Year 1 Annual T&D Revenue (g)	Rate Year 1 Annual Facility Revenue (h)	Rate Year 1 Annual Total Revenue (i)	Non Leap Yr Burns (k)	FY18 Avg Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)	0.3%	
																				Increase
		Non-contract S.C.3 Accounts (Customer owned & maintained)																		
		EN Energy Only DTD	n/a	n/a	n/a	n/a	n/a	n/a												
		High Pressure Sodium																		
		70W	86	999999990	LP HS 70	\$0.00	\$0.00	0.00%	4	648,922	\$85	\$85	\$85	347.50	4	1,440	\$86	\$0	\$86	
		100W	118	999999991	LP HS 100	\$0.00	\$0.00	0.00%	64	31,488	\$1,869	\$1,869	\$1,869	347.50	64	31,488	\$1,874	\$0	\$1,874	
		150W	173	999999992	LP HS 150	\$0.00	\$0.00	0.00%	731	527,352	\$31,301	\$31,301	\$31,301	347.50	731	527,352	\$31,383	\$0	\$31,383	
		250W	304	999999993	LP HS 250	\$0.00	\$0.00	0.00%	1,756	2,226,048	\$132,125	\$132,125	\$132,125	347.50	1,756	2,226,048	\$132,472	\$0	\$132,472	
		400W	470	999999981	LP HS 400	\$0.00	\$0.00	0.00%	21	41,160	\$2,443	\$2,443	\$2,443	347.50	21	41,160	\$2,449	\$0	\$2,449	
		100W	118	0	LP HS 100	\$7.08	\$8.04	13.56%	25	12,300	\$730	\$730	\$907	347.50	25	12,300	\$732	\$201	\$933	
		Metal Halide																		
		175W	207	0	LP MH 175	\$0.00	\$55.56	0.00%	2	1,728	\$103	\$103	\$103	347.50	2	1,728	\$103	\$111	\$214	
		400W	451	8139419394	LP MH 400	\$0.00	\$0.00	0.00%	11	20,688	\$1,228	\$1,228	\$1,228	347.50	11	20,688	\$1,231	\$0	\$1,231	
		Mercury Vapor																		
		175W	211	999999980	LP MV 175	\$0.00	\$0.00	0.00%	24	21,336	\$1,266	\$1,266	\$1,266	347.50	24	21,336	\$1,270	\$0	\$1,270	
		LUMINAIRES																		
		Arch. (style unknown) 150/175		999999975	LM Arch 150/175	\$0.00	\$0.00	0.00%	14		\$0	\$0	\$0		14		\$0	\$0	\$0	
		Arch. (style unknown) 70/100		999999976	LM Arch 70/100	\$0.00	\$0.00	0.00%	19		\$0	\$0	\$0		19		\$0	\$0	\$0	
		Edgewater 150		999999982	LM Edgewater 150	\$0.00	\$0.00	0.00%	730		\$0	\$0	\$0		730		\$0	\$0	\$0	
		Little Falls - Teardrop, 70		999999999	LM Little Fall TD 70	\$0.00	\$0.00	0.00%	6		\$0	\$0	\$0		6		\$0	\$0	\$0	
		Roadway 70		999999979	LM Roadway 70	\$0.00	\$0.00	0.00%	4		\$0	\$0	\$0		4		\$0	\$0	\$0	
		Roadway 150		999999978	LM Roadway 150	\$0.00	\$0.00	0.00%	2		\$0	\$0	\$0		2		\$0	\$0	\$0	
		Roadway 250		999999977	LM Roadway 250	\$0.00	\$0.00	0.00%	1,763		\$0	\$0	\$0		1,763		\$0	\$0	\$0	
		Roadway 400		8353362633	LM Roadway 400	\$0.00	\$0.00	0.00%	11		\$0	\$0	\$0		11		\$0	\$0	\$0	
		LM Aspen Grove 100		0	LM Aspen Grove 100	\$103.92	\$101.04	-2.77%	25		\$0	\$2,598	\$2,598		25		\$0	\$2,526	\$72	
		SD Alum Armory Sq AB		9043788437	LM Alum Armory Sq AB	\$0.00	\$0.00	0.00%	1		\$0	\$0	\$0		1		\$0	\$0	\$0	
		LM Roadway 175		999999969	LM Roadway 175	\$0.00	\$0.00	0.00%	2		\$0	\$0	\$0		2		\$0	\$0	\$0	
		LM Roadway 400		999999970	LM Roadway 400	\$0.00	\$0.00	0.00%	18		\$0	\$0	\$0		18		\$0	\$0	\$0	
		LM Aspen Grove 100		999999971	LM Aspen Grove 100	\$0.00	\$0.00	0.00%	28		\$0	\$0	\$0		28		\$0	\$0	\$0	
		LM Traditional 100		999999972	LM Traditional 100	\$0.00	\$0.00	0.00%	20		\$0	\$0	\$0		20		\$0	\$0	\$0	
		LM Contemporary 175		999999973	LM Contemporary 175	\$0.00	\$0.00	0.00%	15		\$0	\$0	\$0		15		\$0	\$0	\$0	
		POLES/STANDARDS																		
		Wood Poles - L Span		999999983	PL Wood OH =< LSP	\$0.00	\$0.00	0.00%	3		\$0	\$0	\$0		3		\$0	\$0	\$0	
		Standard > 16 ft																		
		for UG or URD Service																		
		Aluminum, anchor base		999999986	SD Alum >16' AB	\$0.00	\$0.00	0.00%	223		\$0	\$0	\$0		223		\$0	\$0	\$0	
		steel, anchor base		999999984	SD Steel >16' AB	\$0.00	\$0.00	0.00%	31		\$0	\$0	\$0		31		\$0	\$0	\$0	

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

Contract Street Lighting (Customer Contributory Provisions)

hidden column used by SC5PRICES tab to get RY1 PRICE	Description	Ownership	Billed Watts per Lamp (a)	Rate Year 1		Rate Year 1		FY18 Avg Fest Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)	Increase	0.3%														
				Annual Facility Price (c)	Annual Facility Price (d)	Annual Facility Price (e)	Annual Facility Price (f)	Annual Facility Price (g)	Annual Facility Price (h)	Annual Facility Price (i)	Annual Facility Price (j)	Annual Facility Price (k)	Annual Facility Price (l)	Annual Facility Price (m)	Annual Facility Price (n)	Annual Facility Price (o)	Annual Facility Price (p)											
03 - NMP000032P	Floodlight 250 Roadway 70	customer		\$22.08	\$22.08	0.0%	4	\$0	\$88	\$88	0.0%	4	\$0	\$88	\$88	0.0%	4	\$0	\$88	4	\$0	\$88	\$88	\$0	\$88			
03 - NMP000049P	Fiberglass, anchor base	customer		\$18.96	\$18.96	0.0%	10	\$0	\$190	\$190	0.0%	10	\$0	\$190	\$190	0.0%	10	\$0	\$190	10	\$0	\$190	\$190	\$0	\$190			
03 - NMP000087P	Fiberglass, anchor base	customer		\$25.32	\$25.44	0.5%	44	\$0	\$1,114	\$1,114	0.5%	44	\$0	\$1,114	\$1,114	0.5%	44	\$0	\$1,114	44	\$0	\$1,114	\$1,114	\$0	\$1,114			
03 - NMP000099P	Fiberglass, anchor base	customer		\$65.04	\$65.16	0.2%	10	\$0	\$650	\$650	0.2%	10	\$0	\$650	\$650	0.2%	10	\$0	\$650	10	\$0	\$650	\$650	\$0	\$650			
03 - NMP000107P	for AB standards, all applications	customer		\$41.88	\$42.00	0.3%	44	\$0	\$1,843	\$1,843	0.3%	44	\$0	\$1,843	\$1,843	0.3%	44	\$0	\$1,843	44	\$0	\$1,843	\$1,843	\$0	\$1,843			
03 - NMP000110P	cable only	customer		\$7.56	\$7.56	0.0%	15	\$0	\$113	\$113	0.0%	15	\$0	\$113	\$113	0.0%	15	\$0	\$113	15	\$0	\$113	\$113	\$0	\$113			
03 - NMP000111P	direct buried cable	customer		\$26.16	\$26.28	0.5%	3	\$0	\$78	\$78	0.5%	3	\$0	\$78	\$78	0.5%	3	\$0	\$78	3	\$0	\$78	\$78	\$0	\$78			
03 - NMP000116P	direct buried cable	customer		\$5.28	\$5.28	0.0%	36	\$0	\$190	\$190	0.0%	36	\$0	\$190	\$190	0.0%	36	\$0	\$190	36	\$0	\$190	\$190	\$0	\$190			
03 - NMP000118P	CR EF Cable Only/ft	customer		\$0.12	\$0.12	0.0%	425	\$0	\$51	\$51	0.0%	425	\$0	\$51	\$51	0.0%	425	\$0	\$51	425	\$0	\$51	\$51	\$0	\$51			
03 - NMP000119P	CR EF DB Cable/ft	customer		\$0.48	\$0.48	0.0%	1284	\$0	\$616	\$616	0.0%	1284	\$0	\$616	\$616	0.0%	1284	\$0	\$616	1,284	\$0	\$616	\$616	\$0	\$616			
03 - NMP000309P	Traditional 70	customer		\$29.88	\$30.00	0.4%	5	\$0	\$149	\$149	0.4%	5	\$0	\$149	\$149	0.4%	5	\$0	\$149	5	\$0	\$149	\$149	\$0	\$149			
03 - NMP000315P	Traditional 100	customer		\$29.88	\$30.00	0.4%	24	\$0	\$717	\$717	0.4%	24	\$0	\$717	\$717	0.4%	24	\$0	\$717	24	\$0	\$717	\$717	\$0	\$717			
03 - NMP000321P	Traditional 150	customer		\$24.48	\$24.60	0.5%	15	\$0	\$367	\$367	0.5%	15	\$0	\$367	\$367	0.5%	15	\$0	\$367	15	\$0	\$367	\$369	\$0	\$369			
Annual Total													141,564	\$	12,240	\$	59,182	\$	71,422	\$	141,564	\$	12,272	\$	59,336	\$	71,608	\$

TARGET \$59,429
PROPOSED MINUS TARGET \$0
- \$93

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. 6 - Street Lighting (Customer Owned, Company Maintained)

----- C L O S E D -----

Rate Year 1 T&D rate 0.059354
Proposed T&D rate 0.05951
0.26% increase

Increase 0.3%

Description	Billed Watts per Lamp (a)	Rate Year Facility Class	Rate Year 1		Rate Year 1		Rate Year 1		Rate Year 1		FY'18 Avg Fest Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
			Facility Price (c)	Proposed Annual Facility Price (d)	Annual T&D Revenue (b)	Annual Facility Revenue (i)	Annual Total Revenue (j)	Non Leap Burns (k)							
<u>High Pressure Sodium</u>															
70W Closed	86		\$7.92	\$7.92	\$82	\$30	\$112	347.50	4	1,380	\$82	\$30	\$112		
100W Closed	118		\$9.12	\$9.12	\$5,666	\$1,769	\$7,435	347.50	194	95,460	\$5,681	\$1,769	\$7,450		
150W Closed	173		\$9.60	\$9.60	\$2,484	\$557	\$3,040	347.50	58	41,844	\$2,490	\$557	\$3,047		
250W Closed	304		\$9.36	\$9.36	\$4,891	\$608	\$5,499	347.50	65	82,404	\$4,904	\$608	\$5,512		
400W Closed	470		\$8.16	\$8.16	\$1,978	\$139	\$2,117	347.50	17	33,324	\$1,983	\$139	\$2,122		
<u>Metal Halide</u>															
250W Closed	295		\$53.40	\$53.52	\$803	\$587	\$1,391	347.50	11	13,536	\$806	\$589	\$1,394		
<u>Mercury Vapor</u>															
100W Closed	130		\$6.84	\$6.84	\$1,673	\$356	\$2,029	347.50	52	28,188	\$1,677	\$356	\$2,033		
<u>Continuous Operation</u>															
<u>Additional Charge</u>															
MV 100W Closed	130		\$7.56	\$7.56	\$0	\$0	\$0	730.00	-	-	\$0	\$0	\$0	\$0	
HPS 70 Closed	86		\$8.76	\$8.76	\$0	\$0	\$0	730.00	-	-	\$0	\$0	\$0	\$0	
HPS 100 Closed	118		\$10.08	\$10.08	\$0	\$0	\$0	730.00	-	-	\$0	\$0	\$0	\$0	
HPS 150 Closed	173		\$10.56	\$10.56	\$0	\$0	\$0	730.00	-	-	\$0	\$0	\$0	\$0	
Annual Total	401		\$17,577	\$17,577	\$4,047	\$21,624	\$21,624	296,136	296,136	\$4,048	\$17,623	\$4,048	\$21,671		

\$8,603

TARGET \$17,623

\$4,056

-88

PROPOSED MINUS TARGET

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)

Dusk-to-Dawn Lamp	Rate Year 1 Facility Class	Billed Watts Per Lamp	Annual kWh Per Lamp	(3) Forecast Units	(4) Percent of Total Units	(5) Proposed Annual Facility Charge	(6) Proposed Annual T&D Charge	(7) Forecast Annual Commodity Charge	(8) Forecast Delivery Adjustments	(9) Gross Receipts Tax	(10) Total Annual Charge	(11) Average Charge Per Night	(12) Prorated Average Charge Per Night
High Pressure Sodium													
70W	Standard	86	359	43,820	18.6%	\$8.04	\$31.12	\$12.17	\$2.49	\$0.54	\$54.36	\$0.15	\$0.02796
100W	Standard	118	492	82,836	35.2%	\$8.04	\$42.65	\$16.68	\$3.42	\$0.72	\$71.51	\$0.20	\$0.07047
150W	Standard	173	721	32,467	13.8%	\$8.04	\$62.50	\$24.44	\$5.01	\$1.01	\$101.00	\$0.28	\$0.03867
250W	Standard	304	1,268	25,276	10.8%	\$8.04	\$109.92	\$42.99	\$8.81	\$1.71	\$171.47	\$0.47	\$0.05053
400W	Standard	470	1,960	6,153	2.6%	\$8.04	\$169.91	\$66.45	\$13.62	\$2.61	\$260.63	\$0.71	\$0.01858
1000W	Closed	1106	4,612	313	0.1%	\$16.44	\$399.81	\$156.36	\$32.04	\$6.11	\$610.76	\$1.67	\$0.00222
Metal Halide													
175W	Standard	207	863	2,323	1.0%	\$55.56	\$74.81	\$29.26	\$6.00	\$1.67	\$167.30	\$0.46	\$0.00455
250W	Standard	295	1,230	275	0.1%	\$55.56	\$106.63	\$41.70	\$8.55	\$2.15	\$214.59	\$0.59	\$0.00069
400W	Standard	451	1,881	569	0.2%	\$55.56	\$163.06	\$63.77	\$13.07	\$2.98	\$298.44	\$0.82	\$0.00198
1000W	Closed	1078	4,495	2	0.0%	\$55.56	\$389.67	\$152.40	\$31.23	\$6.35	\$635.21	\$1.74	\$0.00001
Mercury Vapor													
100W	Obsolete	130	542	598	0.3%	\$6.84	\$46.99	\$18.38	\$3.77	\$0.77	\$76.75	\$0.21	\$0.00053
175W	Obsolete	211	880	1,462	0.6%	\$6.84	\$76.29	\$29.84	\$6.11	\$1.20	\$120.28	\$0.33	\$0.00205
400W	Obsolete	477	1,989	372	0.2%	\$6.84	\$172.43	\$67.43	\$13.82	\$2.63	\$263.15	\$0.72	\$0.00114
1000W	Obsolete	1095	4,566	4	0.0%	\$13.08	\$395.83	\$154.80	\$31.72	\$6.01	\$601.44	\$1.65	\$0.00003
LED													
LL Roadway LED-B	Standard	25	104	16,086	6.8%	\$84.00	\$9.02	\$3.53	\$0.72	\$0.98	\$98.25	\$0.27	\$0.01847
LL Roadway LED-C	Standard	48	200	15,137	6.4%	\$88.80	\$17.34	\$6.78	\$1.39	\$1.15	\$115.46	\$0.32	\$0.02060
LL Roadway LED-D	Standard	96	400	5,963	2.5%	\$110.40	\$34.68	\$13.56	\$2.78	\$1.63	\$163.05	\$0.45	\$0.01141
LL Roadway LED-F	Standard	210	876	1,454	0.6%	\$119.40	\$75.94	\$29.70	\$6.09	\$2.33	\$233.46	\$0.64	\$0.00396
Total		235,109		100.0%		Proposed SC-2 Outage Credit per Lamp per Night:		\$0.27					

Proposed Base T&D rate (a) 0.08669

Forecast Volumetric Delivery Adjustments (b)

DLM Surcharge	0.00006	Forecast Commodity Charges (2)	
Legacy Transition Charge	0.001189	Electricity Supply Cost (Weighted)	0.03001
Renewable Portfolio Surcharge	0.000000	Merchant Function Charge	0.00027
System Benefit Charge	0.005701	Electricity Supply Reconciliation Mechanism	0.00363
Incremental Statement Assessment Surcharge	0.000000	Sum	0.033904
Transmission Revenue Adjustment	0.000000	Revenue Tax on Delivery and Commodity Bill	1.0101%
Sum	0.00695		

(a) Source: Appendix 2, Schedule 8.2b
(b) Source: Appendix 2, Schedule 8.14b

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. 3 - Street Lighting (Customer Owned and Maintained)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Rate Year 1 Facility Class	Billed Watts Per Lamp	Annual kWh Per Lamp	Forecast Units	Percent of Total Units	Proposed Annual Facility Charge	Proposed Annual T&D Charge	Forecast Annual Commodity Charge	Forecast Delivery Adjustments	Gross Receipts Tax	Total Annual Charge	Average Charge Per Night	Prorated Average Charge Per Night
High Pressure Sodium												
70W Standard	86	359	see note	22.3%	n/a	\$21.36	\$12.17	\$2.49	\$0.36	\$36.38	\$0.10	\$0.02230
100W Standard	118	492	see note	42.2%	n/a	\$29.28	\$16.68	\$3.42	\$0.50	\$49.88	\$0.14	\$0.05903
150W Standard	173	721	see note	16.5%	n/a	\$42.91	\$24.44	\$5.01	\$0.73	\$73.09	\$0.20	\$0.03305
250W Standard	304	1,268	see note	12.9%	n/a	\$75.46	\$42.99	\$8.81	\$1.29	\$128.55	\$0.35	\$0.04503
400W Standard	470	1,960	see note	3.1%	n/a	\$116.64	\$66.45	\$13.62	\$1.99	\$198.70	\$0.54	\$0.01691
1000W Closed	1,106	4,612	see note	0.2%	n/a	\$274.46	\$156.36	\$32.04	\$4.68	\$467.54	\$1.28	\$0.00204
Metal Halide												
175W Standard	207	863	see note	1.2%	n/a	\$51.36	\$29.26	\$6.00	\$0.87	\$87.49	\$0.24	\$0.00284
250W Standard	295	1,230	see note	0.1%	n/a	\$73.20	\$41.70	\$8.55	\$1.25	\$124.70	\$0.34	\$0.00048
400W Standard	451	1,881	see note	0.3%	n/a	\$111.94	\$63.77	\$13.07	\$1.91	\$190.69	\$0.52	\$0.00151
1000W Closed	1078	4,495	see note	0.0%	n/a	\$267.50	\$152.40	\$31.23	\$4.56	\$455.69	\$1.25	\$0.00001
Mercury Vapor												
100W Obsolete	130	542	see note	0.3%	n/a	\$32.25	\$18.38	\$3.77	\$0.55	\$54.95	\$0.15	\$0.00046
175W Obsolete	211	880	see note	0.7%	n/a	\$52.37	\$29.84	\$6.11	\$0.89	\$89.21	\$0.24	\$0.00179
400W Obsolete	477	1,989	see note	0.2%	n/a	\$118.37	\$67.43	\$13.82	\$2.02	\$201.64	\$0.55	\$0.00104
1000W Obsolete	1095	4,566	see note	0.0%	n/a	\$271.72	\$154.80	\$31.72	\$4.63	\$462.87	\$1.27	\$0.00003
Total				100.0%								\$0.19
Proposed Base T&D rate (a)	0.05951											
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	0.000000											
Sum	0.00695											
Forecast Commodity Charges (2)												
Electricity Supply Cost (Weighted)								0.03001				365
Merchant Function Charge								0.00027				4,170
Electricity Supply Reconciliation Mechanism								0.00363				
Sum								0.033904				
Revenue Tax on Delivery and Commodity Bill								1.0101%				

(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
Rate Year 2 Revenue at Rate Year 1 and Proposed Rates
Development of Proposed Outage Credit Allowance
Service Classification No. 6 - Street Lighting (Customer Owned, Company Maintained)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Rate Year 1 Facility Class	Billed Watts Per Lamp	Annual kWh Per Lamp	Avg Monthly Forecast Units	Percent of Total Units	Proposed Annual Facility Charge	Proposed Annual T&D Charge	Forecast Annual Commodity Charge	Forecast Delivery Adjustments	Gross Receipts Tax	Total Annual Charge	Average Charge Per Night	Prorated Average Charge Per Night
High Pressure Sodium												
70W	Closed 86	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	Closed 173	721	58	14.5%	\$9.60	\$42.91	\$24.44	\$5.01	\$0.83	\$82.79	\$0.23	\$0.03328
250W	Closed 304	1,268	65	16.2%	\$9.36	\$75.46	\$42.99	\$8.81	\$1.38	\$138.00	\$0.38	\$0.06162
400W	Closed 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	11	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	100.0%								\$0.23

Proposed Base T&D rate (a)		0.05951	
Forecast Volumetric Delivery Adjustments (b)		Forecast Commodity Charges (2)	Days/Year
DLM Surcharge	0.00006	Electricity Supply Cost (Weighted)	Burn Hours/Year
Legacy Transition Charge	0.001189	Merchant Function Charge	
Renewable Portfolio Surcharge	0.000000	Electricity Supply Reconciliation Mechanism	
System Benefit Charge	0.005701	Sum	
Incremental Statement Assessment Surcharge	0.000000	Revenue Tax on Delivery and Commodity Bill	1.0101%
Transmission Revenue Adjustment	0.000000		
Sum	0.00695		

(a) Source: Appendix 2, Schedule 8.2b
(b) Source: Appendix 2, Schedule 8.14b

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. NO. 214 ELECTRICITY
Rate Year 1 and Proposed Volumetric Rates for Customer Impact Analysis
RATE YEAR 2

	Rate Year 2 (FY 2020) at Rate Year 1 Rates			Rate Year 2 (FY 2020) at Proposed Rates			Percentage Change in Rate					
	SC-1	SC-2/Contract	SC-3/SC-6	SC-4	SC-1	SC-2/Contract	SC-3/SC-6	SC-4	SC-1	SC-2/Contract	SC-3/SC-6	SC-4
COMMODITY RATES												
Note												
(1)	Electricity Supply Cost - Western	0.02586	0.02586	0.03305	0.02586	0.02586	0.03305	0.03305	0.0%	0.0%	0.0%	0.0%
(1)	Electricity Supply Cost - Central	0.02606	0.02606	0.03199	0.02606	0.02606	0.03199	0.03199	0.0%	0.0%	0.0%	0.0%
(1)	Electricity Supply Cost - Eastern	0.03812	0.03812	0.04356	0.03812	0.03812	0.04356	0.04356	0.0%	0.0%	0.0%	0.0%
(2)	MFC (Merchant Function Charge)	0.00027	0.00027	0.00027	0.00027	0.00027	0.00027	0.00027	0.0%	0.0%	0.0%	0.0%
(3)	MFC (Merchant Function Charge %)	0.778%	0.778%	0.778%	0.778%	0.778%	0.778%	0.778%	0.0%	0.0%	0.0%	0.0%
	ESRM & CESS	0.00363	0.00363	0.00363	0.00363	0.00363	0.00363	0.00363	0.0%	0.0%	0.0%	0.0%
	TOTAL COMMODITY (WESTERN)	0.029957	0.029957	0.037211	0.029957	0.029957	0.037211	0.037211	0.0%	0.0%	0.0%	0.0%
	TOTAL COMMODITY (CENTRAL)	0.030166	0.030166	0.036141	0.030166	0.030166	0.036141	0.036141	0.0%	0.0%	0.0%	0.0%
	TOTAL COMMODITY (EASTERN)	0.042313	0.042313	0.047802	0.042313	0.042313	0.047802	0.047802	0.0%	0.0%	0.0%	0.0%
DELIVERY RATES												
(4)	Base T&D Rates	0.08646	0.08646	0.01080	0.08669	0.08669	0.01083	0.01083	0.3%	0.3%	0.3%	0.2%
(5)	DLM	0.000057	0.000057	0.000057	0.000057	0.000057	0.000057	0.000057	0.0%	0.0%	0.0%	0.0%
(6)	LTC (Legacy Transition Charge)	0.001189	0.001189	0.001189	0.001189	0.001189	0.001189	0.001189	0.0%	0.0%	0.0%	0.0%
(7)	SBC w/EE (System Benefit Charge)	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 - Delivery	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0%	0.0%	0.0%	0.0%
(9)	Transmission Revenue Adjustment (TRA)	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	0.017751	0.093637	0.093637	0.017777	0.017777	0.2%	0.2%	0.2%	0.1%
	TOTAL VOLUMETRIC RATE (WESTERN)	0.123367	0.123367	0.096258	0.123594	0.123594	0.096414	0.096414	0.2%	0.2%	0.2%	0.0%
	TOTAL VOLUMETRIC RATE (CENTRAL)	0.123576	0.123576	0.096467	0.123803	0.123803	0.096623	0.096623	0.2%	0.2%	0.2%	0.0%
	TOTAL VOLUMETRIC RATE (EASTERN)	0.135723	0.135723	0.108614	0.135950	0.135950	0.108770	0.108770	0.2%	0.2%	0.2%	0.0%

(1) 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	0.2%	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	0.2%	0.3%
SC-6	296,136	\$17,577 53%	\$4,045 12%	\$2,057 6%	\$9,582 29%	\$33,262	\$57	0.2%	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%

SC1 Customer Bill Impact Analysis 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 impact)			6098	100%	\$ 1,839	\$ 0

SC2 Customer Bill Impact Analysis 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%	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%	\$ -	
Totals (annual impact)			765	100%	\$ 72,978	\$ 95

SC3 Customer Bill Impact Analysis 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%	\$ -	
Totals (annual impact)			130	100%	\$ (987)	\$ (8)

SC4 Customer Bill Impact Analysis 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 impact)			135	100%	\$ 1,459	\$ 11

SC5 Customer Bill Impact Analysis 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 impact)			6	100%	\$ 1,002	\$ 167

SC6 Customer Bill Impact Analysis 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%	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%	\$ -	
Totals (annual impact)			9	100%	\$ (216)	\$ (24)

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 ³	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%
¹ 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%
² 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 ¹	Target Revenue	Dollar Increase	% Increase
\$54,304,938	\$54,304,938	\$502,312	0.9%

Target Rate Year Revenues

Service Class	Proposed Usage	Target T&D Rate ²	T&D Revenue	Facility Revenue	Total Revenue	Pct. of Service Class Revenue from T&D	Pct. of Total Revenue	Facility Price Increase %	Revenue Neutral SC1/SC2/Cnt T&D Revenue	Revenue Neutral SC1/SC2/Cnt 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%			
			Dollar Increase:	\$137,391	\$364,920	\$502,312				
			Percent 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

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	180,528,874		\$14,853,535	\$39,471,162	\$54,324,697	27.3%	100.0%	0.9%	1.0%
			Dollar Increase:	\$137,532	\$384,539	\$522,071			
			Percent Increase:	0.9%	1.0%	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
<i>Proposed minus Target</i>	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
<i>Proposed minus Target</i>	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
<i>Proposed minus Target</i>	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)

	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
<i>Proposed minus Target</i>	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
<i>Proposed minus Target</i>	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
<i>Proposed minus Target</i>	n/a	0.00000	\$1	\$6	\$7
			0.01%	0.15%	0.03%

Total P.S.C. No. 214 Electricity

	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
<i>Proposed minus Target</i>	n/a	n/a	\$141	\$19,618	\$19,759
			0.00%	0.05%	0.04%

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)

0.9%

1

Use Group, Tariff Prices

Description	Rate Year 2 Facility Class	Billed Annual kWh per Lamp	Rate Year 2 Proposed		Percent Change Facility Price	Rate Year 2 Wtd Combined Price	2016 Avg Units Billed	Rate Year 2 Annual Usage	Rate Year 2 Annual		Rate Year 2 Annual		FY18 Avg Units	Proposed Annual Facility Revenue	Proposed Annual T&D Revenue	Proposed Annual Total Revenue
			Facility Price	Price					Revenue	Revenue	Revenue	Revenue				
LAMP & LUMINAIRE																
High Pressure Sodium																
Couch, 70W	Closed	360	\$116.64	\$117.72	0.9%	\$117.72	12.0	4,320	\$375	\$1,400	\$1,774	12	\$378	\$1,413	\$1,791	
Couch, 100W	Closed	492	\$116.64	\$117.72	0.9%	\$117.72	1.0	492	\$43	\$117	\$159	1	\$43	\$118	\$161	
Couch, 150W	Closed	720	\$116.64	\$117.72	0.9%	\$117.72	17.0	12,240	\$1,061	\$1,983	\$3,044	17	\$1,061	\$2,001	\$3,072	
Edison, 70W	Closed	360	\$116.64	\$117.72	0.9%	\$117.72	25.0	9,000	\$780	\$2,916	\$3,696	25	\$788	\$2,943	\$3,731	
Edison, 100W	Closed	492	\$116.64	\$117.72	0.9%	\$117.72	90.0	44,280	\$3,839	\$10,498	\$14,336	90	\$3,875	\$10,595	\$14,469	
Edison, 150W	Closed	720	\$116.64	\$117.72	0.9%	\$117.72	0.0	-	\$0	\$0	\$0	0	\$0	\$0	\$0	
Floodlight, 250W	Standard	1,272	\$77.04	\$77.76	0.9%	\$77.76	1145.7	1,457,288	\$126,332	\$88,262	\$214,594	1145.67	\$127,513	\$89,087	\$216,600	
Floodlight, 400W	Standard	1,956	\$77.04	\$77.76	0.9%	\$77.76	1664.1	3,254,947	\$282,171	\$128,201	\$410,372	1664.08	\$284,808	\$129,399	\$414,207	
Roadway, 70W	Standard	360	\$63.12	\$63.72	1.0%	\$63.72	518.8	186,750	\$18,189	\$32,744	\$48,933	518.75	\$18,341	\$33,055	\$49,395	
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	\$102,686	\$132,994	\$222,847	
Roadway, 150W	Standard	720	\$63.12	\$63.72	1.0%	\$63.72	1924.7	1,385,760	\$120,131	\$121,485	\$241,616	1924.67	\$121,254	\$243,894		
Roadway, 250W	Standard	1,272	\$63.12	\$63.72	1.0%	\$63.72	1441.6	1,833,694	\$158,963	\$90,993	\$249,955	1441.58	\$160,448	\$252,306		
Roadway, 400W	Standard	1,956	\$63.12	\$63.72	1.0%	\$63.72	1719.2	3,362,690	\$291,511	\$108,514	\$400,025	1719.17	\$294,235	\$403,781		
Shoobox, 100W	Closed	492	\$94.44	\$95.28	0.9%	\$95.28	0.0	-	\$0	\$0	\$0	0	\$0	\$0	\$0	
Shoobox, 150W	Closed	720	\$94.44	\$95.28	0.9%	\$95.28	0.0	-	\$0	\$0	\$0	0	\$0	\$0	\$0	
Shoobox, 250W	Closed	1,272	\$94.44	\$95.28	0.9%	\$95.28	1.0	1,272	\$110	\$94	\$205	1	\$111	\$95	\$207	
Shoobox, 400W	Closed	1,956	\$94.44	\$95.28	0.9%	\$95.28	8.0	15,648	\$1,357	\$756	\$2,112	8	\$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	\$205	\$414	\$619	
Traditional, 100W	Closed	492	\$63.12	\$63.72	1.0%	\$63.72	19.0	9,348	\$810	\$1,199	\$2,010	19	\$818	\$1,211	\$2,029	
Traditional, 150W	Closed	720	\$63.12	\$63.72	1.0%	\$63.72	2.0	1,440	\$125	\$126	\$251	2	\$126	\$127	\$253	
Floodlight, 1000W	Obsolete	4,620	\$95.64	\$96.48	0.9%	\$96.48	281.2	1,298,990	\$112,609	\$26,891	\$139,500	281.167	\$113,662	\$27,127	\$140,789	
Roadway, 1000W	Obsolete	4,620.0	\$132.72	\$133.92	0.9%	\$133.92	179.7	830,060	\$71,958	\$23,845	\$95,803	179.667	\$72,630	\$24,061	\$96,691	
Metal Halide																
Floodlight, 400W	Standard	1,884	\$88.68	\$89.52	0.9%	\$89.52	891.5	1,679,586	\$145,603	\$79,058	\$224,661	891.5	\$146,964	\$79,807	\$226,771	
Shoobox, 400W	Closed	1,884	\$88.68	\$89.52	0.9%	\$89.52	32.0	60,288	\$5,226	\$2,838	\$8,064	32	\$5,275	\$2,865	\$8,140	
Shoobox, 1000W	Closed	4,500	\$88.68	\$89.52	0.9%	\$89.52	0.0	-	\$0	\$0	\$0	0	\$0	\$0	\$0	
LL Flood MH 250	Standard	1,236	\$88.68	\$89.52	0.9%	\$89.52	0.0	-	\$0	\$0	\$0	0	\$0	\$0	\$0	
LL Flood MH 400	Standard	1,884	\$88.68	\$89.52	0.9%	\$89.52	29.8	56,049	\$4,859	\$2,638	\$7,497	29.75	\$4,904	\$2,663	\$7,568	
LL Flood MH 1000	Standard	4,500	\$88.68	\$89.52	0.9%	\$89.52	0.0	-	\$0	\$0	\$0	0	\$0	\$0	\$0	
Mercury Vapor																
Floodlight, 400W	Obsolete	1,992	\$64.56	\$65.16	0.9%	\$65.16	75.3	149,898	\$12,995	\$4,858	\$17,853	75.25	\$13,116	\$4,903	\$18,019	
Floodlight, 1000W	Obsolete	4,572	\$98.28	\$99.24	1.0%	\$99.24	84.7	387,096	\$33,557	\$8,321	\$41,878	84.6667	\$33,871	\$8,402	\$42,273	
Roadway, 175W	Obsolete	876	\$64.56	\$65.16	0.9%	\$65.16	1810.9	1,586,363	\$116,913	\$116,913	\$233,826	1810.92	\$117,999	\$117,999	\$235,998	
Roadway, 400W	Obsolete	1,992	\$64.56	\$65.16	0.9%	\$65.16	1059.2	2,109,860	\$182,903	\$68,380	\$251,283	1059.17	\$184,613	\$69,015	\$253,628	
Roadway, 1000W	Obsolete	4,572	\$138.96	\$140.28	0.9%	\$140.28	212.1	969,645	\$84,058	\$29,471	\$113,529	212.083	\$84,844	\$29,751	\$114,595	
POLES/STANDARDS																
Overhead Service																
Additional Wood Pole	Standard		\$80.76	\$81.48	0.9%		3963.9	-	\$0	\$320,126	\$320,126	3963.92	\$0	\$322,980	\$322,980	
Underground Service																
Standards ≥ 16 ft																
Aluminum - AB - w/dvht	Closed		\$222.00	\$224.04	0.9%		17.0	-	\$0	\$3,774	\$3,774	17	\$0	\$3,809	\$3,809	
Aluminum - AB - square	Closed		\$486.84	\$491.40	0.9%		17.0	-	\$0	\$8,276	\$8,276	17	\$0	\$8,354	\$8,354	
Fiberglass - AB - w/pendant arm	Closed		\$150.60	\$152.04	1.0%		0.0	-	\$0	\$0	\$0	0	\$0	\$0	\$0	
Standard = 16 ft																
Aluminum - AB - square	Closed		\$297.36	\$300.12	0.9%		0.0	-	\$0	\$0	\$0	0	\$0	\$0	\$0	
Fiberglass, AB	Closed		\$77.04	\$77.76	0.9%		108.0	-	\$0	\$8,320	\$8,320	108	\$0	\$8,398	\$8,398	
Fiberglass, direct embedded (DE)	Closed		\$103.08	\$104.04	0.9%		62.5	-	\$0	\$6,443	\$6,443	62.5	\$0	\$6,503	\$6,503	
SD Alum = <16' AB SQ	Standard		\$297.36	\$300.12	0.9%		0.0	-	\$0	\$0	\$0	0	\$0	\$0	\$0	

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)

Description	Rate Year 2 Class	Rate Year 2 Facility	Billed Annual kWh per Lamp	Rate Year 2		Percent Change Facility Price	Tariff		2016 Avg Units Billed	Rate Year 2 Annual Usage	Rate Year 2		Rate Year 2		FY18 Avg Fest Units	Proposed Annual Facility Revenue	Proposed T&D Revenue	Proposed Annual Revenue	Proposed Total Revenue	
				Annual Price	Facility Price		Wgtd Combined Price	Annual T&D Revenue			Annual Facility Revenue	Annual Total Revenue								
Rate Year 2 T&D rate	0.08669																			
Proposed T&D rate	0.0875																			0.9%
Concrete - Cast-In-Place (CIP)																				
For AB standard > 16 ft.	Closed					0.9%		9.0	-	\$0	\$2,328	\$2,328	\$0	\$2,328	9	\$0	\$2,350	\$2,350	\$2,350	
For AB standard <= 16 ft.	Closed					1.0%		0.0	-	\$0	\$0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	
Concrete - Pre-Cast (PC)																				
for AB standards	Closed					0.9%		7.0	-	\$0	\$1,083	\$1,083	\$0	\$1,083	7	\$0	\$1,093	\$1,093	\$1,093	
Mechanical - Screw Type																				
for AB standards	Obsolete					0.9%		126.0	-	\$0	\$14,651	\$14,651	\$0	\$14,651	126	\$0	\$14,787	\$14,787	\$14,787	
Overhead Service - one span																				
Standard	Standard					1.0%		4787.3	-	\$0	\$179,809	\$179,809	\$0	\$179,809	4787.25	\$0	\$181,533	\$181,533	\$181,533	
Underground Service																				
Cable and conduit, per foot	Closed					0.0%		1997.0	-	\$0	\$4,553	\$4,553	\$0	\$4,553	1997	\$0	\$4,553	\$4,553	\$4,553	
Cable only, per foot	Closed					0.0%		772.0	-	\$0	\$278	\$278	\$0	\$278	772	\$0	\$278	\$278	\$278	
Direct buried cable, per foot	Closed					0.0%		6694.1	-	\$0	\$9,639	\$9,639	\$0	\$9,639	6694.08	\$0	\$9,639	\$9,639	\$9,639	
Annual Total									21,736,230		\$1,884,933	\$3,528,244		\$1,643,933	21,736,230	\$1,901,920	\$1,659,128	\$3,561,048	\$3,561,048	

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

CIRCUITRY

Overhead Service - one span

Standard

Underground Service

Cable and conduit, per foot

Cable only, per foot

Direct buried cable, per foot

New Facility additions (no billed quantities)

LL Roadway LED-A	Standard	\$0.00	\$0.00
LL Roadway LED-B	Standard	\$84.00	\$84.24
LL Roadway LED-C	Standard	\$88.80	\$89.04
LL Roadway LED-D	Standard	\$110.40	\$110.76
LL Roadway LED-E	Standard	\$0.00	\$0.00
LL Roadway LED-F	Standard	\$119.40	\$119.76

TARGET

\$1,901,903
\$17
\$1,659,384
-\$256
Error due to Tariff Rate rounding

PROPOSED MINUS TARGET

\$17
-\$256
Error due to Tariff Rate rounding

0.92%

NIAGARA MOHAWK POWER CORPORATION/d/b/a NATIONAL GRID

P.S.C. No. 21-14 ELECTRICITY

Rate Year 3 Revenue at Rate Year 2 and Proposed Rates

Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Description	Billed Rate Year 2 Facility Class	Watts per Lamp	Rate Year 2			Rate Year 2			Rate Year 2			Rate Year 2			Rate Year 2			Rate Year 2			Rate Year 2			Rate Year 2		
			Facility	Price	Annual	Facility	Price	Annual	Facility	Price	Annual	Facility	Price	Annual	Facility	Price	Annual	Facility	Price	Annual	Facility	Price	Annual	Facility	Price	Annual
			(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)	(y)	(z)
Rate Year 2 T&D rate Proposed T&D rate 0.93%/increase	0.08669 0.08750																									
High Pressure Sodium																										
70W Standard	86	\$8.04	\$8.16	1.5%	\$ 8.16	43,820	15,714,890	\$1,562,321	\$352,216	\$1,714,638	347.50	43,820	15,714,890	\$1,375,053	\$35,575	\$1,752,628										
24 HR - 70W Standard	86	\$16.08	\$16.20	0.7%	\$ 16.20																					
100W 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	\$4,249,468										
24 HR - 100W Standard	118	\$16.08	\$16.20	0.7%	\$ 16.20	38	38,920	\$3,374	\$605	\$3,979	730.00	38	38,920	\$3,406	\$610	\$4,016										
150W Standard	173	\$8.04	\$8.16	1.5%	\$ 8.16	32,467	23,421,848	\$2,030,437	\$261,033	\$2,291,469	347.50	32,467	23,421,848	\$2,049,412	\$264,929	\$2,314,340										
24 HR - 150W Standard	173	\$16.08	\$16.20	0.7%	\$ 16.20	104	158,170	\$13,712	\$1,678	\$15,390	730.00	104	158,170	\$13,840	\$1,691	\$15,531										
250W 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										
400W Standard	470	\$8.04	\$8.16	1.5%	\$ 8.16	88	235,348	\$20,402	\$1,421	\$21,823	730.00	88	235,348	\$20,593	\$1,432	\$22,025										
24 HR - 400W Standard	470	\$16.08	\$16.20	0.7%	\$ 16.20	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										
1000W Closed	1106	\$16.44	\$16.56	0.7%	\$ 16.56	313	1,442,177	\$125,022	\$5,141	\$130,163	347.50	313	1,442,177	\$126,191	\$5,178	\$131,369										
Metal Halide																										
175W Standard	207	\$55.56	\$56.16	1.1%	\$ 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										
250W Standard	295	\$55.56	\$56.16	1.1%	\$ 56.16	275	338,281	\$29,326	\$15,729	\$44,604	347.50	275	338,281	\$29,600	\$15,444	\$45,043										
400W Standard	451	\$55.56	\$56.16	1.1%	\$ 56.16	569	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	2	7,321	\$635	\$90	\$725	347.50	2	7,321	\$641	\$91	\$732										
Mercury-Vapor																										
100W Obsolete	130	\$6.84	\$6.96	1.8%	\$ 6.96	598	323,973	\$28,085	\$4,088	\$32,173	347.50	598	323,973	\$28,348	\$4,159	\$32,507										
175W Obsolete	211	\$6.84	\$6.96	1.8%	\$ 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										
400W 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										
1000W Obsolete	1095	\$13.08	\$13.20	0.9%	\$ 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	-	-	\$0	\$0	\$0	347.50	-	-	\$0	\$0	\$0										
LAMP & LUMINAIRE																										
MY 100W Open Reflector	130	\$87.84	\$88.68	1.0%	\$ 88.68	44	23,852	\$2,068	\$3,865	\$5,933	347.50	44	23,852	\$2,087	\$3,902	\$5,989										
HPS 1000W High-Mist (6 unit) Closed	6636	\$1,019.28	\$1,029.24	1.0%	\$ 1,029.24	8	221,377	\$19,191	\$8,154	\$27,345	347.50	8	221,377	\$19,370	\$8,234	\$27,604										
Incandescent																										
<2500 lumen, Open Reflector	202	\$75.12	\$75.84	1.0%	\$ 75.84	-	-	\$0	\$0	\$0	347.50	-	-	\$0	\$0	\$0										
<2500 lumen, Std Luminaire	202	\$97.32	\$98.28	1.0%	\$ 98.28	1	842	\$73	\$97	\$170	347.50	1	842	\$74	\$98	\$172										
4000 lumen, Open	327	\$86.52	\$87.36	1.0%	\$ 87.36	-	-	\$0	\$0	\$0	347.50	-	-	\$0	\$0	\$0										
4000 lumen, Enclosed	327	\$100.32	\$101.28	1.0%	\$ 101.28	4	5,113	\$443	\$376	\$819	347.50	4	5,113	\$447	\$380	\$827										
6000 lumen, Enclosed	448	\$100.20	\$101.16	1.0%	\$ 101.16	-	-	\$0	\$0	\$0	347.50	-	-	\$0	\$0	\$0										
10000 lumen, Enclosed	690	\$152.04	\$153.48	0.9%	\$ 153.48	-	-	\$0	\$0	\$0	347.50	-	-	\$0	\$0	\$0										
LUMINAIRES																										
Aspen Grove 100 Standard		\$101.04	\$102.00	1.0%	\$ 102.00	6,698	\$676,724	\$0	\$676,724	\$676,724		6,698	\$676,724	\$0	\$683,154	\$683,154										
Aspen Grove 150 Standard		\$101.04	\$102.00	1.0%	\$ 102.00	2,084	\$210,609	\$0	\$210,609	\$210,609		2,084	\$210,609	\$0	\$212,611	\$212,611										
Aspen Grove 175 Standard		\$101.04	\$102.00	1.0%	\$ 102.00	278	\$28,089	\$0	\$28,089	\$28,089		278	\$28,089	\$0	\$28,356	\$28,356										
Aspen Grove 70 Standard		\$101.04	\$102.00	1.0%	\$ 102.00	7,448	\$752,546	\$0	\$752,546	\$752,546		7,448	\$752,546	\$0	\$759,696	\$759,696										
Buttfile Globe (5 unit), 250		\$505.32	\$510.24	1.0%	\$ 510.24	-	\$0	\$0	\$0	\$0		-	\$0	\$0	\$0	\$0										
Central Park 100 Standard		\$123.36	\$124.56	1.0%	\$ 124.56	1,354	\$167,029	\$0	\$167,029	\$167,029		1,354	\$167,029	\$0	\$168,654	\$168,654										
Central Park 175 Standard		\$123.36	\$124.56	1.0%	\$ 124.56	864	\$106,573	\$0	\$106,573	\$106,573		864	\$106,573	\$0	\$107,609	\$107,609										
Couch 100 Standard		\$73.44	\$74.16	1.0%	\$ 74.16	1,299	\$95,411	\$0	\$95,411	\$95,411		1,299	\$95,411	\$0	\$96,346	\$96,346										
Couch 150 Standard		\$73.44	\$74.16	1.0%	\$ 74.16	179	\$13,146	\$0	\$13,146	\$13,146		179	\$13,146	\$0	\$13,275	\$13,275										
Couch 175 Standard		\$57.60	\$58.20	1.0%	\$ 58.20	20	\$1,152	\$0	\$1,152	\$1,152		20	\$1,152	\$0	\$1,164	\$1,164										
Couch 70 Standard		\$73.44	\$74.16	1.0%	\$ 74.16	1,897	\$139,316	\$0	\$139,316	\$139,316		1,897	\$139,316	\$0	\$140,682	\$140,682										
Contemporary 70 Obsolete		\$77.76	\$78.48	0.9%	\$ 78.48	192	\$14,930	\$0	\$14,930	\$14,930		192	\$14,930	\$0	\$15,068	\$15,068										
Contemporary 100 Obsolete		\$77.76	\$78.48	0.9%	\$ 78.48	163	\$12,688	\$0	\$12,688	\$12,688		163	\$12,688	\$0	\$12,805	\$12,805										
Contemporary 150 Obsolete		\$77.76	\$78.48	0.9%	\$ 78.48	24	\$1,866	\$0	\$1,866	\$1,866		24	\$1,866	\$0	\$1,884	\$1,884										
Contemporary 175 Obsolete		\$77.76	\$78.48	0.9%	\$ 78.48	24	\$1,866	\$0	\$1,866	\$1,866		24	\$1,866	\$0	\$1,884	\$1,884										
Contemporary 250 Obsolete		\$77.76	\$78.48	0.9%	\$ 78.48	-	\$0	\$0	\$0	\$0		-	\$0	\$0	\$0	\$0										
Contemporary 400 Obsolete		\$77.76	\$78.48	0.9%	\$ 78.48	-	\$0	\$0	\$0	\$0		-	\$0	\$0	\$0	\$0										
Delaware Park 150 Standard		\$200.16	\$202.08	1.0%	\$ 202.08	295	\$58,997	\$0	\$58,997	\$58,997		295	\$58,997	\$0	\$59,563	\$59,563										
Delaware Park 175 Standard		\$200.16	\$202.08	1.0%	\$ 202.08	251	\$50,140	\$0	\$50,140	\$50,140		251	\$50,140	\$0	\$50,621	\$50,621										

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 2-14 ELECTRICITY

Service Classification No. 2 - Street Lighting (Company Owned and Maintained) - FACILITIES WITH PRICE EXCEPTIONS

Rate Year 3 Revenue at Rate Year 2 and Proposed Rates

Rate Year 2 T & D rate
Proposed T & D rate
0.08669
0.0875

Customer	Billcode Description	Price Exception	Watts per Lamp	Rate Year		Proposed Annual Facility Price	Percent Change Facility Price	Rate Year 2		Rate Year 2 Annual T&D Revenue	Non Leap Yr Burns	FY18 Fcst Units	Proposed Annual Usage	Proposed Annual T&D Revenue	Proposed Annual Facility Revenue	Proposed Annual Total Revenue
				Rate Year	Rate Year 2			Rate Year 2 Annual Facility Price	Rate Year 2 Annual T&D Revenue							
AMHERST CENTRAL SCHOOL D	FD Concrete >16'	5,243,017,740	21852	703.39	3.1%	372.59	3.1%	80	\$282	\$282	-	4	-	\$0	\$290	\$290
AMHERST CENTRAL SCHOOL D	CR UG Cable & Cndt	4,356,054,170	11988	\$110.57	3.1%	\$114.02	3.1%	4	\$42	\$42	-	4	-	\$0	\$46	\$46
								Subtotal:	\$724	\$724	-	Subtotal:	-	\$0	\$746	\$746
CHAUTAQUA UTILITY DIST	LL Open IN 1000	8,975,335,963	8412817	\$83.35	3.1%	\$85.95	3.1%	62.2	\$5,182	\$5,182	347.50	62	26,702	\$2,336	\$5,343	\$7,680
CHAUTAQUA UTILITY DIST	PL Wood OH	6,131,161,511	2970476	\$29.43	3.1%	\$30.35	3.1%	77.5	\$2,281	\$2,281	-	78	-	\$0	\$2,352	\$2,352
								Subtotal:	\$7,462	\$7,777	-	Subtotal:	26,702	\$2,336	\$7,695	\$10,032
CITY OF BUFFALO	FD Concrete <=16'	6,046,143,561	21852	\$34.55	3.1%	\$35.63	3.1%	17.0	\$587	\$587	-	17	-	\$0	\$606	\$606
CITY OF BUFFALO	FD Concrete <=16'	8,938,042,980	21852	\$28.20	3.1%	\$29.08	3.1%	25.3	\$714	\$714	-	25	-	\$0	\$737	\$737
CITY OF BUFFALO	FD Concrete <=16'	9,147,825,578	21852	\$14.03	3.1%	\$14.47	3.1%	14.8	\$207	\$207	-	15	-	\$0	\$213	\$213
CITY OF BUFFALO	FD Concrete >16'	220,850,408	21852	\$46.30	3.1%	\$47.75	3.1%	605.6	\$28,039	\$28,039	-	606	-	\$0	\$28,917	\$28,917
CITY OF BUFFALO	FD Concrete >16'	1,461,426,714	21852	\$58.67	3.1%	\$60.50	3.1%	123.8	\$7,260	\$7,260	-	124	-	\$0	\$7,487	\$7,487
CITY OF BUFFALO	FD Concrete >16'	1,789,300,004	21852	\$35.81	3.1%	\$36.93	3.1%	583.6	\$20,898	\$20,898	-	584	-	\$0	\$21,552	\$21,552
CITY OF BUFFALO	FD Concrete >16'	5,017,348,183	21852	\$51.88	3.1%	\$53.50	3.1%	1034.7	\$53,679	\$53,679	-	1035	-	\$0	\$55,355	\$55,355
CITY OF BUFFALO	CR UG Cable & Cndt	2,127,072,470	11988	\$92.17	3.1%	\$95.05	3.1%	124.3	\$11,460	\$11,460	-	124	-	\$0	\$11,818	\$11,818
CITY OF BUFFALO	CR UG Cable & Cndt	4,159,199,691	11988	\$92.01	3.1%	\$94.88	3.1%	17.0	\$1,564	\$1,564	-	17	-	\$0	\$1,613	\$1,613
CITY OF BUFFALO	CR UG Cable & Cndt	4,571,348,813	11988	\$45.71	3.1%	\$47.14	3.1%	2274.7	\$103,975	\$103,975	-	2275	-	\$0	\$107,228	\$107,228
CITY OF BUFFALO	CR UG Cable & Cndt	5,953,826,738	11988	\$56.25	3.1%	\$58.01	3.1%	575.2	\$32,353	\$32,353	-	575	-	\$0	\$33,365	\$33,365
CITY OF BUFFALO	CR UG Cable & Cndt	688,009,980	11988	\$35.27	3.1%	\$36.37	3.1%	15.5	\$547	\$547	-	16	-	\$0	\$564	\$564
CITY OF BUFFALO	CR UG Cable & Cndt	9,423,276,332	11988	\$97.68	3.1%	\$100.73	3.1%	1168.6	\$114,147	\$114,147	-	1169	-	\$0	\$117,711	\$117,711
CITY OF BUFFALO PRKS&REC	CR UG Cable & Cndt	9,750,049,700	11988	\$45.71	3.1%	\$47.14	3.1%	9.0	\$411	\$411	-	9	-	\$0	\$424	\$424
								Subtotal:	\$375,842	\$375,842	-	Subtotal:	-	\$0	\$387,589	\$387,589
CITY OF SCHENECTADY	LL Enclosed IN <2500	2,514,003,640	9828	\$43.68	3.1%	\$45.04	3.1%	24	\$1,753	\$1,753	347.50	24	20,217	\$1,769	\$1,081	\$2,850
CITY OF SCHENECTADY	SD Steel <=16' AB PT	9,057,251,892	11928	\$24.08	3.1%	\$24.83	3.1%	24	\$578	\$578	-	24	-	\$0	\$596	\$596
CITY OF SCHENECTADY	FD Concrete <=16'	119,391,034	21852	\$34.36	3.1%	\$35.43	3.1%	24	\$825	\$825	-	24	-	\$0	\$850	\$850
CITY OF SCHENECTADY	CR UG Cable & Cndt	923,523,835	11988	\$92.02	3.1%	\$94.89	3.1%	24	\$2,208	\$2,208	-	24	-	\$0	\$2,277	\$2,277
								Subtotal:	\$4,659	\$4,659	-	Subtotal:	20,217	\$1,769	\$4,805	\$6,574
CITY OF SYRACUSE DPW	SD Steel <=16' AB PT	3,793,634,146	11928	\$15.42	3.1%	\$15.90	3.1%	495.0	\$7,633	\$7,633	-	495	-	\$0	\$7,871	\$7,871
CITY OF SYRACUSE DPW	SD Steel >16' AB	7,967,450,484	25932	\$61.22	3.1%	\$63.13	3.1%	11.0	\$673	\$673	-	11	-	\$0	\$694	\$694
CITY OF SYRACUSE DPW	SD Alum Armory Sq AB	6,396,732,077	34008	\$15.42	3.1%	\$15.90	3.1%	1.0	\$15	\$15	-	1	-	\$0	\$16	\$16
CITY OF SYRACUSE DPW	FD Concrete <=16'	3,332,548,425	21852	\$22.05	3.1%	\$22.74	3.1%	503.0	\$11,091	\$11,091	-	503	-	\$0	\$11,438	\$11,438
CITY OF SYRACUSE DPW	FD Concrete <=16'	9,725,348,453	21852	\$22.62	3.1%	\$23.33	3.1%	51.0	\$1,154	\$1,154	-	51	-	\$0	\$1,190	\$1,190
CITY OF SYRACUSE DPW	FD Concrete >16'	2,434,895,558	21852	\$94.78	3.1%	\$97.74	3.1%	11.0	\$1,043	\$1,043	-	11	-	\$0	\$1,075	\$1,075
CITY OF SYRACUSE DPW	CR UG Cable & Cndt	752,702,727	11988	\$63.39	3.1%	\$65.37	3.1%	510.3	\$32,345	\$32,345	-	510	-	\$0	\$33,355	\$33,355
CITY OF SYRACUSE DPW	CR UG Cable & Cndt	8,032,131,921	11988	\$60.24	3.1%	\$62.12	3.1%	48.6	\$2,927	\$2,927	-	49	-	\$0	\$3,018	\$3,018
								Subtotal:	\$56,880	\$56,880	-	Subtotal:	-	\$0	\$58,657	\$58,657
CITY OF UTTICA DPW	LL Enclosed IN 4000	805,054,350	10128	\$40.74	3.1%	\$42.01	3.1%	8	\$946	\$946	347.50	8	10,909	\$955	\$336	\$1,291
CITY OF UTTICA DPW	SD Steel >16' AB	8,996,557,075	25932	\$39.10	3.1%	\$40.32	3.1%	8	\$313	\$313	-	8	-	\$0	\$323	\$323
CITY OF UTTICA DPW	FD Concrete >16'	2,978,195,981	21852	\$60.53	3.1%	\$62.42	3.1%	8	\$484	\$484	-	8	-	\$0	\$499	\$499
CITY OF UTTICA DPW	CR UG Cable & Cndt	8,212,261,222	11988	\$95.14	3.1%	\$98.11	3.1%	8	\$761	\$761	-	8	-	\$0	\$785	\$785
								Subtotal:	\$1,884	\$1,884	-	Subtotal:	10,909	\$955	\$1,943	\$2,897
MUSEUM OF SCIENCE & TEC	FD Concrete <=16'	9,761,380,833	21852	\$38.38	3.1%	\$39.58	3.1%	4	\$154	\$154	-	4	-	\$0	\$158	\$158
MUSEUM OF SCIENCE & TEC	CR UG Cable & Cndt	6,113,511,345	11988	\$147.09	3.1%	\$151.68	3.1%	4	\$588	\$588	-	4	-	\$0	\$607	\$607
								Subtotal:	\$742	\$742	-	Subtotal:	-	\$0	\$765	\$765
TOWN OF AMHERST	CR UG Cable & Cndt	1,198,891,209	11988	\$72.89	3.1%	\$75.17	3.1%	37	\$2,697	\$2,697	-	37	-	\$0	\$2,781	\$2,781
TOWN OF AMHERST	CR UG Cable & Cndt	40,907,619	11988	\$72.89	3.1%	\$75.17	3.1%	26	\$1,895	\$1,895	-	26	-	\$0	\$1,954	\$1,954
TOWN OF AMHERST	CR UG Cable & Cndt	8,598,118,892	11988	\$72.89	3.1%	\$75.17	3.1%	17	\$1,239	\$1,239	-	17	-	\$0	\$1,278	\$1,278
TOWN OF AMHERST	CR UG Cable & Cndt	1,259,621,896	11988	\$72.89	3.1%	\$75.17	3.1%	239	\$17,421	\$17,421	-	239	-	\$0	\$17,966	\$17,966
TOWN OF AMHERST	FD Concrete <=16'	5,059,173,002	21852	\$30.96	3.1%	\$31.93	3.1%	4	\$124	\$124	-	4	-	\$0	\$128	\$128
TOWN OF AMHERST	CR UG Cable & Cndt	159,784,008	11988	\$82.44	3.1%	\$85.01	3.1%	4	\$330	\$330	-	4	-	\$0	\$340	\$340
TOWN OF AMHERST	CR UG Cable & Cndt	4,693,984,849	11988	\$75.17	3.1%	\$77.17	3.1%	28	\$2,041	\$2,041	-	28	-	\$0	\$2,105	\$2,105
TOWN OF AMHERST	CR UG Cable & Cndt	5,186,832,478	11988	\$72.89	3.1%	\$75.17	3.1%	74	\$5,394	\$5,394	-	74	-	\$0	\$5,563	\$5,563

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. 2 - Street Lighting (Company Owned and Maintained) - FACILITIES WITH PRICE EXCEPTIONS

Rate Year 2 T & D rate
Proposed T & D rate

0.08669
0.0875

Customer	Billcode Description	Price Exception	Rate Year 2		2016 Avg Units Billed	Rate Year 2 Annual T&D Revenue	Rate Year 2 Annual Facility Revenue	Rate Year 2 Annual Total Revenue	Non Leap Yr Burns	FY18 Fcst Units	Proposed Annual Usage	Proposed Annual T&D Revenue	Proposed Annual Facility Revenue	Proposed Annual Total Revenue
			Watts per Lamp	Price										
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(k)	(l)	(m)	(n)	(o)	(p)
TOWN OF AMHERST	CR UG Cable & Cndt	8,553,921,449	119.88	\$72.89	21	\$0	\$1,531	\$1,531	-	21	-	\$0	\$1,579	\$1,579
TOWN OF AMHERST	CR UG Cable & Cndt	6,092,628,736	119.88	\$75.17	16	\$0	\$1,166	\$1,166	-	16	-	\$0	\$1,203	\$1,203
TOWN OF AMHERST	CR UG Cable & Cndt	8,019,098,590	119.88	\$72.89	8	\$0	\$583	\$583	-	8	-	\$0	\$601	\$601
TOWN OF AMHERST	CR UG Cable & Cndt	8,326,074,801	119.88	\$75.17	6	\$0	\$437	\$437	-	6	-	\$0	\$451	\$451
TOWN OF AMHERST	CR UG Cable & Cndt	5,509,224,592	119.88	\$72.89	20	\$0	\$1,458	\$1,458	-	20	-	\$0	\$1,503	\$1,503
TOWN OF AMHERST	CR UG Cable & Cndt	9,684,811,658	119.88	\$75.17	17	\$0	\$1,239	\$1,239	-	17	-	\$0	\$1,278	\$1,278
TOWN OF AMHERST	CR UG Cable & Cndt	9,054,181,941	119.88	\$72.89	21	\$0	\$1,531	\$1,531	-	21	-	\$0	\$1,579	\$1,579
TOWN OF AMHERST	CR UG Cable & Cndt	8,288,911,599	119.88	\$75.17	14	\$0	\$1,020	\$1,020	-	14	-	\$0	\$1,052	\$1,052
TOWN OF AMHERST	CR UG Cable & Cndt	4,122,982,749	119.88	\$72.89	22	\$0	\$2,114	\$2,114	-	22	-	\$0	\$2,180	\$2,180
TOWN OF AMHERST	CR UG Cable & Cndt	2,583,157,341	119.88	\$75.17	31	\$0	\$1,604	\$1,604	-	31	-	\$0	\$1,654	\$1,654
TOWN OF AMHERST	CR UG Cable & Cndt	1,819,291,823	119.88	\$72.89	2	\$0	\$146	\$146	-	2	-	\$0	\$150	\$150
TOWN OF AMHERST	FD Concrete >16'	3,598,117,791	218.52	\$30.96	20	\$0	\$619	\$619	-	20	-	\$0	\$639	\$639
TOWN OF AMHERST	CR UG Cable & Cndt	959,770,108	119.88	\$82.44	20	\$0	\$1,649	\$1,649	-	20	-	\$0	\$1,700	\$1,700
TOWN OF AMHERST	FD Concrete >16'	1,186,852,478	218.52	\$31.93	13	\$0	\$402	\$402	-	13	-	\$0	\$415	\$415
TOWN OF AMHERST	CR UG Cable & Cndt	4,969,406,205	119.88	\$82.44	13	\$0	\$1,072	\$1,072	-	13	-	\$0	\$1,105	\$1,105
TOWN OF AMHERST	CR UG Cable & Cndt	5,321,916,719	119.88	\$30.96	37	\$0	\$1,146	\$1,146	-	37	-	\$0	\$1,181	\$1,181
TOWN OF AMHERST	CR UG Cable & Cndt	5,785,461,464	218.52	\$82.44	37	\$0	\$3,050	\$3,050	-	37	-	\$0	\$3,145	\$3,145
TOWN OF AMHERST	CR UG Cable & Cndt	3,863,774,947	119.88	\$75.17	22	\$0	\$1,604	\$1,604	-	22	-	\$0	\$1,654	\$1,654
TOWN OF AMHERST	CR UG Cable & Cndt	1,001,976,419	119.88	\$72.89	23	\$0	\$1,676	\$1,676	-	23	-	\$0	\$1,729	\$1,729
TOWN OF AMHERST	FD Concrete >16'	3,178,546,595	218.52	\$30.96	10	\$0	\$310	\$310	-	10	-	\$0	\$319	\$319
TOWN OF AMHERST	CR UG Cable & Cndt	3,870,870,318	119.88	\$82.44	10	\$0	\$824	\$824	-	10	-	\$0	\$850	\$850
TOWN OF AMHERST	FD Concrete >16'	5,423,709,947	218.52	\$30.96	15	\$0	\$464	\$464	-	15	-	\$0	\$479	\$479
TOWN OF AMHERST	CR UG Cable & Cndt	9,396,458,974	119.88	\$82.44	15	\$0	\$1,237	\$1,237	-	15	-	\$0	\$1,275	\$1,275
TOWN OF AMHERST	FD Concrete >16'	2,973,199,251	218.52	\$31.93	5	\$0	\$155	\$155	-	5	-	\$0	\$160	\$160
TOWN OF AMHERST	CR UG Cable & Cndt	5,616,411,684	119.88	\$82.44	5	\$0	\$412	\$412	-	5	-	\$0	\$425	\$425
TOWN OF AMHERST	FD Concrete >16'	8,626,110,861	218.52	\$30.96	5	\$0	\$155	\$155	-	5	-	\$0	\$160	\$160
TOWN OF AMHERST	CR UG Cable & Cndt	6,430,560,905	119.88	\$82.44	5	\$0	\$412	\$412	-	5	-	\$0	\$425	\$425
TOWN OF AMHERST	FD Concrete <=16'	9,002,641,036	218.52	\$31.93	32	\$0	\$991	\$991	-	32	-	\$0	\$1,022	\$1,022
TOWN OF AMHERST	CR UG Cable & Cndt	7,120,076,700	119.88	\$82.44	32	\$0	\$2,638	\$2,638	-	32	-	\$0	\$2,720	\$2,720
TOWN OF AMHERST	CR UG Cable & Cndt	8,401,406,914	119.88	\$75.17	31	\$0	\$3,645	\$3,645	-	31	-	\$0	\$3,759	\$3,759
TOWN OF AMHERST	CR UG Cable & Cndt	240,138,221	119.88	\$72.89	18	\$0	\$1,312	\$1,312	-	18	-	\$0	\$1,353	\$1,353
TOWN OF AMHERST	CR UG Cable & Cndt	4,847,415,974	119.88	\$72.89	19	\$0	\$1,385	\$1,385	-	19	-	\$0	\$1,428	\$1,428
TOWN OF AMHERST	FD Concrete >16'	2,449,189,902	218.52	\$30.96	17	\$0	\$526	\$526	-	17	-	\$0	\$543	\$543
TOWN OF AMHERST	CR UG Cable & Cndt	8,593,764,057	119.88	\$82.44	17	\$0	\$1,401	\$1,401	-	17	-	\$0	\$1,445	\$1,445
TOWN OF AMHERST	FD Concrete >16'	5,055,312,853	218.52	\$18.51	36	\$0	\$646	\$646	-	36	-	\$0	\$666	\$666
TOWN OF AMHERST	CR UG Cable Only	681,267,422	218.52	\$31.93	10	\$0	\$310	\$310	-	10	-	\$0	\$319	\$319
TOWN OF AMHERST	CR UG Cable & Cndt	2,044,788,767	119.88	\$82.44	10	\$0	\$824	\$824	-	10	-	\$0	\$850	\$850
TOWN OF AMHERST	CR UG Cable & Cndt	5,036,500,765	119.88	\$72.89	13	\$0	\$948	\$948	-	13	-	\$0	\$977	\$977
TOWN OF AMHERST	FD Concrete <=16'	4,344,224,942	218.52	\$31.93	11	\$0	\$341	\$341	-	11	-	\$0	\$351	\$351
TOWN OF AMHERST	CR UG Cable & Cndt	8,306,448,664	119.88	\$82.44	11	\$0	\$907	\$907	-	11	-	\$0	\$935	\$935
TOWN OF AMHERST	FD Concrete >16'	9,864,202,652	218.52	\$30.96	7	\$0	\$217	\$217	-	7	-	\$0	\$224	\$224
TOWN OF AMHERST	CR UG Cable & Cndt	5,977,593,395	119.88	\$82.44	7	\$0	\$577	\$577	-	7	-	\$0	\$595	\$595
TOWN OF AMHERST	FD Concrete >16'	2,270,561,615	218.52	\$31.93	9	\$0	\$279	\$279	-	9	-	\$0	\$287	\$287
TOWN OF AMHERST	CR UG Cable & Cndt	1,611,213,912	119.88	\$82.44	9	\$0	\$742	\$742	-	9	-	\$0	\$765	\$765
TOWN OF AMHERST	FD Concrete >16'	7,381,334,533	218.52	\$30.96	5	\$0	\$155	\$155	-	5	-	\$0	\$160	\$160
TOWN OF AMHERST	CR UG Cable & Cndt	1,791,555,525	119.88	\$82.44	5	\$0	\$412	\$412	-	5	-	\$0	\$425	\$425
TOWN OF AMHERST	FD Concrete >16'	6,591,623,476	218.52	\$31.93	8	\$0	\$248	\$248	-	8	-	\$0	\$255	\$255
TOWN OF AMHERST	CR UG Cable & Cndt	9,938,501,756	119.88	\$82.44	8	\$0	\$660	\$660	-	8	-	\$0	\$680	\$680
TOWN OF AMHERST	FD Concrete >16' HD	9,519,818,398	218.52	\$30.96	24	\$0	\$743	\$743	-	24	-	\$0	\$766	\$766
TOWN OF AMHERST	CR UG Cable & Cndt	6,263,416,544	119.88	\$82.44	24	\$0	\$1,979	\$1,979	-	24	-	\$0	\$2,040	\$2,040
TOWN OF AMHERST	FD Concrete >16'	7,972,790,067	218.52	\$31.93	11	\$0	\$341	\$341	-	11	-	\$0	\$351	\$351
TOWN OF AMHERST	CR UG Cable & Cndt	858,637,796	119.88	\$82.44	11	\$0	\$907	\$907	-	11	-	\$0	\$935	\$935
TOWN OF AMHERST	FD Concrete >16' HD	6,030,397,413	218.52	\$30.96	5	\$0	\$155	\$155	-	5	-	\$0	\$160	\$160
TOWN OF AMHERST	CR UG Cable & Cndt	9,442,246,922	119.88	\$82.44	5	\$0	\$412	\$412	-	5	-	\$0	\$425	\$425
TOWN OF AMHERST	FD Concrete >16' HD	9,372,436,534	218.52	\$30.96	21	\$0	\$650	\$650	-	21	-	\$0	\$671	\$671
TOWN OF AMHERST	CR UG Cable & Cndt	7,342,014,920	119.88	\$82.44	21	\$0	\$1,731	\$1,731	-	21	-	\$0	\$1,785	\$1,785
TOWN OF AMHERST	FD Concrete >16'	7,006,920,700	218.52	\$30.96	10	\$0	\$310	\$310	-	10	-	\$0	\$319	\$319
TOWN OF AMHERST	CR UG Cable & Cndt	2,146,282,972	119.88	\$82.44	10	\$0	\$824	\$824	-	10	-	\$0	\$850	\$850
TOWN OF AMHERST	FD Concrete >16'	3,388,225,492	218.52	\$31.93	15	\$0	\$464	\$464	-	15	-	\$0	\$479	\$479

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. 2 - Street Lighting (Company Owned and Maintained) - FACILITIES WITH PRICE EXCEPTIONS

Rate Year 2 T & D rate
0.08669
Proposed T & D rate
0.0875

Customer	Billcode Description	Price Exception	Rate Year		Billed Watts per Lamp	Retail Facility Price (b)	Rate Year 2 Annual Facility Price (c)	Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	Rate Year 2		Rate Year 2		FY18 Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)
			Rate Year 2 Annual Facility Price (c)	Rate Year 2 Annual T&D Revenue (h)						Rate Year 2 Annual Facility Revenue (i)	Rate Year 2 Annual Total Revenue (j)							
TOWN OF AMHERST	CR UG Cable & Cndt	5,258,665.596	119.88	882.44	15	-	\$0	\$1,237	3.1%	15	-	\$0	\$1,237	15	-	\$0	\$1,275	\$1,275
TOWN OF AMHERST	FD Concrete >16'	7,841,872.428	218.52	\$31.93	7	-	\$0	\$217	3.1%	7	-	\$0	\$217	7	-	\$0	\$224	\$224
TOWN OF AMHERST	CR UG Cable & Cndt	3,961,986.629	119.88	882.44	7	-	\$0	\$577	3.1%	7	-	\$0	\$577	7	-	\$0	\$595	\$595
TOWN OF AMHERST	FD Concrete >16'	7,059,792.008	218.52	\$31.93	14	-	\$0	\$433	3.1%	14	-	\$0	\$433	14	-	\$0	\$447	\$447
TOWN OF AMHERST	CR UG Cable & Cndt	6,082,963.339	119.88	882.44	14	-	\$0	\$1,154	3.1%	14	-	\$0	\$1,154	14	-	\$0	\$1,190	\$1,190
TOWN OF AMHERST	FD Concrete >16' HD	7,282,929.339	218.52	\$31.93	5	-	\$0	\$155	3.1%	5	-	\$0	\$155	5	-	\$0	\$160	\$160
TOWN OF AMHERST	CR UG Cable & Cndt	8,376,415.574	119.88	882.44	5	-	\$0	\$412	3.1%	5	-	\$0	\$412	5	-	\$0	\$425	\$425
TOWN OF AMHERST	FD Concrete >16'	8,235,648.956	218.52	\$31.93	6	-	\$0	\$186	3.1%	6	-	\$0	\$186	6	-	\$0	\$192	\$192
TOWN OF AMHERST	CR UG Cable & Cndt	5,687,709.387	119.88	882.44	6	-	\$0	\$495	3.1%	6	-	\$0	\$495	6	-	\$0	\$510	\$510
TOWN OF AMHERST	FD Concrete >16' HD	4,202,773.657	218.52	\$31.93	8	-	\$0	\$248	3.1%	8	-	\$0	\$248	8	-	\$0	\$255	\$255
TOWN OF AMHERST	CR UG Cable & Cndt	7,726,467.374	119.88	882.44	8	-	\$0	\$660	3.1%	8	-	\$0	\$660	8	-	\$0	\$680	\$680
TOWN OF AMHERST	FD Concrete <=16'	1,744,000.650	218.52	\$31.93	35	-	\$0	\$1,084	3.1%	35	-	\$0	\$1,084	35	-	\$0	\$1,118	\$1,118
TOWN OF AMHERST	CR UG Cable & Cndt	5,645,248.952	119.88	882.44	35	-	\$0	\$2,885	3.1%	35	-	\$0	\$2,885	35	-	\$0	\$2,975	\$2,975
TOWN OF AMHERST	FD Concrete >16'	5,972,606.736	218.52	\$31.93	9	-	\$0	\$279	3.1%	9	-	\$0	\$279	9	-	\$0	\$287	\$287
TOWN OF AMHERST	CR UG Cable & Cndt	7,982,962.549	119.88	882.44	9	-	\$0	\$742	3.1%	9	-	\$0	\$742	9	-	\$0	\$765	\$765
TOWN OF AMHERST	FD Concrete >16'	5,707,647.186	218.52	\$31.93	3	-	\$0	\$93	3.1%	3	-	\$0	\$93	3	-	\$0	\$96	\$96
TOWN OF AMHERST	CR UG Cable & Cndt	1,733,286.442	119.88	882.44	3	-	\$0	\$247	3.1%	3	-	\$0	\$247	3	-	\$0	\$255	\$255
TOWN OF AMHERST	FD Concrete >16'	5,299,394.404	218.52	\$31.93	3	-	\$0	\$93	3.1%	3	-	\$0	\$93	3	-	\$0	\$96	\$96
TOWN OF AMHERST	CR UG Cable & Cndt	451,736.027	119.88	882.44	3	-	\$0	\$247	3.1%	3	-	\$0	\$247	3	-	\$0	\$255	\$255
TOWN OF AMHERST	FD Concrete <=16'	5,185,829.268	218.52	\$31.93	8	-	\$0	\$248	3.1%	8	-	\$0	\$248	8	-	\$0	\$255	\$255
TOWN OF AMHERST	CR UG Cable & Cndt	1,259,611.207	119.88	882.44	8	-	\$0	\$660	3.1%	8	-	\$0	\$660	8	-	\$0	\$680	\$680
TOWN OF AMHERST	FD Concrete >16'	3,848,447.984	218.52	\$31.93	6	-	\$0	\$186	3.1%	6	-	\$0	\$186	6	-	\$0	\$192	\$192
TOWN OF AMHERST	CR UG Cable & Cndt	9,356,102.071	119.88	882.44	6	-	\$0	\$495	3.1%	6	-	\$0	\$495	6	-	\$0	\$510	\$510
TOWN OF AMHERST	FD Concrete <=16'	3,498,700.697	218.52	\$31.93	14	-	\$0	\$433	3.1%	14	-	\$0	\$433	14	-	\$0	\$447	\$447
TOWN OF AMHERST	CR UG Cable & Cndt	8,033,986.839	119.88	882.44	14	-	\$0	\$1,154	3.1%	14	-	\$0	\$1,154	14	-	\$0	\$1,190	\$1,190
TOWN OF AMHERST	FD Concrete >16'	2,544,525.945	218.52	\$31.93	6	-	\$0	\$186	3.1%	6	-	\$0	\$186	6	-	\$0	\$192	\$192
TOWN OF AMHERST	CR UG Cable & Cndt	9,330,884.808	119.88	882.44	6	-	\$0	\$495	3.1%	6	-	\$0	\$495	6	-	\$0	\$510	\$510
TOWN OF AMHERST	FD Concrete >16'	9,310,077.600	218.52	\$31.93	13	-	\$0	\$402	3.1%	13	-	\$0	\$402	13	-	\$0	\$415	\$415
TOWN OF AMHERST	CR UG Cable & Cndt	1,411,177.711	119.88	882.44	13	-	\$0	\$1,072	3.1%	13	-	\$0	\$1,072	13	-	\$0	\$1,105	\$1,105
TOWN OF AMHERST	FD Concrete >16'	128,925.989	218.52	\$31.93	12	-	\$0	\$372	3.1%	12	-	\$0	\$372	12	-	\$0	\$383	\$383
TOWN OF AMHERST	CR UG Cable & Cndt	3,924,127.941	119.88	882.44	12	-	\$0	\$989	3.1%	12	-	\$0	\$989	12	-	\$0	\$1,020	\$1,020
			Subtotal:			-	\$0	\$104,967			-	\$0	\$104,967	Subtotal:	-	\$0	\$108,247	\$108,247
TOWN OF QUEENSBURY	SD Steel <=16' AB PT	8,546,322.273	115.28	\$31.96	26	-	\$0	\$831	3.1%	26	-	\$0	\$831	26	-	\$0	\$857	\$857
TOWN OF QUEENSBURY	FD Concrete <=16'	7,441,083.920	218.52	\$45.74	26	-	\$0	\$1,189	3.1%	26	-	\$0	\$1,189	26	-	\$0	\$1,226	\$1,226
TOWN OF QUEENSBURY	CR UG Cable & Cndt	2,587,220.482	119.88	\$122.06	26	-	\$0	\$3,174	3.1%	26	-	\$0	\$3,174	26	-	\$0	\$3,273	\$3,273
			Subtotal:			-	\$0	\$5,194			-	\$0	\$5,194	Subtotal:	-	\$0	\$5,356	\$5,356
TOWN OF TONAWANDA	CR UG Cable & Cndt	1,344,984.259	119.88	\$78.84	249	-	\$0	\$19,592	3.1%	249	-	\$0	\$19,592	249	-	\$0	\$20,203	\$20,203
TOWN OF TONAWANDA	CR UG Cable & Cndt	7,484,500.155	119.88	\$77.74	905	-	\$0	\$70,374	3.1%	905	-	\$0	\$70,374	905	-	\$0	\$72,574	\$72,574
TOWN OF TONAWANDA	FD Concrete <=16'	7,161,048.530	218.52	\$29.19	907	-	\$0	\$26,473	3.1%	907	-	\$0	\$26,473	907	-	\$0	\$27,298	\$27,298
TOWN OF TONAWANDA	CR EF Cbl & Cndt/rlt	9,165,906.069	0.100934	\$0.10	149	-	\$0	\$15	0.0%	149	-	\$0	\$15	149	-	\$0	\$15	\$15
TOWN OF TONAWANDA	FD Concrete >16'	2,916,555.365	218.52	\$25.24	1	-	\$0	\$19	3.1%	1	-	\$0	\$19	1	-	\$0	\$20	\$20
			Subtotal:			-	\$0	\$116,454			-	\$0	\$116,454	Subtotal:	-	\$0	\$120,090	\$120,090
VILLAGE OF KENMORE	CR UG Cable & Cndt	9,602,462.524	119.88	\$48.73	1048	-	\$0	\$51,077	3.1%	1048	-	\$0	\$51,077	1,048	-	\$0	\$52,670	\$52,670
VILLAGE OF KINDERHOOK	LL Open IN 1000	455,062.850	92.71762	\$91.86	30	12,922	\$1,120	\$2,763	3.1%	30	12,922	\$2,763	\$3,884	347.50	12,922	\$1,131	\$2,850	\$3,980
VILLAGE OF KINDERHOOK	LL Open IN 1000	6,254,715.057	32.98511	\$32.68	2	860	\$75	\$65	3.1%	2	860	\$65	\$140	347.50	860	\$75	\$67	\$143
VILLAGE OF KINDERHOOK	CR UG Cable & Cndt	2,720,445.634	119.88	\$68.80	2	-	\$0	\$138	3.1%	2	-	\$0	\$138	2	-	\$0	\$142	\$142
			Subtotal:			13,782	\$1,195	\$2,966		13,782		\$1,206	\$3,059	Subtotal:	13,782	\$1,206	\$3,059	\$4,265
VILLAGE OF WILLIAMSVILLE	CR UG Cable & Cndt	5,308,523.706	119.88	\$83.59	103	-	\$0	\$8,589	3.1%	103	-	\$0	\$8,589	103	-	\$0	\$8,857	\$8,857
			Subtotal:			-	\$0	\$8,589		-	-	\$0	\$8,589	Subtotal:	-	\$0	\$8,857	\$8,857
			* Annual Total From Above			71,610	\$6,208	\$737,440		71,610		\$6,266	\$760,480	Subtotal:	71,610	\$6,266	\$760,480	\$760,480
						-	\$0	\$5,194		-	-	\$0	\$5,194	Subtotal:	-	\$0	\$5,356	\$5,356

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. 3 - Street Lighting (Customer Owned and Maintained)

Rate Year 2 T&D rate Proposed T&D rate 0.94% increase	Rate Year 2 T&D rate Proposed T&D rate 0.94% increase	Rate Year 2 Proposed Annual Facility Price (c)	Rate Year 2 Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	Billed Watts per Lamp (a)	Price Exception (b)	Description	Billcode	Price Exception	2016 Avg Units Billed (f)	Rate Year 2 Annual Usage (g)	Rate Year 2 Annual T&D Revenue (h)	Rate Year 2 Annual Facility Revenue (i)	Rate Year 2 Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)	Increase	0.9%
0.05951	0.06007	n/a	n/a	n/a	n/a	n/a	EN Energy Only DTD			1,461,537	648,922	\$38,617	\$0	\$38,617			648,922	\$38,981	\$0	\$38,981	\$0	\$38,981
										1,467,763	599,218	\$33,279	\$0	\$33,279			599,218	\$33,592	\$0	\$33,592	\$0	\$33,592
										1,467,763	531,330	\$31,620	\$0	\$31,620			531,330	\$31,917	\$0	\$31,917	\$0	\$31,917
										1,467,763	447,668	\$26,641	\$0	\$26,641			447,668	\$26,891	\$0	\$26,891	\$0	\$26,891
										1,467,634	403,599	\$24,018	\$0	\$24,018			403,599	\$24,244	\$0	\$24,244	\$0	\$24,244
										1,467,634	361,038	\$21,485	\$0	\$21,485			361,038	\$21,688	\$0	\$21,688	\$0	\$21,688
										1,465,491	386,890	\$23,024	\$0	\$23,024			386,890	\$23,240	\$0	\$23,240	\$0	\$23,240
										1,469,509	442,322	\$26,323	\$0	\$26,323			442,322	\$26,570	\$0	\$26,570	\$0	\$26,570
										1,474,269	492,406	\$29,303	\$0	\$29,303			492,406	\$29,579	\$0	\$29,579	\$0	\$29,579
										1,475,419	579,840	\$34,506	\$0	\$34,506			579,840	\$34,831	\$0	\$34,831	\$0	\$34,831
										1,475,669	621,257	\$36,971	\$0	\$36,971			621,257	\$37,319	\$0	\$37,319	\$0	\$37,319
										1,475,744	674,415	\$40,135	\$0	\$40,135			674,415	\$40,512	\$0	\$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.C. 2 price)

LAMPS

High Pressure Sodium		Billed Watts per Lamp (a)	Price Exception (b)	Description	Billcode	Price Exception	Rate Year 2 Proposed Annual Facility Price (c)	Rate Year 2 Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Rate Year 2 Annual Usage (g)	Rate Year 2 Annual T&D Revenue (h)	Rate Year 2 Annual Facility Revenue (i)	Rate Year 2 Annual Total Revenue (j)	Non Leap Yr Burns (k)	FY18 Avg Fcst Units (l)	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)	Increase	0.9%
70W	999999990																					
100W	999999991	118		LP HS 100		\$0.00	\$0.00	0.00%	64	31,488	\$1,874	\$0	\$1,874			64	31,488	\$1,891	\$0	\$1,891	\$0	\$1,891
150W	999999992	173		LP HS 150		\$0.00	\$0.00	0.00%	731	527,352	\$31,383	\$0	\$31,383			731	527,352	\$31,678	\$0	\$31,678	\$0	\$31,678
250W	999999993	304		LP HS 250		\$0.00	\$0.00	0.00%	1,756	2,226,048	\$132,473	\$0	\$132,473			1,756	2,226,048	\$133,719	\$0	\$133,719	\$0	\$133,719
400W	999999981	470		LP HS 400		\$0.00	\$0.00	0.00%	21	41,160	\$2,449	\$0	\$2,449			21	41,160	\$2,472	\$0	\$2,472	\$0	\$2,472
100W	0	118		LP HS 100		\$7.08	\$8.16	15.25%	25	12,300	\$732	\$177	\$909	\$347.50		25	12,300	\$739	\$204	\$943	\$204	\$943
175W	0	207		LP MH 175		\$0.00	\$56.16	0.00%	2	1,728	\$103	\$0	\$103			2	1,728	\$104	\$112	\$216	\$112	\$216
400W	8139419394	451		LP MH 400		\$0.00	\$0.00	0.00%	11	20,888	\$1,231	\$0	\$1,231			11	20,888	\$1,243	\$0	\$1,243	\$0	\$1,243
175W	999999980	211		LP MV 175		\$0.00	\$0.00	0.00%	24	21,336	\$1,270	\$0	\$1,270			24	21,336	\$1,282	\$0	\$1,282	\$0	\$1,282

LUMINAIRES

Arch. (style unknown) 150/175	999999975			LM Arch 150/175		\$0.00	\$0.00	0.00%	14		\$0	\$0	\$0			14		\$0	\$0	\$0	\$0	\$0
Arch. (style unknown) 70/100	999999976			LM Arch 70/100		\$0.00	\$0.00	0.00%	19		\$0	\$0	\$0			19		\$0	\$0	\$0	\$0	\$0
Edgewater 150	999999982			LM Edgewater 150		\$0.00	\$0.00	0.00%	730		\$0	\$0	\$0			730		\$0	\$0	\$0	\$0	\$0
Little Falls - Teardrop 70	999999999			LM Little Falls TD 70		\$0.00	\$0.00	0.00%	6		\$0	\$0	\$0			6		\$0	\$0	\$0	\$0	\$0
Roadway 70	999999979			LM Roadway 70		\$0.00	\$0.00	0.00%	4		\$0	\$0	\$0			4		\$0	\$0	\$0	\$0	\$0
Roadway 150	999999978			LM Roadway 150		\$0.00	\$0.00	0.00%	2		\$0	\$0	\$0			2		\$0	\$0	\$0	\$0	\$0
Roadway 250	999999977			LM Roadway 250		\$0.00	\$0.00	0.00%	1763		\$0	\$0	\$0			1,763		\$0	\$0	\$0	\$0	\$0
Roadway 400	8353363633			LM Roadway 400		\$0.00	\$0.00	0.00%	11		\$0	\$0	\$0			11		\$0	\$0	\$0	\$0	\$0
LM Aspen Grove 100	0			LM Aspen Grove 100		\$101.04	\$102.00	0.95%	25		\$2,526	\$0	\$2,526			25		\$2,526	\$0	\$2,550	\$2,550	\$2,550
SD Alum Armory Sq AB	9043788437			LM Alum Armory Sq AB		\$0.00	\$0.00	0.00%	1		\$0	\$0	\$0			1		\$0	\$0	\$0	\$0	\$0
LM Roadway 175	999999969			LM Roadway 175		\$0.00	\$0.00	0.00%	2		\$0	\$0	\$0			2		\$0	\$0	\$0	\$0	\$0
LM Roadway 400	999999970			LM Roadway 400		\$0.00	\$0.00	0.00%	18		\$0	\$0	\$0			18		\$0	\$0	\$0	\$0	\$0
LM Aspen Grove 100	999999971			LM Aspen Grove 100		\$0.00	\$0.00	0.00%	28		\$0	\$0	\$0			28		\$0	\$0	\$0	\$0	\$0
LM Traditional 100	999999972			LM Traditional 100		\$0.00	\$0.00	0.00%	20		\$0	\$0	\$0			20		\$0	\$0	\$0	\$0	\$0
LM Contemporary 175	999999973			LM Contemporary 175		\$0.00	\$0.00	0.00%	15		\$0	\$0	\$0			15		\$0	\$0	\$0	\$0	\$0

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Rate Year 3 Revenue at Rate Year 2 and Proposed Rates

Service Classification No. 3 - Street Lighting (Customer Owned and Maintained)

Rate Year 2 T&D rate Proposed T&D rate 0.94% increase	Rate Year 2 T&D rate Proposed T&D rate 0.94% increase	Rate Year 2 Proposed Annual Facility Price (c)	Rate Year 2 Proposed Annual Facility Price (d)	Percent Change Facility Price (e)	2016 Avg Units Billed (f)	Rate Year 2 Annual T&D Revenue (g)	Rate Year 2 Annual Facility Revenue (h)	Rate Year 2 Annual Total Revenue (i)	Non Leap Yr Burns (k)	FY18 Avg Fcst Units (l)	Proposed Annual T&D Revenue (m)	Proposed Annual Facility Revenue (n)	Proposed Annual Total Revenue (o)	Increase	0.9%
POLES/STANDARDS															
Wood Pole, 1 Span															
		\$0.00	\$0.00	0.00%	3	\$0	\$0	\$0	\$0	3	\$0	\$0	\$0	\$0	\$0
Standard > 16 ft															
for UG or URD Service															
Aluminum, anchor base	SD Alum >16' AB	\$0.00	\$0.00	0.00%	223	\$0	\$0	\$0	\$0	223	\$0	\$0	\$0	\$0	\$0
steel, anchor base	SD Steel >16' AB	\$0.00	\$0.00	0.00%	31	\$0	\$0	\$0	\$0	31	\$0	\$0	\$0	\$0	\$0
Standard <= 16 ft															
for UG or URD Service															
Aluminum, anchor base, Villager	SD Alum Villager AB	\$0.00	\$0.00	0.00%	27	\$0	\$0	\$0	\$0	27	\$0	\$0	\$0	\$0	\$0
Fiberglass, anchor base	SD Fhgl <=16' AB PT	\$0.00	\$0.00	0.00%	3	\$0	\$0	\$0	\$0	3	\$0	\$0	\$0	\$0	\$0
Fiberglass, direct embedded	SD Fhgl <=16' DE PT	\$0.00	\$0.00	0.00%	50	\$0	\$0	\$0	\$0	50	\$0	\$0	\$0	\$0	\$0
Fiberglass, direct embedded	SD Fhgl <=16' DE PT	\$0.00	\$93.72	0.00%	25	\$0	\$0	\$0	\$0	25	\$0	\$0	\$0	\$2,343	\$2,343
Decorative Standard <= 16 ft															
for UG or URD Service															
Aluminum, AB, Armory Square	SD Alum Armory Sq AB	\$0.00	\$0.00	0.00%	728	\$0	\$0	\$0	\$0	728	\$0	\$0	\$0	\$0	\$0
Aluminum, AB, Armory Square	SD Alum Armory Sq AB	\$0.00	\$340.08	0.00%	1	\$0	\$0	\$0	\$0	1	\$0	\$0	\$0	\$340	\$340
FOUNDATIONS															
Concrete - Cast-In-Place															
for AB standard > 16 ft	FD Concrete >16'	\$0.00	\$0.00	0.00%	253	\$0	\$0	\$0	\$0	253	\$0	\$0	\$0	\$0	\$0
for AB standard > 16 ft	FD Concrete >16'	\$0.00	\$218.52	0.00%	2	\$0	\$0	\$0	\$0	2	\$0	\$0	\$0	\$437	\$437
for AB standard <= 16 ft	FD Concrete <=16'	\$0.00	\$0.00	0.00%	760	\$0	\$0	\$0	\$0	760	\$0	\$0	\$0	\$0	\$0
for AB standard <= 16 ft	FD Concrete <=16'	\$196.20	\$218.52	11.38%	1	\$0	\$196	\$196	\$196	1	\$0	\$0	\$0	\$219	\$219
CIRCUITRY															
UG Service															
first 50 ft or less per pole	CR UG Cable & Cndt	\$0.00	\$0.00	0.00%	992	\$0	\$0	\$0	\$0	992	\$0	\$0	\$0	\$0	\$0
cable and conduit	CR UG Cable & Cndt	\$86.28	\$119.88	38.94%	2	\$0	\$173	\$173	\$173	2	\$0	\$0	\$0	\$240	\$240
cable only	CR UG Cable Only	\$0.00	\$0.00	0.00%	15	\$0	\$0	\$0	\$0	15	\$0	\$0	\$0	\$0	\$0
URD Service															
first 10 ft or less per pole	CR UG Res DB Cable	\$0.00	\$0.00	0.00%	57	\$0	\$0	\$0	\$0	57	\$0	\$0	\$0	\$0	\$0
direct buried cable	CR UG Res DB Cable	\$0.00	\$89.28	0.00%	25	\$0	\$0	\$0	\$0	25	\$0	\$0	\$0	\$2,232	\$2,232
direct buried cable	CR UG Res DB Cable	\$0.00	\$89.28	0.00%	25	\$0	\$0	\$0	\$0	25	\$0	\$0	\$0	\$2,232	\$2,232
Annual Total															
Watertown															
EO															
PROPOSED MINUS TARGET															
TARGET															
TARGET															

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)

hidden column used by SCS/PRICES lab to get RY1 PRICE	Proposed T&D rate 0.08669 0.0875 0.93% increase	Description	Ownership	Billed Watts per Lamp (a)	Rate Year 2		Proposed		Percent Annual Change Facility Price (e)	2016 Avg		Rate Year 2		Rate Year 2		FY'18 Avg	Proposed Annual Usage (m)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)	Increase	0.9%
					Facility Price (c)	Annual Facility Price (d)	Units (f)	Usage (g)		Annual T&D Revenue (h)	Annual Facility Revenue (i)	Annual Total Revenue (j)	Non Leap Yr Burns (k)	Fest Units (l)								
1171629003 CENTER FOR DISABILITY SRVCS																						
01 - NMP0000003		150W Company	Company	173	\$7.32	\$7.44	1.6%	\$7.20	\$7.20	0.0%	44	21,648	\$250	\$29	\$279	347.50	4	2,880	\$252	\$30	\$282	
01 - NMP000051P		Roadway 150 Company	Company	4	\$51.12	\$51.60	0.9%	\$0	\$0	n/a	4	2,880	\$0	\$204	\$204		4		\$0	\$206	\$206	
01 - NMP000084P		Additional Wood Pole	Company	2	\$0.00	\$0.00	n/a	\$0	\$0		2		\$0	\$0	\$0		2		\$0	\$0	\$0	
2433882101 CITY OF SYRACUSE DPW																						
01 - NMP0000002		100W Company	Company	118	\$7.08	\$7.20	1.7%	\$7.20	\$7.20	0.0%	44	21,648	\$1,877	\$312	\$2,188	347.50	44	21,648	\$1,894	\$317	\$2,211	
01 - NMP0000013		175W Company	Company	211	\$5.88	\$5.88	0.0%	\$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 - NMP000105P		for anchor base standard <= 16 ft cable and conduit	Company	3	\$196.20	\$198.00	0.9%	\$0	\$0		3		\$0	\$589	\$589		3		\$0	\$594	\$594	
01 - NMP000109P		cable and conduit, per foot	Company	126	\$86.28	\$87.12	1.0%	\$1.68	\$1.68	0.0%	1243		\$0	\$10,900	\$10,900		126		\$0	\$11,006	\$11,006	
01 - NMP000117P		Festoon Outlet - Old	Company	42	\$48.00	\$48.48	1.0%	\$48.00	\$48.48	1.0%	42		\$0	\$2,016	\$2,016		42		\$0	\$2,089	\$2,089	
01 - NMP000120P		Williamsville 70	Company	12	\$99.84	\$100.80	1.0%	\$99.84	\$100.80	1.0%	12		\$0	\$1,198	\$1,198		12		\$0	\$2,036	\$2,036	
01 - NMP000219P		aluminum, anchor base, Little Falls	Company	43	\$198.96	\$200.76	0.9%	\$0	\$0		43		\$0	\$8,555	\$8,555		43		\$0	\$8,633	\$8,633	
01 - NMP000252P		Williamsville 100	Company	1	\$99.84	\$100.80	1.0%	\$99.84	\$100.80	1.0%	1		\$0	\$100	\$100		1		\$0	\$101	\$101	
01 - NMP000337P		LM Franklin Sq 100	Company	31	\$129.84	\$131.04	0.9%	\$129.84	\$131.04	0.9%	31		\$0	\$4,025	\$4,025		31		\$0	\$4,062	\$4,062	
01 - NMP000339P		LM Franklin Sq 175	Company	82	\$129.84	\$131.04	0.9%	\$129.84	\$131.04	0.9%	82		\$0	\$10,690	\$10,690		82		\$0	\$10,789	\$10,789	
01 - NMP000105P		for anchor base standard <= 16 ft	Company	123	\$68.55	\$69.24	1.0%	\$68.55	\$69.24	1.0%	123		\$0	\$8,432	\$8,432		123		\$0	\$8,517	\$8,517	
TOWN OF HAMLIN																						
03 - NMP0000002		100W customer	customer	118	\$7.08	\$7.20	1.7%	\$7.20	\$7.20	0.0%	6	2,952	\$256	\$42	\$298	347.50	6	2,952	\$258	\$43	\$302	
03 - NMP000056P		Arch. (style unknown) 70/100	customer	6	\$30.00	\$30.24	0.8%	\$30.24	\$30.24	0.8%	6		\$0	\$180	\$180		6		\$0	\$181	\$181	
03 - NMP000097P		Fiberglass, anchor base	customer	6	\$25.44	\$25.68	0.9%	\$25.68	\$25.68	0.9%	6		\$0	\$153	\$153		6		\$0	\$154	\$154	
03 - NMP000107P		for AB standards, all applications	customer	6	\$42.00	\$42.36	0.9%	\$42.36	\$42.36	0.9%	6		\$0	\$252	\$252		6		\$0	\$254	\$254	
03 - NMP000116P		direct buried cable	customer	6	\$5.28	\$5.28	0.0%	\$5.28	\$5.28	0.0%	6		\$0	\$32	\$32		6		\$0	\$32	\$32	
03 - NMP000119P		CR EIF DB Cable/ft	customer	284	\$0.48	\$0.48	0.0%	\$0.48	\$0.48	0.0%	284		\$0	\$136	\$136		284		\$0	\$136	\$136	
TOWN OF HAMLIN HILLCREST SUBDIV SC5																						
03 - NMP0000002		100W customer	customer	118	\$7.08	\$7.20	1.7%	\$7.20	\$7.20	0.0%	13	6,396	\$554	\$92	\$647	347.50	13	6,396	\$560	\$94	\$653	
03 - NMP0000003		150W customer	customer	173	\$7.32	\$7.44	1.6%	\$7.44	\$7.44	1.6%	3	2,160	\$187	\$22	\$209	347.50	3	2,160	\$189	\$22	\$211	
03 - NMP000056P		Arch. (style unknown) 70/100	customer	10	\$30.00	\$30.24	0.8%	\$30.24	\$30.24	0.8%	10		\$0	\$300	\$300		10		\$0	\$302	\$302	
03 - NMP000057P		LM Arch 150/175	customer	3	\$22.68	\$22.92	1.1%	\$22.92	\$22.92	1.1%	3		\$0	\$68	\$68		3		\$0	\$69	\$69	
03 - NMP000097P		Fiberglass, anchor base	customer	16	\$25.44	\$25.68	0.9%	\$25.68	\$25.68	0.9%	16		\$0	\$407	\$407		16		\$0	\$411	\$411	
03 - NMP000105P		for anchor base standard <= 16 ft	customer	12	\$74.52	\$75.24	1.0%	\$74.52	\$75.24	1.0%	12		\$0	\$894	\$894		12		\$0	\$903	\$903	
03 - NMP000107P		for AB standards, all applications	customer	4	\$42.00	\$42.36	0.9%	\$42.36	\$42.36	0.9%	4		\$0	\$168	\$168		4		\$0	\$169	\$169	
03 - NMP000116P		direct buried cable	customer	16	\$5.28	\$5.28	0.0%	\$5.28	\$5.28	0.0%	16		\$0	\$84	\$84		16		\$0	\$84	\$84	
03 - NMP000119P		CR EIF DB Cable/ft	customer	344	\$0.48	\$0.48	0.0%	\$0.48	\$0.48	0.0%	344		\$0	\$165	\$165		344		\$0	\$165	\$165	
03 - NMP000313P		Edison 100	customer	3	\$30.00	\$30.24	0.8%	\$30.24	\$30.24	0.8%	3		\$0	\$90	\$90		3		\$0	\$91	\$91	
VILLAGE OF BROCKPORT																						
03 - NMP0000001		70W customer	customer	86	\$7.08	\$7.20	1.7%	\$7.20	\$7.20	0.0%	15	5,376	\$468	\$106	\$572	347.50	15	5,376	\$470	\$108	\$578	
03 - NMP0000002		100W customer	customer	118	\$7.08	\$7.20	1.7%	\$7.20	\$7.20	0.0%	24	11,808	\$1,024	\$170	\$1,194	347.50	24	11,808	\$1,033	\$173	\$1,206	
03 - NMP0000003		150W customer	customer	173	\$7.32	\$7.44	1.6%	\$7.44	\$7.44	1.6%	15	10,824	\$938	\$110	\$1,048	347.50	15	10,824	\$947	\$112	\$1,059	
03 - NMP0000004		250W customer	customer	304	\$7.44	\$7.56	1.6%	\$7.56	\$7.56	1.6%	4	5,076	\$440	\$30	\$470	347.50	4	5,076	\$444	\$30	\$474	
03 - NMP000032P		Floodlight 250	customer	4	\$22.08	\$22.32	1.1%	\$22.32	\$22.32	1.1%	4		\$0	\$88	\$88		4		\$0	\$89	\$89	
03 - NMP000049P		Roadway 70	customer	10	\$18.96	\$19.08	0.6%	\$19.08	\$19.08	0.6%	10		\$0	\$190	\$190		10		\$0	\$191	\$191	

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)

hidden column used by SCS/PRICES lab to get RY1 PRICE	Description	Ownership	Billed Watts per Lamp (a)	Rate Year 2		Proposed		Percent Change Facility Price (e)	Rate Year 2		FY18 Avg Fest Units (l)	Proposed Annual T&D Revenue (n)	Proposed Annual Facility Revenue (o)	Proposed Annual Total Revenue (p)	Increase	0.9%								
				Facility Price (c)	Annual Facility Price (d)	Annual Facility Price (d)	Annual Facility Price (d)		Annual Facility Revenue (i)															
03 - NMP000097P	Fiberglass, anchor base	customer		\$25.44	\$25.68	0.9%		\$0	\$1,119	\$1,119	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	44	\$0	\$1,130	\$1,130		
03 - NMP000098P	Fiberglass, anchor base	customer		\$65.16	\$65.76	0.9%		\$0	\$652	\$652	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	10	\$0	\$658	\$658		
03 - NMP000107P	for AB standards, all applications	customer		\$42.00	\$42.36	0.9%		\$0	\$1,848	\$1,848	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	44	\$0	\$1,864	\$1,864		
03 - NMP000110P	cable only	customer		\$7.56	\$7.68	1.6%		\$0	\$113	\$113	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	15	\$0	\$115	\$115		
03 - NMP000111P	direct buried cable	customer		\$26.28	\$26.52	0.9%		\$0	\$79	\$79	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	3	\$0	\$80	\$80		
03 - NMP000116P	direct buried cable	customer		\$5.28	\$5.28	0.0%		\$0	\$190	\$190	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	36	\$0	\$190	\$190		
03 - NMP000118P	CR EF Cable Only/ft	customer		\$0.12	\$0.12	0.0%		\$0	\$51	\$51	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	425	\$0	\$51	\$51		
03 - NMP000119P	CR EF DB Cable/ft	customer		\$0.48	\$0.48	0.0%		\$0	\$616	\$616	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	1,284	\$0	\$616	\$616		
03 - NMP000309P	Traditional 70	customer		\$30.00	\$30.24	0.8%		\$0	\$150	\$150	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	5	\$0	\$151	\$151		
03 - NMP000315P	Traditional 100	customer		\$30.00	\$30.24	0.8%		\$0	\$720	\$720	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	24	\$0	\$726	\$726		
03 - NMP000321P	Traditional 150	customer		\$24.60	\$24.84	1.0%		\$0	\$369	\$369	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	15	\$0	\$373	\$373		

Annual Total 141,564 \$ 12,272 \$ 59,310 \$ 71,582 141,564 \$12,387 \$59,840 \$72,227

TARGET \$59,984
PROPOSED MINUS TARGET \$0
- \$143

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
Replacement Cost Analysis
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Component	Current Price	Units	Current Revenue	0.9% Target % Increase		Replacement Cost	Replacement Revenue	Proposed % Movement to Replace Cost	Adjusted Target Price	Adjusted Target Revenue	Adjusted Price % Movement to Replace Cost
				Target Price	Target Revenue						
70W	\$8.04	7,945	\$63,876	8.12 \$	64,473 \$	\$	\$82,284		8.16 \$	64,859	
100W	\$8.04	16,165	\$129,968	8.12 \$	131,182	\$	\$167,422		8.16 \$	131,969	
150W	\$8.04	6,729	\$54,098	8.12 \$	54,603	\$	\$69,687		8.16 \$	54,930	
250W	\$8.04	5,899	\$47,425	8.12 \$	47,868	\$	\$61,091		8.16 \$	48,155	
400W	\$8.04	1,199	\$9,636	8.12 \$	9,726	\$	\$12,413		8.16 \$	9,785	
1000W	\$16.44	71	\$1,172	16.59 \$	1,183	\$	\$738		16.69 \$	1,190	
		38,007									
Roadway 70	\$55.92	7,945	\$444,273	56.44 \$	448,421	\$	\$1,663,296		56.78 \$	451,111	
Roadway 100	\$55.92	16,165	\$903,960	56.44 \$	912,399	\$	\$3,384,296		56.78 \$	917,872	
Roadway 150	\$55.92	6,729	\$376,262	56.44 \$	379,774	\$	\$1,408,670		56.78 \$	382,053	
Roadway 250	\$55.92	5,899	\$329,850	56.44 \$	332,929	\$	\$1,234,911		56.78 \$	334,926	
Roadway 400	\$55.92	1,199	\$67,023	56.44 \$	67,649	\$	\$250,924		56.78 \$	68,054	
Roadway, 1000	\$126.72	71	\$9,035	127.90 \$	9,120	\$	\$14,927		128.67 \$	9,174	
		38,007									
Total HPS Lamp & Luminaire			\$2,436,578		\$2,459,326		\$8,350,660	0.38%		\$2,474,078	0.63%
			29%		0.9%					1.54%	
LED											
LL Roadway LED-B	84.00	12,055	\$1,012,621	84.78 \$	1,022,075	\$	\$1,919,245		84.43 \$	1,017,787	
LL Roadway LED-C	88.80	18,784	\$1,667,982	89.63 \$	1,683,555	\$	\$3,035,336		89.25 \$	1,676,491	
LL Roadway LED-D	110.40	5,899	\$651,206	111.43 \$	657,285	\$	\$1,047,561		110.96 \$	654,527	
LL Roadway LED-F	119.40	1,270	\$151,620	120.51 \$	153,035	\$	\$283,678		120.01 \$	152,393	
		38,007									
Total LED			\$3,483,429		\$3,515,951		\$6,285,819	1.16%		\$3,501,198	0.63%
			55%		0.9%					0.51%	
GRAND TOTAL			\$5,920,006		\$5,975,277		\$14,636,479			\$5,975,277	
			29%		0.9%					0.93%	

Lamp	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	Replacement Carrying Charge Rate	Replacement Cost Carrying Charge	Ratio LED% to HPS %	
										Target Revenue	Ratio LED% to HPS %
\$	11.06 \$	-	\$ 11.61 \$	\$ 16.15	\$ -	\$ -	\$ 16.15	12.391%	\$ 2.00		
Lamp Annual O&M	\$ 69.42	\$ 166.19	\$ 247.28	\$ 344.13	\$ 1.67	\$ 3.62	\$ 8.36	16.724%	\$ 8.36		
Luminaire Bracket	\$ 143.05	\$ 65.55	\$ 218.94	\$ 304.68	\$ 185.41	\$ 402.08	\$ 913.07	16.724%	\$ 152.70		
	\$ 212.47	\$ 231.74	\$ 466.22	\$ 648.81	\$ 235.11	\$ 509.86	\$ 1,370.27	12.391%	\$ 56.65		
LED luminaire (w/Bracket)	\$ 103.88	\$ 109.03	\$ 151.72	\$ 185.41	\$ 185.41	\$ 402.08	\$ 720.67	15.424%	\$ 111.16	\$ 159.21	
C	\$ 114.48	\$ 120.15	\$ 167.21	\$ 185.41	\$ 185.41	\$ 402.08	\$ 736.15	15.424%	\$ 113.55	\$ 161.60	
D	\$ 185.50	\$ 194.69	\$ 270.94	\$ 185.41	\$ 185.41	\$ 402.08	\$ 839.88	15.424%	\$ 129.55	\$ 177.59	
F	\$ 388.80	\$ 408.06	\$ 567.87	\$ 185.41	\$ 185.41	\$ 402.08	\$ 1,136.82	15.424%	\$ 175.35	\$ 223.39	
	\$ 169.05	\$ 169.05	\$ 235.26	\$ 49.70	\$ 107.79	\$ 387.77	\$ 387.77	12.391%	\$ 48.05		

Solve for equal % movement to Repl

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)

Dusk-to-Dawn Lamp	Rate Year 2 Facility Class	Billed Watts Per Lamp	Annual kWh Per Lamp	(3) Forecast Units	(4) Percent of Total Units	(5) Proposed Annual Facility Charge	(6) Proposed Annual T&D Charge	(7) Forecast Annual Commodity Charge	(8) Forecast Delivery Adjustments	(9) Gross Receipts Tax	(10) Total Annual Charge	(11) Average Charge Per Night	(12) Prorated Average Charge Per Night
High Pressure Sodium													
70W	Standard	86	359	43,820	18.6%	\$8.16	\$31.41	\$12.37	\$2.50	\$0.55	\$54.99	\$0.15	\$0.02796
100W	Standard	118	492	82,836	35.2%	\$8.16	\$43.05	\$16.95	\$3.43	\$0.72	\$72.31	\$0.20	\$0.07047
150W	Standard	173	721	32,467	13.8%	\$8.16	\$63.09	\$24.84	\$5.03	\$1.02	\$102.14	\$0.28	\$0.03867
250W	Standard	304	1,268	25,276	10.8%	\$8.16	\$110.95	\$43.68	\$8.84	\$1.73	\$173.36	\$0.47	\$0.05053
400W	Standard	470	1,960	6,153	2.6%	\$8.16	\$171.50	\$67.51	\$13.66	\$2.63	\$263.46	\$0.72	\$0.01884
1000W	Closed	1106	4,612	313	0.1%	\$16.56	\$403.55	\$158.87	\$32.15	\$6.17	\$617.30	\$1.69	\$0.00225
Metal Halide													
175W	Standard	207	863	2,323	1.0%	\$56.16	\$75.51	\$29.73	\$6.02	\$1.69	\$169.11	\$0.46	\$0.00455
250W	Standard	295	1,230	275	0.1%	\$56.16	\$107.63	\$42.37	\$8.57	\$2.17	\$216.90	\$0.59	\$0.00069
400W	Standard	451	1,881	569	0.2%	\$56.16	\$164.59	\$64.79	\$13.11	\$3.02	\$301.67	\$0.83	\$0.00201
1000W	Closed	1078	4,495	2	0.0%	\$56.16	\$393.31	\$154.84	\$31.33	\$6.42	\$642.06	\$1.76	\$0.00001
Mercury Vapor													
100W	Obsolete	130	542	598	0.3%	\$6.96	\$47.43	\$18.67	\$3.78	\$0.78	\$77.62	\$0.21	\$0.00053
175W	Obsolete	211	880	1,462	0.6%	\$6.96	\$77.00	\$30.31	\$6.13	\$1.22	\$121.62	\$0.33	\$0.00205
400W	Obsolete	477	1,989	372	0.2%	\$6.96	\$174.04	\$68.51	\$13.86	\$2.66	\$266.03	\$0.73	\$0.00115
1000W	Obsolete	1095	4,566	4	0.0%	\$13.20	\$399.53	\$157.28	\$31.83	\$6.08	\$607.92	\$1.67	\$0.00003
LED													
LL Roadway LED-B	Standard	25	104	16,086	6.8%	\$84.24	\$9.10	\$3.58	\$0.72	\$0.99	\$98.63	\$0.27	\$0.01847
LL Roadway LED-C	Standard	48	200	15,137	6.4%	\$89.04	\$17.50	\$6.89	\$1.39	\$1.16	\$115.98	\$0.32	\$0.02060
LL Roadway LED-D	Standard	96	400	5,963	2.5%	\$110.76	\$35.00	\$13.78	\$2.79	\$1.64	\$163.97	\$0.45	\$0.01141
LL Roadway LED-F	Standard	210	876	1,454	0.6%	\$119.76	\$76.65	\$30.18	\$6.11	\$2.35	\$235.05	\$0.64	\$0.00396
Total			235,109	100.0%	Proposed SC-2 Outage Credit per Lamp per Night:								\$0.27

Proposed Base T&D rate (a) 0.08750

Forecast Volumetric Delivery Adjustments (b)

Forecast Volumetric Delivery Adjustments (b)		Forecast Commodity Charges (2)	
DLM Surcharge	0.00006	Electricity Supply Cost (Weighted)	0.03009
Legacy Transition Charge	0.001212	Merchant Function Charge	0.00028
Renewable Portfolio Surcharge	0.000000	Electricity Supply Reconciliation Mechanism	0.00408
System Benefit Charge	0.0005701	Sum	0.034446
Incremental Statement Assessment Surcharge	0.000000	Revenue Tax on Delivery and Commodity Bill	1.0101%
Transmission Revenue Adjustment	0.000000		
Sum	0.00697		

(a) Source: Appendix 2, Schedule 8.2c
(b) Source: Appendix 2, Schedule 8.14c

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. 3 - Street Lighting (Customer Owned and Maintained)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Rate Year 2 Facility Class	Billed Watts Per Lamp	Annual kWh Per Lamp	Forecast Units	Percent of Total Units	Proposed Annual Facility Charge	Proposed Annual T&D Charge	Forecast Annual Commodity Charge	Forecast Delivery Adjustments	Gross Receipts Tax	Total Annual Charge	Average Charge Per Night	Prorated Average Charge Per Night
High Pressure Sodium												
70W Standard	86	359	see note	22.3%	n/a	\$21.57	\$12.37	\$2.50	\$0.37	\$36.81	\$0.10	\$0.02230
100W Standard	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 Standard	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 Standard	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 Closed	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 Obsolete	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	0.2%	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%								\$0.19
Proposed Base T&D rate (a)	0.06007											
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	0.000000											
Sum	0.00697											
Forecast Commodity Charges (2)												
Electricity Supply Cost (Weighted)								0.03009				365
Merchant Function Charge								0.00028				4,170
Electricity Supply Reconciliation Mechanism								0.00408				
Sum								0.034446				
Revenue Tax on Delivery and Commodity Bill								1.0101%				

(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/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. 6 - Street Lighting (Customer Owned, Company Maintained)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Rate Year 2 Facility Class	Billed Watts Per Lamp	Annual kWh Per Lamp	Avg Monthly Forecast Units	Percent of Total Units	Proposed Annual Facility Charge	Proposed Annual T&D Charge	Forecast Annual Commodity Charge	Forecast Delivery Adjustments	Gross Receipts Tax	Total Annual Charge	Average Charge Per Night	Prorated Average Charge Per Night
High Pressure Sodium												
70W	Closed 86	359	4	1.0%	\$8.04	\$21.57	\$12.37	\$2.50	\$0.45	\$44.93	\$0.12	\$0.00115
100W	Closed 118	492	194	48.4%	\$9.24	\$29.55	\$16.95	\$3.43	\$0.60	\$59.77	\$0.16	\$0.07744
150W	Closed 173	721	58	14.5%	\$9.72	\$43.31	\$24.84	\$5.03	\$0.84	\$83.74	\$0.23	\$0.03328
250W	Closed 304	1,268	65	16.2%	\$9.48	\$76.17	\$43.68	\$8.84	\$1.40	\$139.57	\$0.38	\$0.06162
400W	Closed 470	1,960	17	4.2%	\$8.28	\$117.74	\$67.51	\$13.66	\$2.09	\$209.28	\$0.57	\$0.02417
Metal Halide												
250W	Closed 295	1,230	11	2.7%	\$54.00	\$73.89	\$42.37	\$8.57	\$1.81	\$180.64	\$0.49	\$0.01345
Mercury Vapor												
100W	Closed 130	542	52	13.0%	\$6.96	\$32.56	\$18.67	\$3.78	\$0.63	\$62.60	\$0.17	\$0.02205
Total			401	100.0%								\$0.23
Proposed Base T&D rate (a)		0.06007										
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		0.000000										
Sum		0.00697										
Forecast Commodity Charges (2)												
Electricity Supply Cost (Weighted)								0.03009				365
Merchant Function Charge								0.00028				4,170
Electricity Supply Reconciliation Mechanism								0.00408				
Sum								0.034446				
Revenue Tax on Delivery and Commodity Bill								1.0101%				

(a) Source: Appendix 2, Schedule 8.2c
(b) Source: Appendix 2, Schedule 8.14c

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
RATE YEAR 3

	Rate Year 3 (FY 2021) at Rate Year 2 Rates				Rate Year 3 (FY 2021) at Proposed Rates				Percentage Change in Rate					
	SC-1		SC-3/SC-6		SC-1		SC-3/SC-6		SC-1		SC-3/SC-6		SC-4	
	SC-2/Contract	SC-4	SC-2/Contract	SC-4	SC-2/Contract	SC-4	SC-2/Contract	SC-4	SC-2/Contract	SC-4	SC-2/Contract	SC-4	SC-2/Contract	SC-4
COMMODITY RATES														
(1) Electricity Supply Cost - Western	0.02605	0.02605	0.02605	0.03337	0.02605	0.02605	0.02605	0.03337	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(1) 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%	0.0%	0.0%
(1) 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%	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%	0.0%	0.0%
(3) MFC (Merchant Function Charge %)	0.776%	0.776%	0.776%	0.776%	0.776%	0.776%	0.776%	0.776%	0.0%	0.0%	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%	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%	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%	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%	0.0%	0.0%
DELIVERY RATES														
(4) Base T&D Rates	0.08669	0.08669	0.05951	0.01083	0.08750	0.08750	0.08750	0.06007	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%
(5) DLM	0.00006	0.00006	0.000057	0.000057	0.000057	0.000057	0.000057	0.000057	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(6) 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%	0.0%	0.0%
(7) 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%	0.0%	0.0%
(8) Clean Energy Supply - Delivery	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
(9) 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%	0.0%	0.0%
DELIVERY SUM	0.093660	0.093660	0.066481	0.017803	0.094471	0.094471	0.094471	0.067041	0.9%	0.9%	0.9%	0.8%	0.9%	0.6%
TOTAL VOLUMETRIC RATE (WESTERN)	0.124275	0.124275	0.097095	0.055791	0.125085	0.125085	0.125085	0.097655	0.7%	0.7%	0.7%	0.6%	0.2%	0.2%
TOTAL VOLUMETRIC RATE (CENTRAL)	0.124338	0.124338	0.097159	0.054674	0.125149	0.125149	0.125149	0.097719	0.7%	0.7%	0.7%	0.6%	0.2%	0.2%
TOTAL VOLUMETRIC RATE (EASTERN)	0.136426	0.136426	0.109247	0.066598	0.137237	0.137237	0.137237	0.109807	0.6%	0.6%	0.6%	0.5%	0.1%	0.1%

(1) 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

Average Total Bill Percent Increases by Service Class RY3

	Rate Year 2 Usage	Rate Year 2 T&D	Rate Year 2 Facility	Rate Year 2 T&D Surcharges	Rate Year 2 Commodity	Rate Year 2 Total Bill	Revenue Requirement Increase	Average Percent Total Bill Increase	Increase on T&D & Facility Revenue
SC-1	21,736,230	\$1,884,311 43%	\$1,644,035 38%	\$151,514 3%	\$703,958 16%	\$4,383,817	\$32,941	0.8%	0.9%
SC-2	140,352,171	\$12,167,109 22%	\$36,523,886 67%	\$978,336 2%	\$4,545,500 8%	\$54,214,831	\$454,589	0.8%	0.9%
SC-3	9,032,444	\$537,523 60%	\$7,427 1%	\$62,961 7%	\$292,528 32%	\$900,439	\$5,088	0.6%	0.9%
SC-4	8,970,329	\$97,166 7%	\$847,790 63%	\$62,528 5%	\$344,916 26%	\$1,352,400	\$8,822	0.7%	0.9%
SC-5	141,564	\$12,272 16%	\$59,429 77%	\$987 1%	\$4,585 6%	\$77,273	\$669	0.9%	0.9%
SC-6	296,136	\$17,623 53%	\$4,056 12%	\$2,064 6%	\$9,591 29%	\$33,334	\$202	0.6%	0.9%
	180,528,874	\$ 14,716,005	\$ 39,086,626	\$ 1,258,391	\$ 5,901,079	\$ 60,962,095	\$ 502,312	0.8%	0.9%

SC1 Customer Bill Impact Analysis RY3						
			# 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%	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%	\$ -	
Totals (annual impact)			6098	100%	\$ 45,450	\$ 7

SC2 Customer Bill Impact Analysis 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%	\$ -	
Totals (annual impact)			765	100%	\$ 606,392	\$ 793

SC3 Customer Bill Impact Analysis 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%	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 impact)			130	100%	\$ 6,932	\$ 53

SC4 Customer Bill Impact Analysis RY3						
			# 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%	\$ -	
Totals (annual impact)			135	100%	\$ 16,283	\$ 121

SC5 Customer Bill Impact Analysis RY3						
			# 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%	\$ -	
Totals (annual impact)			6	100%	\$ 3,905	\$ 651

SC6 Customer Bill Impact Analysis RY3						
			# 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%	\$ -	
Totals (annual impact)			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

Niagara Mohawk Power Corporation d/b/a National Grid
Illustrative Example of EAM (Earnings Adjustment Mechanism)

Service Class	1	2	3	4	5	6	Earned EAM		7	8	9
							ICP Allocation %	NCP Primary Allocation %			
SCI	40.99%	51.14%	66.25%	\$ 1,024,733	\$ 3,776,302	\$ 1,742,136	\$ 6,543,170	\$ 11,042,711,403	\$ 0.00059		
SCIC	0.81%	1.07%	1.02%	\$ 20,252	\$ 58,352	\$ 31,937	\$ 110,542	\$ 284,120,235	\$ 0.00039		
SC2ND	2.54%	2.98%	2.93%	\$ 63,598	\$ 166,976	\$ 93,002	\$ 323,576	\$ 614,715,129	\$ 0.00053		
SC2D	14.46%	17.17%	12.39%	\$ 361,441	\$ 705,980	\$ 484,122	\$ 1,551,543	\$ 14,321,604	\$ 0.11		
SC3Sec	13.34%	16.71%	5.24%	\$ 333,598	\$ 298,815	\$ 388,246	\$ 1,020,660	\$ 11,350,978	\$ 0.09		
SC3Pri	5.15%	6.34%	1.62%	\$ 128,719	\$ 92,135	\$ 144,155	\$ 365,009	\$ 4,479,967	\$ 0.08		
SC3Sub/Tran	1.64%	0.00%	0.90%	\$ 41,121	\$ 51,361	\$ 28,005	\$ 120,487	\$ 1,747,419	\$ 0.07		
SC3ASec/Pri	2.98%	3.70%	0.68%	\$ 74,547	\$ 38,867	\$ 80,963	\$ 194,377	\$ 2,463,458	\$ 0.08		
SC3ASub	3.75%	0.00%	1.07%	\$ 93,812	\$ 60,784	\$ 53,008	\$ 207,604	\$ 3,204,773	\$ 0.06		
SC3ATrans	14.31%	0.00%	7.39%	\$ 357,722	\$ 421,067	\$ 238,656	\$ 1,017,445	\$ 12,028,467	\$ 0.08		
SL	0.02%	0.90%	0.52%	\$ 456	\$ 29,361	\$ 15,768	\$ 45,586	\$ 186,554,529	\$ 0.00024		
				\$ 2,500,000	\$ 5,700,000	\$ 3,300,000	\$ 11,500,000				

* Excludes SC12 (in accordance with their contract), EZR and EJP Load

- 1 Supported by Exhibit (E-RDP-3CU), Schedule 8D, Line 17 (ICP_Trans)
- 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.

Niagara Mohawk Power Company (Electric) dba National Grid
Marginal Cost Study
Marginal Cost Rates

Sch. 7

Line	Rate Class	Marginal Cost		Total Annual Cost	Year 1				Proposed Marginal Cost Rates		
		Demand	Customer		No. of Customers	Proposed Customer Charge	Proposed Customer Revenue	Balance of Marginal Cost		kWh Deliveries	Billed kW
1	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		
2	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		\$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		\$4.15
6	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		\$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		\$1.87
8	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		\$3.02
9	Large General TOU-U	\$7,657,488	\$3,511,494	\$11,168,982	68	1,744.00	\$1,416,151	\$9,752,831	1,611,724,028		\$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		\$1.38
11	Lighting	\$0	\$0	\$0	7,144		\$0	\$0	180,528,874		
12	Total - Excluding Lighting	\$527,324,491	\$516,774,743	\$1,044,099,235	1,662,290		\$391,122,752	\$652,976,483	33,328,851,205		
13											
14											
15	Residential	\$367,130,691	\$374,834,441	\$741,965,133	1,485,903	17.00	\$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		\$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		\$3.89
20	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		\$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		\$1.78
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		\$2.90
23	Large General TOU-U	\$7,657,488	\$3,511,494	\$11,168,982	66	2,088.00	\$1,650,178	\$9,518,804	1,611,724,028		\$2.93
24	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		\$1.34
25	Lighting	\$0	\$0	\$0	0		\$0	\$0	180,528,874		
26	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		
27											
28	Residential	\$367,130,691	\$374,834,441	\$741,965,133	1,490,193	17.00	\$303,999,308	\$437,965,824	11,042,711,403		
29	Residential TOU	\$6,057,819	\$2,368,185	\$8,426,004	4,574	30.00	\$1,646,638	\$6,779,366	284,120,235		
30	Small General No Dem	\$9,770,312	\$47,489,255	\$57,259,567	115,027	21.02	\$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		\$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		\$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		\$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		\$1.69
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		\$2.79
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		\$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		\$1.30
38	Lighting	\$0	\$0	\$0	0		\$0	\$0	180,528,874		
39	Total - Excluding Lighting	\$527,324,491	\$516,774,743	\$1,044,099,235	1,664,421		\$401,479,609	\$642,619,626	33,328,851,205		

**Niagara Mohawk Power Corporation d/b/a National Grid
Development of Excelsior Jobs Program (EJP) Rates**

Service Classification	Current EJP Rate (per kw/kWh)	(1)	(2)	(3)	(4)	Proposed EJP Rates			(9)	
						Rate Year 3 Proposed Marginal Rate	Proposed YR3 Standard Delivery Rate	Phase in		- RY1
SC2ND	\$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
SC3 Sec	\$3.74		\$3.62	\$11.09	Yes	\$3.72	\$3.69	\$3.67	\$3.64	\$3.62
SC3 Pri	\$2.16		\$2.67	\$9.79	Yes	\$2.26	\$2.36	\$2.47	\$2.57	\$2.67
SC3A Sub	\$2.51		\$2.86	\$3.66	Yes	\$2.58	\$2.65	\$2.72	\$2.79	\$2.86
SC3 Sub/Trans	\$2.00				No	(10)	(11)	(12)		
SC3A Sec/Pri	\$4.08			\$2.96	No	\$1.87	\$1.78	\$1.69		
SC3ATRA	\$1.70			\$10.66	No	\$3.02	\$2.90	\$2.79		
				\$3.36	No	\$1.38	\$1.34	\$1.30		

(1) Current EJP Rates
 (2) Year 3 Proposed Marginal Rates per Joint Proposal Appendix 2, Schedule 10.1
 (3) Year 3 Proposed Delivery Rates
 (4) If Column (2) is greater than Column (1) and lesser than Column (3), then 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
 (5)-(9) Five year Phased in EJP Rates
 (10)-(12) RY1-RY3 Rates per Appendix 2, Schedule 10.1 for classes with no phase in.

**Niagara Mohawk Power Corporation d/b/a National Grid
Development of Economic Development Zone Program (EZR) Rates**

Service Classification	Current EZR Rate (per kw/kWh)	(1)	(2)	(3)	(5)	Proposed SC2ND EZR Rates			(9)	
						Rate Year 3 Proposed Marginal Rate for SC2ND Only	Proposed YR3 Standard Delivery Rate (SC2ND Only)	Rate - RY1		Proposed SC2ND EZR Rate - RY 2
SC2ND (Phase In)	\$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
SC3 Sec	\$3.74		\$3.62	\$11.09	Yes	\$3.72	\$3.69	\$3.67	\$3.64	\$3.62
SC3 Pri	\$2.16		\$2.67	\$9.79	Yes	\$2.26	\$2.36	\$2.47	\$2.57	\$2.67
SC3 Sub/Trans	\$2.00				No	(10)	(11)	(12)		
SC3A Sec/Pri	\$4.08			\$2.96	No	\$1.87	\$1.78	\$1.69		
SC3A Sub	\$2.51			\$10.66	No	\$3.02	\$2.90	\$2.79		
SC3ATRA	\$1.70			\$3.36	No	\$1.38	\$1.34	\$1.30		

(1) Current SC2ND EZR Rates
 (2) Year 3 Proposed Marginal Rates per Joint Proposal Appendix 2, Schedule 10.1
 (3) Year 3 Proposed SC2ND Delivery Rates
 (5)-(9) Proposed SC2ND EZR Rates for Rate Years 1 - 5 based on Five Year Phase In to RY 3 Marginal Cost Rate
 (10)-(12) Proposed EZR Rates for Years 1 - 3 based on Proposed Marginal Rates per Joint Proposal Appendix 2, Schedule 10.1

ETIP Cost Allocation by Benefits

Line	Description	Source	Total	Resid-ential TOU	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	Allocator- ICP-No NYPA	Exh. RDP-3, Sch. 9A, line 7, NYPA removed	5,460	2,481	49	154	865	776	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	-	157	-	-	48
3	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	545,883	937,184	1,378,962	3,237,633	180,529
4														
5	% ICP-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%
6	% 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%
8														
9	Weighted ICP-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%	0.90%	0.00%
10	Weighted NCP-Pri-No NYPA	Line 6 X Line 26		4.65%	0.10%	0.27%	1.54%	1.46%	0.53%	0.00%	0.27%	0.00%	0.00%	0.08%
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%	9.99%	0.59%
13														
14	Allocation of ETIP (\$000s)		\$51,154	\$20,726	\$509	\$1,186	\$7,764	\$7,704	\$3,141	\$884	\$1,636	\$2,190	\$5,112	\$302

Avoided Costs (\$000S)	Total	2017	2018	2019	2020	Allocation Basis
Generation Capacity	\$55,038	\$19,235	\$21,422	\$6,786	\$7,594	ICP_Trans
Transmission Capacity	8,390	-	-	4,112	4,278	ICP_Trans
Distribution Capacity	48,769	6,731	7,355	16,998	17,685	NCP_Pri
Energy	365,462	112,670	131,834	58,114	62,843	Energy
CO2	70,149	-	-	34,388	35,762	Energy
TOTAL	\$547,808	\$138,636	\$160,612	\$120,398	\$128,162	
Allocator	Total	%				
ICP_Trans	\$63,428	11.58%				
NCP_Pri	48,769	8.90%				
Energy	435,611	79.52%				
	\$547,808	100.00%				

Illustrative Allocation of Avoided Capacity and Ancillary Service Costs from Legacy and SC-6 Contracts to Legacy Transition Charge (LTC)

Description	Forecast April 2018	Actual April 2018
1 Legacy Contracts Energy MWh	130,000	160,000
2 Legacy Contracts Rate \$/MWh	\$70.00	\$68.00
3 Legacy Contracts Costs (\$) (Line 1 x Line 2)	\$10,500,000	\$10,880,000
4 Market Energy Rate \$/MWh (Zone C)	\$20.00	\$22.00
5 Market Capacity Rate \$/kw-mo	\$0.30	\$0.20
6 Market Ancillary Rate \$/MWh	\$2.40	\$2.30
7 Legacy Contracts Capacity (MW)	135	135
8 Legacy Contract Energy Market Value (\$) (Line 1 x Line 4)	\$3,000,000	\$3,520,000
9 Legacy Contract Capacity Market Value (\$) (Line 5 x Line 7 x 1000)	\$40,500	\$27,000
10 Legacy Contract Ancillary Market Value (\$) (Line 1 x Line 6)	\$360,000	\$368,000
11 Legacy Contracts Total Market Value (\$) (Line 8 + Line 9 + Line 10)	\$3,400,500	\$3,915,000
12 SC-6 Contracts Avoided Capacity (MW)	N/A	1.5
13 SC-6 Contracts Avoided Ancillary (MWh)	N/A	25,000
14 SC-6 Contracts Avoided Capacity Costs (\$) (Line 5 x Line 12 x 1000)	\$0	\$300
15 SC-6 Contracts Avoided Ancillary Costs (\$) (Line 6 x Line 13)	\$0	\$57,500
16 SC-6 Contracts Avoided Cap / Anc Market Value (\$) (Line 14+Line 15)	\$0	\$57,800
17 Net Market Value (OMVC) (\$) (Line 3 - Line 11 - Line 16)	\$7,099,500	\$6,907,200
Description	Forecast June 2018	
18 Legacy Contracts MWh	110,000	
19 Legacy Contract Rate \$/MWh	\$70.00	
20 Legacy Contract Costs (\$) (Line 18 x Line 19)	7,700,000	
21 Market Energy Rate \$/MWh (Zone C)	\$23.00	
22 Market Capacity Rate \$/kw-mo	\$1.80	
23 Market Ancillary Rate \$/MWh	\$2.20	
24 Legacy Contracts Capacity (MW)	110	
25 Legacy Contract Energy Market Value (\$) (Line 18 x Line 21)	\$2,530,000	
26 Legacy Contract Capacity Market Value (\$) (Line 22 x Line 24 x 1000)	\$198,000	
27 Legacy Contract Ancillary Market Value (\$) (Line 18 x Line 23)	\$242,000	
28 Legacy Contracts Total Market Value (\$) (Line 25 + Line 26 + Line 27)	2,970,000	
29 SC-6 Contracts Avoided Capacity (MW)	N/A	
30 SC-6 Contracts Avoided Ancillary (MWh)	N/A	
31 SC-6 Contracts Avoided Capacity Costs (\$) (Line 22 x Line 29 x 1000)	\$0	
32 SC-6 Contracts Avoided Ancillary Costs (\$) (Line 23 x Line 30 x 1000)	\$0	
33 SC-6 Contracts Avoided Cap / Anc Market Value (\$) (Line 31+Line 32)	\$0	
34 Forecast Net Market Value (OMVC) (\$) (Line 20 - Line 28 - Line 33)	\$4,730,000	

LTC Worksheet Filed Monthly

Legacy Transition Charge Rule 46.2 (exclusive of the Rule 46.2.6 NYPA Benefit)		April 2018	June 2018
1	Forecast Net Market Value (OMVC) of Legacy Hedges		\$ 4,730,000.00
2	Scheduled Nine Mile 2 RSA Credit		\$ -
3	Actual Net Market Value (OMVC) of Legacy Hedges	\$ 6,907,200.00	
4	Nine Mile 2 RSA Credit	\$ -	
5	Prior LTC reconciliation calculated for October 2017 Billing	\$ (200,000.00)	
6	Intended Billing (Line 3 + Line 4 + Line 5)	\$ 6,707,200.00	
7	Legacy Transition Charge Billed Revenue	\$ 7,000,000.00	
8	Reconciliation of Billing Revenue (Line 6 - Line 7)		\$ (292,800.00)
9	Legacy Transition Charge for December 2017 Billing (Line 1 + Line 2 + Line 8)		\$ 4,437,200.00
Rate Calculation			Billing Month
10	Forecast Total Delivery Sales in Billing Month (MWh)		2,400,000.000
11	Legacy Transition Charge (Line 9 / Line 10)		\$ 0.001849

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

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

Class Name	Customers	Billed Terms	1	2	3	4	5	6	7	8	9	10
			Base Delivery Revenue	Merchant Function Charge Revenue	CEF Revenue	EES Revenue	EF/R/EP 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 Heat	25,843	4,440,425	\$7,432,201	\$103,746	\$16,334	\$40,848	\$0	\$0	\$7,593,129	\$1,412,747	\$198,383	\$9,204,259
SC1 Residential Heat	456,607	434,566,095	\$192,501,773	\$10,179,306	\$1,598,562	\$3,997,586	\$0	\$0	\$208,277,226	\$138,885,657	\$5,916,221	\$353,079,104
SC1 MB Residential Non-Heat	2,954	529,638	\$60,815	\$0	\$1,948	\$4,872	\$0	\$0	\$67,635	\$0	\$21,903	\$89,539
SC1 MB Residential Heat	88,108	90,773,784	\$37,997,525	\$333,914	\$835,031	\$0	\$0	\$0	\$39,166,470	\$0	\$988,747	\$40,155,217
Total SC1	573,513	\$30,309,942	\$238,792,314	\$10,283,052	\$1,950,758	\$4,878,336	\$0	\$0	\$255,904,460	\$140,298,404	\$7,125,254	\$403,328,118
SC2 Residential Non Heat	111	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	\$0	\$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	77	1,465,234	\$261,830	\$13,410	\$5,390	\$13,479	(\$2,502)	\$0	\$291,705	\$462,687	\$3,576	\$757,968
SC2 MB Residential Non Heat	13	2,496	\$4,288	\$0	\$9	\$23	\$0	\$0	\$4,320	\$0	\$109	\$4,429
SC2 MB Residential Heat	307	1,025,141	\$320,450	\$0	\$3,771	\$9,430	\$0	\$0	\$333,651	\$0	\$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	\$0	\$370,010	\$925,299	(\$168,856)	\$0	\$25,101,867	\$0	\$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	\$58,723,455	\$34,839,133	\$475,826	\$95,038,415
SC3 Commercial Non Heat	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SC3 Commercial Heat	34	7,876,391	\$943,680	\$70,573	\$26,973	\$72,455	\$0	\$0	\$1,115,681	\$2,388,495	\$16,468	\$3,490,644
SC3 Industrial	8	2,093,699	\$240,926	\$18,692	\$7,702	\$19,260	\$0	\$0	\$286,581	\$621,254	\$4,303	\$912,138
Total SC3	42	\$9,970,089	\$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	\$0	\$33,251	\$7,048,313
SC6 Interruptible	15	47,027,611	\$2,503,905	\$0	\$0	\$0	\$0	\$0	\$2,503,905	\$0	\$11,869	\$2,515,774
SC7 Small Volume Firm Transportation	704	64,251,101	\$9,079,229	\$0	\$236,349	\$591,048	(\$111,204)	\$0	\$9,795,421	\$0	\$46,430	\$9,841,852
SC8 Transportation Service with Standby Sales Service	60	235,986,242	\$16,218,423	\$0	\$688,081	\$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	1	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	\$709	\$150,391
SC11 Load Aggregation Service	-	-	\$0	\$118	\$0	\$0	\$0	\$0	\$0	\$3,881	\$0	\$6,610
SC12 Distributed Generation (<250K)	1	14,208	\$2,580	\$0	\$0	\$0	\$0	\$0	\$2,698	\$0	\$0	\$0
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	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SC12 Distributed Generation (>2.5M)	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SC13 Residential Distributed Generation	3	3,618	\$1,129	\$32	\$0	\$0	\$0	\$0	\$1,161	\$1,161	\$35	\$2,357
SC12 MB Distributed Generation (<250K)	1	49,098	\$4,488	\$0	\$0	\$0	\$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)	3	4,662,867	\$268,408	\$0	\$0	\$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	\$271,184,727	\$39,088,439	\$150	\$1,399,267	\$3,499,201	(\$792,486)	\$0	\$43,174,572	\$56,304	\$248,118	\$43,476,993
SC14 Dual Fuel Electric Generators	5	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)		\$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)	\$372,973,676	\$178,173,590	\$7,932,008	\$558,479,274
Late Payment Charges									\$2,600,717		\$38,779	\$2,639,496
One Bill Billing Fees									\$919,365		\$0	\$919,365
Supervision & Admin Allocated to Gas									\$1,845,239		\$0	\$1,845,239
Misc. 3rd Party Billings									\$638,438		\$0	\$638,438
Revenues from Affiliates									\$6,615		\$0	\$6,615
Other Misc. Fees (Reconnection Charge)									\$67,758		\$0	\$67,758
POR MFC (Credit & Collections Revenues)			\$589,376						\$589,376		\$12,011	\$601,387
Revenue Total	621,687	1,767,792,375	\$348,420,382	\$11,571,456	\$4,182,140	\$10,458,439	(\$1,150,000)	\$5,358,766	\$379,241,183	\$178,173,590	\$7,982,798	\$565,397,571

Niagara Mohawk Power Corporation d/b/a National Grid
Forecast Gas Revenue Exhibit
FY2020

Class Name	Customers	Billed Therms	1	2	3	4	5	6	7	8	9	10
			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 Heat	26,243	4,483,714	\$7,540,655	\$101,271	\$16,493	\$41,246	\$0	\$0	\$7,699,666	\$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	\$0	\$0	\$212,079,736	\$136,156,828	\$5,999,280	\$354,235,844
SC1 MB Residential Non-Heat	2,510	449,572	\$731,356	\$0	\$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	\$0	\$0	\$38,284	\$4,422	\$987	\$43,694
SC2 Residential Heat	1,573	2,104,739	\$974,667	\$18,460	\$7,742	\$19,962	\$0	\$0	\$1,020,231	\$641,215	\$28,795	\$1,690,241
SC2 Commercial Non Heat	1,226	3,287,147	\$28,505	\$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	11	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	\$688,427	\$0	\$11,298	\$28,253	(\$4,708)	\$0	\$693,271	\$0	\$4,234	\$697,505
SC2 MB Commercial Heat	15,550	101,568,369	\$24,126,626	\$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	\$66,892,797	\$983,822	\$806,581	\$2,017,047	(\$291,409)	\$0	\$60,408,639	\$34,125,161	\$476,734	\$95,010,734
SC3 Commercial Non Heat	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SC3 Commercial Heat	32	7,813,909	\$926,607	\$66,951	\$26,744	\$71,880	\$0	\$0	\$1,084,182	\$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	\$823,505
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 Transportation	707	65,450,763	\$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	60	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	5	82,675,716	\$3,931,379	\$0	\$0	\$0	\$0	\$0	\$3,931,379	\$0	\$62,567	\$3,993,946
NYSEG Transportation	1	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)	1	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	\$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)	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SC13 Residential Distributed Generation	3	3,607	\$1,129	\$31	\$0	\$0	\$0	\$0	\$1,160	\$1,116	\$35	\$2,311
SC12 MB Distributed Generation (<250K)	1	55,886	\$4,889	\$0	\$0	\$0	\$0	\$0	\$4,889	\$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
Total SC5 - SC13	965	533,384,758	\$39,583,806	\$162	\$1,417,912	\$3,545,927	(\$643,591)	\$0	\$43,874,116	\$55,715	\$252,183	\$44,182,014
SC14 Dual Fuel Electric Generators	5	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)	\$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									\$2,599,881		\$38,714	\$2,638,575
One Bill Billing Fees									\$919,365			\$919,365
Supervision & Admin Allocated to Gas									\$1,893,192			\$1,893,192
Misc. 3rd Party Billings									\$860,227			\$860,227
Revenues from Affiliates									\$6,615			\$6,615
Other Misc. Fees (Reconnection Charge)									\$67,758			\$67,758
POR MFC (Credit & Collections Revenues)									\$563,741		\$11,326	\$575,068
Revenue Total	626,708	1,781,925,833	\$351,101,258	\$11,175,629	\$4,220,610	\$10,554,644	(\$935,000)	\$5,427,653	\$382,125,494	\$174,573,560	\$8,012,695	\$564,711,749

Niagara Mohawk Power Corporation d/b/a National Grid
Forecast Gas Revenue Exhibit
FY2021

Class Name	Customers	Billed Terms	1	2	3	4	5	6	7	8	9	10
			Base Delivery Revenue	Merchant Function Charge Revenue	CEF Revenue	EES Revenue	EF/R/EIP 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 Heat	28,095	4,448,622	\$7,495,296	\$100,721	\$16,364	\$40,923	\$0	\$0	\$7,653,304	\$1,354,135	\$199,624	\$9,207,063
SC1 Residential Heat	477,648	452,049,114	\$200,959,330	\$10,273,566	\$1,662,873	\$4,158,412	\$0	\$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	78,821	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	\$0	\$0	\$1,020,889	\$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	\$13,882	\$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	\$9	\$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	\$37,875	\$934,663	(\$110,967)	\$0	\$25,332,355	\$0	\$120,075	\$25,452,430
SC2 MB Industrial	73	1,325,319	\$230,727	\$0	\$4,875	\$12,192	(\$1,446)	\$0	\$246,348	\$0	\$1,168	\$247,516
Total SC2	47,540	220,098,623	\$57,089,838	\$1,004,993	\$809,638	\$2,024,693	(\$236,872)	\$0	\$60,692,291	\$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	\$25,086	\$70,237	\$0	\$0	\$1,061,392	\$2,180,081	\$15,365	\$3,256,837
SC3 Industrial	9	2,279,091	\$265,838	\$19,714	\$8,384	\$20,965	\$0	\$0	\$314,901	\$641,528	\$4,533	\$960,963
Total SC3	39	9,914,334	\$1,162,502	\$86,119	\$36,470	\$91,202	\$0	\$0	\$1,376,293	\$2,821,609	\$19,898	\$4,217,800
SC5 Firm Gas Transportation	158	81,862,546	\$6,259,208	\$0	\$30,133	\$753,056	(\$109,410)	\$0	\$7,203,987	\$0	\$34,147	\$7,238,134
SC6 Interruptible	15	48,166,279	\$2,582,020	\$0	\$0	\$0	\$0	\$0	\$2,582,020	\$0	\$12,144	\$2,574,164
SC7 Small Volume Firm Transportation	715	66,483,357	\$9,354,212	\$0	\$244,561	\$611,582	(\$74,926)	\$0	\$10,135,429	\$0	\$48,042	\$10,183,471
SC8 Transportation Service with Standby Sales Service	60	241,646,471	\$16,539,867	\$0	\$888,902	\$2,222,913	(\$340,592)	\$0	\$19,311,090	\$0	\$91,535	\$19,402,625
SC9 Negotiated Transportation Service	5	82,783,054	\$4,007,632	\$0	\$0	\$0	\$0	\$0	\$4,007,632	\$0	\$63,780	\$4,071,412
NYSEG Transportation	1	3,007,767	\$290,318	\$0	\$0	\$0	\$0	\$0	\$290,318	\$0	\$1,376	\$291,694
SC10 Natural Gas Vehicles	2	169,778	\$103,395	\$0	\$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)	1	16,576	\$2,713	\$133	\$0	\$0	\$0	\$0	\$2,847	\$4,280	\$34	\$7,161
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	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SC12 Distributed Generation (>2.5M)	-	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SC13 Residential Distributed Generation	3	3,605	\$1,129	\$31	\$0	\$0	\$0	\$0	\$1,160	\$1,109	\$35	\$2,304
SC12 MB Distributed Generation (<250K)	1	57,281	\$4,939	\$0	\$0	\$0	\$0	\$0	\$4,939	\$23	\$0	\$4,963
SC12 MB Distributed Generation (250K to 1000K)	7	639,684	\$71,519	\$0	\$0	\$0	\$0	\$0	\$71,519	\$0	\$339	\$71,858
SC12 MB Distributed Generation (1M to 2.5M)	3	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	-	-	\$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	\$44,592,411	\$56,733	\$256,018	\$44,848,163
SC14 Dual Fuel Electric Generators	5	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)			\$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)	\$375,080,337	\$176,920,292	\$8,028,370	\$563,028,999
Late Payment Charges								\$2,622,150			\$39,080	\$2,661,231
One Bill Billing Fees								\$919,365			\$0	\$919,365
Supervision & Admin Allocated to Gas								\$1,938,891			\$0	\$1,938,891
Misc. 3rd Party Billings								\$680,991			\$0	\$680,991
Revenues from Affiliates								\$6,615			\$0	\$6,615
Other Misc. Fees (Reconnection Charge)								\$67,758			\$0	\$67,758
POR MFC (Credit & Collections Revenues)			\$530,205						\$530,205		\$10,453	\$540,658
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

Niagara Mohawk Power Corporation (Gas)
Rate Plan
Years Ending March 31, 2019-2021
Reconciliation of Proposed Increases (\$000s)

Line	Description	Source	Rate Year 1	Rate Year 2	Rate Year 3
			March 31, 2019	March 31, 2020	March 31, 2021
1	Base Rev Req	Appendix 1, Schedule 2	615,025	619,766	635,925
2	Less: GRT	Appendix 1, Schedule 2	(8,847)	(8,903)	(9,161)
3	Total Rev Req (excl GRT)		606,178	610,863	626,764
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
6					
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)
9	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⁾	(67)	(67)	(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
20					
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	60,678	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)
26					
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 Line27	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

⁽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
Years Ending March 31, 2019-2022
Revenue Allocation

Sch. 2

Line	Description	SC	Customers	Deliveries Dth	Rate Year 1				Rate Year 1				Rate Year Proposed over Present
					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		
1	SC-1 Residential	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	SC2	47,166	21,623,879	56,287	1,062	57,349	62,916	973	6	63,896	11.4%	
3	SC-3 Large General	SC3	42	997,009	1,185	94	1,278	1,244	86	0	1,330	4.0%	
4	SC-5 Firm Transport	SC5	158	8,015,083	6,149	-	6,149	6,757	-	0	6,757	9.9%	
5	SC-7 Small IT	SC7	704	6,425,110	9,079	-	9,079	10,104	-	0	10,104	11.3%	
6	SC-8 Standby Sales	SC8	60	23,598,624	16,218	-	16,218	17,595	-	1	17,596	8.5%	
7	SC-10 NGV	SC10	2	16,161	98	-	98	98	-	0	98	0.0%	
8	SC-12 -S DG NonRes	SC12	14	1,428,139	868	0	868	868	0	0	868	0.0%	
9	SC-13 DG Res	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	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									10,975				

- 15 Levelized Increase from Exhibit
- 16 Surecredit 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

Sch. 2

Line	Description	SC	Rate Year 1 Proposed									
			Delivery Margin- Rate Year 1 Proposed over Present	Portion of Increase	Year 1 Increase	ETIP at Present	Delivery Margin at PRESENT Rates	Delivery Margin Year 1	Surcredit*	Net Delivery Margin	Delivery Revenue at Year 1 (Margin-MFC)	Tax Credit
1	SC-1 Residential	SC1	39,507	80.3%	40,343	4,878	249,608	294,829	(23,906)	270,923	260,107	(10,295)
2	SC-2 Small General	SC2	6,548	13.3%	6,686	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	608	1.2%	621	737	6,149	7,507	(550)	6,957	6,957	(139)
5	SC-7 Small IT	SC7	1,025	2.1%	1,046	591	9,079	10,717	(829)	9,888	9,888	(428)
6	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%	-	-	98	98	-	98	98	-
8	SC-12 -S DG NonRes	SC12	0	0.0%	0	-	868	868	-	868	868	(39)
9	SC-13 DG Res	SC13	(0)	(0.0%)	-	-	1	1	-	1	1	-
10	NYSEG	NYSEG	63	0.1%	64	-	286	350	(33)	317	317	(6)
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	-		-	-	19,456	19,456	-	19,456	19,456	-
13	Total		49,180		50,220	10,458	360,392	421,070	(32,315)	388,756	376,784	(14,353)
14						10,458			(32,315)			(14,353)
15	Levelized Increase from Exhibit							48,764			348,420	
16	Surcredit offset								56,123		28,364	
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												

* 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.

Niagara Mohawk Power Corporation (Gas)
Rate Plan
Years Ending March 31, 2019-2022
Revenue Allocation

Sch. 3

Line	Description	SC	Rate Year 2 Proposed				Rate Year 3 Proposed				Rate Year 4 Proposed						
			Delivery Revenue Year 2 at Year 1 Rates- From Sch. 4.2B	Increase for Year 2	Delivery Revenue Year 2	Tax Credit Surcredit*	Delivery Revenue Year 3 at Year 2 Rates- From Sch. 4.3B	Increase for Year 3	Delivery Revenue Year 3	Tax Credit Surcredit*	Delivery Revenue Year 4 at Year 3 Rates- From Sch. 4.4B	Increase for Year 4	Delivery Revenue Year 4	Tax Credit Surcredit*			
1	SC-1 Residential	SC1	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)
2	SC-2 Small General	SC2	65,676	820	66,496	(2,902)	(2,800)	66,730	1,697	68,427	(3,027)	(950)	68,427	-	68,427	(3,027)	(325)
3	SC-3 Large General	SC3	1,325	17	1,341	(52)	(60)	1,323	34	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)	(460)	11,190	285	11,475	(444)	(155)	11,475	-	11,475	(444)	(55)
6	SC-8 Standby Sales	SC8	20,010	250	20,260	(474)	(800)	20,453	520	20,973	(495)	(290)	20,973	-	20,973	(495)	(100)
7	SC-10 NGV	SC10	101	-	101	-	-	103	-	103	-	-	103	-	103	-	-
8	SC-12-S DG NonRes	SC12	884	-	884	(38)	-	887	-	887	(40)	-	887	-	887	(40)	-
9	SC-13 DG Res	SC13	1	-	1	-	-	1	-	1	-	-	1	-	1	-	-
10	NYSEG	NYSEG	324	4	328	(6)	(14)	331	8	339	(7)	-	339	-	339	(7)	-
11			392,770	4,891	397,660	(14,275)	(16,924)	400,270	10,156	410,426	(14,889)	(5,344)	410,425	-	410,425	(14,889)	(1,540)
12	Not Cost-based	NCB	19,456	(24)	19,432	-	-	19,432	119	19,551	-	-	19,551	-	19,551	-	-
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 * 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.

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 1

Sch. 4.1A

tblRates_LvlYr1

Line	Rate	SC	Current Rates										Current Rates Revenue			
			Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 2 dth	Total	Customer Charge	Demand Charge	Volumetric	Total with MFC			
1	SC1	SC1	\$ 20.35	\$ 0.38520	\$ 0.06385							238,792,314	140,051,805		98,740,510	249,607,833
2	SC2	SC2	\$ 24.27	\$ 0.29744	\$ 0.17302	\$ 0.05547						56,286,729	13,736,769		42,549,961	57,348,622
3	SC3	SC3	\$ 781.27	\$ 0.09679			821,418					1,184,606	389,556		795,051	1,278,493
4	SC5	SC5	\$ 522.38	\$ 0.06450								6,148,805	990,439		5,158,365	6,148,805
5	SC6	SC6										2,503,905	2,503,905		-	2,503,905
6	SC7	SC7	\$ 361.27	\$ 0.11896								9,079,229	3,050,256		6,028,973	9,079,229
7	SC8	SC8	\$ 924.04	\$ 0.06569	\$ 0.06182	\$ 0.05333						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
9																
10	SC12-S1	SC12-S	\$ 148.27	\$ 0.05074								73,969	42,748		31,221	73,969
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							794,128	84,076	406,195	303,857	794,252
16	SC12-L1W		\$ 1,401.27	\$ 0.05340	\$ 0.04578											
17	SC12-L2		\$ 1,401.27	\$ 0.00845		\$ 0.86534										
18	SC12-L2W		\$ 1,401.27	\$ 0.01071		\$ 0.86534										
19																
20	SC13	SC13	\$ 27.56	\$ 0.03914								1,129	992		137	1,163
21	SC14	SC14										13,088,293	13,088,293		-	13,088,293
22	NYSEG	NYSEG	\$ 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	Round										-			-	-
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

Sch. 4.1A

Line	Rate	SC	Proposed Increase in Delivery Revenue		Rate Year 1 Proposed Rates				Rate Year 1 Revenue at Proposed Rates				
			\$ Amount	% of Volumetric	Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Total	Delivery Increase	Difference to Target	Total with MFC
1	SC1	SC1	21,315,145	21.59%	\$ 20.35	\$ 0.46835	\$ 0.07763			260,105,778	21,313,463	1,681	270,020,786
2	SC2	SC2	3,283,200	7.72%	\$ 24.27	\$ 0.32039	\$ 0.18637	\$ 0.05975		59,569,824	3,283,094	106	60,543,302
3	SC3	SC3	26,925	3.39%	\$ 781.27	\$ 0.10007				1,211,549	26,943	(18)	1,297,619
4	SC5	SC5	808,612	15.68%	\$ 554.83	\$ 0.07384				6,957,286	808,482	130	6,957,286
5	SC6	SC6								2,503,905	-	-	2,503,905
6	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	\$ 0.07066	\$ 0.06096		18,308,849	2,090,427	32	18,308,849
8	SC10	SC10	-	0.00%	\$	\$ 0.60900				98,420	-	-	98,420
9													
10	SC12-S1	SC12-S	-	0.00%	\$ 148.27	\$ 0.05074				73,969	-	-	73,969
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	-	0.00%	\$ 1,401.27	\$ 0.04216	\$ 0.03615			794,128	-	-	794,242
16	SC12-L1W				\$ 1,401.27	\$ 0.05340	\$ 0.04578						
17	SC12-L2				\$ 1,401.27	\$ 0.00845		\$0.86534		-	-	-	
18	SC12-L2W				\$ 1,401.27	\$ 0.01071		\$0.86534					
19													
20	SC13	SC13	-	0.00%	\$ 27.56	\$ 0.03914				1,129	-	-	1,160
21	SC14	SC14								13,088,293	-	-	13,088,293
22	NYSEG	NYSEG	30,918	10.79%	\$ 897.50	\$ 0.03576		\$0.56476		317,045	30,876	42	317,045
23	SC9	SC9								3,864,072	-	-	3,864,072
24	Round	Round								12			
25			<u>28,363,737</u>	20.67%						<u>376,781,845</u>	<u>28,361,642</u>	<u>2,095</u>	<u>387,756,534</u>

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 1

Sch. 4.1A

tblRates_LvlYr1

		Tax Credit							
Line	Rate	SC	Block 2	Block 3	Block 4	Demand	Tax Credit Ratio	Actual Tax Credit	Target
1	SC1	SC1	\$ (0.04016)	\$ (0.00666)			43.1%	(10,295,406)	(10,294,743)
2	SC2	SC2	\$ (0.02040)	\$ (0.01187)	\$ (0.00380)		54.1%	(2,918,605)	(2,918,103)
3	SC3	SC3	\$ (0.00631)				44.3%	(51,831)	(51,843)
4	SC5	SC5	\$ (0.00173)				25.2%	(138,356)	(138,651)
5	SC6	SC6							
6	SC7	SC7	\$ (0.00844)				51.6%	(427,745)	(427,608)
7	SC8	SC8	\$ (0.00223)	\$ (0.00210)	\$ (0.00181)		32.1%	(476,569)	(477,040)
8	SC10	SC10	\$ -						
9									
10	SC12-S1	SC12-S	\$ (0.00584)				(11.5%)	(240)	(38,581)
11	SC12-S1W		\$ (0.00741)					(164)	
12	SC12-S2		\$ (0.00521)					(1,591)	
13	SC12-S2W		\$ (0.00660)					(1,602)	
14									
15	SC12-L1	SC12-L	\$ (0.00486)	\$ (0.00416)				(13,417)	
16	SC12-L1W		\$ (0.00615)	\$ (0.00527)				(11,698)	
17	SC12-L2		\$ (0.00097)			\$ (0.09967)		(4,538)	
18	SC12-L2W		\$ (0.00123)			\$ (0.09967)		(5,325)	
19									
20	SC13	SC13					-		
21	SC14	SC14							
22	NYSEG	NYSEG	\$ (0.00011)			\$ (0.00170)	19.3%	(6,437)	(6,430)
23	SC9	SC9							
24	Round	Round							
25								(14,353,524)	(14,353,000)

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Rate Year 1 Current and Proposed Rates

Line	Description	SC	Rate Year Deliveries Dth							Total	Demand Units
			Customers	Block 1	Block 2	Block 3	Block 4				
1	Residential Non-Heat	SC1	25,843	61,671	272,941	109,430	-	-	444,042		
2	Residential Non-Heat MB	SC1	2,954	7,788	34,454	10,722	-	-	52,964		
3	Residential Heat	SC1	456,607	1,541,081	16,877,299	25,038,230	-	-	43,456,609		
4	Residential Heat MB	SC1	88,108	304,345	3,385,672	5,387,361	-	-	9,077,378		
5	Residential Non-Heat	SC2	111	261	1,143	-	0	0	1,404		
6	Residential Non-Heat MB	SC2	13	32	217	-	0	0	250		
7	Residential Heat	SC2	1,494	4,381	128,466	62,021	5,952	200,820	200,820		
8	Residential Heat MB	SC2	307	963	46,667	52,637	2,247	102,514	102,514		
9	Commercial Non-Heat	SC2	1,271	3,673	113,836	148,754	67,960	334,222	334,222		
10	Commercial Non-Heat MB	SC2	723	2,253	105,921	179,768	12,530	300,472	300,472		
11	Commercial Heat	SC2	27,550	78,338	3,606,907	5,306,758	1,356,133	10,348,135	10,348,135		
12	Commercial Heat MB	SC2	15,550	47,955	2,645,103	6,374,563	991,039	10,058,659	10,058,659		
13	Industrial	SC2	77	225	16,361	101,044	28,893	146,523	146,523		
14	Industrial MB	SC2	72	228	15,466	82,503	32,682	130,879	130,879		
15	Commercial Non-Heat	SC3	-	-	-	-	-	-	-		
16	Commercial Heat	SC3	34	140,555	647,084	-	-	787,639	787,639		
17	Industrial	SC3	8	35,036	174,334	-	-	209,370	209,370		
18	Firm Transport	SC5	158	17,617	7,997,466	-	-	8,015,083	8,015,083		
19	Lg Vol IT	SC6	15	1,800	4,700,961	-	-	4,702,761	4,702,761		
20	Small FT	SC7	704	1,357,043	5,068,067	-	-	6,425,110	6,425,110		
21	Firm & Standby	SC8	60	6,980	5,781,809	8,716,238	9,093,598	23,598,624	23,598,624		
22	NGV	SC10	2	-	16,161	-	-	16,161	16,161		
23	DG <250	SC12-S	1	-	817	-	-	817	817		
24	DG <250	SC12-S	-	-	600	-	-	600	600		
25	DG <250 MB	SC12-S	1	-	3,291	-	-	3,291	3,291		
26	DG <250 MB	SC12-S	-	-	1,616	-	-	1,616	1,616		
27	DG 250-1000	SC12-S	-	-	-	-	-	-	-		
28	DG 250-1000	SC12-S	-	-	-	-	-	-	-		
29	DG 250-1000 MB	SC12-S	7	-	30,535	-	-	30,535	30,535		
30	DG 250-1000 MB	SC12-S	-	-	24,275	-	-	24,275	24,275		
31	DG 1M-2.5M	SC12-L	-	-	-	-	-	-	-		
32	DG 1M-2.5M	SC12-L	-	-	-	-	-	-	-		
33	DG 1M-2.5M MB	SC12-L	3	-	276,063	-	-	276,063	276,063		
34	DG 1M-2.5M MB	SC12-L	-	-	190,213	-	-	190,213	190,213		
35	DG >2.5M	SC12-L	-	-	-	-	-	-	-		
36	DG >2.5M	SC12-L	-	-	-	-	-	-	-		
37	DG >2.5M MB	SC12-L	2	-	467,832	-	-	467,832	467,832		
38	DG >2.5M MB	SC12-L	-	-	432,898	-	-	432,898	432,898		
39	DG Sales	SC13	3	11	351	-	-	362	362		
40	DG Sales MB	SC13	-	-	-	-	-	-	-		
41	Electric Generation	SC14	5	-	48,408,883	-	-	48,408,883	48,408,883		
42	NYSEG	NYSEG	1	-	287,923	-	-	287,923	287,923		
43	Special Contract	SC9	5	-	8,244,260	-	-	8,244,260	8,244,260		
44	Rounding	Round	-	-	64	-	-	64	64		
45			621,687	3,612,235	110,005,954	51,570,029	11,591,034	176,779,251	829,405		

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Rate Year 1 Current and Proposed Rates

Line	Description	SC	Current Rates					Current Rates Revenue			
			Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 1 (CC)	Blocks 2-4	Demand Revenue	Total
1	Residential Non-Heat	SC1	\$ 20.35	\$ 0.38520	\$ 0.06385	\$ -	-	6,310,959	1,121,242	-	7,432,201
2	Residential Non-Heat MB	SC1	\$ 20.35	\$ 0.38520	\$ 0.06385	\$ -	-	721,252	139,563	-	860,815
3	Residential Heat	SC1	\$ 20.35	\$ 0.38520	\$ 0.06385	\$ -	-	111,503,507	80,998,266	-	192,501,773
4	Residential Heat MB	SC2	\$ 20.35	\$ 0.38520	\$ 0.06385	\$ -	-	21,516,086	16,481,439	-	37,997,525
5	Residential Non-Heat	SC2	\$ 24.27	\$ 0.29744	\$ 0.17302	\$ 0.05547	-	32,386	3,400	-	35,787
6	Residential Non-Heat MB	SC2	\$ 24.27	\$ 0.29744	\$ 0.17302	\$ 0.05547	-	3,641	647	-	4,288
7	Residential Heat	SC2	\$ 24.27	\$ 0.29744	\$ 0.17302	\$ 0.05547	-	434,980	492,721	-	927,700
8	Residential Heat MB	SC2	\$ 24.27	\$ 0.29744	\$ 0.17302	\$ 0.05547	-	89,325	231,125	-	320,450
9	Commercial Non-Heat	SC2	\$ 24.27	\$ 0.29744	\$ 0.17302	\$ 0.05547	-	370,102	633,664	-	1,003,766
10	Commercial Non-Heat MB	SC2	\$ 24.27	\$ 0.29744	\$ 0.17302	\$ 0.05547	-	210,549	633,037	-	843,587
11	Commercial Heat	SC2	\$ 24.27	\$ 0.29744	\$ 0.17302	\$ 0.05547	-	8,023,677	20,662,382	-	28,686,059
12	Commercial Heat MB	SC2	\$ 24.27	\$ 0.29744	\$ 0.17302	\$ 0.05547	-	4,528,823	19,446,590	-	23,975,414
13	Industrial	SC2	\$ 24.27	\$ 0.29744	\$ 0.17302	\$ 0.05547	-	22,412	239,517	-	261,930
14	Industrial MB	SC2	\$ 24.27	\$ 0.29744	\$ 0.17302	\$ 0.05547	-	20,873	206,877	-	227,750
15	Commercial Non-Heat	SC3	\$ 781.27	\$ 0.09679	\$ -	\$ -	-	-	-	-	-
16	Commercial Non-Heat MB	SC3	\$ 781.27	\$ 0.09679	\$ -	\$ -	-	317,367	626,313	-	943,680
17	Industrial	SC3	\$ 781.27	\$ 0.09679	\$ -	\$ -	-	72,188	168,738	-	240,926
18	Firm Transport	SC5	\$ 522.38	\$ 0.06450	\$ -	\$ -	-	990,439	5,158,365	-	6,148,805
19	Lg Vol IT	SC6	\$ -	\$ -	\$ -	\$ -	-	2,503,905	-	-	2,503,905
20	Small FT	SC7	\$ 361.27	\$ 0.11896	\$ -	\$ -	-	3,050,256	6,028,973	-	9,079,229
21	Firm & Standby	SC8	\$ 924.04	\$ 0.06569	\$ 0.06182	\$ 0.05333	-	665,311	14,036,064	1,517,048	16,218,423
22	NGV	SC10	\$ -	\$ 0.60900	\$ -	\$ -	-	-	98,420	-	98,420
23	DG <250	SC12-S	\$ 148.27	\$ 0.05074	\$ -	\$ -	-	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	-	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	\$ 466.54	\$ 0.05728	\$ -	\$ -	-	-	13,904	-	13,904
31	DG 1M-2.5M	SC12-L	\$ 1,401.27	\$ 0.04216	\$ 0.03615	\$ -	-	-	-	-	-
32	DG 1M-2.5M	SC12-L	\$ 1,401.27	\$ 0.05340	\$ 0.04578	\$ -	-	-	-	-	-
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	-	101,574
35	DG >2.5M	SC12-L	\$ 1,401.27	\$ 0.00845	\$ -	\$ -	-	-	-	-	-
36	DG >2.5M	SC12-L	\$ 1,401.27	\$ 0.01071	\$ -	\$ -	-	-	-	-	-
37	DG >2.5M MB	SC12-L	\$ 1,401.27	\$ 0.00845	\$ -	\$ -	-	33,630	39,532	-	73,162
38	DG >2.5M MB	SC12-L	\$ 1,401.27	\$ 0.01071	\$ -	\$ -	-	-	46,363	406,195	452,558
39	DG Sales	SC13	\$ 27.56	\$ 0.03914	\$ -	\$ -	-	992	137	-	1,129
40	DG Sales MB	SC14	\$ -	\$ -	\$ -	\$ -	-	-	-	-	-
41	Electric Generation	SC14	\$ -	\$ -	\$ -	\$ -	-	13,088,293	183,506	-	13,088,293
42	NYSEG	NYSEG	\$ 810.07	\$ 0.03228	\$ -	\$ -	-	9,721	92,942	-	286,169
43	Special Contract	SC9	\$ -	\$ -	\$ -	\$ -	-	3,864,072	-	-	3,864,072
44	Rounding	Round						178,477,941	167,835,500	2,106,749	348,420,191

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Rate Year 1 Current and Proposed Rates

Line	Description	SC	Rate Year 1 Proposed Rates					Proposed Rates Revenue					
			Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 1 (CC)	Block 2	Block 3	Block 4	Demand Revenue	Total
1	Residential Non-Heat	SC1	\$ 20.35	\$ 0.46835	\$ 0.07763	\$ -	-	6,310,959	1,278,321	84,951	-	-	7,674,231
2	Residential Non-Heat MB	SC1	\$ 20.35	\$ 0.46835	\$ 0.07763	\$ -	-	721,252	161,365	8,324	-	-	890,941
3	Residential Heat	SC1	\$ 20.35	\$ 0.46835	\$ 0.07763	\$ -	-	111,503,507	79,044,830	19,437,178	-	-	209,985,515
4	Residential Heat MB	SC2	\$ 20.35	\$ 0.46835	\$ 0.07763	\$ -	-	21,516,086	15,856,795	4,182,209	-	-	41,555,090
5	Residential Non-Heat	SC2	\$ 24.27	\$ 0.32039	\$ 0.18637	\$ 0.05975	-	32,386	3,663	-	0	-	36,049
6	Residential Non-Heat MB	SC2	\$ 24.27	\$ 0.32039	\$ 0.18637	\$ 0.05975	-	3,641	697	-	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
8	Residential Heat MB	SC2	\$ 24.27	\$ 0.32039	\$ 0.18637	\$ 0.05975	-	89,325	149,515	98,100	1,342	-	338,283
9	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
11	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	\$ -	\$ -	-	-	-	-	-	-	-
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	-	-	-	246,645
18	Firm Transport	SC5	\$ 554.83	\$ 0.07384	\$ -	\$ -	-	1,051,958	5,905,329	-	-	-	6,957,286
19	Lg VolIT	SC6											
20	Small FT	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	\$ -	\$ 0.60900	\$ -	\$ -	-	-	98,420	-	-	-	98,420
23	DG <250	SC12-S	\$ 148.27	\$ 0.05074	\$ -	\$ -	-	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	-	-	-	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	\$ 466.54	\$ 0.05728	\$ -	\$ -	-	-	13,904	-	-	-	13,904
31	DG 1M-2.5M	SC12-L	\$ 1,401.27	\$ 0.04216	\$ 0.03615	\$ -	-	-	-	-	-	-	-
32	DG 1M-2.5M	SC12-L	\$ 1,401.27	\$ 0.05340	\$ 0.04578	\$ -	-	-	-	-	-	-	-
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	-	-	-	101,574
35	DG >2.5M	SC12-L	\$ 1,401.27	\$ 0.00845	\$ -	\$ -	-	-	-	-	-	-	-
36	DG >2.5M	SC12-L	\$ 1,401.27	\$ 0.01071	\$ -	\$ -	-	-	-	-	-	-	-
37	DG >2.5M MB	SC12-L	\$ 1,401.27	\$ 0.00845	\$ -	\$ -	-	33,630	39,532	-	-	-	73,162
38	DG >2.5M MB	SC12-L	\$ 1,401.27	\$ 0.01071	\$ -	\$ -	-	-	46,363	-	-	-	46,363
39	DG Sales	SC13	\$ 27.56	\$ 0.03914	\$ -	\$ -	-	992	137	-	-	-	1,129
40	DG Sales MB	SC13	\$ 27.56	\$ 0.03914	\$ -	\$ -	-	-	-	-	-	-	-
41	Electric Generation	SC14	\$ 897.50	\$ 0.03576	\$ -	\$ -	-	10,770	102,961	-	-	-	13,088,293
42	NYSEG	NYSEG						-	-	-	-	-	13,088,293
43	Special Contract	SC9						-	-	-	-	-	203,314
44	Rounding	Round						159,167,397	136,185,871	52,810,062	7,035,675	21,582,827	376,781,833

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 2

Sch. 4.2A

		Rate Year 1 Rates Before Surrender						Rate Year 2 Rates Revenue				
Line	Rate	SC	Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 2 dth	Target	Customer Charge	Demand Charge	Volumetric
1	SC1	SC1	\$ 20.35	\$ 0.56161	\$ 0.09309				289,547,602	141,211,772	-	148,335,829
2	SC2	SC2	\$ 24.27	\$ 0.35808	\$ 0.20830	\$ 0.06678			66,495,798	13,815,075	-	52,680,723
3	SC3	SC3	\$ 781.27	\$ 0.11432			828,292		1,341,394	377,952	-	963,442
4	SC5	SC5	\$ 554.83	\$ 0.08072					7,673,444	1,113,502	-	6,559,942
5	SC6	SC6							2,530,339	-	2,530,339	-
6	SC7	SC7	\$ 361.27	\$ 0.15126					11,028,473	3,064,722	-	7,963,751
7	SC8	SC8	\$ 1,039.54	\$ 0.08204	\$ 0.07721	\$ 0.06661		23,890,170	20,259,944	831,622	1,517,048	17,911,275
8	SC10	SC10		\$ 0.60900					100,907	-	-	100,907
9												
10	SC12-S1	SC12-S	\$ 148.27	\$ 0.05074					78,247	42,748	-	35,499
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				805,265	84,076	406,195	314,994
16	SC12-L1W		\$ 1,401.27	\$ 0.05340	\$ 0.04578							
17	SC12-L2		\$ 1,401.27	\$ 0.00845			\$ 0.86534					
18	SC12-L2W		\$ 1,401.27	\$ 0.01071			\$ 0.86534					
19												
20	SC13	SC13	\$ 27.56	\$ 0.03914					1,129	992	-	137
21	SC14	SC14							12,970,150	-	12,970,150	-
22	NYSEG	NYSEG	\$ 897.50	\$ 0.03632			\$ 0.57355		328,114	10,907	209,110	108,097
23	SC9	SC9							3,931,379	-	3,931,379	-
24	Round	Round										
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

Sch. 4.2A

<i>tblRates_LvlYr2</i>		Rate Year 2 Proposed Rates Before Surcredit							
Line	Rate	SC	Volumetric Year 2 at Year 1 Rates	Volumetric % Increase	Block 1 (CC)	Block 2	Block 3	Block 4	Demand
1	SC1	SC1	144,765,894	2.47%	\$ 20.35	\$ 0.57545	\$ 0.09539		
2	SC2	SC2	51,860,873	1.58%	\$ 24.27	\$ 0.36374	\$ 0.21159	\$ 0.06784	
3	SC3	SC3	946,903	1.75%	\$ 781.27	\$ 0.11632			
4	SC5	SC5	6,526,877	0.51%	\$ 587.29	\$ 0.08113			
5	SC6	SC6	2,530,339						
6	SC7	SC7	7,827,777	1.74%	\$ 361.27	\$ 0.15389			
7	SC8	SC8	19,261,683	0.94%	\$ 1,155.03	\$ 0.08281	\$ 0.07793	\$ 0.06724	
8	SC10	SC10	100,907	0.00%		\$ 0.60900			
9									
10	SC12-S1	SC12-S	35,499		\$ 148.27	\$ 0.05074			0.000
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	721,189		\$ 1,401.27	\$ 0.04216	\$ 0.03615		
16	SC12-L1W				\$ 1,401.27	\$ 0.05340	\$ 0.04578		
17	SC12-L2				\$ 1,401.27	\$ 0.00845			\$ 0.86534
18	SC12-L2W				\$ 1,401.27	\$ 0.01071			\$ 0.86534
19									
20	SC13	SC13	137	0.00%	\$ 27.56	\$ 0.03914			
21	SC14	SC14	12,970,150						
22	NYSEG	NYSEG	313,299	1.27%	\$ 908.94	\$ 0.03678			\$ 0.58086
23	SC9	SC9	3,931,379						
24	Round	Round							
25			<u>251,792,907</u>	(6.68%)					

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 2

Sch. 4.2A

tblRates_LvlYr2

Line	Rate	SC	Billing Units		Rate Year 2 Revenue at Proposed Rates				Surcredit				Surcredit Ratio
			Block 2	Block 3	Total	CC, Blocks 3-4, Demand	Difference to Target	Block 2	Block 3	Block 4	Demand		
1	SC1	SC1	20,699,150		289,547,016	29,221,985	(586)	\$ (0.04846)	\$ (0.00806)				52.3%
2	SC2	SC2	6,742,506		66,495,490	28,155,222	(308)	\$ (0.01939)	\$ (0.01123)	\$ (0.00356)			51.9%
3	SC3	SC3	828,292		1,341,421	-	27	\$ (0.00724)					51.3%
4	SC5	SC5	8,085,824		7,673,531	-	87	\$ (0.00359)					52.7%
5	SC6	SC6	4,752,755		2,530,339	2,530,339	-						
6	SC7	SC7	5,175,047		11,028,602	-	130	\$ (0.00889)					55.5%
7	SC8	SC8	5,795,967		20,259,884	14,628,622	(60)	\$ (0.00373)	\$ (0.00347)	\$ (0.00299)			53.8%
8	SC10	SC10	16,569		100,907	-	-						
9													
10	SC12-S1	SC12-S	69,298		78,247	42,748	-						
11	SC12-S1W		-										
12	SC12-S2		-										
13	SC12-S2W		-										
14			-										
15	SC12-L1	SC12-L	1,390,289		805,265	490,271	-						
16	SC12-L1W		-										
17	SC12-L2		-										
18	SC12-L2W		-										
19			-										
20	SC13	SC13	350		1,129	992	-						
21	SC14	SC14	48,663,267		12,970,150	12,970,150	-						
22	NYSEG	NYSEG	294,111		328,191	220,017	77	\$ (0.00023)			\$ (0.00370)		42.1%
23	SC9	SC9	8,267,572		3,931,379	3,931,379	-						
24	Round	Round	64		12	-							
25			110,781,061		417,091,563	92,191,725	(634)						

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 2

Sch. 4.2A

tblRates_LvlYr2

		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)			98.9%	(10,238,428)	(10,238,797)
2	SC2	SC2	\$ (0.02003)	\$ (0.01166)	\$ (0.00373)		98.2%	(2,901,846)	(2,902,245)
3	SC3	SC3	\$ (0.00628)				99.5%	(52,017)	(51,562)
4	SC5	SC5	\$ (0.00172)				99.5%	(139,076)	(137,898)
5	SC6	SC6							
6	SC7	SC7	\$ (0.00822)				97.4%	(425,389)	(425,284)
7	SC8	SC8	\$ (0.00219)	\$ (0.00207)	\$ (0.00178)		98.4%	(474,645)	(474,448)
8	SC10	SC10							
9									
10	SC12-S1	SC12-S	\$ (0.00581)				99.5%	(268)	(38,372)
11	SC12-S1W		\$ (0.00737)					(191)	
12	SC12-S2		\$ (0.00518)					(1,750)	
13	SC12-S2W		\$ (0.00656)					(1,858)	
14									
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

Sch. 4.2B

Line	Description	SC	Rate Year 2 Deliveries Dth							Total	Demand Units
			Customers	Block 1	Block 2	Block 3	Block 4	Total			
1	Residential Non-Heat	SC1	26,243	62,559	275,650	110,162	-	-	448,371		
2	Residential Non-Heat MB	SC1	2,510	6,613	29,240	9,104	-	-	44,957		
3	Residential Heat	SC1	466,316	1,573,924	17,198,991	25,434,946	-	-	44,207,861		
4	Residential Heat MB	SC1	83,194	287,365	3,195,269	5,080,011	-	-	8,562,645		
5	Residential Non-Heat	SC2	118	277	1,187	-	0	-	1,464		
6	Residential Non-Heat MB	SC2	11	28	187	-	0	-	215		
7	Residential Heat	SC2	1,573	4,611	134,833	64,848	6,182	-	210,474		
8	Residential Heat MB	SC2	308	968	46,825	52,673	2,220	-	102,686		
9	Commercial Non-Heat	SC2	1,226	3,551	110,558	145,586	67,020	-	326,715		
10	Commercial Non-Heat MB	SC2	730	2,276	107,497	184,299	13,063	-	307,134		
11	Commercial Heat	SC2	27,769	79,064	3,653,725	5,413,411	1,390,898	-	10,537,098		
12	Commercial Heat MB	SC2	15,550	47,994	2,655,301	6,437,537	1,016,005	-	10,156,837		
13	Industrial	SC2	78	230	16,779	104,231	30,343	-	151,583		
14	Industrial MB	SC2	72	230	15,614	83,458	33,238	-	132,540		
15	Commercial Non-Heat	SC3	-	-	-	-	-	-	-		
16	Commercial Heat	SC3	32	134,545	646,846	-	-	-	781,391		
17	Industrial	SC3	8	37,424	181,446	-	-	-	218,870		
18	Firm Transport	SC5	158	17,619	8,085,824	-	-	-	8,103,443		
19	Lg Vol IT	SC6	15	1,800	4,752,755	-	-	-	4,754,555		
20	Small FT	SC7	707	1,370,031	5,175,047	-	-	-	6,545,078		
21	Firm & Standby	SC8	60	6,980	5,795,967	8,840,338	9,253,865	-	23,897,150		
22	NGV	SC10	2	-	16,569	-	-	-	16,569		
23	DG <250	SC12-S	1	-	907	-	-	-	907		
24	DG <250	SC12-S	-	-	700	-	-	-	700		
25	DG <250 MB	SC12-S	1	-	3,700	-	-	-	3,700		
26	DG <250 MB	SC12-S	-	-	1,885	-	-	-	1,885		
27	DG 250-1000	SC12-S	-	-	-	-	-	-	-		
28	DG 250-1000	SC12-S	-	-	-	-	-	-	-		
29	DG 250-1000 MB	SC12-S	7	-	33,787	-	-	-	33,787		
30	DG 250-1000 MB	SC12-S	-	-	28,318	-	-	-	28,318		
31	DG 1M-2.5M	SC12-L	-	-	-	-	-	-	-		
32	DG 1M-2.5M	SC12-L	-	-	-	-	-	-	-		
33	DG 1M-2.5M MB	SC12-L	3	-	287,598	-	-	-	287,598		
34	DG 1M-2.5M MB	SC12-L	-	-	201,962	-	-	-	201,962		
35	DG >2.5M	SC12-L	-	-	-	-	-	-	-		
36	DG >2.5M	SC12-L	-	-	-	-	-	-	-		
37	DG >2.5M MB	SC12-L	2	-	467,832	-	-	-	467,832		
38	DG >2.5M MB	SC12-L	-	-	432,898	-	-	-	432,898		
39	DG Sales	SC13	3	11	350	-	-	-	361	469,405	
40	DG Sales MB	SC13	-	-	-	-	-	-	-		
41	Electric Generation	SC14	5	-	48,663,267	-	-	-	48,663,267		
42	NYSEG	NYSEG	1	-	294,111	-	-	-	294,111	360,000	
43	Special Contract	SC9	5	-	8,267,572	-	-	-	8,267,572		
44	Rounding	Round	-	-	64	-	-	-	64		
45			626,708	3,638,099	110,781,061	51,960,604	11,812,833	-	178,192,597	829,405	

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Rate Year 2 Revenue at Year 1 Rates

Line	Description	SC	Rate Year 1 Proposed Rates Before Surcredit				Rate Year 2 Revenue at Year 1 Rates				Total	Volumetric	
			Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 1 (CC)	Block 2	Block 3			Block 4
1	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	\$ 0.56161	\$ 0.09309		612,892	164,212	8,475	-	-	785,579	172,687
3	Residential Heat	SC1	\$ 20.35	\$ 0.56161	\$ 0.09309		113,874,382	96,591,252	23,677,392	-	-	234,143,025	120,268,643
4	Residential Heat MB	SC1	\$ 20.35	\$ 0.56161	\$ 0.09309		20,315,987	17,944,952	4,728,982	-	-	42,989,920	22,673,934
5	Residential Non-Heat	SC2	\$ 24.27	\$ 0.35808	\$ 0.20830	\$ 0.06678	34,438	4,249	-	0	-	38,687	4,249
6	Residential Non-Heat MB	SC2	\$ 24.27	\$ 0.35808	\$ 0.20830	\$ 0.06678	3,199	670	-	0	-	3,869	670
7	Residential Heat	SC2	\$ 24.27	\$ 0.35808	\$ 0.20830	\$ 0.06678	457,989	482,811	135,079	4,128	-	1,080,008	622,018
8	Residential Heat MB	SC2	\$ 24.27	\$ 0.35808	\$ 0.20830	\$ 0.06678	89,739	167,672	109,718	1,482	-	368,611	278,872
9	Commercial Non-Heat	SC2	\$ 24.27	\$ 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	\$ 0.35808	\$ 0.20830	\$ 0.06678	212,569	384,925	383,894	8,723	-	990,112	777,543
11	Commercial Heat	SC2	\$ 24.27	\$ 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	\$ 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	\$ 0.35808	\$ 0.20830	\$ 0.06678	22,842	60,083	217,114	20,263	-	320,302	297,460
14	Industrial MB	SC2	\$ 24.27	\$ 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	\$ 0.11432			-	-	-	-	-	-	-
16	Commercial Heat	SC3	\$ 781.27	\$ 0.11432			300,525	739,474	-	-	-	1,039,999	739,474
17	Industrial	SC3	\$ 781.27	\$ 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 Volt	SC6					-	-	-	-	-	-	-
20	Small FT	SC7	\$ 361.27	\$ 0.15126			3,064,722	7,827,777	-	-	-	10,892,499	7,827,777
21	Firm & Standby	SC8	\$ 1,039.54	\$ 0.08204	\$ 0.07721	\$ 0.06661	748,469	4,755,011	6,825,625	6,163,999	-	20,010,152	19,261,683
22	NGV	SC10	\$ -	\$ 0.60900			-	100,907	-	-	-	100,907	100,907
23	DG <250	SC12-S	\$ 148.27	\$ 0.05074			1,779	460	-	-	-	2,240	460
24	DG <250	SC12-S	\$ 148.27	\$ 0.06429			-	450	-	-	-	450	450
25	DG <250 MB	SC12-S	\$ 148.27	\$ 0.05074			1,779	1,877	-	-	-	3,657	1,877
26	DG <250 MB	SC12-S	\$ 148.27	\$ 0.06429			-	1,212	-	-	-	1,212	1,212
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	15,279	-	-	-	54,468	15,279
30	DG 250-1000 MB	SC12-S	\$ 466.54	\$ 0.05728			-	16,221	-	-	-	16,221	16,221
31	DG 1M-2.5M	SC12-L	\$ 1,401.27	\$ 0.04216	\$ 0.03615		-	-	-	-	-	-	-
32	DG 1M-2.5M	SC12-L	\$ 1,401.27	\$ 0.05340	\$ 0.04578		-	-	-	-	-	-	-
33	DG 1M-2.5M MB	SC12-L	\$ 1,401.27	\$ 0.04216	\$ 0.03615		50,446	121,251	-	-	-	171,697	121,251
34	DG 1M-2.5M MB	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			-	-	-	-	-	-	-
36	DG >2.5M	SC12-L	\$ 1,401.27	\$ 0.01071			-	-	-	-	-	-	-
37	DG >2.5M MB	SC12-L	\$ 1,401.27	\$ 0.00845			33,630	39,532	-	-	-	73,162	39,532
38	DG >2.5M MB	SC12-L	\$ 1,401.27	\$ 0.01071			-	46,363	-	-	406,195	452,558	452,558
39	DG Sales	SC13	\$ 27.56	\$ 0.03914			992	137	-	-	-	1,129	137
40	DG Sales MB	SC13	\$ 27.56	\$ 0.03914			-	-	-	-	-	-	-
41	Electric Generation	SC14					10,770	106,821	-	-	-	12,970,150	12,970,150
42	NYSEG	NYSEG	\$ 897.50	\$ 0.03632			-	-	-	-	-	206,478	313,299
43	Special Contract	SC9					-	-	-	-	-	3,931,379	3,931,379
44	Rounding	Round					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	Level Year 2 Proposed Rates				Level Year 2 Proposed Rates Revenue				
			Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 1 (CC)	Block 2	Blocks 3-4	Demand Revenue
1	Residential Non-Heat	SC1	\$ 20.35	\$ 0.57545	\$ 0.09539	\$ -	\$ -	6,408,512	1,586,230	105,083	8,099,825
2	Residential Non-Heat MB	SC1	\$ 20.35	\$ 0.57545	\$ 0.09539	\$ -	\$ -	612,892	168,259	8,685	789,835
3	Residential Heat	SC1	\$ 20.35	\$ 0.57545	\$ 0.09539	\$ -	\$ -	113,874,382	98,971,592	24,262,395	237,108,369
4	Residential Heat MB	SC1	\$ 20.35	\$ 0.57545	\$ 0.09539	\$ -	\$ -	20,315,987	18,387,177	4,845,822	43,548,986
5	Residential Non-Heat	SC2	\$ 24.27	\$ 0.36374	\$ 0.21159	\$ 0.06784	\$ -	34,438	4,316	0	38,755
6	Residential Non-Heat MB	SC2	\$ 24.27	\$ 0.36374	\$ 0.21159	\$ 0.06784	\$ -	3,199	681	0	3,880
7	Residential Heat	SC2	\$ 24.27	\$ 0.36374	\$ 0.21159	\$ 0.06784	\$ -	457,989	490,443	141,406	1,089,838
8	Residential Heat MB	SC2	\$ 24.27	\$ 0.36374	\$ 0.21159	\$ 0.06784	\$ -	89,739	170,322	112,957	373,018
9	Commercial Non-Heat	SC2	\$ 24.27	\$ 0.36374	\$ 0.21159	\$ 0.06784	\$ -	212,569	402,144	353,512	1,112,664
10	Commercial Non-Heat MB	SC2	\$ 24.27	\$ 0.36374	\$ 0.21159	\$ 0.06784	\$ -	8,087,358	391,010	398,819	1,002,398
11	Commercial Heat	SC2	\$ 24.27	\$ 0.36374	\$ 0.21159	\$ 0.06784	\$ -	4,528,895	13,290,059	12,397,821	33,775,239
12	Commercial Heat MB	SC2	\$ 24.27	\$ 0.36374	\$ 0.21159	\$ 0.06784	\$ -	22,842	9,658,390	14,310,442	28,497,728
13	Industrial	SC2	\$ 24.27	\$ 0.36374	\$ 0.21159	\$ 0.06784	\$ -	21,036	61,033	241,128	325,003
14	Industrial MB	SC2	\$ 781.27	\$ 0.11632	\$ -	\$ -	\$ -	56,795	199,137	-	276,969
15	Commercial Non-Heat	SC3	\$ 781.27	\$ 0.11632	\$ -	\$ -	\$ -	300,525	752,411	-	1,052,936
16	Commercial Heat	SC3	\$ 781.27	\$ 0.11632	\$ -	\$ -	\$ -	77,427	211,058	-	288,484
17	Industrial	SC3	\$ 587.29	\$ 0.08113	\$ -	\$ -	\$ -	1,113,502	6,560,029	-	7,673,531
18	Firm Transport	SC5	\$ 361.27	\$ 0.15389	\$ -	\$ -	\$ -	-	-	-	2,530,339
19	Lg Volt	SC6	\$ 1,155.03	\$ 0.08281	\$ 0.07793	\$ 0.06724	\$ -	3,064,722	7,963,880	-	11,028,602
20	Small FT	SC7	\$ -	\$ 0.60900	\$ -	\$ -	\$ -	831,622	4,799,640	13,111,574	20,259,884
21	Firm & Standby	SC8	\$ 148.27	\$ 0.05074	\$ -	\$ -	\$ -	100,907	100,907	-	100,907
22	NGV	SC10	\$ 148.27	\$ 0.06429	\$ -	\$ -	\$ -	1,779	460	-	2,240
23	DG <250	SC12-S	\$ 148.27	\$ 0.05074	\$ -	\$ -	\$ -	-	450	-	450
24	DG <250 MB	SC12-S	\$ 148.27	\$ 0.06429	\$ -	\$ -	\$ -	-	-	-	-
25	DG <250 MB	SC12-S	\$ 148.27	\$ 0.05074	\$ -	\$ -	\$ -	1,779	1,877	-	3,657
26	DG <250 MB	SC12-S	\$ 148.27	\$ 0.06429	\$ -	\$ -	\$ -	-	1,212	-	1,212
27	DG 250-1000	SC12-S	\$ 466.54	\$ 0.04522	\$ -	\$ -	\$ -	-	-	-	-
28	DG 250-1000	SC12-S	\$ 466.54	\$ 0.05728	\$ -	\$ -	\$ -	39,189	15,279	-	54,468
29	DG 250-1000 MB	SC12-S	\$ 466.54	\$ 0.04522	\$ -	\$ -	\$ -	-	16,221	-	16,221
30	DG 250-1000 MB	SC12-S	\$ 466.54	\$ 0.05728	\$ -	\$ -	\$ -	-	-	-	-
31	DG 1M-2.5M	SC12-L	\$ 1,401.27	\$ 0.04216	\$ 0.03615	\$ -	\$ -	-	-	-	-
32	DG 1M-2.5M	SC12-L	\$ 1,401.27	\$ 0.05340	\$ 0.04578	\$ -	\$ -	-	-	-	-
33	DG 1M-2.5M MB	SC12-L	\$ 1,401.27	\$ 0.04216	\$ 0.03615	\$ -	\$ -	50,446	121,251	-	171,697
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	\$ -	\$ -	\$ -	-	-	-	-
36	DG >2.5M	SC12-L	\$ 1,401.27	\$ 0.01071	\$ -	\$ -	\$ -	-	-	-	-
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	-	46,363	-	452,558
39	DG Sales	SC13	\$ 27.56	\$ 0.03914	\$ -	\$ -	\$ -	992	137	-	1,129
40	DG Sales MB	SC13	\$ 27.56	\$ 0.03914	\$ -	\$ -	\$ -	-	-	-	-
41	Electric Generation	SC14	\$ 908.94	\$ 0.03678	\$ -	\$ -	\$ 0.58086	10,907	108,174	-	12,970,150
42	NYSEG	NYSEG	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-	209,110
43	Special Contract	SC9	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-	3,931,379
44	Rounding	Round	\$ -	\$ -	\$ -	\$ -	\$ -	-	-	-	-
45								160,553,368	164,485,180	70,488,782	417,091,551

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 3

Sch. 4.3A

Line	Rate	SC	Rate Year 2 Rates Before Surrender				Rate Year 3 Rates Revenue				
			Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 2 dth	Target	Customer Charge	Demand Charge
1	SC1	SC1	\$ 20.35	\$ 0.57545	\$ 0.09539			298,925,016	142,278,511	-	156,646,505
2	SC2	SC2	\$ 24.27	\$ 0.36374	\$ 0.21159	\$ 0.06784		68,426,903	13,845,612	-	54,581,291
3	SC3	SC3	\$ 781.27	\$ 0.11632			824,005	1,357,091	364,947	-	992,144
4	SC5	SC5	\$ 587.29	\$ 0.08113				7,937,598	1,175,027	-	6,762,571
5	SC6	SC6						2,562,020	-	2,562,020	-
6	SC7	SC7	\$ 361.27	\$ 0.15389				11,475,063	3,100,642	-	8,374,421
7	SC8	SC8	\$ 1,155.03	\$ 0.08281	\$ 0.07793	\$ 0.06724	24,157,667	20,973,486	914,782	1,517,048	18,541,656
8	SC10	SC10		\$ 0.60900				103,395	-	-	103,395
9											
10	SC12-S1	SC12-S	\$ 148.27	\$ 0.05074				79,172	42,748	-	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		\$ 1,401.27	\$ 0.01071		\$ 0.86534					
19											
20	SC13	SC13	\$ 27.56	\$ 0.03914				1,129	992	-	137
21	SC14	SC14						12,980,863	-	12,980,863	-
22	NYSEG	NYSEG	\$ 908.94	\$ 0.03678		\$ 0.58086		339,053	11,184	214,405	113,464
23	SC9	SC9						4,007,632	-	4,007,632	-
24	Round	Round									
25								429,976,305	161,818,520	21,688,163	246,469,622

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 3

Sch. 4.3A

<i>tblRates_LvlYr3</i>		Rate Year 3 Proposed Rates Before Surcredit							
Line	Rate	SC	Volumetric Year 3 at Year 2 Rates	Volumetric % Increase	Block 1 (CC)	Block 2	Block 3	Block 4	Demand
1	SC1	SC1	149,231,988	4.97%	\$ 20.35	\$ 0.60404	\$ 0.10013		
2	SC2	SC2	52,884,035	3.21%	\$ 24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002	
3	SC3	SC3	958,483	3.51%	\$ 781.27	\$ 0.12041			
4	SC5	SC5	6,627,212	2.04%	\$ 619.74	\$ 0.08279			
5	SC6	SC6	2,562,020						
6	SC7	SC7	8,089,794	3.52%	\$ 361.27	\$ 0.15930			
7	SC8	SC8	19,621,639	2.41%	\$ 1,270.53	\$ 0.08481	\$ 0.07981	\$ 0.06886	
8	SC10	SC10	103,395	0.00%		\$ 0.60900			
9									0.000
10	SC12-S1	SC12-S	36,425		\$ 148.27	\$ 0.05074			
11	SC12-S1W				\$ 148.27	\$ 0.06429			
12	SC12-S2				\$ 466.54	\$ 0.04522			
13	SC12-S2W				\$ 466.54	\$ 0.05728			
14									0.000
15	SC12-L1	SC12-L	723,807		\$ 1,401.27	\$ 0.04216	\$ 0.03615		
16	SC12-L1W				\$ 1,401.27	\$ 0.05340	\$ 0.04578		
17	SC12-L2				\$ 1,401.27	\$ 0.00845		\$ 0.86534	
18	SC12-L2W				\$ 1,401.27	\$ 0.01071		\$ 0.86534	
19									
20	SC13	SC13	137	0.00%	\$ 27.56	\$ 0.03914			
21	SC14	SC14	12,980,863						
22	NYSEG	NYSEG	319,735	2.53%	\$ 931.96	\$ 0.03771		\$ 0.59557	
23	SC9	SC9	4,007,632						
24	Round	Round							
25			258,147,166	(4.52%)					

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 3

Sch. 4.3A

tblRates_LvlYr3

Line	Rate	SC	Billing Units		Rate Year 3 Revenue at Proposed Rates				Surcredit				Surcredit Ratio
			Block 2	Block 3	Total	CC, Blocks 3-4, Demand	Difference to Target	Block 2	Block 3	Block 4	Demand		
1	SC1	SC1	20,823,110		298,925,003	30,866,577	(14)	\$ (0.01473)	\$ (0.00245)				30.4%
2	SC2	SC2	6,769,877		68,426,619	29,166,212	(284)	\$ (0.00658)	\$ (0.00381)	\$ (0.00121)			33.9%
3	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	-						
6	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)	\$ (0.00126)	\$ (0.00108)			36.3%
8	SC10	SC10	16,978		103,395	-	-						
9													
10	SC12-S1	SC12-S	71,322		79,172	42,748	-						
11	SC12-S1W		-		-	-	-						
12	SC12-S2		-		-	-	-						
13	SC12-S2W		-		-	-	-						
14													
15	SC12-L1	SC12-L	1,396,499		807,884	490,271	-						
16	SC12-L1W		-		-	-	-						
17	SC12-L2		-		-	-	-						
18	SC12-L2W		-		-	-	-						
19													
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	(41)	\$ -	\$ -	\$ -			-
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	(660)						

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 3

Sch. 4.3A

tblRates_LvlYr3

Tax Credit									
Line	Rate	SC	Block 2	Block 3	Block 4	Demand	Tax Credit Ratio	Actual Tax Credit	Target
1	SC1	SC1	\$ (0.04143)	\$ (0.00687)			104.3%	(10,680,229)	(10,679,191)
2	SC2	SC2	\$ (0.02090)	\$ (0.01216)	\$ (0.00389)		104.3%	(3,027,031)	(3,027,077)
3	SC3	SC3	\$ (0.00655)				104.3%	(54,253)	(53,779)
4	SC5	SC5	\$ (0.00179)				104.3%	(144,736)	(143,829)
5	SC6	SC6							
6	SC7	SC7	\$ (0.00857)				104.3%	(443,502)	(443,577)
7	SC8	SC8	\$ (0.00228)	\$ (0.00216)	\$ (0.00185)		104.2%	(494,296)	(494,855)
8	SC10	SC10	\$ -						
9									
10	SC12-S1	SC12-S	\$ (0.00606)				104.3%	(279)	(40,022)
11	SC12-S1W		\$ (0.00769)					(199)	
12	SC12-S2		\$ (0.00540)					(1,825)	
13	SC12-S2W		\$ (0.00684)					(1,937)	
14									
15	SC12-L1	SC12-L	\$ (0.00504)	\$ (0.00432)				(14,495)	
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)	104.3%	(6,660)	(6,670)
23	SC9	SC9							
24	Round	Round							
25								(14,892,501)	(14,889,000)

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Level Year 3 Revenue at Year 2 Rates

Sch. 4.3B

Line	Description	SC	Level Year 3 Deliveries Dth							Demand Units
			Customers	Block 1	Block 2	Block 3	Block 4	Total		
1	Residential Non-Heat	SC1	26,095	62,160	273,392	109,310	-	-	444,862	
2	Residential Non-Heat MB	SC1	2,067	5,447	24,029	7,480	-	-	36,956	
3	Residential Heat	SC1	477,648	1,612,273	17,576,999	26,015,639	-	-	45,204,911	
4	Residential Heat MB	SC1	76,821	265,345	2,948,689	4,694,074	-	-	7,908,109	
5	Residential Non-Heat	SC2	115	270	1,174	-	0	-	1,443	
6	Residential Non-Heat MB	SC2	13	34	210	-	0	-	243	
7	Residential Heat	SC2	1,574	4,614	134,860	64,821	6,225	-	210,520	
8	Residential Heat MB	SC2	306	960	46,434	52,195	2,214	-	101,802	
9	Commercial Non-Heat	SC2	1,177	3,415	106,567	140,575	64,965	-	315,522	
10	Commercial Non-Heat MB	SC2	738	2,301	108,872	186,845	13,158	-	311,176	
11	Commercial Heat	SC2	27,932	79,617	3,682,090	5,454,399	1,403,752	-	10,619,858	
12	Commercial Heat MB	SC2	15,533	47,971	2,656,705	6,442,586	1,013,191	-	10,160,452	
13	Industrial	SC2	80	235	17,283	107,299	31,496	-	156,314	
14	Industrial MB	SC2	73	231	15,681	83,607	33,013	-	132,532	
15	Commercial Non-Heat	SC3	-	-	-	-	-	-	-	
16	Commercial Heat	SC3	30	127,062	636,462	-	-	-	763,524	
17	Industrial	SC3	9	40,366	187,544	-	-	-	227,909	
18	Firm Transport	SC5	158	17,621	8,168,634	-	-	-	8,186,255	
19	Lg Vol IT	SC6	15	1,800	4,814,828	-	-	-	4,816,628	
20	Small FT	SC7	715	1,391,467	5,256,868	-	-	-	6,648,336	
21	Firm & Standby	SC8	60	6,980	5,807,899	8,949,358	9,400,410	-	24,164,647	
22	NGV	SC10	2	-	16,978	-	-	-	16,978	
23	DG <250	SC12-S	1	-	954	-	-	-	954	
24	DG <250	SC12-S	-	-	700	-	-	-	700	
25	DG <250 MB	SC12-S	1	-	3,840	-	-	-	3,840	
26	DG <250 MB	SC12-S	-	-	1,885	-	-	-	1,885	
27	DG 250-1000	SC12-S	-	-	-	-	-	-	-	
28	DG 250-1000	SC12-S	-	-	-	-	-	-	-	
29	DG 250-1000 MB	SC12-S	7	-	35,625	-	-	-	35,625	
30	DG 250-1000 MB	SC12-S	-	-	28,318	-	-	-	28,318	
31	DG 1M-2.5M	SC12-L	-	-	-	-	-	-	-	
32	DG 1M-2.5M	SC12-L	-	-	-	-	-	-	-	
33	DG 1M-2.5M MB	SC12-L	3	-	293,808	-	-	-	293,808	
34	DG 1M-2.5M MB	SC12-L	-	-	201,962	-	-	-	201,962	
35	DG >2.5M	SC12-L	-	-	-	-	-	-	-	
36	DG >2.5M	SC12-L	-	-	-	-	-	-	-	
37	DG >2.5M MB	SC12-L	2	-	467,832	-	-	-	467,832	
38	DG >2.5M MB	SC12-L	-	-	432,898	-	-	-	432,898	
39	DG Sales	SC13	3	11	350	-	-	-	360	
40	DG Sales MB	SC13	-	-	-	-	-	-	-	
41	Electric Generation	SC14	5	-	48,852,114	-	-	-	48,852,114	
42	NYSEG	NYSEG	1	-	300,777	-	-	-	300,777	
43	Special Contract	SC9	5	-	8,278,305	-	-	-	8,278,305	
44	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 Revenue at Year 2 Rates

Line	Description	SC	Level Year 2 Proposed Rates Before Surcredit				Level Year 3 Revenue at Year 2 Rates				Total	Volumetric	
			Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 1 (CC)	Block 2	Block 3			Block 4
1	Residential Non-Heat	SC1	\$ 20.35	\$ 0.57545	\$ 0.09539		6,372,395	1,573,236	104,270	-	-	8,049,901	1,677,507
2	Residential Non-Heat MB	SC1	\$ 20.35	\$ 0.57545	\$ 0.09539		504,647	138,276	7,135	-	-	650,057	145,410
3	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	\$ 0.09539		18,759,727	16,968,233	4,477,678	-	-	40,205,637	21,444,591
5	Residential Non-Heat	SC2	\$ 24.27	\$ 0.36374	\$ 0.21159	\$ 0.06784	33,461	4,270	-	0	-	37,730	4,270
6	Residential Non-Heat MB	SC2	\$ 24.27	\$ 0.36374	\$ 0.21159	\$ 0.06784	3,812	764	-	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
8	Residential Heat MB	SC2	\$ 24.27	\$ 0.36374	\$ 0.21159	\$ 0.06784	89,046	168,899	110,438	1,502	-	369,885	280,839
9	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
11	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			-	-	-	-	-	-	-
16	Commercial Non-Heat MB	SC3	\$ 781.27	\$ 0.11632			280,633	740,332	-	-	-	1,020,965	740,332
17	Industrial	SC3	\$ 781.27	\$ 0.11632			84,315	218,151	-	-	-	302,465	218,151
18	Firm Transport	SC5	\$ 587.29	\$ 0.08113			1,113,502	6,627,212	-	-	-	7,740,714	6,627,212
19	Lg VolIT	SC6					-	-	-	-	-	-	-
20	Small FT	SC7	\$ 361.27	\$ 0.15389			3,100,642	8,089,794	-	-	-	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	-	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 MB	SC12-S	\$ 148.27	\$ 0.06429			-	450	-	-	-	450	450
25	DG <250 MB	SC12-S	\$ 148.27	\$ 0.05074			1,779	1,948	-	-	-	3,727	1,948
26	DG <250 MB	SC12-S	\$ 148.27	\$ 0.06429			-	1,212	-	-	-	1,212	1,212
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	16,110	-	-	-	55,299	16,110
30	DG 250-1000 MB	SC12-S	\$ 466.54	\$ 0.05728			-	16,221	-	-	-	16,221	16,221
31	DG 1M-2.5M	SC12-L	\$ 1,401.27	\$ 0.04216	\$ 0.03615		-	-	-	-	-	-	-
32	DG 1M-2.5M	SC12-L	\$ 1,401.27	\$ 0.05340	\$ 0.04578		-	-	-	-	-	-	-
33	DG 1M-2.5M MB	SC12-L	\$ 1,401.27	\$ 0.04216	\$ 0.03615		50,446	123,869	-	-	-	174,315	123,869
34	DG 1M-2.5M MB	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	-	-	-	-	-	-	-
36	DG >2.5M	SC12-L	\$ 1,401.27	\$ 0.01071		\$ 0.86534	-	-	-	-	-	-	-
37	DG >2.5M MB	SC12-L	\$ 1,401.27	\$ 0.00845		\$ 0.86534	33,630	39,532	-	-	-	73,162	39,532
38	DG >2.5M MB	SC12-L	\$ 1,401.27	\$ 0.01071		\$ 0.86534	-	46,363	-	-	406,195	452,558	452,558
39	DG Sales	SC13	\$ 27.56	\$ 0.03914			992	137	-	-	-	1,129	137
40	DG Sales MB	SC13	\$ 27.56	\$ 0.03914			-	-	-	-	-	-	-
41	Electric Generation	SC14					-	-	-	-	-	-	-
42	NYSEG	NYSEG	\$ 908.94	\$ 0.03678		\$ 0.58086	10,907	110,626	-	-	-	12,980,863	12,980,863
43	Special Contract	SC9					-	-	-	-	-	330,643	319,735
44	Rounding	Round					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

Sch. 4.3C

Line	Description	SC	Level Year 3 Deliveries Dth						Demand Units
			Customers	Block 1	Block 2	Block 3	Block 4	Total	
1	Residential Non-Heat	SC1	26,095	62,160	273,392	109,310	-	444,862	
2	Residential Non-Heat MB	SC1	2,067	5,447	24,029	7,480	-	36,956	
3	Residential Heat	SC1	477,648	1,612,273	17,576,999	26,015,639	-	45,204,911	
4	Residential Heat MB	SC1	76,821	265,345	2,948,689	4,694,074	-	7,908,109	
5	Residential Non-Heat	SC2	115	270	1,174	-	0	1,443	
6	Residential Non-Heat MB	SC2	13	34	210	-	0	243	
7	Residential Heat	SC2	1,574	4,614	134,860	64,821	6,225	210,520	
8	Residential Heat MB	SC2	306	960	46,434	52,195	2,214	101,802	
9	Commercial Non-Heat	SC2	1,177	3,415	106,567	140,575	64,965	315,522	
10	Commercial Non-Heat MB	SC2	738	2,301	108,872	186,845	13,158	311,176	
11	Commercial Heat	SC2	27,932	79,617	3,682,090	5,454,399	1,403,752	10,619,858	
12	Commercial Heat MB	SC2	15,533	47,971	2,656,705	6,442,586	1,013,191	10,160,452	
13	Industrial	SC2	80	235	17,283	107,299	31,496	156,314	
14	Industrial MB	SC2	73	231	15,681	83,607	33,013	132,532	
15	Commercial Non-Heat	SC3	-	-	-	-	-	-	
16	Commercial Heat	SC3	30	127,062	636,462	-	-	763,524	
17	Industrial	SC3	9	40,366	187,544	-	-	227,909	
18	Firm Transport	SC5	158	17,621	8,168,634	-	-	8,186,255	
19	Lg Vol IT	SC6	15	1,800	4,814,828	-	-	4,816,628	
20	Small FT	SC7	715	1,391,467	5,256,868	-	-	6,648,336	
21	Firm & Standby	SC8	60	6,980	5,807,899	8,949,358	9,400,410	24,164,647	
22	NGV	SC10	2	16,978	-	-	-	16,978	
23	DG <250	SC12-S	1	954	-	-	-	954	
24	DG <250	SC12-S	-	700	-	-	-	700	
25	DG <250 MB	SC12-S	1	3,840	-	-	-	3,840	
26	DG <250 MB	SC12-S	-	1,885	-	-	-	1,885	
27	DG 250-1000	SC12-S	-	-	-	-	-	-	
28	DG 250-1000	SC12-S	-	-	-	-	-	-	
29	DG 250-1000 MB	SC12-S	7	35,625	-	-	-	35,625	
30	DG 250-1000 MB	SC12-S	-	28,318	-	-	-	28,318	
31	DG 1M-2.5M	SC12-L	-	-	-	-	-	-	
32	DG 1M-2.5M	SC12-L	-	-	-	-	-	-	
33	DG 1M-2.5M MB	SC12-L	3	293,808	-	-	-	293,808	
34	DG 1M-2.5M MB	SC12-L	-	201,962	-	-	-	201,962	
35	DG >2.5M	SC12-L	-	-	-	-	-	-	
36	DG >2.5M	SC12-L	-	-	-	-	-	-	
37	DG >2.5M MB	SC12-L	2	467,832	-	-	-	467,832	
38	DG >2.5M MB	SC12-L	-	432,898	-	-	-	432,898	
39	DG Sales	SC13	3	11	350	-	-	360	469,405
40	DG Sales MB	SC13	-	-	-	-	-	-	
41	Electric Generation	SC14	5	-	48,852,114	-	-	48,852,114	
42	NYSEG	NYSEG	1	-	300,777	-	-	300,777	360,000
43	Special Contract	SC9	5	-	8,278,305	-	-	8,278,305	
44	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

Line	Description	SC	Level Year 3 Proposed Rates				Level Year 3 Proposed Rates Revenue				
			Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 1 (CC)	Block 2	Blocks 3-4	Demand Revenue
1	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	
6	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	145,914	1,110,477	
8	Residential Heat MB	SC2	24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002	89,046	174,317	115,532	378,896	
9	Commercial Non-Heat	SC2	24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002	342,921	400,063	352,475	1,095,459	
10	Commercial Non-Heat MB	SC2	24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002	214,869	408,718	417,244	1,040,832	
11	Commercial Heat	SC2	24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002	8,134,863	13,822,934	12,894,223	34,852,021	
12	Commercial Heat MB	SC2	24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002	4,523,823	9,973,536	14,778,755	29,276,114	
13	Industrial	SC2	24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002	23,416	64,884	256,372	344,672	
14	Industrial MB	SC2	24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002	21,116	58,870	205,696	285,681	
15	Commercial Non-Heat	SC3	781.27	\$ 0.12041	\$ -	\$ -	-	-	-	-	
16	Commercial Heat	SC3	781.27	\$ 0.12041	\$ -	\$ -	280,633	766,364	-	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 Volt	SC6	361.27	\$ 0.15930	\$ -	\$ -	-	-	-	2,562,020	
20	Small FT	SC7	1,270.53	\$ 0.08481	\$ 0.07981	\$ 0.06886	3,100,642	8,374,191	-	11,474,833	
21	Firm & Standby	SC8	-	\$ 0.60900	\$ -	\$ -	914,782	4,925,679	13,615,605	20,973,113	
22	NGV	SC10	148.27	\$ 0.05074	\$ -	\$ -	103,395	484	-	103,395	
23	DG <250	SC12-S	148.27	\$ 0.06429	\$ -	\$ -	1,779	450	-	2,263	
24	DG <250 MB	SC12-S	148.27	\$ 0.05074	\$ -	\$ -	-	450	-	450	
25	DG <250 MB	SC12-S	148.27	\$ 0.06429	\$ -	\$ -	1,779	1,948	-	3,727	
26	DG <250 MB	SC12-S	148.27	\$ 0.06429	\$ -	\$ -	-	1,212	-	1,212	
27	DG 250-1000	SC12-S	466.54	\$ 0.04522	\$ -	\$ -	-	-	-	-	
28	DG 250-1000	SC12-S	466.54	\$ 0.05728	\$ -	\$ -	39,189	16,110	-	55,299	
29	DG 250-1000 MB	SC12-S	466.54	\$ 0.04522	\$ -	\$ -	-	16,221	-	16,221	
30	DG 250-1000 MB	SC12-S	466.54	\$ 0.05728	\$ -	\$ -	-	-	-	-	
31	DG 1M-2.5M	SC12-L	1,401.27	\$ 0.04216	\$ 0.03615	\$ -	-	-	-	-	
32	DG 1M-2.5M	SC12-L	1,401.27	\$ 0.05340	\$ 0.04578	\$ -	-	-	-	-	
33	DG 1M-2.5M MB	SC12-L	1,401.27	\$ 0.04216	\$ 0.03615	\$ -	50,446	123,869	-	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	\$ -	\$ -	-	-	-	-	
36	DG >2.5M	SC12-L	1,401.27	\$ 0.01071	\$ -	\$ -	-	-	-	-	
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	-	46,363	-	452,558	
39	DG Sales	SC13	27.56	\$ 0.03914	\$ -	\$ -	992	137	-	1,129	
40	DG Sales MB	SC13	27.56	\$ 0.03914	\$ -	\$ -	-	-	-	-	
41	Electric Generation	SC14	931.96	\$ 0.03771	\$ -	\$ 0.59557	11,184	113,423	-	12,980,863	
42	NYSEG	NYSEG	-	\$ -	\$ -	\$ -	-	-	-	214,405	
43	Special Contract	SC9	-	\$ -	\$ -	\$ -	-	-	-	4,007,632	
44	Rounding	Round	-	\$ -	\$ -	\$ -	-	-	-	-	
45							161,818,520	172,820,568	73,648,394	21,688,163	429,975,645

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 4

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tblRates_LvlYr4

Line	Rate	SC	Rate Year 3 Rates Before Surrender				Rate Year 4 Rates Revenue				
			Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 2 dth	Target	Customer Charge	Demand Charge
1	SC1	SC1	\$ 20.35	\$ 0.60404	\$ 0.10013			298,925,003	142,278,511	-	156,646,491
2	SC2	SC2	\$ 24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002		68,426,619	13,845,612	-	54,581,007
3	SC3	SC3	\$ 781.27	\$ 0.12041			824,005	1,357,132	364,947	-	992,185
4	SC5	SC5	\$ 619.74	\$ 0.08279				7,937,839	1,175,027	-	6,762,812
5	SC6	SC6						2,562,020	-	2,562,020	-
6	SC7	SC7	\$ 361.27	\$ 0.15930				11,474,833	3,100,642	-	8,374,191
7	SC8	SC8	\$ 1,270.53	\$ 0.08481	\$ 0.07981	\$ 0.06886	24,157,667	20,973,113	914,782	1,517,048	18,541,284
8	SC10	SC10		\$ 0.60900				103,395	-	-	103,395
9											
10	SC12-S1	SC12-S	\$ 148.27	\$ 0.05074				79,172	42,748	-	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		\$ 1,401.27	\$ 0.01071		\$ 0.86534					
19											
20	SC13	SC13	\$ 27.56	\$ 0.03914				1,129	992	-	137
21	SC14	SC14						12,980,863	-	12,980,863	-
22	NYSEG	NYSEG	\$ 931.96	\$ 0.03771		\$ 0.59557		339,012	11,184	214,405	113,423
23	SC9	SC9						4,007,632	-	4,007,632	-
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

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<i>tblRates_LvlYr4</i>		Rate Year 4 Proposed Rates Before Surcredit							
Line	Rate	SC	Volumetric Year 4 at Year 3 Rates	Volumetric % Increase	Block 1 (CC)	Block 2	Block 3	Block 4	Demand
1	SC1	SC1	156,646,491	0.00%	\$ 20.35	\$ 0.60404	\$ 0.10013		
2	SC2	SC2	54,581,007	0.00%	\$ 24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002	
3	SC3	SC3	992,185	0.00%	\$ 781.27	\$ 0.12041			
4	SC5	SC5	6,762,812	0.00%	\$ 619.74	\$ 0.08279			
5	SC6	SC6	2,562,020						
6	SC7	SC7	8,374,191	0.00%	\$ 361.27	\$ 0.15930			
7	SC8	SC8	18,541,284	0.00%	\$ 1,270.53	\$ 0.08481	\$ 0.07981	\$ 0.06886	
8	SC10	SC10	103,395	0.00%		\$ 0.60900			
9									0.000
10	SC12-S1	SC12-S	36,425		\$ 148.27	\$ 0.05074			
11	SC12-S1W				\$ 148.27	\$ 0.06429			
12	SC12-S2				\$ 466.54	\$ 0.04522			
13	SC12-S2W				\$ 466.54	\$ 0.05728			
14									0.000
15	SC12-L1	SC12-L	723,807		\$ 1,401.27	\$ 0.04216	\$ 0.03615		
16	SC12-L1W				\$ 1,401.27	\$ 0.05340	\$ 0.04578		
17	SC12-L2				\$ 1,401.27	\$ 0.00845			\$ 0.86534
18	SC12-L2W				\$ 1,401.27	\$ 0.01071			\$ 0.86534
19									
20	SC13	SC13	137	0.00%	\$ 27.56	\$ 0.03914			
21	SC14	SC14	12,980,863						
22	NYSEG	NYSEG	327,828	3.39%	\$ 963.60	\$ 0.03899			\$ 0.61579
23	SC9	SC9	4,007,632						
24	Round	Round							
25			<u>266,640,077</u>	(7.56%)					

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Calculation of Proposed Rates- Year 4

Sch. 4.4A

Line	Rate	SC	Billing Units		Rate Year 4 Revenue at Proposed Rates			Surcredit			Surcredit Ratio
			Block 2	Block 3	Total	CC, Blocks 3-4, Demand	Difference to Target	Block 2	Block 3	Block 4	
1	SC1	SC1	20,823,110		298,925,003	30,866,577	-	\$ (0.00385)	\$ (0.00064)		26.3%
2	SC2	SC2	6,769,877		68,426,619	29,166,212	-	\$ (0.00224)	\$ (0.00130)	\$ (0.00041)	34.2%
3	SC3	SC3	824,005		1,357,132	-	-	\$ (0.00121)			41.7%
4	SC5	SC5	8,168,634		7,937,839	-	-	\$ (0.00061)			40.0%
5	SC6	SC6	4,814,828		2,562,020	2,562,020	-				
6	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)	\$ (0.00043)	\$ (0.00037)	34.5%
8	SC10	SC10	16,978		103,395	-	-				
9											
10	SC12-S1	SC12-S	71,322		79,172	42,748	-				
11	SC12-S1W		-								
12	SC12-S2		-								
13	SC12-S2W		-								
14											
15	SC12-L1	SC12-L	1,396,499		807,884	490,271	-				
16	SC12-L1W		-								
17	SC12-L2		-								
18	SC12-L2W		-								
19											
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

Sch. 4.4A

tblRates_LvlYr4

		Tax Credit							
Line	Rate	SC	Block 2	Block 3	Block 4	Demand	Tax Credit Ratio	Actual Tax Credit	Target
1	SC1	SC1	\$ (0.04117)	\$ (0.00683)			99.4%	(10,678,325)	(10,679,191)
2	SC2	SC2	\$ (0.02082)	\$ (0.01212)	\$ (0.00388)		99.6%	(3,028,045)	(3,027,077)
3	SC3	SC3	\$ (0.00655)				100.0%	(53,972)	(53,779)
4	SC5	SC5	\$ (0.00179)				100.0%	(146,219)	(143,829)
5	SC6	SC6							
6	SC7	SC7	\$ (0.00843)				98.4%	(443,154)	(443,577)
7	SC8	SC8	\$ (0.00226)	\$ (0.00214)	\$ (0.00183)		99.1%	(494,802)	(494,855)
8	SC10	SC10							
9									
10	SC12-S1	SC12-S	\$ (0.00606)				100.0%	(290)	(40,022)
11	SC12-S1W		\$ (0.00769)					(199)	
12	SC12-S2		\$ (0.00540)					(1,924)	
13	SC12-S2W		\$ (0.00684)					(1,937)	
14									
15	SC12-L1	SC12-L	\$ (0.00504)	\$ (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							
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

Sch. 4.4B

Line	Description	SC	Level Year 3 Proposed Rates Before Surrecredit				Level Year 4 Revenue at Year 3 Rates				Total	
			Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 1 (CC)	Block 2	Block 3		Block 4
1	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
6	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
8	Residential Heat MB	SC2	\$ 24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002	89,046	174,317	113,982	1,550	-	378,896
9	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			-	-	-	-	-	-
16	Commercial Heat	SC3	\$ 781.27	\$ 0.12041			280,633	766,364	-	-	-	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 VoltIT	SC6					-	-	-	-	-	-
20	Small FT	SC7	\$ 361.27	\$ 0.15930			3,100,642	8,374,191	-	-	-	2,562,020
21	Firm & Standby	SC8	\$ 1,270.53	\$ 0.08481	\$ 0.07981	\$ 0.06886	914,782	4,925,679	7,142,482	6,473,122	-	11,474,833
22	NGV	SC10		\$ 0.60900			-	103,395	-	-	-	103,395
23	DG <250	SC12-S	\$ 148.27	\$ 0.05074			1,779	484	-	-	-	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	-	-	-	3,727
26	DG <250 MB	SC12-S	\$ 148.27	\$ 0.06429			-	1,212	-	-	-	1,212
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	16,110	-	-	-	55,299
30	DG 250-1000 MB	SC12-S	\$ 466.54	\$ 0.05728			-	16,221	-	-	-	16,221
31	DG 1M-2.5M	SC12-L	\$ 1,401.27	\$ 0.04216	\$ 0.03615		-	-	-	-	-	-
32	DG 1M-2.5M	SC12-L	\$ 1,401.27	\$ 0.05340	\$ 0.04578		-	-	-	-	-	-
33	DG 1M-2.5M MB	SC12-L	\$ 1,401.27	\$ 0.04216	\$ 0.03615		50,446	123,869	-	-	-	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	\$ 0.08845			-	-	-	-	-	-
36	DG >2.5M	SC12-L	\$ 1,401.27	\$ 0.10171			-	-	-	-	-	-
37	DG >2.5M MB	SC12-L	\$ 1,401.27	\$ 0.08845			33,630	39,532	-	-	-	73,162
38	DG >2.5M MB	SC12-L	\$ 1,401.27	\$ 0.10171			-	46,363	-	-	406,195	452,558
39	DG Sales	SC13	\$ 27.56	\$ 0.03914			992	137	-	-	-	1,129
40	DG Sales MB	SC13	\$ 27.56	\$ 0.03914			-	-	-	-	-	-
41	Electric Generation	SC14					11,184	113,423	-	-	-	12,980,863
42	NYSEG	NYSEG	\$ 931.96	\$ 0.03771			-	-	-	-	-	214,405
43	Special Contract	SC9					-	-	-	-	-	339,012
44	Rounding	Round					161,818,520	172,820,568	65,377,148	8,271,246	21,688,163	429,975,645

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Level Year 4 Rates and Revenue

Sch. 4.4C

Line	Description	SC	Level Year 3 Deliveries Dth							Demand Units
			Customers	Block 1	Block 2	Block 3	Block 4	Total		
1	Residential Non-Heat	SC1	26,095	62,160	273,392	109,310	-	-	444,862	
2	Residential Non-Heat MB	SC1	2,067	5,447	24,029	7,480	-	-	36,956	
3	Residential Heat	SC1	477,648	1,612,273	17,576,999	26,015,639	-	-	45,204,911	
4	Residential Heat MB	SC1	76,821	265,345	2,948,689	4,694,074	-	-	7,908,109	
5	Residential Non-Heat	SC2	115	270	1,174	-	0	0	1,443	
6	Residential Non-Heat MB	SC2	13	34	210	-	0	0	243	
7	Residential Heat	SC2	1,574	4,614	134,860	64,821	6,225	210,520	210,520	
8	Residential Heat MB	SC2	306	960	46,434	52,195	2,214	101,802	101,802	
9	Commercial Non-Heat	SC2	1,177	3,415	106,567	140,575	64,965	315,522	315,522	
10	Commercial Non-Heat MB	SC2	738	2,301	108,872	186,845	13,158	311,176	311,176	
11	Commercial Heat	SC2	27,932	79,617	3,682,090	5,454,399	1,403,752	10,619,858	10,619,858	
12	Commercial Heat MB	SC2	15,533	47,971	2,656,705	6,442,586	1,013,191	10,160,452	10,160,452	
13	Industrial	SC2	80	235	17,283	107,299	31,496	156,314	156,314	
14	Industrial MB	SC2	73	231	15,681	83,607	33,013	132,532	132,532	
15	Commercial Non-Heat	SC3	-	-	-	-	-	-	-	
16	Commercial Heat	SC3	30	127,062	636,462	-	-	763,524	763,524	
17	Industrial	SC3	9	40,366	187,544	-	-	227,909	227,909	
18	Firm Transport	SC5	158	17,621	8,168,634	-	-	8,186,255	8,186,255	
19	Lg Vol IT	SC6	15	1,800	4,814,828	-	-	4,816,628	4,816,628	
20	Small FT	SC7	715	1,391,467	5,256,868	-	-	6,648,336	6,648,336	
21	Firm & Standby	SC8	60	6,980	5,807,899	8,949,358	9,400,410	24,164,647	24,164,647	
22	NGV	SC10	2	16,978	16,978	-	-	16,978	16,978	
23	DG <250	SC12-S	1	954	954	-	-	954	954	
24	DG <250	SC12-S	-	700	700	-	-	700	700	
25	DG <250 MB	SC12-S	1	3,840	3,840	-	-	3,840	3,840	
26	DG <250 MB	SC12-S	-	1,885	1,885	-	-	1,885	1,885	
27	DG 250-1000	SC12-S	-	-	-	-	-	-	-	
28	DG 250-1000	SC12-S	-	-	-	-	-	-	-	
29	DG 250-1000 MB	SC12-S	7	35,625	35,625	-	-	35,625	35,625	
30	DG 250-1000 MB	SC12-S	-	28,318	28,318	-	-	28,318	28,318	
31	DG 1M-2.5M	SC12-L	-	-	-	-	-	-	-	
32	DG 1M-2.5M	SC12-L	-	-	-	-	-	-	-	
33	DG 1M-2.5M MB	SC12-L	3	293,808	293,808	-	-	293,808	293,808	
34	DG 1M-2.5M MB	SC12-L	-	201,962	201,962	-	-	201,962	201,962	
35	DG >2.5M	SC12-L	-	-	-	-	-	-	-	
36	DG >2.5M	SC12-L	-	-	-	-	-	-	-	
37	DG >2.5M MB	SC12-L	2	467,832	467,832	-	-	467,832	467,832	
38	DG >2.5M MB	SC12-L	-	432,898	432,898	-	-	432,898	432,898	
39	DG Sales	SC13	3	11	350	-	-	360	360	469,405
40	DG Sales MB	SC13	-	-	-	-	-	-	-	
41	Electric Generation	SC14	5	-	48,852,114	-	-	48,852,114	48,852,114	
42	NYSEG	NYSEG	1	-	300,777	-	-	300,777	300,777	360,000
43	Special Contract	SC9	5	-	8,278,305	-	-	8,278,305	8,278,305	
44	Rounding	Round	-	64	64	-	-	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

Sch. 4.4C

Line	Description	SC	Level Year 3 Proposed Rates				Level Year 3 Proposed Rates Revenue				
			Block 1 (CC)	Block 2	Block 3	Block 4	Demand	Block 1 (CC)	Block 2	Blocks 3-4	Demand Revenue
1	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	
6	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	145,914	1,110,477	
8	Residential Heat MB	SC2	\$ 24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002	89,046	174,317	115,532	378,896	
9	Commercial Non-Heat	SC2	\$ 24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002	342,921	400,063	352,475	1,095,459	
10	Commercial Non-Heat MB	SC2	\$ 24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002	214,869	408,718	417,244	1,040,832	
11	Commercial Heat	SC2	\$ 24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002	8,134,863	13,822,934	12,894,223	34,852,021	
12	Commercial Heat MB	SC2	\$ 24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002	4,523,823	9,973,536	14,778,755	29,276,114	
13	Industrial	SC2	\$ 24.27	\$ 0.37541	\$ 0.21838	\$ 0.07002	23,416	64,884	256,372	344,672	
14	Industrial MB	SC2	\$ 781.27	\$ 0.12041	\$ -	\$ -	21,116	58,870	205,696	285,681	
15	Commercial Non-Heat	SC3	\$ 781.27	\$ 0.12041	\$ -	\$ -	280,633	766,364	-	1,046,996	
16	Commercial Heat	SC3	\$ 781.27	\$ 0.12041	\$ -	\$ -	84,315	225,821	-	310,136	
17	Industrial	SC3	\$ 781.27	\$ 0.12041	\$ -	\$ -	1,175,027	6,762,812	-	7,937,839	
18	Firm Transport	SC5	\$ 619.74	\$ 0.08279	\$ -	\$ -	-	-	-	2,562,020	
19	Lg Volt	SC6	\$ 361.27	\$ 0.15930	\$ -	\$ -	3,100,642	8,374,191	-	11,474,833	
20	Small FT	SC7	\$ 1,270.53	\$ 0.08481	\$ 0.07981	\$ 0.06886	914,782	4,925,679	13,615,605	20,973,113	
21	Firm & Standby	SC8	\$ -	\$ 0.60900	\$ -	\$ -	103,395	-	-	103,395	
22	NGV	SC10	\$ 148.27	\$ 0.05074	\$ -	\$ -	1,779	484	-	2,263	
23	DG <250	SC12-S	\$ 148.27	\$ 0.06429	\$ -	\$ -	-	450	-	450	
24	DG <250 MB	SC12-S	\$ 148.27	\$ 0.05074	\$ -	\$ -	-	1,948	-	3,727	
25	DG <250 MB	SC12-S	\$ 148.27	\$ 0.06429	\$ -	\$ -	-	1,212	-	1,212	
26	DG <250 MB	SC12-S	\$ 466.54	\$ 0.04522	\$ -	\$ -	-	-	-	-	
27	DG 250-1000	SC12-S	\$ 466.54	\$ 0.05728	\$ -	\$ -	39,189	16,110	-	55,299	
28	DG 250-1000	SC12-S	\$ 466.54	\$ 0.04522	\$ -	\$ -	-	16,221	-	16,221	
29	DG 250-1000 MB	SC12-S	\$ 466.54	\$ 0.05728	\$ -	\$ -	-	-	-	-	
30	DG 250-1000 MB	SC12-S	\$ 1,401.27	\$ 0.04216	\$ 0.03615	\$ -	-	-	-	-	
31	DG 1M-2.5M	SC12-L	\$ 1,401.27	\$ 0.05340	\$ 0.04578	\$ -	50,446	123,869	-	174,315	
32	DG 1M-2.5M	SC12-L	\$ 1,401.27	\$ 0.04216	\$ 0.03615	\$ -	-	-	-	-	
33	DG 1M-2.5M MB	SC12-L	\$ 1,401.27	\$ 0.05340	\$ 0.04578	\$ -	-	107,848	-	107,848	
34	DG 1M-2.5M MB	SC12-L	\$ 1,401.27	\$ 0.00845	\$ -	\$ -	-	-	-	-	
35	DG >2.5M	SC12-L	\$ 1,401.27	\$ 0.01071	\$ -	\$ -	-	-	-	-	
36	DG >2.5M	SC12-L	\$ 1,401.27	\$ 0.00845	\$ -	\$ -	33,630	39,532	-	73,162	
37	DG >2.5M MB	SC12-L	\$ 1,401.27	\$ 0.01071	\$ -	\$ -	-	46,363	-	452,558	
38	DG >2.5M MB	SC12-L	\$ 1,401.27	\$ 0.03914	\$ -	\$ -	992	137	-	1,129	
39	DG Sales	SC13	\$ 27.56	\$ 0.03914	\$ -	\$ -	-	-	-	-	
40	DG Sales MB	SC13	\$ 27.56	\$ 0.03914	\$ -	\$ -	-	-	-	-	
41	Electric Generation	SC14	\$ 931.96	\$ 0.03771	\$ -	\$ -	11,184	113,423	-	12,980,863	
42	NYSEG	NYSEG	\$ -	\$ -	\$ -	\$ 0.59557	-	-	-	214,405	
43	Special Contract	SC9	\$ -	\$ -	\$ -	\$ -	-	-	-	4,007,632	
44	Rounding	Round	\$ -	\$ -	\$ -	\$ -	-	-	-	-	
45							161,818,520	172,820,568	73,648,394	21,688,163	429,975,645

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Net Rates (Net of Tax Effect Credit and Surcredit)

Sch. 4.5

Line	Description	SC	Current Rates				Rate Year 1 Proposed Rates- NET			
			Block 1		Block 2		Block 3		Block 4	
			(CC)	(CC)						
1	SC1		\$ 20.35	\$ 0.38520	\$ 0.06385	\$ 20.35	\$ 0.42819	\$ 0.07097		
2	SC2		\$ 24.27	\$ 0.29744	\$ 0.17302	\$ 24.27	\$ 0.29999	\$ 0.17450	\$ 0.05595	
3	SC3		\$ 781.27	\$ 0.09679		\$ 781.27	\$ 0.09376			
4	SC5		\$ 522.38	\$ 0.06450		\$ 554.83	\$ 0.07211			
5	SC6		\$ -	\$ -		\$ -	\$ -			
6	SC7		\$ 361.27	\$ 0.11896		\$ 361.27	\$ 0.12647			
7	SC8		\$ 924.04	\$ 0.06569	\$ 0.06182	\$ 1,039.54	\$ 0.07285	\$ 0.06856	\$ 0.05915	
8	SC10		\$ -	\$ 0.60900		\$ -	\$ 0.60900			
9										
10	SC12-S1	SC12-S	\$ 148.27	\$ 0.05074		\$ 148.27	\$ 0.04490			
11	SC12-S1W		\$ 148.27	\$ 0.06429		\$ 148.27	\$ 0.05688			
12	SC12-S2		\$ 466.54	\$ 0.04522		\$ 466.54	\$ 0.04001			
13	SC12-S2W		\$ 466.54	\$ 0.05728		\$ 466.54	\$ 0.05068			
14										
15	SC12-L1	SC12-L	\$ 1,401.27	\$ 0.04216	\$ 0.03615	\$ 1,401.27	\$ 0.03730	\$ 0.03199		
16	SC12-L1W		\$ 1,401.27	\$ 0.05340	\$ 0.04578	\$ 1,401.27	\$ 0.04725	\$ 0.04051		
17	SC12-L2		\$ 1,401.27	\$ 0.00845		\$ 1,401.27	\$ 0.00748		\$ 0.76567	
18	SC12-L2W		\$ 1,401.27	\$ 0.01071		\$ 1,401.27	\$ 0.00948		\$ 0.76567	
19						\$ -	\$ -			
20	SC13	SC13	\$ 27.56	\$ 0.03914		\$ 27.56	\$ 0.03914			
21	SC14	SC14								
22	NYSEG	NYSEG	\$ 810.07	\$ 0.03228		\$ 897.50	\$ 0.03565		\$ 0.56306	
23	SC9	SC9								
24	Rounding	Round								
25										

Source: Sch. 4.1A

Niagara Mohawk Power Corporation (Gas)
Years Ending March 31, 2019-2022
Net Rates (Net of Tax Effect Credit and Surcredit)

Sch. 4.5

		Rate Year 2 Proposed Rates- NET				Rate Year 3 Proposed Rates- NET						
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	\$ 0.48728	\$ 0.08074			\$ 20.35	\$ 0.54788	\$ 0.09081		
2	SC2	SC2	\$ 24.27	\$ 0.32432	\$ 0.18870	\$ 0.06055		\$ 24.27	\$ 0.34793	\$ 0.20241	\$ 0.06492	
3	SC3	SC3	\$ 781.27	\$ 0.10280				\$ 781.27	\$ 0.11096			
4	SC5	SC5	\$ 587.29	\$ 0.07582				\$ 619.74	\$ 0.07945			
5	SC6	SC6	\$ -	\$ -				\$ -	\$ -			
6	SC7	SC7	\$ 361.27	\$ 0.13678				\$ 361.27	\$ 0.14773			
7	SC8	SC8	\$ 1,155.03	\$ 0.07689	\$ 0.07239	\$ 0.06247		\$ 1,270.53	\$ 0.08118	\$ 0.07639	\$ 0.06593	
8	SC10	SC10	\$ -	\$ 0.60900				\$ -	\$ 0.60900			
9												
10	SC12-S1	SC12-S	\$ 148.27	\$ 0.04493				\$ 148.27	\$ 0.04468			
11	SC12-S1W		\$ 148.27	\$ 0.05692				\$ 148.27	\$ 0.05660			
12	SC12-S2		\$ 466.54	\$ 0.04004				\$ 466.54	\$ 0.03982			
13	SC12-S2W		\$ 466.54	\$ 0.05072				\$ 466.54	\$ 0.05044			
14												
15	SC12-L1	SC12-L	\$ 1,401.27	\$ 0.03733	\$ 0.03201			\$ 1,401.27	\$ 0.03712	\$ 0.03183		
16	SC12-L1W		\$ 1,401.27	\$ 0.04728	\$ 0.04054			\$ 1,401.27	\$ 0.04702	\$ 0.04031		
17	SC12-L2		\$ 1,401.27	\$ 0.00749			\$ 0.76621	\$ 1,401.27	\$ 0.00745			\$ 0.76195
18	SC12-L2W		\$ 1,401.27	\$ 0.00949			\$ 0.76621	\$ 1,401.27	\$ 0.00944			\$ 0.76195
19												
20	SC13	SC13	\$ 27.56	\$ 0.03914				\$ 27.56	\$ 0.03914			
21	SC14	SC14										
22	NYSEG	NYSEG	\$ 908.94	\$ 0.03644			\$ 0.57547	\$ 931.96	\$ 0.03760			\$ 0.59381
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)

Sch. 4.5

Source: Sch. 4.4A

Line	Description	SC	Rate Year 4 Proposed Rates- NET			
			Block 1 (CC)	Block 2	Block 3	Block 4 Demand
1	SC1	SC1	\$ 20.35	\$ 0.55902	\$ 0.09266	
2	SC2	SC2	\$ 24.27	\$ 0.35235	\$ 0.20496	\$ 0.06573
3	SC3	SC3	\$ 781.27	\$ 0.11265		
4	SC5	SC5	\$ 619.74	\$ 0.08039		
5	SC6	SC6	\$ -	\$ -		
6	SC7	SC7	\$ 361.27	\$ 0.14982		
7	SC8	SC8	\$ 1,270.53	\$ 0.08209	\$ 0.07724	\$ 0.06666
8	SC10	SC10	\$ -	\$ 0.60900		
9						
10	SC12-S1	SC12-S	\$ 148.27	\$ 0.04468		
11	SC12-S1W		\$ 148.27	\$ 0.05660		
12	SC12-S2		\$ 466.54	\$ 0.03982		
13	SC12-S2W		\$ 466.54	\$ 0.05044		
14						
15	SC12-L1	SC12-L	\$ 1,401.27	\$ 0.03712	\$ 0.03183	
16	SC12-L1W		\$ 1,401.27	\$ 0.04702	\$ 0.04031	
17	SC12-L2		\$ 1,401.27	\$ 0.00745		\$ 0.76195
18	SC12-L2W		\$ 1,401.27	\$ 0.00944		\$ 0.76195
19						
20	SC13	SC13	\$ 27.56	\$ 0.03914		
21	SC14	SC14				
22	NYSEG	NYSEG	\$ 963.60	\$ 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

Therm Usage	Delivery				Commodity				Total				
	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				\$20.35				\$20.35		\$0.00	0.00%		
Next 47 Therms per Therm				\$0.38520				\$0.42819		\$0.04	11.16%		
Over 50 Therms per Therm				\$0.06385				\$0.07097		\$0.01	11.15%		
Delivery Service Adjustment													
Research & Development Surcharge				\$0.000000				\$0.000000		\$0.00	0.00%		
Net Revenue Sharing Surcharge				-\$0.000570				-\$0.000570		\$0.00	0.00%		
Revenue Decoupling Mechanism				\$0.002170				\$0.002170		\$0.00	0.00%		
Incremental State Assessment Surcharge				\$0.000000				\$0.000000		\$0.00	0.00%		
System Benefits Charge				\$0.013905				\$0.004626		(\$0.01)	-66.73%		
Merchant Function Charge				\$0.024418				\$0.021278		(\$0.003)	-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%		

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

Therm Usage	Delivery				Commodity				Total				
	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 Therm				\$0.385200				\$0.42819	\$0.04	11.16%			
Over 50 Therms per Therm				\$0.063850				\$0.07097	\$0.01	11.15%			
Delivery Service Adjustment													
Research & Development Surcharge				\$0.000000				\$0.000000	\$0.00	0.00%			
Net Revenue Sharing Surcharge				-\$0.000570				-\$0.000570	\$0.00	0.00%			
Revenue Decoupling Mechanism				\$0.002170				\$0.002170	\$0.00	0.00%			
Incremental State Assessment Surcharge				\$0.000000				\$0.000000	\$0.00	0.00%			
System Benefits Charge				\$0.013905				\$0.004626	(\$0.01)	-66.73%			
Merchant Function Charge				\$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

Therm Usage	Delivery				Commodity				Total				
	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)	-0.45%	
25	\$31.34	\$31.16	(\$0.18)	-0.56%	\$8.53	\$8.50	(\$0.03)	0%	\$39.86	\$39.66	(\$0.21)	-0.52%	
30	\$32.93	\$32.72	(\$0.21)	-0.64%	\$10.23	\$10.20	(\$0.04)	0%	\$43.16	\$42.91	(\$0.24)	-0.57%	
40	\$36.11	\$35.83	(\$0.28)	-0.77%	\$13.64	\$13.59	(\$0.05)	0%	\$49.75	\$49.43	(\$0.32)	-0.65%	
50	\$39.29	\$38.95	(\$0.34)	-0.88%	\$17.05	\$16.99	(\$0.06)	0%	\$56.35	\$55.94	(\$0.40)	-0.72%	
55	\$40.89	\$40.51	(\$0.38)	-0.92%	\$18.76	\$18.69	(\$0.06)	0%	\$59.64	\$59.20	(\$0.44)	-0.74%	
60	\$42.48	\$42.07	(\$0.41)	-0.97%	\$20.46	\$20.39	(\$0.07)	0%	\$62.94	\$62.46	(\$0.48)	-0.77%	
65	\$44.07	\$43.62	(\$0.45)	-1.01%	\$22.17	\$22.09	(\$0.08)	0%	\$66.24	\$65.71	(\$0.52)	-0.79%	
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)	-0.83%	
80	\$48.84	\$48.30	(\$0.55)	-1.12%	\$27.28	\$27.19	(\$0.09)	0%	\$76.13	\$75.49	(\$0.64)	-0.84%	
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)	-1.02%	
400	\$135.77	\$132.95	(\$2.83)	-2.08%	\$136.42	\$135.94	(\$0.47)	0%	\$272.19	\$268.89	(\$3.30)	-1.21%	
500	\$155.16	\$151.56	(\$3.61)	-2.32%	\$170.52	\$169.93	(\$0.59)	0%	\$325.68	\$321.49	(\$4.20)	-1.29%	
600	\$174.55	\$170.17	(\$4.39)	-2.51%	\$204.62	\$203.92	(\$0.71)	0%	\$379.18	\$374.08	(\$5.10)	-1.34%	
1,000	\$252.11	\$244.61	(\$7.51)	-2.98%	\$341.04	\$339.86	(\$1.18)	0%	\$593.15	\$584.47	(\$8.69)	-1.46%	
1,500	\$349.06	\$337.66	(\$11.41)	-3.27%	\$511.56	\$509.79	(\$1.77)	0%	\$860.62	\$847.44	(\$13.18)	-1.53%	
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)	-1.57%	
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)	-1.59%	
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)	-1.60%	
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)	-1.62%	
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)	-1.63%	
5,000	\$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)	-1.63%	
5,500	\$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)	-1.69%	
6,000	\$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)	-1.73%	
7,000	\$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)	-1.81%	
8,000	\$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)	-1.87%	
9,000	\$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)	-1.92%	
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					Proposed							Difference	Change
First 3 or Less					\$24.27							\$0.00	0.00%
Next 277 Therms per Therm					\$0.297440							\$0.00	0.86%
Next 4,720 Therms per Therm					\$0.173020							\$0.00	0.86%
Over 5,000 Therms per Therm					\$0.055470							\$0.00	0.87%
Delivery Service Adjustment													
Research & Development Surcharge					\$0.000000							\$0.00	0.00%
Net Revenue Sharing Surcharge					-\$0.000570							\$0.00	0.00%
Revenue Decoupling Mechanism					\$0.009260							\$0.00	0.00%
Incremental State Assessment Surcharge					\$0.000000							\$0.00	0.00%
System Benefits Charge					\$0.012189							(\$0.01)	-76.13%
Merchant Function Charge					\$0.009750							(\$0.00)	-1.04%
Monthly Cost of Gas					\$0.331290							(\$0.00)	-0.33%
Gross Receipts Tax													
Delivery					0.000000%							0.00%	0.00%
Supply					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 One (Current vs. Proposed)
Based on Oct 27, 2017 NYMEX

Therm Usage	Delivery				Commodity				Total				
	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)	-1.04%	
180	\$73.98	\$72.77	(\$1.22)	-1.65%	\$61.39	\$61.17	(\$0.21)	0%	\$135.37	\$133.94	(\$1.43)	-1.06%	
200	\$79.61	\$78.25	(\$1.35)	-1.70%	\$68.21	\$67.97	(\$0.24)	0%	\$147.82	\$146.23	(\$1.59)	-1.08%	
250	\$93.66	\$91.97	(\$1.69)	-1.80%	\$85.26	\$84.96	(\$0.30)	0%	\$178.92	\$176.94	(\$1.99)	-1.11%	
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)	-1.37%	
600	\$152.25	\$147.87	(\$4.39)	-2.88%	\$204.62	\$203.92	(\$0.71)	0%	\$356.88	\$351.78	(\$5.10)	-1.43%	
1,000	\$214.94	\$207.44	(\$7.51)	-3.49%	\$341.04	\$339.86	(\$1.18)	0%	\$555.98	\$547.30	(\$8.69)	-1.56%	
1,500	\$293.31	\$281.90	(\$11.41)	-3.89%	\$511.56	\$509.79	(\$1.77)	0%	\$804.87	\$791.69	(\$13.18)	-1.64%	
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)	-1.68%	
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)	-1.70%	
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)	-1.72%	
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)	-1.74%	
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)	-1.75%	
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)	-1.75%	
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)	-1.81%	
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)	-1.86%	
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)	-1.95%	
8,000	\$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)	-2.02%	
9,000	\$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)	-2.08%	
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				\$24.27			\$0.00	0.00%	
Next 277 Therms per Therm				\$0.297440				\$0.299990			\$0.00	0.86%	
Next 4,720 Therms per Therm				\$0.173020				\$0.174500			\$0.00	0.86%	
Over 5,000 Therms per Therm				\$0.055470				\$0.055950			\$0.00	0.87%	
Delivery Service Adjustment													
Research & Development Surcharge				\$0.000000				\$0.000000			\$0.00	0.00%	
Net Revenue Sharing Surcharge				-\$0.000570				-\$0.000570			\$0.00	0.00%	
Revenue Decoupling Mechanism				-\$0.027910				-\$0.027910			\$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%	
Merchant Function Charge				\$0.009750				\$0.009649			(\$0.00)	-1.04%	
Monthly Cost of Gas				\$0.331290				\$0.330210			(\$0.00)	-0.33%	
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)
Based on Oct 27, 2017 NYMEX

Therm Usage	Delivery				Commodity				Total				
	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)	-1.32%	
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)	-1.59%	
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)	-1.61%	
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)	-1.64%	
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)	-1.65%	
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)	-1.67%	
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)	-1.67%	
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)	-1.68%	
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)	-1.74%	
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)	-1.79%	
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)	-1.87%	
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)	-1.93%	
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)	-1.98%	
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					Proposed					Difference	Change		
First 3 or Less					\$24.27					\$24.27	\$0.00	0.00%	
Next 277 Therms per Therm					\$0.297440					\$0.299990	\$0.00	0.86%	
Next 4,720 Therms per Therm					\$0.173020					\$0.174500	\$0.00	0.86%	
Over 5,000 Therms per Therm					\$0.055470					\$0.055950	\$0.00	0.87%	
Delivery Service Adjustment													
Research & Development Surcharge					\$0.000000					\$0.000000	\$0.00	0.00%	
Net Revenue Sharing Surcharge					-\$0.000570					-\$0.000570	\$0.00	0.00%	
Revenue Decoupling Mechanism					-\$0.006300					-\$0.006300	\$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%	
Merchant Function Charge					\$0.009750					\$0.009649	(\$0.00)	-1.04%	
Monthly Cost of Gas					\$0.331290					\$0.330210	(\$0.00)	-0.33%	
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 3 Large General Gas Supply
Rate Year One (Current vs. Proposed)
Based on Oct 27, 2017 NYMEX

Therm Usage	Delivery				Commodity				Total			
	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	\$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 Therm					\$0.096790					\$0.093760	(\$0.00)	-3.13%
Delivery Service Adjustment												
Research & Development Surcharge					\$0.000000					\$0.000000	\$0.00	0.00%
Net Revenue Sharing Surcharge					-\$0.000570					-\$0.000570	\$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%
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
Monthly Bill Comparison Table
SC 5 Firm Gas Transportation
Rate Year One (Current vs. Proposed)
Based on Oct 27, 2017 NYMEX

Therm Usage	Delivery				
	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	\$2,038.31	\$2,036.61	(\$1.69)	-0.08%	
25,000	\$2,418.90	\$2,408.86	(\$10.04)	-0.41%	
30,000	\$2,799.49	\$2,781.11	(\$18.38)	-0.66%	
Average	42,274	\$3,733.77	\$3,694.90	(\$38.87)	-1.04%
	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	\$6,986.01	\$6,875.84	(\$110.17)	-1.58%
	90,000	\$7,366.61	\$7,248.09	(\$118.52)	-1.61%
	95,000	\$7,747.20	\$7,620.34	(\$126.86)	-1.64%
Current		Proposed		Difference	Change
First 100 or Less	\$522.38		\$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%	
6,100	\$912.68	\$886.12	(\$26.56)	-2.91%	
Average	7,610	\$1,111.02	\$1,081.78	(\$29.23)	-2.63%
7,700	\$1,122.84	\$1,093.45	(\$29.39)	-2.62%	
8,000	\$1,162.24	\$1,132.32	(\$29.92)	-2.57%	
8,100	\$1,175.38	\$1,145.28	(\$30.10)	-2.56%	
8,500	\$1,227.92	\$1,197.11	(\$30.81)	-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	(\$33.46)	-2.35%	
20,000	\$2,738.43	\$2,687.28	(\$51.15)	-1.87%	
30,000	\$4,051.91	\$3,983.07	(\$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
First 2,100 or Less	\$361.27		\$361.27	\$0.00	0.00%
Over 2,100 Therms per Therm	\$0.118960		\$0.126470	\$0.01	6.31%
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%
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 8 Gas Transportation Service with Standby Sales
Rate Year One (Current vs. Proposed)
Based on Oct 27, 2017 NYMEX

Therm Usage	Delivery				
	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)
Rate Year One (Current vs. Proposed)
Based on Oct 27, 2017 NYMEX

Therm Usage	Delivery				Commodity				Total			
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
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	\$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)	-9.08%	\$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%
<u>Current</u>					<u>Proposed</u>						<u>Difference</u>	<u>Change</u>
First 3 or Less				\$148.27					\$148.27	\$0.00	0.00%	
Over 3 Therms per Therm				\$0.050740					\$0.044900	(\$0.01)	-11.51%	
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%	
Incremental State Assessment Surcharge				\$0.000000					\$0.000000	\$0.00	0.00%	
Merchant Function Charge				\$0.008595					\$0.009202	\$0.00	7.07%	
Monthly Cost of Gas				\$0.298930					\$0.297970	(\$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
Monthly Bill Comparison Table
SC 12 Distributed Generation Service - Non-Residential (< 250,000 Therms for Winter)
Rate Year One (Current vs. Proposed)

Therm Usage	Delivery				Commodity				Total			
	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
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	\$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%
Current					Proposed					Difference	Change	
First 3 or Less					\$148.27					\$148.27	\$0.00	0.00%
Over 3 Therms per Therm					\$0.064290					\$0.056880	(\$0.01)	-11.53%
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%
Incremental State Assessment Surcharge					\$0.000000					\$0.000000	\$0.00	0.00%
Merchant Function Charge					\$0.008595					\$0.009202	\$0.00	7.07%
Monthly Cost of Gas					\$0.298930					\$0.297970	(\$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
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

Therm Usage	Delivery				Commodity				Total			
	Current	Proposed	Difference	Change	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	\$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	\$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%
Current					Proposed						Difference	Change
First 3 or Less				\$466.54				\$466.54			\$0.00	0.00%
Over 3 Therms per Therm				\$0.045220				\$0.040010			(\$0.01)	-11.52%
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%
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.00	0.00%
Merchant Function Charge				\$0.008595				\$0.009202			\$0.00	7.07%
Monthly Cost of Gas				\$0.298930				\$0.297970			(\$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
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

Therm Usage	Delivery				Commodity				Total				
	Current	Proposed	Difference	Change	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	\$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	\$3,974.08	(\$461.98)	-10.41%	\$21,526.73	\$21,502.06	(\$24.67)	-0.11%	\$25,962.79	\$25,476.15	(\$486.65)	-1.87%	
75,000	\$4,719.61	\$4,224.63	(\$494.98)	-10.49%	\$23,064.35	\$23,037.93	(\$26.43)	-0.11%	\$27,783.97	\$27,262.56	(\$521.41)	-1.88%	
Current					Proposed							Difference	Change
First 3 or Less					\$466.54							\$0.00	0.00%
Over 3 Therms per Therm					\$0.057280							(\$0.01)	-11.52%
Delivery Service Adjustment													
Net Revenue Sharing					-\$0.000570							\$0.00	0.00%
Research & Development Surcharge					\$0.000000							\$0.00	0.00%
Incremental State Assessment Surcharge					\$0.000000							\$0.00	0.00%
Merchant Function Charge					\$0.008595							\$0.00	7.07%
Monthly Cost of Gas					\$0.298930							(\$0.00)	-0.32%
Gross Receipts Tax													
Delivery					0.000000%							0.00%	0.00%
Supply					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

Therm Usage	Delivery				Commodity				Total				
	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								
First 3 or Less					\$27.56								
Over 3 Therms per Therm					\$0.039140								
Delivery Service Adjustment													
Research & Development Surcharge					\$0.000000								
Net Revenue Sharing Surcharge					-\$0.000570								
Revenue Decoupling Mechanism					\$0.000000								
Incremental State Assessment Surcharge					\$0.000000								
Merchant Function Charge					\$0.009036								
Monthly Cost of Gas					\$0.336680								
Gross Receipts Tax													
Delivery					2.040820%								
Supply					0.000000%								

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

Therm Usage	Delivery				Commodity				Total				
	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 Therm				\$0.42819				\$0.48728	\$0.06	13.80%			
Over 50 Therms per Therm				\$0.07097				\$0.08074	\$0.01	13.77%			
Delivery Service Adjustment													
Research & Development Surcharge				\$0.000000				\$0.000000	\$0.00	0.00%			
Net Revenue Sharing Surcharge				-\$0.000570				-\$0.000570	\$0.00	0.00%			
Revenue Decoupling Mechanism				\$0.002170				\$0.002170	\$0.00	0.00%			
Incremental State Assessment Surcharge				\$0.000000				\$0.000000	\$0.00	0.00%			
System Benefits Charge				\$0.004626				\$0.004626	\$0.00	0.00%			
Merchant Function Charge				\$0.020373				\$0.020373	\$0.000	0.00%			
Monthly Cost of Gas				\$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

Therm Usage	Delivery				Commodity				Total				
	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%	
Average	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%	
FY19				FY20				Difference		Change			
First 3 or Less				\$17.35				\$17.35		\$0.00 0.00%			
Next 47 Therms per Therm				\$0.428190				\$0.48728		\$0.06 13.80%			
Over 50 Therms per Therm				\$0.070970				\$0.08074		\$0.01 13.77%			
Delivery Service Adjustment													
Research & Development Surcharge				\$0.000000				\$0.000000		\$0.00 0.00%			
Net Revenue Sharing Surcharge				-\$0.000570				-\$0.000570		\$0.00 0.00%			
Revenue Decoupling Mechanism				\$0.002170				\$0.002170		\$0.00 0.00%			
Incremental State Assessment Surcharge				\$0.000000				\$0.000000		\$0.00 0.00%			
System Benefits Charge				\$0.004626				\$0.004626		\$0.00 0.00%			
Merchant Function Charge				\$0.020373				\$0.020373		\$0.00 0.00%			
Monthly Cost of Gas				\$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%			

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

Therm Usage	Delivery				Commodity				Total				
	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	\$24.30	\$24.30	\$0.00	0.00%	\$0.97	\$0.97	\$0.00	0%	\$25.28	\$25.28	\$0.00	0.00%	
10	\$26.49	\$26.66	\$0.17	0.64%	\$3.23	\$3.23	\$0.00	0%	\$29.72	\$29.89	\$0.17	0.57%	
15	\$28.04	\$28.34	\$0.29	1.04%	\$4.85	\$4.85	\$0.00	0%	\$32.90	\$33.19	\$0.29	0.89%	
20	\$29.60	\$30.02	\$0.41	1.40%	\$6.47	\$6.47	\$0.00	0%	\$36.07	\$36.48	\$0.41	1.15%	
25	\$31.16	\$31.70	\$0.54	1.72%	\$8.09	\$8.09	\$0.00	0%	\$39.25	\$39.78	\$0.54	1.36%	
30	\$32.72	\$33.37	\$0.66	2.01%	\$9.70	\$9.70	\$0.00	0%	\$42.42	\$43.08	\$0.66	1.55%	
40	\$35.83	\$36.73	\$0.90	2.51%	\$12.94	\$12.94	\$0.00	0%	\$48.77	\$49.67	\$0.90	1.85%	
50	\$38.95	\$40.09	\$1.14	2.94%	\$16.17	\$16.17	\$0.00	0%	\$55.12	\$56.27	\$1.14	2.07%	
55	\$40.51	\$41.77	\$1.27	3.12%	\$17.79	\$17.79	\$0.00	0%	\$58.30	\$59.56	\$1.27	2.17%	
60	\$42.07	\$43.45	\$1.39	3.30%	\$19.41	\$19.41	\$0.00	0%	\$61.47	\$62.86	\$1.39	2.26%	
65	\$43.62	\$45.13	\$1.51	3.46%	\$21.02	\$21.02	\$0.00	0%	\$64.65	\$66.16	\$1.51	2.33%	
70	\$45.18	\$46.81	\$1.63	3.61%	\$22.64	\$22.64	\$0.00	0%	\$67.82	\$69.45	\$1.63	2.40%	
75	\$46.74	\$48.49	\$1.75	3.75%	\$24.26	\$24.26	\$0.00	0%	\$71.00	\$72.75	\$1.75	2.47%	
80	\$48.30	\$50.17	\$1.87	3.88%	\$25.88	\$25.88	\$0.00	0%	\$74.17	\$76.05	\$1.87	2.53%	
85	\$49.86	\$51.85	\$2.00	4.00%	\$27.49	\$27.49	\$0.00	0%	\$77.35	\$79.34	\$2.00	2.58%	
90	\$51.41	\$53.53	\$2.12	4.12%	\$29.11	\$29.11	\$0.00	0%	\$80.52	\$82.64	\$2.12	2.63%	
95	\$52.97	\$55.21	\$2.24	4.23%	\$30.73	\$30.73	\$0.00	0%	\$83.70	\$85.94	\$2.24	2.67%	
100	\$54.53	\$56.89	\$2.36	4.33%	\$32.35	\$32.35	\$0.00	0%	\$86.87	\$89.23	\$2.36	2.72%	
Average	132	\$64.50	\$67.64	\$3.14	4.87%	\$42.70	\$42.70	\$0.00	0%	\$107.20	\$110.33	\$3.14	2.93%
200	\$85.69	\$90.48	\$4.79	5.59%	\$64.69	\$64.69	\$0.00	0%	\$150.38	\$155.17	\$4.79	3.19%	
400	\$132.95	\$141.39	\$8.44	6.35%	\$129.38	\$129.38	\$0.00	0%	\$262.33	\$270.77	\$8.44	3.22%	
500	\$151.56	\$161.42	\$9.86	6.51%	\$161.73	\$161.73	\$0.00	0%	\$313.28	\$323.15	\$9.86	3.15%	
600	\$170.17	\$181.45	\$11.28	6.63%	\$194.07	\$194.07	\$0.00	0%	\$364.24	\$375.52	\$11.28	3.10%	
1,000	\$244.61	\$261.57	\$16.96	6.93%	\$323.46	\$323.46	\$0.00	0%	\$568.06	\$585.03	\$16.96	2.99%	
1,500	\$337.66	\$361.72	\$24.06	7.13%	\$485.18	\$485.18	\$0.00	0%	\$822.84	\$846.90	\$24.06	2.92%	
2,000	\$430.71	\$461.87	\$31.16	7.24%	\$646.91	\$646.91	\$0.00	0%	\$1,077.62	\$1,108.78	\$31.16	2.89%	
2,570	\$536.78	\$576.04	\$39.26	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%	\$2,351.50	\$2,418.17	\$66.66	2.83%	
5,000	\$989.01	\$1,062.77	\$73.76	7.46%	\$1,617.28	\$1,617.28	\$0.00	0%	\$2,606.28	\$2,680.04	\$73.76	2.83%	
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%	
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%	
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%	
FY19					FY20						Difference	Change	
First 3 or Less				\$24.27				\$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			\$0.01	8.14%	
Over 5,000 Therms per Therm				\$0.055950				\$0.060550			\$0.00	8.22%	
Delivery Service Adjustment													
Research & Development Surcharge				\$0.000000				\$0.000000			\$0.00	0.00%	
Net Revenue Sharing Surcharge				-\$0.000570				-\$0.000570			\$0.00	0.00%	
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													
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 - Commercial
Rate Year One (FY 19) vs. Rate Year Two (FY 20)
Based on Oct 27, 2017 NYMEX

Therm Usage	Delivery				Commodity				Total				
	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	\$24.19	\$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	\$34.35	\$35.25	\$0.90	2.62%	\$12.94	\$12.94	\$0.00	0%	\$47.29	\$48.19	\$0.90	1.90%	
50	\$37.09	\$38.23	\$1.14	3.08%	\$16.17	\$16.17	\$0.00	0%	\$53.26	\$54.41	\$1.14	2.15%	
60	\$39.84	\$41.22	\$1.39	3.48%	\$19.41	\$19.41	\$0.00	0%	\$59.24	\$60.63	\$1.39	2.34%	
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	\$116.44	\$124.73	\$8.29	7.12%	\$125.82	\$125.82	\$0.00	0%	\$242.26	\$250.55	\$8.29	3.42%
400	\$118.08	\$126.52	\$8.44	7.15%	\$129.38	\$129.38	\$0.00	0%	\$247.46	\$255.90	\$8.44	3.41%	
500	\$132.97	\$142.84	\$9.86	7.42%	\$161.73	\$161.73	\$0.00	0%	\$294.70	\$304.56	\$9.86	3.35%	
600	\$147.87	\$159.15	\$11.28	7.63%	\$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	\$924.67	\$1,016.84	\$92.16	9.97%	\$2,911.10	\$2,911.10	\$0.00	0%	\$3,835.77	\$3,927.93	\$92.16	2.40%	
10,000	\$955.05	\$1,051.82	\$96.76	10.13%	\$3,234.55	\$3,234.55	\$0.00	0%	\$4,189.61	\$4,286.37	\$96.76	2.31%	
FY19					FY20					Difference	Change		
First 3 or Less										\$24.27	\$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	\$0.01	8.14%
Over 5,000 Therms per Therm										\$0.055950	\$0.060550	\$0.00	8.22%
Delivery Service Adjustment													
Research & Development Surcharge										\$0.000000	\$0.000000	\$0.00	0.00%
Net Revenue Sharing Surcharge										-\$0.000570	-\$0.000570	\$0.00	0.00%
Revenue Decoupling Mechanism										-\$0.027910	-\$0.027910	\$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													
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 (FY 19) vs. Rate Year Two (FY 20)
Based on Oct 27, 2017 NYMEX

Therm Usage	Delivery				Commodity				Total				
	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	\$24.26	\$24.26	\$0.00	0.00%	\$0.97	\$0.97	\$0.00	0%	\$25.23	\$25.23	\$0.00	0.00%	
10	\$26.33	\$26.50	\$0.17	0.65%	\$3.23	\$3.23	\$0.00	0%	\$29.56	\$29.74	\$0.17	0.58%	
15	\$27.81	\$28.10	\$0.29	1.05%	\$4.85	\$4.85	\$0.00	0%	\$32.66	\$32.95	\$0.29	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	\$109.67	\$116.69	\$7.02	6.40%	\$97.04	\$97.04	\$0.00	0%	\$206.71	\$213.73	\$7.02	3.40%	
350	\$118.20	\$125.93	\$7.73	6.54%	\$113.21	\$113.21	\$0.00	0%	\$231.41	\$239.14	\$7.73	3.34%	
400	\$126.72	\$135.17	\$8.44	6.66%	\$129.38	\$129.38	\$0.00	0%	\$256.11	\$264.55	\$8.44	3.30%	
500	\$143.78	\$153.64	\$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	\$2,264.19	\$0.00	0%	\$3,279.37	\$3,362.33	\$82.96	2.53%	
8,000	\$1,067.17	\$1,154.74	\$87.56	8.21%	\$2,587.64	\$2,587.64	\$0.00	0%	\$3,654.82	\$3,742.38	\$87.56	2.40%	
9,000	\$1,119.16	\$1,211.33	\$92.16	8.24%	\$2,911.10	\$2,911.10	\$0.00	0%	\$4,030.26	\$4,122.42	\$92.16	2.29%	
10,000	\$1,171.15	\$1,267.92	\$96.76	8.26%	\$3,234.55	\$3,234.55	\$0.00	0%	\$4,405.71	\$4,502.47	\$96.76	2.20%	
FY19					FY20						Difference	Change	
First 3 or Less				\$24.27				\$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			\$0.01	8.14%	
Over 5,000 Therms per Therm				\$0.055950				\$0.060550			\$0.00	8.22%	
Delivery Service Adjustment													
Research & Development Surcharge				\$0.000000				\$0.000000			\$0.00	0.00%	
Net Revenue Sharing Surcharge				-\$0.000570				-\$0.000570			\$0.00	0.00%	
Revenue Decoupling Mechanism				-\$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%	
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													
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 3 Large General Gas Supply
Rate Year One (FY 19) vs. Rate Year Two (FY 20)
Based on Oct 27, 2017 NYMEX

Therm Usage	Delivery				Commodity				Total				
	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						\$0.00		0.00%	
Over 5,000 Therms per Therm				\$0.093760						\$0.01		9.64%	
Delivery Service Adjustment													
Research & Development Surcharge				\$0.000000						\$0.00		0.00%	
Net Revenue Sharing Surcharge				-\$0.000570						\$0.00		0.00%	
Revenue Decoupling Mechanism				\$0.000000						\$0.00		0.00%	
Incremental State Assessment Surcharge				\$0.000000						\$0.00		0.00%	
System Benefits Charge				\$0.002910						\$0.00		0.00%	
Merchant Function Charge				\$0.008956						\$0.00		0.00%	
Monthly Cost of Gas				\$0.297530						\$0.00		0.00%	
Gross Receipts Tax													
Delivery				0.000000%						0.00%		0.00%	
Supply				0.000000%						0.00%		0.00%	

Niagara Mohawk Power Corporation d/b/a National Grid
Monthly Bill Comparison Table
SC 5 Firm Gas Transportation
Rate Year One (FY 19) vs. Rate Year Two (FY 20)
Based on Oct 27, 2017 NYMEX

Therm Usage	Delivery				
	FY19	FY20	Difference	Change	
100	\$555.06	\$587.52	\$32.46	5.85%	
500	\$584.84	\$618.79	\$33.94	5.80%	
1,000	\$622.07	\$657.87	\$35.80	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	\$6,131.34	\$6,441.68	\$310.34	5.06%	
80,000	\$6,503.59	\$6,832.48	\$328.89	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		FY20		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					
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%	0.00%

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

Therm Usage	Delivery				
	FY19	FY20	Difference	Change	
2,100	\$367.80	\$367.80	\$0.00	0.00%	
2,500	\$419.63	\$423.76	\$4.12	0.98%	
3,100	\$497.38	\$507.69	\$10.31	2.07%	
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%	
Average	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%	

FY19	FY20	Difference	Change	
First 2,100 or Less	\$361.27	\$361.27	\$0.00	0.00%
Over 2,100 Therms per Therm	\$0.126470	\$0.136780	\$0.01	8.15%
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%
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 8 Gas Transportation Service with Standby Sales
Rate Year One (FY 19) vs. Rate Year Two (FY 20)
Based on Oct 27, 2017 NYMEX

Therm Usage	Delivery				
	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%	
1,000	\$1,107.44	\$1,226.57	\$119.13	10.76%	
5,000	\$1,408.20	\$1,543.49	\$135.29	9.61%	
10,000	\$1,784.15	\$1,939.64	\$155.49	8.71%	
50,000	\$4,791.74	\$5,108.82	\$317.09	6.62%	
100,000	\$8,551.22	\$9,070.31	\$519.09	6.07%	
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%	
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%	
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%	
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

Therm Usage	Delivery				Commodity				Total				
	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	
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%	
Average	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%	
10,000	\$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%	
11,000	\$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%	
12,000	\$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%	
13,000	\$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%	
14,000	\$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%	
15,000	\$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%	
16,000	\$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%	
17,000	\$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%	
18,000	\$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%	
19,000	\$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%	
20,000	\$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%	
21,000	\$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%	
22,000	\$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%	
23,000	\$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%	
24,000	\$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 Less				\$148.27				\$148.27			\$0.00	0.00%	
Over 3 Therms per Therm				\$0.044900				\$0.044930			\$0.00	0.07%	
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%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.00	0.00%	
Merchant Function Charge				\$0.008756				\$0.008756			\$0.00	0.00%	
Monthly Cost of Gas				\$0.282550				\$0.282550			\$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 Therms for Winter)
Rate Year One (FY 19) vs. Rate Year Two (FY 20)

Therm Usage	Delivery				Commodity				Total				
	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	
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	\$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%	
<u>FY19</u>				<u>FY20</u>						<u>Difference</u>		<u>Change</u>	
First 3 or Less				\$148.27						\$148.27		\$0.00 0.00%	
Over 3 Therms per Therm				\$0.056880						\$0.056920		\$0.00 0.07%	
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%	
Incremental State Assessment Surcharge				\$0.000000						\$0.000000		\$0.00 0.00%	
Merchant Function Charge				\$0.008756						\$0.008756		\$0.00 0.00%	
Monthly Cost of Gas				\$0.282550						\$0.282550		\$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 One (FY 19) vs. Rate Year Two (FY 20)
Based on Oct 27, 2017 NYMEX

Therm Usage	Delivery				Commodity				Total			
	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	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%	\$0.87	\$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	\$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					FY20						Difference	Change
First 3 or Less				\$466.54					\$466.54		\$0.00	0.00%
Over 3 Therms per Therm				\$0.040010					\$0.040040		\$0.00	0.07%
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%
Incremental State Assessment Surcharge				\$0.000000					\$0.000000		\$0.00	0.00%
Merchant Function Charge				\$0.008756					\$0.008756		\$0.00	0.00%
Monthly Cost of Gas				\$0.282550					\$0.282550		\$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 Winter)
Rate Year One (FY 19) vs. Rate Year Two (FY 20)
Based on Oct 27, 2017 NYMEX

Therm Usage	Delivery				Commodity				Total			
	FY19	FY20	Difference	Change	FY19	FY20	Difference	Change	FY19	FY20	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%	\$0.87	\$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	\$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 Less				\$466.54				\$466.54			\$0.00	0.00%
Over 3 Therms per Therm				\$0.050680				\$0.050720			\$0.00	0.08%
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%
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.00	0.00%
Merchant Function Charge				\$0.008756				\$0.008756			\$0.00	0.00%
Monthly Cost of Gas				\$0.282550				\$0.282550			\$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 13 Distributed Generation - Residential
Rate Year One (FY 19) vs. Rate Year Two (FY 20)
Based on Oct 27, 2017 NYMEX

Therm Usage	Delivery				Commodity				Total					
	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					\$27.56			\$0.00	0.00%
Over 3 Therms per Therm					\$0.039140					\$0.039140			\$0.00	0.00%
Delivery Service Adjustment														
Research & Development Surcharge					\$0.000000					\$0.000000			\$0.00	0.00%
Net Revenue Sharing Surcharge					-\$0.000570					-\$0.000570			\$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%
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

Therm Usage	Delivery				Commodity				Total				
	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 Therm				\$0.48728				\$0.54788	\$0.06	12.44%			
Over 50 Therms per Therm				\$0.08074				\$0.09081	\$0.01	12.47%			
Delivery Service Adjustment													
Research & Development Surcharge				\$0.000000				\$0.000000	\$0.00	0.00%			
Net Revenue Sharing Surcharge				-\$0.000570				-\$0.000570	\$0.00	0.00%			
Revenue Decoupling Mechanism				\$0.002170				\$0.002170	\$0.00	0.00%			
Incremental State Assessment Surcharge				\$0.000000				\$0.000000	\$0.00	0.00%			
System Benefits Charge				\$0.004626				\$0.004626	\$0.00	0.00%			
Merchant Function Charge				\$0.020025				\$0.020025	\$0.000	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%			

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

Therm Usage	Delivery				Commodity				Total				
	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						\$0.00		0.00%	
Next 47 Therms per Therm				\$0.487280						\$0.06		12.44%	
Over 50 Therms per Therm				\$0.080740						\$0.01		12.47%	
Delivery Service Adjustment													
Research & Development Surcharge				\$0.000000						\$0.00		0.00%	
Net Revenue Sharing Surcharge				-\$0.000570						\$0.00		0.00%	
Revenue Decoupling Mechanism				\$0.002170						\$0.00		0.00%	
Incremental State Assessment Surcharge				\$0.000000						\$0.00		0.00%	
System Benefits Charge				\$0.004626						\$0.00		0.00%	
Merchant Function Charge				\$0.020025						\$0.00		0.00%	
Monthly Cost of Gas				\$0.312630						\$0.00		0.00%	
Gross Receipts Tax													
Delivery				2.040820%						0.00%		0.00%	
Supply				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

Therm Usage	Delivery				Commodity				Total				
	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 Therm				\$0.324320				\$0.347930			\$0.02	7.28%	
Next 4,720 Therms per Therm				\$0.188700				\$0.202410			\$0.01	7.27%	
Over 5,000 Therms per Therm				\$0.060550				\$0.064920			\$0.00	7.22%	
Delivery Service Adjustment													
Research & Development Surcharge				\$0.000000				\$0.000000			\$0.00	0.00%	
Net Revenue Sharing Surcharge				-\$0.000570				-\$0.000570			\$0.00	0.00%	
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				\$0.008978				\$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%	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

Therm Usage	Delivery				Commodity				Total				
	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	\$47.20	\$49.01	\$1.82	3.85%	\$25.52	\$25.52	\$0.00	0%	\$72.72	\$74.54	\$1.82	2.50%	
100	\$53.17	\$55.46	\$2.29	4.31%	\$31.90	\$31.90	\$0.00	0%	\$85.07	\$87.36	\$2.29	2.69%	
120	\$59.15	\$61.91	\$2.76	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%	\$122.14	\$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%	
4,500	\$795.35	\$859.75	\$64.40	8.10%	\$1,435.58	\$1,435.58	\$0.00	0%	\$2,230.93	\$2,295.33	\$64.40	2.89%	
5,000	\$876.92	\$948.17	\$71.25	8.13%	\$1,595.09	\$1,595.09	\$0.00	0%	\$2,472.01	\$2,543.26	\$71.25	2.88%	
5,500	\$894.41	\$967.85	\$73.44	8.21%	\$1,754.60	\$1,754.60	\$0.00	0%	\$2,649.01	\$2,722.44	\$73.44	2.77%	
6,000	\$911.90	\$987.52	\$75.62	8.29%	\$1,914.11	\$1,914.11	\$0.00	0%	\$2,826.00	\$2,901.63	\$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				\$24.27			\$0.00	0.00%	
Next 277 Therms per Therm				\$0.324320				\$0.347930			\$0.02	7.28%	
Next 4,720 Therms per Therm				\$0.188700				\$0.202410			\$0.01	7.27%	
Over 5,000 Therms per Therm				\$0.060550				\$0.064920			\$0.00	7.22%	
Delivery Service Adjustment													
Research & Development Surcharge				\$0.000000				\$0.000000			\$0.00	0.00%	
Net Revenue Sharing Surcharge				-\$0.000570				-\$0.000570			\$0.00	0.00%	
Revenue Decoupling Mechanism				-\$0.027910				-\$0.027910			\$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				\$0.008978				\$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%	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 Two (FY 20) vs. Rate Year Three (FY 21)
Based on Oct 27, 2017 NYMEX

Therm Usage	Delivery				Commodity				Total				
	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	\$24.26	\$24.26	\$0.00	0.00%	\$0.96	\$0.96	\$0.00	0%	\$25.22	\$25.22	\$0.00	0.00%	
10	\$26.50	\$26.67	\$0.17	0.62%	\$3.19	\$3.19	\$0.00	0%	\$29.69	\$29.86	\$0.17	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	5.96%	\$111.66	\$111.66	\$0.00	0%	\$237.59	\$245.09	\$7.50	3.16%	
400	\$135.17	\$143.35	\$8.19	6.06%	\$127.61	\$127.61	\$0.00	0%	\$262.77	\$270.96	\$8.19	3.11%	
500	\$153.64	\$163.20	\$9.56	6.22%	\$159.51	\$159.51	\$0.00	0%	\$313.15	\$322.71	\$9.56	3.05%	
600	\$172.11	\$183.04	\$10.93	6.35%	\$191.41	\$191.41	\$0.00	0%	\$363.52	\$374.45	\$10.93	3.01%	
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%			
Next 277 Therms per Therm				\$0.324320				\$0.347930	\$0.02	7.28%			
Next 4,720 Therms per Therm				\$0.188700				\$0.202410	\$0.01	7.27%			
Over 5,000 Therms per Therm				\$0.060550				\$0.064920	\$0.00	7.22%			
Delivery Service Adjustment													
Research & Development Surcharge				\$0.000000				\$0.000000	\$0.00	0.00%			
Net Revenue Sharing Surcharge				-\$0.000570				-\$0.000570	\$0.00	0.00%			
Revenue Decoupling Mechanism				-\$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%			
Merchant Function Charge				\$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%	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

Therm Usage	Delivery				Commodity				Total			
	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	\$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	\$6,575.65	\$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 Therm				\$0.102800				\$0.110960			\$0.01	7.94%
Delivery Service Adjustment												
Research & Development Surcharge				\$0.000000				\$0.000000			\$0.00	0.00%
Net Revenue Sharing Surcharge				-\$0.000570				-\$0.000570			\$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%
Merchant Function Charge				\$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%	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 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	0.00%
2,500		\$423.76	\$428.14	\$4.38	1.03%
3,100		\$507.69	\$518.64	\$10.95	2.16%
3,500		\$563.65	\$578.98	\$15.33	2.72%
4,100		\$647.58	\$669.48	\$21.90	3.38%
4,500		\$703.54	\$729.82	\$26.28	3.74%
5,100		\$787.47	\$820.32	\$32.85	4.17%
5,500		\$843.43	\$880.66	\$37.23	4.41%
6,100		\$927.36	\$971.16	\$43.80	4.72%
Average	7,610	\$1,138.59	\$1,198.93	\$60.33	5.30%
	7,700	\$1,151.18	\$1,212.50	\$61.32	5.33%
	8,000	\$1,193.15	\$1,257.75	\$64.61	5.41%
	8,100	\$1,207.14	\$1,272.84	\$65.70	5.44%
	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%
FY20		FY21		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%
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 8 Gas Transportation Service with Standby Sales
Rate Year Two (FY 20) vs. Rate Year Three (FY 21)
Based on Oct 27, 2017 NYMEX

Therm Usage	Delivery				
	FY20	FY21	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%	
400,000	\$31,489.21	\$33,233.28	\$1,744.07	5.54%	
450,000	\$35,225.70	\$37,169.77	\$1,944.07	5.52%	
500,000	\$38,962.18	\$41,106.25	\$2,144.07	5.50%	
550,000	\$42,202.66	\$44,519.74	\$2,317.07	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					
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 Two (FY 20) vs. Rate Year Three (FY 21)
Based on Oct 27, 2017 NYMEX

Therm Usage	Delivery				Commodity				Total				
	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	
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)	-0.49%	\$6,324.04	\$6,324.04	\$0.00	0.00%	\$7,448.10	\$7,442.60	(\$5.50)	-0.07%	
23,000	\$1,168.42	\$1,162.67	(\$5.75)	-0.49%	\$6,611.50	\$6,611.50	\$0.00	0.00%	\$7,779.91	\$7,774.16	(\$5.75)	-0.07%	
24,000	\$1,212.78	\$1,206.78	(\$6.00)	-0.49%	\$6,898.95	\$6,898.95	\$0.00	0.00%	\$8,111.73	\$8,105.73	(\$6.00)	-0.07%	
FY20					FY21						Difference	Change	
First 3 or Less				\$148.27				\$148.27			\$0.00	0.00%	
Over 3 Therms per Therm				\$0.044930				\$0.044680			(\$0.00)	-0.56%	
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%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.00	0.00%	
Merchant Function Charge				\$0.008556				\$0.008556			\$0.00	0.00%	
Monthly Cost of Gas				\$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 Therms for Winter)
Rate Year Two (FY 20) vs. Rate Year Three (FY 21)

Therm Usage	Delivery				Commodity				Total				
	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	FY20	FY21	Difference	Change	
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	\$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%	
<u>FY20</u>				<u>FY21</u>						<u>Difference</u>		<u>Change</u>	
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 Service Adjustment													
Net Revenue Sharing				-\$0.000570				-\$0.000570		\$0.00		0.00%	
Research & Development Surcharge				\$0.000000				\$0.000000		\$0.00		0.00%	
Incremental State Assessment Surcharge				\$0.000000				\$0.000000		\$0.00		0.00%	
Merchant Function Charge				\$0.008556				\$0.008556		\$0.00		0.00%	
Monthly Cost of Gas				\$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

Therm Usage	Delivery				Commodity				Total			
	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	\$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%
Average	\$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%
FY20					FY21						Difference	Change
First 3 or Less				\$466.54				\$466.54			\$0.00	0.00%
Over 3 Therms per Therm				\$0.040040				\$0.039820			(\$0.00)	-0.55%
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%
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.00	0.00%
Merchant Function Charge				\$0.008556				\$0.008556			\$0.00	0.00%
Monthly Cost of Gas				\$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 Winter)
Rate Year Two (FY 20) vs. Rate Year Three (FY 21)
Based on Oct 27, 2017 NYMEX

Therm Usage	Delivery				Commodity				Total			
	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	\$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	\$2,723.13	\$2,710.54	(\$12.60)	-0.46%	\$12,935.54	\$12,935.54	\$0.00	0.00%	\$15,658.67	\$15,646.07	(\$12.60)	-0.08%
50,000	\$2,973.88	\$2,959.89	(\$14.00)	-0.47%	\$14,372.82	\$14,372.82	\$0.00	0.00%	\$17,346.70	\$17,332.70	(\$14.00)	-0.08%
55,000	\$3,224.63	\$3,209.24	(\$15.40)	-0.48%	\$15,810.10	\$15,810.10	\$0.00	0.00%	\$19,034.73	\$19,019.34	(\$15.40)	-0.08%
60,000	\$3,475.38	\$3,458.59	(\$16.80)	-0.48%	\$17,247.38	\$17,247.38	\$0.00	0.00%	\$20,722.77	\$20,705.97	(\$16.80)	-0.08%
65,000	\$3,726.13	\$3,707.94	(\$18.20)	-0.49%	\$18,684.66	\$18,684.66	\$0.00	0.00%	\$22,410.80	\$22,392.60	(\$18.20)	-0.08%
70,000	\$3,976.88	\$3,957.29	(\$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%	\$21,559.23	\$21,559.23	\$0.00	0.00%	\$25,786.86	\$25,765.86	(\$21.00)	-0.08%
FY20					FY21						Difference	Change
First 3 or Less				\$466.54				\$466.54			\$0.00	0.00%
Over 3 Therms per Therm				\$0.050720				\$0.050440			(\$0.00)	-0.55%
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%
Incremental State Assessment Surcharge				\$0.000000				\$0.000000			\$0.00	0.00%
Merchant Function Charge				\$0.008556				\$0.008556			\$0.00	0.00%
Monthly Cost of Gas				\$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 13 Distributed Generation - Residential
Rate Year Two (FY 20) vs. Rate Year Three (FY 21)
Based on Oct 27, 2017 NYMEX

Therm Usage	Delivery				Commodity				Total				
	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 per Therm					\$0.039140					\$0.039140	\$0.00	0.00%	
Delivery Service Adjustment													
Research & Development Surcharge					\$0.000000					\$0.000000	\$0.00	0.00%	
Net Revenue Sharing Surcharge					-\$0.000570					-\$0.000570	\$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%	
Merchant Function Charge					\$0.009053					\$0.009053	\$0.00	0.00%	
Monthly Cost of Gas					\$0.315220					\$0.315220	\$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
Merchant Function Charge
Illustrative Example - Stub Period Calculation for Annual Reconciliation Effective Jan 1, 2019

A. Gas Supply Procurement Charge:

<u>Line</u>	<u>Annual Expense Target</u>	<u>\$</u>
1	Case 12-G-0202 Target (April 1, 2017 to March 31, 2018)	\$ 1,172,739
2	Actual Recoveries	<u>\$ 1,000,000</u>
3	Resulting Over Recovery (-) / Under Recovery (+)	\$ 172,739
4	5 months of Rate Year 1 Target (April 1, 2018 to August 31, 2018)	\$ 317,959
5	Actual Recoveries	<u>\$ 200,000</u>
6	Resulting Over Recovery (-) / Under Recovery (+)	\$ 117,959
	<u>Annual Reconciliation Effective Jan 1, 2019 - December 31, 2019</u>	<u>\$</u>
7	Case 12-G-0202 Under Recovery (line 3)	\$ 172,739
8	5 months of Rate Year 1 Under Recovery (line 6)	<u>\$ 117,959</u>
9	Total Annual Reconciliation	\$ 290,698
10	Forecasted SC 1, 2, 3 12 and 13 Sales Forecast	564,110,906 Therms
	Annual Reconciliation effective January 1, 2019 - December 31, 2019 = line 9 / line 10	0.00052 \$/Therm
	(surcharges/credits shall include simple interest at the Commission's other customer capital rate)	

B. Commodity Related Credit and Collection Charge:

<u>Annual Expense Target</u>	<u>Total</u>	<u>Residential</u>	<u>Non-Residential</u>	
11 Case 12-G-0202 Target (April 1, 2017 to March 31, 2018)	\$ 2,746,717	\$ 2,600,935	\$ 145,782	
12 Actual Recoveries	<u>\$ 2,640,000</u>	<u>\$ 2,500,000</u>	<u>\$ 140,000</u>	
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	<u>\$ 213,000</u>	<u>\$ 200,000</u>	<u>\$ 13,000</u>	
16 Resulting Over Recovery (-) / Under Recovery (+)	\$ 49,017	\$ 48,696	\$ 321	
	<u>Annual Reconciliation Effective Jan 1, 2019 - December 31, 2019</u>	<u>\$</u>		
17 Case 12-G-0202 Under Recovery (line 13)	\$ 106,717	\$ 100,935	\$ 5,782	
18 5 months of Rate Year 1 Under Recovery (line 16)	<u>\$ 49,017</u>	<u>\$ 48,696</u>	<u>\$ 321</u>	
19 Total Annual Reconciliation	\$ 155,734	\$ 149,631	\$ 6,103	
20 Sales Forecast : Jan 1, 2019 - Dec 31, 2019				
21 i) Sales		442,654,259	121,456,646	Therms
22 ii) Total Daily & Monthly Balancing Transportation		88,727,028	504,898,358	Therms
- Percentage of Annual Deliveries for ESCOs in POR Program		98%	81%	
- Amt of Daily & Monthly Balancing Transportation in POR Program		<u>86,745,061</u>	<u>407,943,019</u>	
23 iii) Total Therms		529,399,320	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

<u>Line</u>	<u>Annual Expense Target</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 Inventory Balance	Estimated Wtd Avg Storage Inventory Cost (based on 02/24/2017 NYMEX)	Estimated Storage Inventory Costs
	(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	\$0
	96,283,101		\$212,109,236

a)	Estimated Monthly Average Storage Inventory Costs (12 Months)	\$17,675,770
b)	Pre-Tax Weighted Average Cost of Capital	8.07%
c)	Estimated Return Requirement on Gas Storage Inventory (a x b) For Five Months Target (line 4a / 5 months)	\$1,426,435 \$285,287

5	Actual Recoveries	\$	300,000
6	Resulting Over Recovery (-) / Under Recovery (+)	\$	(14,713)

Annual Reconciliation Effective Jan 1, 2019 - December 31, 2019

	\$	
7	April 1, 2017 Under Recovery (line 3)	\$ 276,464
8	5 months of Rate Year 1 Under Recovery (line 6)	\$ (14,713)
9	Total Annual Reconciliation	\$ 261,751
10	Forecasted SC 1, 2, 3 12 and 13 Sales Forecast	564,110,906 Therms
	Annual Reconciliation effective January 1, 2019 - December 31, 2019 = line 9 / line 10	0.00046 \$/Therm
	(surcharges/credits shall include simple interest at the Commission's other customer capital rate)	

Niagara Mohawk Power Corporation d/b/a National Grid
Total Annual Merchant Function Charges
Fiscal Year target to MCG Year Target

Rate Year 1 : MCG Year :
April 1, 2018 - September 1, 2018 -
March 31, 2019 August 31, 2019

Applicable to Customers taking Sales Service under Service Classification Nos. 1, 2, 3, 12 and 13

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	<u>\$1,910,571</u>	<u>\$1,903,024</u>
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, 13MB, 5, 7 and 8

1) Commodity Related Credit and Collection Charge	\$45,088	\$45,130
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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	<u>\$1,910,571</u>	<u>\$1,903,024</u>
Total	\$10,452,940	\$10,329,366

Notes

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

MCG Year	2019			2020			2021			2022		
	Fiscal Year:			Fiscal Year:			Fiscal Year:			Fiscal Year:		
	Total Annual Target / 1:	Billed Sales	Monthly Allocation	Total Annual Target:	Billed Sales	Monthly Allocation	Total Annual Target:	Billed Sales	Monthly Allocation	Total Annual Target:	Billed Sales	Monthly Allocation
	SC 1, 2, 3, 12 and 13	Monthly Therms	%	SC 1, 2, 3, 12 and 13	Monthly Therms	%	SC 1, 2, 3, 12 and 13	Monthly Therms	%	SC 1, 2, 3, 12 and 13	Monthly Therms	%
	60,572,911	61,711,005	11%	62,705,941	63,902,330	11%	64,900,000	66,100,000	11%	67,100,000	68,300,000	11%
Apr-2018	10,031,740	32,431,869	6%	33,073,226	33,073,226	6%	33,073,226	33,073,226	6%	33,073,226	33,073,226	6%
May-2018	18,604,456	16,494,660	3%	16,814,402	16,814,402	3%	16,814,402	16,814,402	3%	16,814,402	16,814,402	3%
Jun-2018	41,312,182	10,124,126	2%	10,290,918	10,290,918	2%	10,290,918	10,290,918	2%	10,290,918	10,290,918	2%
Jul-2018	98,730,542	9,774,007	2%	10,042,098	10,042,098	2%	10,042,098	10,042,098	2%	10,042,098	10,042,098	2%
Aug-2018	101,983,647	10,178,901	2%	10,329,863	10,329,863	2%	10,329,863	10,329,863	2%	10,329,863	10,329,863	2%
Sep-2018	88,300,130	18,907,528	3%	19,226,476	19,226,476	3%	19,226,476	19,226,476	3%	19,226,476	19,226,476	3%
Oct-2018	98,730,542	41,826,377	7%	42,396,486	42,396,486	7%	42,396,486	42,396,486	7%	42,396,486	42,396,486	7%
Nov-2018	41,312,182	73,648,115	13%	75,053,613	75,053,613	13%	75,053,613	75,053,613	13%	75,053,613	75,053,613	13%
Dec-2018	72,407,108	100,409,554	18%	102,353,974	102,353,974	18%	102,353,974	102,353,974	18%	102,353,974	102,353,974	18%
Jan-2019	101,983,647	101,340,441	18%	105,669,624	105,669,624	18%	105,669,624	105,669,624	18%	105,669,624	105,669,624	18%
Feb-2019	88,300,130	92,011,399	16%	91,512,194	91,512,194	16%	91,512,194	91,512,194	16%	91,512,194	91,512,194	16%
Mar-2019	559,305,488	568,857,982	100%	579,468,813	579,468,813	100%	579,468,813	579,468,813	100%	579,468,813	579,468,813	100%
Total	559,305,488	568,857,982	100%	579,468,813	579,468,813	100%	579,468,813	579,468,813	100%	579,468,813	579,468,813	100%
	10,031,740	10,178,901		10,329,863	10,329,863		10,329,863	10,329,863		10,329,863	10,329,863	
Sep-2019	18,604,456	18,907,528		19,226,476	19,226,476		19,226,476	19,226,476		19,226,476	19,226,476	
Oct-2019	41,312,182	41,826,377		42,396,486	42,396,486		42,396,486	42,396,486		42,396,486	42,396,486	
Nov-2019	98,730,542	73,648,115		75,053,613	75,053,613		75,053,613	75,053,613		75,053,613	75,053,613	
Dec-2019	101,983,647	100,409,554		102,353,974	102,353,974		102,353,974	102,353,974		102,353,974	102,353,974	
Jan-2020	88,300,130	101,340,441		105,669,624	105,669,624		105,669,624	105,669,624		105,669,624	105,669,624	
Feb-2020	98,730,542	92,011,399		91,512,194	91,512,194		91,512,194	91,512,194		91,512,194	91,512,194	
Mar-2020	561,905,472	568,857,982		579,468,813	579,468,813		579,468,813	579,468,813		579,468,813	579,468,813	
Apr-2020	61,711,005	62,705,941		63,902,330	63,902,330		63,902,330	63,902,330		63,902,330	63,902,330	
May-2020	31,767,586	32,431,869		33,073,226	33,073,226		33,073,226	33,073,226		33,073,226	33,073,226	
Jun-2020	16,152,847	16,494,660		16,814,402	16,814,402		16,814,402	16,814,402		16,814,402	16,814,402	
Jul-2020	9,940,593	10,124,126		10,290,918	10,290,918		10,290,918	10,290,918		10,290,918	10,290,918	
Aug-2020	9,501,746	9,774,007		10,042,098	10,042,098		10,042,098	10,042,098		10,042,098	10,042,098	
Sep-2020	10,031,740	10,178,901		10,329,863	10,329,863		10,329,863	10,329,863		10,329,863	10,329,863	
Oct-2020	18,604,456	18,907,528		19,226,476	19,226,476		19,226,476	19,226,476		19,226,476	19,226,476	
Nov-2020	41,312,182	41,826,377		42,396,486	42,396,486		42,396,486	42,396,486		42,396,486	42,396,486	
Dec-2020	72,407,108	73,648,115		75,053,613	75,053,613		75,053,613	75,053,613		75,053,613	75,053,613	
Jan-2021	98,730,542	100,409,554		102,353,974	102,353,974		102,353,974	102,353,974		102,353,974	102,353,974	
Feb-2021	101,983,647	101,340,441		105,669,624	105,669,624		105,669,624	105,669,624		105,669,624	105,669,624	
Mar-2021	88,300,130	92,011,399		91,512,194	91,512,194		91,512,194	91,512,194		91,512,194	91,512,194	
Apr-2021	60,572,911	61,711,005		62,705,941	62,705,941		62,705,941	62,705,941		62,705,941	62,705,941	
May-2021	31,767,586	32,431,869		33,073,226	33,073,226		33,073,226	33,073,226		33,073,226	33,073,226	
Jun-2021	16,152,847	16,494,660		16,814,402	16,814,402		16,814,402	16,814,402		16,814,402	16,814,402	
Jul-2021	9,940,593	10,124,126		10,290,918	10,290,918		10,290,918	10,290,918		10,290,918	10,290,918	
Aug-2021	9,501,746	9,774,007		10,042,098	10,042,098		10,042,098	10,042,098		10,042,098	10,042,098	
Sep-2021	10,031,740	10,178,901		10,329,863	10,329,863		10,329,863	10,329,863		10,329,863	10,329,863	
Oct-2021	18,604,456	18,907,528		19,226,476	19,226,476		19,226,476	19,226,476		19,226,476	19,226,476	
Nov-2021	41,312,182	41,826,377		42,396,486	42,396,486		42,396,486	42,396,486		42,396,486	42,396,486	
Dec-2021	72,407,108	73,648,115		75,053,613	75,053,613		75,053,613	75,053,613		75,053,613	75,053,613	
Jan-2022	98,730,542	100,409,554		102,353,974	102,353,974		102,353,974	102,353,974		102,353,974	102,353,974	
Feb-2022	101,983,647	101,340,441		105,669,624	105,669,624		105,669,624	105,669,624		105,669,624	105,669,624	
Mar-2022	88,300,130	92,011,399		91,512,194	91,512,194		91,512,194	91,512,194		91,512,194	91,512,194	
Apr-2022	60,572,911	61,711,005		62,705,941	62,705,941		62,705,941	62,705,941		62,705,941	62,705,941	
May-2022	31,767,586	32,431,869		33,073,226	33,073,226		33,073,226	33,073,226		33,073,226	33,073,226	
Jun-2022	16,152,847	16,494,660		16,814,402	16,814,402		16,814,402	16,814,402		16,814,402	16,814,402	
Jul-2022	9,940,593	10,124,126		10,290,918	10,290,918		10,290,918	10,290,918		10,290,918	10,290,918	
Aug-2022	9,501,746	9,774,007		10,042,098	10,042,098		10,042,098	10,042,098		10,042,098	10,042,098	
Sep-2022	10,031,740	10,178,901		10,329,863	10,329,863		10,329,863	10,329,863		10,329,863	10,329,863	
Oct-2022	18,604,456	18,907,528		19,226,476	19,226,476		19,226,476	19,226,476		19,226,476	19,226,476	
Nov-2022	41,312,182	41,826,377		42,396,486	42,396,486		42,396,486	42,396,486		42,396,486	42,396,486	
Dec-2022	72,407,108	73,648,115		75,053,613	75,053,613		75,053,613	75,053,613		75,053,613	75,053,613	
Jan-2023	98,730,542	100,409,554		102,353,974	102,353,974		102,353,974	102,353,974		102,353,974	102,353,974	
Feb-2023	101,983,647	101,340,441		105,669,624	105,669,624		105,669,624	105,669,624		105,669,624	105,669,624	
Mar-2023	88,300,130	92,011,399		91,512,194	91,512,194		91,512,194	91,512,194		91,512,194	91,512,194	
Apr-2023	60,572,911	61,711,005		62,705,941	62,705,941		62,705,941	62,705,941		62,705,941	62,705,941	
May-2023	31,767,586	32,431,869		33,073,226	33,073,226		33,073,226	33,073,226		33,073,226	33,073,226	
Jun-2023	16,152,847	16,494,660		16,814,402	16,814,402		16,814,402	16,814,402		16,814,402	16,814,402	
Jul-2023	9,940,593	10,124,126		10,290,918	10,290,918		10,290,918	10,290,918		10,290,918	10,290,918	
Aug-2023	9,501,746	9,774,007		10,042,098	10,042,098		10,042,098	10,042,098		10,042,098	10,042,098	
Sep-2023	10,031,740	10,178,901		10,329,863	10,329,863		10,329,863	10,329,863		10,329,863	10,329,863	
Oct-2023	18,604,456	18,907,528		19,226,476	19,226,476		19,226,476	19,226,476		19,226,476	19,226,476	
Nov-2023	41,312,182	41,826,377		42,396,486	42,396,486		42,396,486	42,396,486		42,396,486	42,396,486	
Dec-2023	72,407,108	73,648,115		75,053,613	75,053,613		75,053,613	75,053,613		75,053,613	75,053,613	
Jan-2024	98,730,542	100,409,554		102,353,974	102,353,974		102,353,974	102,353,974		102,353,974	102,353,974	
Feb-2024	101,983,647	101,340,441		105,669,624	105,669,624		105,669,62					

Niagara Mohawk Power Corporation db/a National Grid
Total Annual Merchant Function Charges
Annual Expense Target in MCG Year
Commodity Related Credit and Collection Charge - Residential

MCG Year	2018			2019			2020			2021			2022		
	Monthly Therms	%	Monthly Allocation \$	Monthly Therms	%	Monthly Allocation \$	Monthly Therms	%	Monthly Allocation \$	Monthly Therms	%	Monthly Allocation \$	Monthly Therms	%	Monthly Allocation \$
Apr-2018	57,670,874	11%	\$118,430	Apr-2019	58,070,153	11%	\$118,700	Apr-2020	58,427,551	11%	\$118,658	Apr-2021	58,781,652	11%	\$118,758
May-2018	30,051,945	6%	\$61,713	May-2019	30,220,474	6%	\$61,773	May-2020	30,370,698	6%	\$61,678	May-2021	30,511,623	6%	\$61,643
Jun-2018	15,173,865	3%	\$31,160	Jun-2019	15,222,025	3%	\$31,115	Jun-2020	15,260,352	3%	\$30,992	Jun-2021	15,294,250	3%	\$30,899
Jul-2018	9,235,647	2%	\$18,966	Jul-2019	9,190,442	2%	\$18,786	Jul-2020	9,137,756	2%	\$18,557	Jul-2021	9,081,552	2%	\$18,348
Aug-2018	8,972,903	2%	\$18,426	Aug-2019	9,048,889	2%	\$18,497	Aug-2020	9,119,871	2%	\$18,521	Aug-2021	9,189,653	2%	\$18,566
Sep-2018	9,034,208	2%	\$18,552	Sep-2019	8,995,388	2%	\$18,387	Sep-2020	8,950,454	2%	\$18,177	Sep-2021	8,902,853	2%	\$17,987
Oct-2018	15,667,057	3%	\$32,173	Oct-2019	15,713,487	3%	\$32,120	Oct-2020	15,751,482	3%	\$31,989	Oct-2021	15,787,049	3%	\$31,895
Nov-2018	36,936,990	7%	\$75,852	Nov-2019	36,944,395	7%	\$75,518	Nov-2020	36,931,302	7%	\$75,002	Nov-2021	36,909,919	7%	\$74,570
Dec-2018	68,514,846	13%	\$140,699	Dec-2019	68,981,977	13%	\$141,005	Dec-2020	69,424,572	13%	\$140,991	Dec-2021	69,861,234	13%	\$141,142
Jan-2019	94,963,970	18%	\$195,013	Jan-2020	95,633,516	18%	\$195,483	Jan-2021	96,277,290	18%	\$195,525	Jan-2022	96,912,606	18%	\$195,795
Feb-2019	96,667,352	18%	\$198,511	Feb-2020	94,579,802	18%	\$193,329	Feb-2021	98,006,532	18%	\$199,037	Feb-2022	98,657,577	18%	\$199,320
Mar-2019	85,380,766	16%	\$175,334	Mar-2020	88,115,042	17%	\$180,115	Mar-2021	86,515,768	16%	\$175,701	Mar-2022	87,068,864	16%	\$175,907
Total	528,270,424	100%	\$1,084,829	Total	530,715,592	100%	\$1,084,829	Total	534,173,628	100%	\$1,084,829	Total	536,958,833	100%	\$1,084,829

MCG Year	2018			2019			2020			2021			2022		
	Monthly Therms	%	Monthly Allocation \$	Monthly Therms	%	Monthly Allocation \$	Monthly Therms	%	Monthly Allocation \$	Monthly Therms	%	Monthly Allocation \$	Monthly Therms	%	Monthly Allocation \$
Sep-2018	9,034,208		\$18,532	Sep-2019	8,995,388		\$18,387	Sep-2020	8,950,454		\$18,177	Sep-2021	8,902,853		\$17,987
Oct-2018	15,667,057		\$32,173	Oct-2019	15,713,487		\$32,120	Oct-2020	15,751,482		\$31,989	Oct-2021	15,787,049		\$31,895
Nov-2018	36,936,990		\$75,852	Nov-2019	36,944,395		\$75,518	Nov-2020	36,931,302		\$75,002	Nov-2021	36,909,919		\$74,570
Dec-2018	68,514,846		\$140,699	Dec-2019	68,981,977		\$141,005	Dec-2020	69,424,572		\$140,991	Dec-2021	69,861,234		\$141,142
Jan-2019	94,963,970		\$195,013	Jan-2020	95,633,516		\$195,483	Jan-2021	96,277,290		\$195,525	Jan-2022	96,912,606		\$195,795
Feb-2019	96,667,352		\$198,511	Feb-2020	94,579,802		\$193,329	Feb-2021	98,006,532		\$199,037	Feb-2022	98,657,577		\$199,320
Mar-2019	85,380,766		\$175,334	Mar-2020	88,115,042		\$180,115	Mar-2021	86,515,768		\$175,701	Mar-2022	87,068,864		\$175,907
Total	528,270,424	100%	\$1,084,829	Total	530,715,592	100%	\$1,084,829	Total	534,173,628	100%	\$1,084,829	Total	536,958,833	100%	\$1,084,829

Niagara Mohawk Power Corporation d/b/a National Grid
Total Annual Merchant Function Charges
Annual Expense Target in GAC Year
Commodity Related Credit and Collection Charge - Non Residential

Fiscal Year: Total Annual Target / 1:	2019		2020		2021		2022				
	\$45,088		\$45,088		\$45,088		\$45,088				
	Billed Sales and Transportation SC 2, 3, 5, 7, 8, 12		Billed Sales and Transportation SC 2, 3, 5, 7, 8, 12		Billed Sales and Transportation SC 2, 3, 5, 7, 8, 12		Billed Sales and Transportation SC 2, 3, 5, 7, 8, 12				
Monthly Therms and 13	%	Monthly Allocation \$	Monthly Therms and 13	%	Monthly Allocation \$	Monthly Therms and 13	%	Monthly Allocation \$			
Apr-2018	52,475,494	10%	\$4,509	Apr-2020	53,676,821	10%	\$4,511.7	Apr-2021	53,403,304	10%	\$4,527
May-2018	36,207,251	7%	\$3,111	May-2020	37,210,610	7%	\$3,127.7	May-2021	37,009,027	7%	\$3,137
Jun-2018	24,316,574	5%	\$2,089	Jun-2020	25,089,996	5%	\$2,108.9	Jun-2021	24,651,062	5%	\$2,089
Jul-2018	22,007,442	4%	\$1,891	Jul-2020	22,841,119	4%	\$1,906	Jul-2021	22,240,084	4%	\$1,885
Aug-2018	20,028,443	4%	\$1,721	Aug-2020	20,466,237	4%	\$1,735	Aug-2021	20,173,121	4%	\$1,710
Sep-2018	22,205,491	4%	\$1,908	Sep-2020	22,641,164	4%	\$1,919	Sep-2021	22,565,628	4%	\$1,913
Oct-2018	32,130,488	6%	\$2,761	Oct-2020	32,610,926	6%	\$2,764	Oct-2021	32,859,577	6%	\$2,785
Nov-2018	47,060,111	9%	\$4,044	Nov-2020	47,601,572	9%	\$4,035	Nov-2021	47,835,208	9%	\$4,055
Dec-2018	59,201,730	11%	\$5,087	Dec-2020	59,764,454	11%	\$5,066	Dec-2021	59,931,487	11%	\$5,080
Jan-2019	70,015,907	13%	\$6,016	Jan-2021	70,582,741	13%	\$6,016	Jan-2022	70,533,248	13%	\$5,979
Feb-2019	76,967,834	15%	\$6,613	Feb-2021	77,559,126	15%	\$6,574	Feb-2022	77,971,501	15%	\$6,609
Mar-2019	62,139,018	12%	\$5,339	Mar-2021	63,543,090	12%	\$5,386	Mar-2022	62,766,215	12%	\$5,320
Total	524,755,782	100%	\$45,088	Total	531,961,864	100%	\$45,088	Total	536,423,013	100%	\$45,088
GAC Year	Monthly Therms	%	Monthly Allocation	GAC Year	Monthly Therms	%	Monthly Allocation	GAC Year	Monthly Therms	%	Monthly Allocation
Sep-2018	22,205,491		\$1,908	Sep-2019	22,641,164		\$1,919	Sep-2020	23,000,224		\$1,933
Oct-2018	32,130,488		\$2,761	Oct-2019	32,610,926		\$2,764	Oct-2020	33,022,933		\$2,776
Nov-2018	47,060,111		\$4,044	Nov-2019	47,601,572		\$4,035	Nov-2020	48,078,451		\$4,041
Dec-2018	59,201,730		\$5,087	Dec-2019	59,764,454		\$5,066	Dec-2020	60,263,432		\$5,065
Jan-2019	70,015,907		\$6,016	Jan-2020	70,582,741		\$5,982	Jan-2021	71,095,379		\$5,976
Feb-2019	76,967,834		\$6,613	Feb-2020	77,559,126		\$6,574	Feb-2021	78,167,685		\$6,570
Mar-2019	62,139,018		\$5,339	Mar-2020	63,543,090		\$5,386	Mar-2021	63,164,897		\$5,309
Apr-2019	53,178,312		\$4,507	Apr-2020	53,676,821		\$4,512	Apr-2021	53,403,304		\$4,527
May-2019	36,207,251		\$3,111	May-2020	37,210,610		\$3,128	May-2021	37,009,027		\$3,137
Jun-2019	24,316,574		\$2,089	Jun-2020	25,089,996		\$2,109	Jun-2021	24,651,062		\$2,089
Jul-2019	22,007,442		\$1,906	Jul-2020	22,841,119		\$1,920	Jul-2021	22,240,084		\$1,885
Aug-2019	20,028,443		\$1,721	Aug-2020	20,466,237		\$1,749	Aug-2021	20,173,121		\$1,710
Total	527,379,368		\$45,130	Total	533,933,085		\$45,143	Total	534,269,599		\$45,019

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	\$	<u>1,391,056</u>
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 Breakdown		
		Total	Residential	Non-Residential
1)	Normalized Bad Debt Net Write-off/ 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	\$1,129,917		
	a) Allocate Using Normalized Bad Debt Net Write-off Percentage		\$1,084,829	\$45,088
	b) September 1, 2018 - August 31, 2019 Target /3		\$1,085,005	\$45,130
3)	Forecasted Deliveries - September 1, 2018 - August 31, 2019 (Therms)			
	a) SC 1, 2, 3, 12 and 13 Sales	561,211,749	440,912,780	120,298,969 Therms
	b) SC 1MB, 2MB, 12 DB, 12MB, 13MB, 5, 7 and 8	591,887,012	91,303,422	500,583,590 Therms
	c) Percentage of Annual Deliveries for ESCOs in POR Program		98%	81%
	d) Deliveries to SC 1MB, 2MB, 12 DB, 12MB, 13MB, 5, 7 and 8 by ESCOs in POR Program	493,720,718	89,263,904	404,456,813 Therms
4)	Total Therms (3a + 3d)	1,054,932,467	530,176,684	524,755,782 Therms
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		\$ 2,000,000	\$ 50,000
	b) Allowed Commodity Related Credit and Collection		\$ 1,085,005	\$ 45,130
	c) Resulting Over Recovery (-) / Under Recovery (+) = (6b - 6a)		\$ (914,995)	\$ (4,870)
	d) Sales Forecast - Jan 2020 - Dec 2020			
	SC 1, 2, 3, 12 and 13 sales	573,694,416	450,652,394	123,042,023 Therms
	Deliveries of ESCOs in POR that serve SC 1MB, 2MB, 12 DB, 12MB, 13MB, 5, 7, 8	593,611,021	82,901,850	510,709,171 Therms
	Percentage of Annual Deliveries for ESCOs in POR Program		98%	81%
	Deliveries to SC 1MB, 2MB, 12 DB, 12MB, 13MB, 5, 7 and 8 by ESCOs in POR Program	493,687,990	81,050,005	412,637,985 Therms
	e) Total Therms	1,067,382,406	531,702,398	535,680,008 Therms
	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 <u>Per Therm</u>	SC3 Large General <u>Per Therm</u>	SC12 Distributed Generation Non-Residential <u>Per Therm</u>	SC13 Distributed Generation Residential <u>Per Therm</u>
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

Niagara Mohawk Power Corporation db/a National Grid
Merchant Function Change
Proposed Commodity Related Uncollectible Charge

	Apr-2019	May-2019	Jun-2019	Jul-2019	Aug-2019	Sep-2019	Oct-2019	Nov-2019	Dec-2019	Jan-2020	Feb-2020	Mar-2020
1. GAC Forecast (\$/Therm)												
SCI Res	\$0.3058	\$0.2887	\$0.2996	\$0.2947	\$0.2918	\$0.2885	\$0.2826	\$0.2922	\$0.3036	\$0.3165	\$0.3188	\$0.3137
SC2 Res & Comm	\$0.3026	\$0.2856	\$0.2964	\$0.2915	\$0.2887	\$0.2854	\$0.2795	\$0.2891	\$0.3005	\$0.3134	\$0.3157	\$0.3106
SC2 Ind	\$0.3026	\$0.2856	\$0.2964	\$0.2915	\$0.2887	\$0.2854	\$0.2795	\$0.2891	\$0.3005	\$0.3134	\$0.3157	\$0.3106
SC3 LG Comm & Ind	\$0.2885	\$0.2714	\$0.2823	\$0.2774	\$0.2745	\$0.2715	\$0.2656	\$0.2752	\$0.2865	\$0.2995	\$0.3018	\$0.2966
SC12 DG	\$0.2649	\$0.2478	\$0.2587	\$0.2538	\$0.2510	\$0.2483	\$0.2424	\$0.2520	\$0.2633	\$0.2763	\$0.2786	\$0.2734
SC13 Res DG	\$0.3066	\$0.2895	\$0.3004	\$0.2955	\$0.2926	\$0.2893	\$0.2834	\$0.2930	\$0.3043	\$0.3173	\$0.3196	\$0.3144
2. Uncollectible % Rates												
SCI 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 G&E												
SCI Res	\$0.0098	\$0.0092	\$0.0096	\$0.0094	\$0.0093	\$0.0092	\$0.0090	\$0.0094	\$0.0097	\$0.0101	\$0.0102	\$0.0100
SC2 Res & Comm	\$0.0009	\$0.0009	\$0.0009	\$0.0009	\$0.0009	\$0.0009	\$0.0008	\$0.0009	\$0.0009	\$0.0009	\$0.0010	\$0.0009
SC2 Ind	\$0.0009	\$0.0009	\$0.0009	\$0.0009	\$0.0009	\$0.0009	\$0.0008	\$0.0009	\$0.0009	\$0.0009	\$0.0010	\$0.0009
SC3 LG Comm & Ind	\$0.0009	\$0.0008	\$0.0009	\$0.0008	\$0.0008	\$0.0008	\$0.0008	\$0.0008	\$0.0008	\$0.0008	\$0.0009	\$0.0009
SC12 DG	\$0.0008	\$0.0007	\$0.0008	\$0.0008	\$0.0008	\$0.0007	\$0.0007	\$0.0008	\$0.0008	\$0.0008	\$0.0008	\$0.0008
SC13 Res DG	\$0.0009	\$0.0009	\$0.0009	\$0.0009	\$0.0009	\$0.0009	\$0.0009	\$0.0009	\$0.0009	\$0.0010	\$0.0010	\$0.0009
4. Uncollectible Expenses Associated with G&E Volumes (Therms)												
SCI Res	48,497,594	25,195,656	12,710,468	7,703,546	7,604,451	7,589,275	13,216,714	31,098,794	58,134,756	80,651,675	79,761,433	74,397,962
SC2 Res & Comm	12,045,379	6,332,219	2,990,466	1,953,542	1,818,125	2,186,791	4,864,083	9,716,571	14,260,512	18,319,753	20,026,359	16,243,706
SC2 Ind	156,832	83,739	47,179	42,570	29,658	37,930	67,060	127,266	188,745	245,657	270,925	218,270
SC3 LG Comm & Ind	1,009,812	819,158	745,603	422,679	320,211	363,323	758,041	882,057	1,062,097	1,190,272	1,279,657	1,149,696
SC12 DG	988	915	887	1,725	1,508	1,526	1,345	1,438	1,524	1,518	1,390	1,148
SC13 Res DG	401	183	56	64	53	57	86	251	481	680	677	618
Total	61,711,005	32,431,869	16,494,660	10,124,126	9,774,007	10,178,901	18,907,528	41,826,377	73,648,115	100,409,554	101,340,441	92,011,399
5. Total Dollars = (4 X 3)												
SCI Res	\$474,306	\$232,808	\$121,893	\$72,644	\$71,026	\$70,049	\$119,479	\$290,774	\$564,488	\$817,001	\$813,567	\$746,956
SC2 Res & Comm	\$10,961	\$5,446	\$2,662	\$1,700	\$1,582	\$1,881	\$4,086	\$8,453	\$12,834	\$17,221	\$19,025	\$15,107
SC2 Ind	\$143	\$72	\$42	\$37	\$26	\$33	\$56	\$111	\$170	\$231	\$257	\$203
SC3 LG Comm & Ind	\$879	\$664	\$634	\$351	\$263	\$294	\$606	\$732	\$913	\$1,071	\$1,164	\$1,023
SC12 DG	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
SC13 Res DG	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$486,290	\$238,990	\$125,231	\$74,733	\$72,897	\$72,258	\$124,229	\$300,071	\$578,408	\$835,526	\$834,015	\$763,290
FY Total (Apr - Mar)	\$ 4,583,001											
MCG Year Total (Sept - Aug)	\$4,505,939											

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 <u>Per Therm</u>	SC2 Residential, Commercial <u>Per Therm</u>	SC2 Industrial <u>Per Therm</u>	SC3 Large General <u>Per Therm</u>	SC12 Distributed Generation Non-Residential <u>Per Therm</u>	SC13 Distributed Generation Residential <u>Per Therm</u>
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 /1	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

Notes:

1/ Per Revenue Requirements Panel (RRP-7, Schedule 5, Page 2)

2/ Appendix 1

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

	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. MCG 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	\$ 0.2917	\$ 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	\$ 0.2889	\$ 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. Lead Lag Rates

SC1 Res	13.31%
SC2 Res & Comm	13.31%
SC2 Ind	13.31%
SC3 LG Comm & Ind	13.31%
SC12 DG	13.31%
SC13 Res DG	13.31%

3. Pre-Tax Weighted Average Cost of Capital

SC1 Res	8.07%
SC2 Res & Comm	8.07%
SC2 Ind	8.07%
SC3 LG Comm & Ind	8.07%
SC12 DG	8.07%
SC13 Res DG	8.07%

4. Return Requirement on Gas Working Capital (\$/therm) = (1 X 2 X 3)

SC1 Res	\$ 0.0033	\$ 0.0033	\$ 0.0033	\$ 0.0033	\$ 0.0034	\$ 0.0033	\$ 0.0032	\$ 0.0034	\$ 0.0034	\$ 0.0035	\$ 0.0035	\$ 0.0035
SC2 Res & Comm	\$ 0.0033	\$ 0.0032	\$ 0.0033	\$ 0.0033	\$ 0.0033	\$ 0.0033	\$ 0.0032	\$ 0.0033	\$ 0.0033	\$ 0.0035	\$ 0.0035	\$ 0.0035
SC2 Ind	\$ 0.0033	\$ 0.0032	\$ 0.0033	\$ 0.0033	\$ 0.0033	\$ 0.0033	\$ 0.0032	\$ 0.0033	\$ 0.0033	\$ 0.0035	\$ 0.0035	\$ 0.0035
SC3 LG Comm & Ind	\$ 0.0031	\$ 0.0031	\$ 0.0031	\$ 0.0031	\$ 0.0032	\$ 0.0032	\$ 0.0030	\$ 0.0032	\$ 0.0032	\$ 0.0033	\$ 0.0034	\$ 0.0033
SC12 DG	\$ 0.0029	\$ 0.0028	\$ 0.0029	\$ 0.0029	\$ 0.0029	\$ 0.0029	\$ 0.0028	\$ 0.0029	\$ 0.0029	\$ 0.0031	\$ 0.0031	\$ 0.0031
SC13 Res DG	\$ 0.0033	\$ 0.0033	\$ 0.0033	\$ 0.0033	\$ 0.0034	\$ 0.0034	\$ 0.0032	\$ 0.0034	\$ 0.0034	\$ 0.0035	\$ 0.0036	\$ 0.0035

5. 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	988	915	887	1,479	1,293	1,308	1,324	1,301	1,306	1,192	1,192	984
SC13 Res DG	401	184	56	64	53	57	87	252	482	681	697	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

6. Total Return Requirement on Gas Working Capital = (4 X 5)

SC1 Res	\$ 157,970	\$ 80,720	\$ 41,565	\$ 25,322	\$ 25,037	\$ 25,148	\$ 41,909	\$ 103,493	\$ 192,236	\$ 277,733	\$ 285,130	\$ 248,598
SC2 Res & Comm	\$ 38,914	\$ 19,998	\$ 9,537	\$ 6,148	\$ 5,804	\$ 6,997	\$ 15,172	\$ 31,935	\$ 47,105	\$ 62,990	\$ 69,743	\$ 54,392
SC2 Ind	\$ 501	\$ 257	\$ 141	\$ 127	\$ 90	\$ 202	\$ 411	\$ 839	\$ 1,113	\$ 1,489	\$ 1,617	\$ 1,254
SC3 LG Comm & Ind	\$ 3,161	\$ 2,496	\$ 2,286	\$ 1,267	\$ 974	\$ 1,113	\$ 2,282	\$ 4,009	\$ 3,425	\$ 4,009	\$ 4,366	\$ 3,754
SC12 DG	\$ 3	\$ 3	\$ 3	\$ 4	\$ 4	\$ 4	\$ 4	\$ 4	\$ 4	\$ 4	\$ 4	\$ 3
SC13 Res DG	\$ 1	\$ 1	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1	\$ 2	\$ 2	\$ 2	\$ 2
Total	\$ 200,550	\$ 103,475	\$ 53,533	\$ 32,868	\$ 31,909	\$ 33,378	\$ 59,569	\$ 138,664	\$ 243,389	\$ 345,578	\$ 360,184	\$ 307,473
FY Total												\$ 1,910,571
MCG Year Total (Sept - Aug)												\$ 1,910,571

Niagara Mohawk Power Corporation db/a National Grid
Merchant Function Charge
Data Year 1 Ending March 31, 2020
Proposed Return Requirement on Gas Working Capital

	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
1. MCG Forecast (\$/therm)												
SC1 Res	\$ 0.3058	\$ 0.2887	\$ 0.2996	\$ 0.2947	\$ 0.2918	\$ 0.2885	\$ 0.2826	\$ 0.2922	\$ 0.3036	\$ 0.3165	\$ 0.3188	\$ 0.3137
SC2 Res & Comm	\$ 0.3026	\$ 0.2856	\$ 0.2964	\$ 0.2915	\$ 0.2887	\$ 0.2854	\$ 0.2795	\$ 0.2891	\$ 0.3005	\$ 0.3134	\$ 0.3157	\$ 0.3106
SC2 Ind	\$ 0.3026	\$ 0.2856	\$ 0.2964	\$ 0.2915	\$ 0.2887	\$ 0.2854	\$ 0.2795	\$ 0.2891	\$ 0.3005	\$ 0.3134	\$ 0.3157	\$ 0.3106
SC3 LG Comm & Ind	\$ 0.2885	\$ 0.2714	\$ 0.2823	\$ 0.2774	\$ 0.2745	\$ 0.2715	\$ 0.2656	\$ 0.2752	\$ 0.2865	\$ 0.2995	\$ 0.3018	\$ 0.2966
SC12 DG	\$ 0.2649	\$ 0.2478	\$ 0.2587	\$ 0.2538	\$ 0.2510	\$ 0.2483	\$ 0.2424	\$ 0.2520	\$ 0.2633	\$ 0.2763	\$ 0.2786	\$ 0.2734
SC13 Res DG	\$ 0.3066	\$ 0.2895	\$ 0.3004	\$ 0.2955	\$ 0.2926	\$ 0.2893	\$ 0.2834	\$ 0.2930	\$ 0.3043	\$ 0.3173	\$ 0.3196	\$ 0.3144
2. Lead Lag Rates												
SC1 Res	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
SC2 Res & Comm	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
SC2 Ind	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
SC3 LG Comm & Ind	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
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%
SC13 Res 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%
3. Pre-Tax Weighted Average Cost of Capital												
SC1 Res	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%
SC2 Res & Comm	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%
SC2 Ind	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%
SC3 LG Comm & Ind	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%	8.02%
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%
SC13 Res 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%
4. Return Requirement on Gas Working Capital (\$/therm)												
SC1 Res	\$ 0.0033	\$ 0.0031	\$ 0.0032	\$ 0.0032	\$ 0.0031	\$ 0.0031	\$ 0.0030	\$ 0.0031	\$ 0.0032	\$ 0.0034	\$ 0.0034	\$ 0.0034
SC2 Res & Comm	\$ 0.0032	\$ 0.0031	\$ 0.0032	\$ 0.0031	\$ 0.0031	\$ 0.0031	\$ 0.0030	\$ 0.0031	\$ 0.0032	\$ 0.0034	\$ 0.0034	\$ 0.0033
SC2 Ind	\$ 0.0032	\$ 0.0031	\$ 0.0032	\$ 0.0031	\$ 0.0031	\$ 0.0031	\$ 0.0030	\$ 0.0031	\$ 0.0032	\$ 0.0034	\$ 0.0034	\$ 0.0033
SC3 LG Comm & Ind	\$ 0.0031	\$ 0.0029	\$ 0.0030	\$ 0.0030	\$ 0.0029	\$ 0.0029	\$ 0.0028	\$ 0.0029	\$ 0.0031	\$ 0.0032	\$ 0.0032	\$ 0.0032
SC12 DG	\$ 0.0028	\$ 0.0027	\$ 0.0028	\$ 0.0027	\$ 0.0027	\$ 0.0027	\$ 0.0026	\$ 0.0027	\$ 0.0028	\$ 0.0030	\$ 0.0030	\$ 0.0029
SC13 Res DG	\$ 0.0033	\$ 0.0031	\$ 0.0032	\$ 0.0032	\$ 0.0031	\$ 0.0031	\$ 0.0030	\$ 0.0031	\$ 0.0033	\$ 0.0034	\$ 0.0034	\$ 0.0034
5. Volumes (Therms)												
SC1 Res	48,497,594	25,195,656	12,710,468	7,703,546	7,604,451	7,589,275	13,216,714	31,098,794	58,134,756	80,651,675	79,761,433	74,397,962
SC2 Res & Comm	12,045,379	6,332,219	2,990,466	1,953,542	1,818,125	2,186,791	4,864,083	9,716,571	14,260,512	18,319,753	20,026,359	16,243,706
SC2 Ind	156,832	83,739	47,179	42,570	29,658	37,930	67,060	127,266	188,745	245,657	270,925	218,270
SC3 LG Comm & Ind	1,009,812	819,158	745,603	422,679	320,211	363,323	758,041	882,057	1,062,097	1,190,272	1,279,657	1,149,696
SC12 DG	988	915	887	1,725	1,508	1,526	1,545	1,524	1,524	1,518	1,390	1,148
SC13 Res DG	401	183	56	64	53	57	86	251	481	680	677	618
Total	61,711,005	32,431,869	16,494,660	10,124,126	9,774,007	10,178,901	18,907,528	41,826,377	73,648,115	100,409,554	101,340,441	92,011,399
6. Total Return Requirement on Gas Working Capital =												
SC1 Res	\$ 158,102	\$ 77,603	\$ 40,673	\$ 24,266	\$ 23,726	\$ 23,375	\$ 39,914	\$ 97,028	\$ 188,357	\$ 272,603	\$ 271,189	\$ 249,233
SC2 Res & Comm	\$ 38,907	\$ 19,313	\$ 9,450	\$ 6,076	\$ 5,600	\$ 6,670	\$ 14,495	\$ 30,024	\$ 45,776	\$ 61,371	\$ 67,489	\$ 53,929
SC2 Ind	\$ 507	\$ 255	\$ 149	\$ 132	\$ 91	\$ 116	\$ 200	\$ 393	\$ 606	\$ 823	\$ 913	\$ 725
SC3 LG Comm & Ind	\$ 3,110	\$ 2,376	\$ 2,244	\$ 1,251	\$ 938	\$ 1,054	\$ 2,153	\$ 2,593	\$ 3,250	\$ 3,809	\$ 4,120	\$ 3,645
SC12 DG	\$ 3	\$ 2	\$ 2	\$ 2	\$ 4	\$ 4	\$ 4	\$ 4	\$ 4	\$ 4	\$ 4	\$ 3
SC13 Res DG	\$ 1	\$ 1	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1	\$ 2	\$ 2	\$ 2	\$ 2
Total	\$ 200,630	\$ 99,550	\$ 52,519	\$ 31,730	\$ 30,359	\$ 31,218	\$ 56,766	\$ 130,044	\$ 237,995	\$ 338,612	\$ 343,718	\$ 307,537
FY Total	\$ 1,903,024											
MCG Year Total (Sept - Aug)	\$ 1,860,678											

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

	Apr-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	\$ 0.2927	\$ 0.2934	\$ 0.2971	\$ 0.2921	\$ 0.2888	\$ 0.2909	\$ 0.2805	\$ 0.2845	\$ 0.3052	\$ 0.3174	\$ 0.3188	\$ 0.3132
SC2 Res & Comm	\$ 0.2896	\$ 0.2903	\$ 0.2940	\$ 0.2890	\$ 0.2857	\$ 0.2879	\$ 0.2774	\$ 0.2815	\$ 0.3022	\$ 0.3143	\$ 0.3158	\$ 0.3102
SC2 Ind	\$ 0.2896	\$ 0.2903	\$ 0.2940	\$ 0.2890	\$ 0.2857	\$ 0.2879	\$ 0.2774	\$ 0.2815	\$ 0.3022	\$ 0.3143	\$ 0.3158	\$ 0.3102
SC3 LG Comm & Ind	\$ 0.2756	\$ 0.2763	\$ 0.2801	\$ 0.2751	\$ 0.2718	\$ 0.2742	\$ 0.2638	\$ 0.2678	\$ 0.2885	\$ 0.3007	\$ 0.3021	\$ 0.2965
SC12 DG	\$ 0.2524	\$ 0.2531	\$ 0.2569	\$ 0.2519	\$ 0.2486	\$ 0.2514	\$ 0.2410	\$ 0.2451	\$ 0.2658	\$ 0.2779	\$ 0.2793	\$ 0.2737
SC13 Res DG	\$ 0.2934	\$ 0.2941	\$ 0.2979	\$ 0.2929	\$ 0.2896	\$ 0.2917	\$ 0.2812	\$ 0.2853	\$ 0.3060	\$ 0.3181	\$ 0.3196	\$ 0.3140
2. Lead Lag Rates												
SC1 Res	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
SC2 Res & Comm	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
SC2 Ind	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
SC3 LG Comm & Ind	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%	13.31%
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%
SC13 Res 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%
3. Pre-Tax Weighted Average Cost of Capital												
SC1 Res	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%
SC2 Res & Comm	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%
SC2 Ind	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%
SC3 LG Comm & Ind	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%
SC12 DG	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%
SC13 Res DG	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 (\$/therm)												
SC1 Res	\$ 0.0031	\$ 0.0031	\$ 0.0032	\$ 0.0031	\$ 0.0031	\$ 0.0031	\$ 0.0030	\$ 0.0030	\$ 0.0033	\$ 0.0034	\$ 0.0034	\$ 0.0033
SC2 Res & Comm	\$ 0.0031	\$ 0.0031	\$ 0.0031	\$ 0.0031	\$ 0.0030	\$ 0.0031	\$ 0.0030	\$ 0.0030	\$ 0.0032	\$ 0.0033	\$ 0.0034	\$ 0.0033
SC2 Ind	\$ 0.0031	\$ 0.0031	\$ 0.0031	\$ 0.0031	\$ 0.0030	\$ 0.0031	\$ 0.0030	\$ 0.0030	\$ 0.0032	\$ 0.0033	\$ 0.0034	\$ 0.0033
SC3 LG Comm & Ind	\$ 0.0029	\$ 0.0029	\$ 0.0030	\$ 0.0029	\$ 0.0029	\$ 0.0029	\$ 0.0028	\$ 0.0029	\$ 0.0031	\$ 0.0032	\$ 0.0032	\$ 0.0032
SC12 DG	\$ 0.0027	\$ 0.0027	\$ 0.0027	\$ 0.0027	\$ 0.0026	\$ 0.0027	\$ 0.0026	\$ 0.0026	\$ 0.0028	\$ 0.0029	\$ 0.0030	\$ 0.0029
SC13 Res DG	\$ 0.0031	\$ 0.0031	\$ 0.0032	\$ 0.0031	\$ 0.0031	\$ 0.0031	\$ 0.0030	\$ 0.0030	\$ 0.0033	\$ 0.0034	\$ 0.0034	\$ 0.0033
5. Volumes (Therms)												
SC1 Res	49,378,449	25,754,049	12,961,491	7,790,875	7,795,813	7,671,578	13,461,844	31,583,702	59,443,523	82,488,645	83,964,735	74,203,033
SC2 Res & Comm	12,167,661	6,413,387	3,047,366	2,015,783	1,880,973	2,243,281	4,933,534	9,807,108	14,369,092	18,443,978	20,169,470	15,981,792
SC2 Ind	161,806	87,506	50,822	46,300	32,306	40,924	70,682	131,586	193,933	251,639	277,152	218,480
SC3 LG Comm & Ind	996,472	817,035	753,632	436,172	331,445	372,497	758,785	872,403	1,045,060	1,167,515	1,256,179	1,107,139
SC12 DG	1,153	1,067	1,035	1,725	1,508	1,526	1,438	1,454	1,524	1,518	1,390	1,148
SC13 Res DG	400	183	56	63	53	56	86	250	481	680	696	602
Total	62,705,941	33,073,226	16,814,402	10,290,918	10,042,098	10,329,863	19,226,476	42,396,486	75,053,613	102,353,974	105,669,624	91,512,194
6. Total Return Requirement on Gas Working Capital =												
SC1 Res	\$ 153,567	\$ 80,353	\$ 40,958	\$ 24,230	\$ 23,933	\$ 23,705	\$ 40,116	\$ 95,699	\$ 193,191	\$ 278,812	\$ 284,640	\$ 247,096
SC2 Res & Comm	\$ 37,476	\$ 19,817	\$ 9,538	\$ 6,188	\$ 5,718	\$ 6,864	\$ 14,554	\$ 29,323	\$ 46,125	\$ 61,603	\$ 67,769	\$ 52,740
SC2 Ind	\$ 498	\$ 270	\$ 159	\$ 142	\$ 98	\$ 125	\$ 209	\$ 393	\$ 623	\$ 840	\$ 931	\$ 721
SC3 LG Comm & Ind	\$ 2,920	\$ 2,402	\$ 2,246	\$ 1,278	\$ 958	\$ 1,088	\$ 2,132	\$ 2,486	\$ 3,208	\$ 3,736	\$ 4,032	\$ 3,487
SC12 DG	\$ 3	\$ 3	\$ 3	\$ 3	\$ 4	\$ 4	\$ 4	\$ 4	\$ 4	\$ 4	\$ 4	\$ 3
SC13 Res DG	\$ 1	\$ 1	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1	\$ 2	\$ 2	\$ 2	\$ 2
Total	\$ 194,466	\$ 102,846	\$ 52,904	\$ 31,843	\$ 30,712	\$ 31,787	\$ 57,015	\$ 127,906	\$ 243,153	\$ 344,998	\$ 357,380	\$ 304,050
FY Total												
MCG Year Total (Sept - Aug)												

\$ 1,858,660

\$ 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)	Estimated Storage Inventory Costs
	(dt)	(\$/dt)	(\$)
	<u>(1)</u>	<u>(2)</u>	<u>(3) = (1 * 2)</u>
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	-	\$0.00	\$ -
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) Estimated Monthly Average Storage Inventory Costs (12 Months)	\$16,383,517
b) Pre-Tax Weighted Average Cost of Capital /1	<u>8.07%</u>
c) Estimated Return Requirement on Gas Storage Inventory (a x b)	\$1,322,150
d) Forecasted SC 1, 2, 3, 12 and 13 Sales: September 1, 2018 - August 31, 2019	561,905,472 Therms
e) Return Requirement on Gas Storage Inventory Charge (2c / 2d) : Effective September 1, 2018 - August 31, 2019	\$0.00235 \$/Therm

2) Perform Annual Reconciliation

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 <u>Per Therm</u>	SC2 Residential, Commercial <u>Per Therm</u>	SC2 Industrial <u>Per Therm</u>	SC3 Large General <u>Per Therm</u>	SC12 Distributed Generation Non-Residential <u>Per Therm</u>	SC13 Distributed Generation Residential <u>Per Therm</u>
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

	SC1 MB Residential <u>Per Therm</u>	SC2 MB, 12 DB, 12MB, 13MB, 5, 7 and 8 <u>Per Therm</u>
1) Commodity Related Credit and Collection Charge /6	\$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 11
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

	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>
SC 1 Residential Non-Heating Target					
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

Niagara Mohawk Power Corporation d/b/a National Grid
Revenue Decoupling Mechanism ("RDM") Proposed Targets
Rate Years Ending March 2019

SC1 - Residential Non-Heat

Customer	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	FY19
	28,600	29,165	28,998	28,787	28,702	28,684	28,688	28,694	28,777	28,830	28,862	28,779	28,797
Tariff Margin	\$ 729,192	\$ 698,067	\$ 671,144	\$ 628,622	\$ 629,690	\$ 623,174	\$ 636,953	\$ 687,504	\$ 756,077	\$ 797,745	\$ 796,847	\$ 778,703	\$ 8,433,720
Margin Per Customer	\$ 25.50	\$ 23.94	\$ 23.14	\$ 21.84	\$ 21.94	\$ 21.73	\$ 22.20	\$ 23.96	\$ 26.27	\$ 27.67	\$ 27.81	\$ 27.06	\$ 292.87

SC1 - Residential Heat

Customer	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	FY19
	545,267	544,390	543,396	542,276	541,687	541,818	542,331	543,691	545,799	547,580	548,729	549,627	544,716
Tariff Margin	\$ 23,350,958	\$ 19,939,324	\$ 16,092,882	\$ 13,905,876	\$ 13,882,971	\$ 13,958,442	\$ 16,244,728	\$ 20,878,534	\$ 24,285,038	\$ 26,443,551	\$ 26,637,952	\$ 25,756,395	\$ 241,376,652
Margin Per Customer	\$ 42.82	\$ 36.63	\$ 29.62	\$ 25.64	\$ 25.63	\$ 25.76	\$ 29.95	\$ 38.40	\$ 44.49	\$ 48.29	\$ 48.54	\$ 46.86	\$ 443.12

SC2 - Residential

Customer	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	FY19
	1,848	1,937	1,913	1,903	1,897	1,911	1,912	1,927	1,945	1,958	1,965	1,972	1,924
Tariff Margin	\$ 121,833	\$ 92,371	\$ 72,230	\$ 69,012	\$ 63,366	\$ 64,171	\$ 70,754	\$ 100,398	\$ 140,632	\$ 170,638	\$ 173,457	\$ 161,600	\$ 1,294,461
Margin Per Customer	\$ 65.94	\$ 47.69	\$ 37.76	\$ 33.12	\$ 33.41	\$ 33.58	\$ 37.00	\$ 52.10	\$ 72.29	\$ 87.15	\$ 88.28	\$ 81.95	\$ 672.81

SC2 - Commercial

Customer	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	FY19
	45,360	45,257	45,041	44,846	44,732	44,652	44,680	44,851	45,179	45,413	45,547	45,570	45,094
Tariff Margin	\$ 5,709,009	\$ 3,728,140	\$ 2,387,331	\$ 1,877,127	\$ 1,794,836	\$ 1,967,966	\$ 3,022,488	\$ 4,921,303	\$ 6,522,929	\$ 7,698,615	\$ 8,189,454	\$ 7,044,057	\$ 54,863,254
Margin Per Customer	\$ 125.86	\$ 82.38	\$ 53.00	\$ 41.86	\$ 40.12	\$ 44.07	\$ 67.65	\$ 109.73	\$ 144.38	\$ 169.53	\$ 179.80	\$ 154.58	\$ 1,216.64

SC2 - Industrial

Customer	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	FY19
	149	148	147	146	146	147	147	148	150	153	152	152	149
Tariff Margin	\$ 55,043	\$ 32,440	\$ 18,165	\$ 13,873	\$ 11,832	\$ 14,011	\$ 24,107	\$ 44,531	\$ 62,336	\$ 73,776	\$ 79,222	\$ 64,168	\$ 493,504
Margin Per Customer	\$ 369.57	\$ 219.92	\$ 123.92	\$ 94.82	\$ 81.19	\$ 95.42	\$ 164.17	\$ 301.07	\$ 416.86	\$ 482.95	\$ 519.77	\$ 421.87	\$ 3,320.47

SCZ

Customer	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	FY19
	703	703	704	705	704	705	705	703	704	702	703	703	704
Tariff Margin	\$ 941,782	\$ 585,051	\$ 397,018	\$ 285,050	\$ 301,782	\$ 378,652	\$ 597,177	\$ 888,180	\$ 1,109,514	\$ 1,343,391	\$ 1,451,473	\$ 1,180,772	\$ 9,459,841
Margin Per Customer	\$ 1,339.52	\$ 832.13	\$ 563.88	\$ 404.35	\$ 428.72	\$ 537.39	\$ 847.52	\$ 1,263.37	\$ 1,575.78	\$ 1,913.85	\$ 2,064.69	\$ 1,680.18	\$ 13,445.00

Niagara Mohawk Power Corporation d/b/a National Grid
Revenue Decoupling Mechanism ("RDM") Proposed Targets
Rate Years Ending March 2020

	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	FY20
SC1 - Residential Non-Heat													
Customer	28,817	29,112	28,939	28,721	28,629	28,618	28,621	28,705	28,705	28,754	28,785	28,706	287,753
Tariff Margin	\$ 754,531	\$ 710,071	\$ 679,167	\$ 631,629	\$ 633,693	\$ 625,917	\$ 642,118	\$ 698,516	\$ 777,291	\$ 824,595	\$ 818,261	\$ 807,578	\$ 8,603,367
Margin Per Customer	\$ 26.18	\$ 24.39	\$ 23.47	\$ 21.99	\$ 22.13	\$ 21.87	\$ 22.44	\$ 24.40	\$ 27.08	\$ 28.68	\$ 28.43	\$ 28.13	\$ 299.22
SC1 - Residential Heat													
Customer	549,979	549,384	548,369	547,223	546,602	546,673	547,140	548,451	550,511	552,242	553,348	554,198	549,510
Tariff Margin	\$ 25,244,137	\$ 21,331,712	\$ 16,910,049	\$ 14,381,164	\$ 14,406,546	\$ 14,440,809	\$ 17,081,185	\$ 22,380,480	\$ 26,913,166	\$ 28,781,682	\$ 28,785,071	\$ 28,169,314	\$ 258,205,285
Margin Per Customer	\$ 45.90	\$ 38.83	\$ 30.84	\$ 26.28	\$ 26.36	\$ 26.42	\$ 31.22	\$ 40.81	\$ 47.80	\$ 52.12	\$ 51.98	\$ 50.83	\$ 469.88
SC2 - Residential													
Customer	1,977	2,025	2,000	1,990	1,983	1,991	1,992	2,007	2,025	2,037	2,043	2,050	2,010
Tariff Margin	\$ 135,945	\$ 99,844	\$ 77,913	\$ 66,847	\$ 67,507	\$ 67,946	\$ 75,426	\$ 108,167	\$ 153,563	\$ 187,044	\$ 186,818	\$ 179,407	\$ 1,405,826
Margin Per Customer	\$ 68.75	\$ 49.31	\$ 38.66	\$ 33.60	\$ 34.04	\$ 34.13	\$ 37.86	\$ 53.90	\$ 75.85	\$ 91.84	\$ 91.43	\$ 87.54	\$ 699.45
SC2 - Commercial													
Customer	45,594	45,481	45,255	45,048	44,923	44,834	44,856	45,018	45,337	45,561	45,687	45,703	45,275
Tariff Margin	\$ 6,145,713	\$ 3,990,446	\$ 2,528,893	\$ 1,975,181	\$ 1,883,321	\$ 2,068,210	\$ 3,212,285	\$ 5,271,658	\$ 7,006,008	\$ 8,275,078	\$ 8,804,322	\$ 7,684,445	\$ 58,845,559
Margin Per Customer	\$ 134.79	\$ 87.74	\$ 55.88	\$ 43.85	\$ 41.92	\$ 46.13	\$ 71.61	\$ 117.10	\$ 154.53	\$ 181.63	\$ 192.71	\$ 168.14	\$ 1,299.74
SC2 - Industrial													
Customer	151	150	149	148	148	149	149	150	152	155	154	154	151
Tariff Margin	\$ 60,378	\$ 35,799	\$ 20,295	\$ 15,418	\$ 13,090	\$ 15,444	\$ 26,591	\$ 48,724	\$ 68,054	\$ 80,363	\$ 86,240	\$ 71,209	\$ 541,605
Margin Per Customer	\$ 399.48	\$ 239.20	\$ 136.53	\$ 103.95	\$ 88.62	\$ 103.68	\$ 178.52	\$ 324.88	\$ 449.04	\$ 519.64	\$ 559.03	\$ 462.10	\$ 3,594.85
SCZ													
Customer	704	704	705	706	705	706	708	708	709	709	710	710	707
Tariff Margin	\$ 1,007,181	\$ 620,453	\$ 415,482	\$ 290,573	\$ 310,193	\$ 397,749	\$ 635,195	\$ 952,339	\$ 1,192,830	\$ 1,450,354	\$ 1,567,906	\$ 1,302,896	\$ 10,143,152
Margin Per Customer	\$ 1,431.09	\$ 881.59	\$ 589.38	\$ 411.63	\$ 440.17	\$ 563.77	\$ 897.08	\$ 1,344.99	\$ 1,682.13	\$ 2,045.29	\$ 2,207.88	\$ 1,835.02	\$ 14,348.12

Niagara Mohawk Power Corporation d/b/a National Grid
Revenue Decoupling Mechanism ("RDM") Proposed Targets
Rate Years Ending March 2021

	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	FY21
SC1 - Residential Non-Heat Customer	28,739	28,489	28,308	28,083	27,986	27,979	27,981	27,985	28,065	28,114	28,144	28,065	28,162
Tariff Margin	\$ 772,718	\$ 708,340	\$ 673,922	\$ 622,044	\$ 625,266	\$ 616,070	\$ 634,550	\$ 695,481	\$ 783,114	\$ 835,229	\$ 834,472	\$ 811,403	\$ 8,612,611
Margin Per Customer	\$ 26.89	\$ 24.86	\$ 23.81	\$ 22.15	\$ 22.34	\$ 22.02	\$ 22.68	\$ 24.65	\$ 27.90	\$ 29.71	\$ 29.65	\$ 28.91	\$ 305.83
SC1 - Residential Heat Customer	554,907	554,478	553,433	552,263	551,622	551,666	552,119	553,421	555,474	557,202	558,302	559,148	554,470
Tariff Margin	\$ 27,197,726	\$ 22,771,906	\$ 17,749,683	\$ 14,860,503	\$ 14,948,277	\$ 14,928,453	\$ 17,942,257	\$ 23,933,412	\$ 28,425,148	\$ 31,219,682	\$ 31,463,010	\$ 30,305,045	\$ 275,745,103
Margin Per Customer	\$ 49.05	\$ 41.07	\$ 32.07	\$ 26.91	\$ 27.10	\$ 27.06	\$ 32.50	\$ 43.25	\$ 51.17	\$ 56.03	\$ 56.35	\$ 54.20	\$ 497.31
SC2 - Residential Customer	2,055	2,018	1,992	1,982	1,975	1,980	1,981	1,995	2,013	2,025	2,032	2,038	2,007
Tariff Margin	\$ 147,183	\$ 103,078	\$ 78,974	\$ 67,671	\$ 68,622	\$ 68,730	\$ 76,539	\$ 111,424	\$ 160,159	\$ 195,857	\$ 199,152	\$ 184,834	\$ 1,462,523
Margin Per Customer	\$ 71.62	\$ 51.07	\$ 39.64	\$ 34.15	\$ 34.75	\$ 34.71	\$ 38.78	\$ 55.84	\$ 79.55	\$ 96.70	\$ 98.01	\$ 90.69	\$ 728.60
SC2 - Commercial Customer	45,716	45,598	45,365	45,154	45,026	44,935	44,955	45,117	45,436	45,662	45,790	45,807	45,380
Tariff Margin	\$ 6,545,926	\$ 4,229,539	\$ 2,657,047	\$ 2,065,017	\$ 1,965,797	\$ 2,162,322	\$ 3,391,926	\$ 5,603,217	\$ 7,466,943	\$ 8,829,670	\$ 9,397,785	\$ 8,066,645	\$ 62,383,836
Margin Per Customer	\$ 143.19	\$ 92.76	\$ 58.57	\$ 45.73	\$ 43.66	\$ 48.12	\$ 75.45	\$ 124.24	\$ 164.34	\$ 193.37	\$ 205.24	\$ 176.10	\$ 1,374.70
SC2 - Industrial Customer	153	152	151	151	150	151	151	152	154	157	156	156	153
Tariff Margin	\$ 65,598	\$ 39,052	\$ 22,351	\$ 16,969	\$ 14,351	\$ 16,891	\$ 29,082	\$ 52,949	\$ 73,816	\$ 87,144	\$ 93,429	\$ 75,885	\$ 587,517
Margin Per Customer	\$ 427.43	\$ 257.15	\$ 148.18	\$ 112.73	\$ 95.75	\$ 111.71	\$ 192.34	\$ 347.79	\$ 479.89	\$ 555.23	\$ 597.00	\$ 485.40	\$ 3,842.43
SCZ Customer	711	711	712	713	712	712	718	718	719	719	720	720	715
Tariff Margin	\$ 1,082,757	\$ 661,976	\$ 438,029	\$ 298,914	\$ 322,039	\$ 421,865	\$ 680,924	\$ 1,026,553	\$ 1,288,783	\$ 1,569,894	\$ 1,698,309	\$ 1,376,571	\$ 10,866,613
Margin Per Customer	\$ 1,523.55	\$ 931.47	\$ 615.36	\$ 419.35	\$ 452.55	\$ 592.18	\$ 948.72	\$ 1,430.28	\$ 1,792.98	\$ 2,184.06	\$ 2,359.26	\$ 1,912.63	\$ 15,193.43

Niagara Mohawk Power Corporation d/b/a National Grid
Revenue Decoupling Mechanism ("RDM") Proposed Targets
Rate Years Ending March 2022

	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	FY22
SC1 - Residential Non-Heat													
Customer	28,739	28,489	28,308	28,083	27,986	27,979	27,981	27,985	28,065	28,114	28,144	28,065	28,162
Tariff Margin	\$ 776,539	\$ 710,955	\$ 675,912	\$ 623,072	\$ 626,400	\$ 617,019	\$ 635,875	\$ 698,043	\$ 787,425	\$ 840,580	\$ 839,795	\$ 816,289	\$ 8,647,904
Margin Per Customer	\$ 27.02	\$ 24.96	\$ 23.88	\$ 22.13	\$ 22.38	\$ 22.05	\$ 22.73	\$ 24.94	\$ 28.06	\$ 29.90	\$ 29.84	\$ 29.09	\$ 307.08
SC1 - Residential Heat													
Customer	554,507	554,478	553,433	552,263	551,822	551,666	552,119	553,421	555,474	557,202	558,302	559,148	554,470
Tariff Margin	\$ 27,921,411	\$ 23,005,528	\$ 17,881,596	\$ 14,934,152	\$ 15,023,975	\$ 15,003,730	\$ 18,073,631	\$ 24,191,108	\$ 28,773,428	\$ 31,624,161	\$ 31,871,987	\$ 30,690,087	\$ 278,599,795
Margin Per Customer	\$ 49.63	\$ 41.49	\$ 32.31	\$ 27.04	\$ 27.24	\$ 27.20	\$ 32.74	\$ 43.71	\$ 51.80	\$ 56.76	\$ 57.09	\$ 54.89	\$ 502.46
SC2 - Residential													
Customer	2,055	2,018	1,992	1,982	1,975	1,980	1,981	1,995	2,013	2,025	2,032	2,038	2,007
Tariff Margin	\$ 148,417	\$ 103,764	\$ 79,362	\$ 67,919	\$ 68,885	\$ 68,992	\$ 77,204	\$ 112,223	\$ 161,569	\$ 197,715	\$ 201,050	\$ 186,549	\$ 1,473,650
Margin Per Customer	\$ 72.22	\$ 51.41	\$ 39.84	\$ 34.27	\$ 34.88	\$ 34.85	\$ 38.97	\$ 56.24	\$ 80.25	\$ 97.62	\$ 98.94	\$ 91.53	\$ 734.15
SC2 - Commercial													
Customer	45,716	45,598	45,365	45,154	45,026	44,935	44,955	45,117	45,436	45,662	45,700	45,807	45,380
Tariff Margin	\$ 6,614,670	\$ 4,269,063	\$ 2,676,749	\$ 2,077,290	\$ 1,976,852	\$ 2,175,691	\$ 3,421,030	\$ 5,662,256	\$ 7,547,397	\$ 8,927,234	\$ 9,502,475	\$ 8,194,559	\$ 63,005,466
Margin Per Customer	\$ 144.69	\$ 93.62	\$ 59.00	\$ 46.00	\$ 43.90	\$ 48.42	\$ 76.10	\$ 125.50	\$ 166.11	\$ 195.51	\$ 207.52	\$ 178.02	\$ 1,388.40
SC2 - Industrial													
Customer	153	152	151	151	150	151	151	152	154	157	156	156	153
Tariff Margin	\$ 66,378	\$ 39,498	\$ 22,587	\$ 17,137	\$ 14,486	\$ 17,058	\$ 29,403	\$ 53,570	\$ 74,700	\$ 88,195	\$ 94,559	\$ 76,794	\$ 594,365
Margin Per Customer	\$ 432.51	\$ 260.09	\$ 149.74	\$ 113.84	\$ 96.65	\$ 112.87	\$ 194.46	\$ 351.87	\$ 485.64	\$ 561.93	\$ 604.21	\$ 491.22	\$ 3,887.21
SCZ													
Customer	711	711	712	713	712	712	718	718	719	719	720	720	715
Tariff Margin	\$ 1,094,443	\$ 667,709	\$ 440,587	\$ 299,499	\$ 322,958	\$ 424,192	\$ 686,889	\$ 1,037,407	\$ 1,303,342	\$ 1,588,431	\$ 1,718,657	\$ 1,392,967	\$ 10,976,482
Margin Per Customer	\$ 1,539.95	\$ 939.53	\$ 618.95	\$ 420.17	\$ 453.84	\$ 595.44	\$ 957.03	\$ 1,445.41	\$ 1,813.23	\$ 2,209.85	\$ 2,387.52	\$ 1,934.58	\$ 15,347.04

Niagara Mohawk Power Corporation d/b/a National Grid
Revenue Decoupling Mechanism ("RDM") Proposed Targets
Rate Years Ending March 2023

	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	FY23
SC1 - Residential Non-Heat													
Customer	28,739	28,489	28,308	28,083	27,979	27,986	27,981	27,985	28,065	28,114	28,144	28,065	28,162
Tariff Margin	\$ 777,859	\$ 711,859	\$ 676,600	\$ 623,427	\$ 617,347	\$ 626,791	\$ 636,333	\$ 698,929	\$ 785,915	\$ 842,429	\$ 841,635	\$ 817,978	\$ 8,660,102
Margin Per Customer	\$ 27.07	\$ 24.99	\$ 23.90	\$ 22.20	\$ 22.06	\$ 22.40	\$ 22.74	\$ 24.98	\$ 28.11	\$ 29.97	\$ 29.90	\$ 29.15	\$ 307.52
SC1 - Residential Heat													
Customer	554,507	554,478	553,433	552,263	551,622	551,666	552,119	553,421	556,474	557,202	558,302	559,148	554,470
Tariff Margin	\$ 27,633,298	\$ 23,086,274	\$ 17,927,187	\$ 14,959,606	\$ 15,050,137	\$ 15,029,746	\$ 18,125,763	\$ 24,280,178	\$ 28,893,822	\$ 31,763,994	\$ 32,013,375	\$ 30,823,197	\$ 279,586,576
Margin Per Customer	\$ 49.83	\$ 41.64	\$ 32.39	\$ 27.09	\$ 27.28	\$ 27.24	\$ 32.83	\$ 43.87	\$ 52.02	\$ 57.01	\$ 57.34	\$ 55.13	\$ 504.24
SC2 - Residential													
Customer	2,055	2,018	1,992	1,982	1,975	1,980	1,981	1,995	2,013	2,025	2,032	2,038	2,007
Tariff Margin	\$ 149,043	\$ 104,112	\$ 79,559	\$ 68,045	\$ 69,018	\$ 69,125	\$ 77,389	\$ 112,628	\$ 162,285	\$ 198,659	\$ 202,014	\$ 187,420	\$ 1,479,297
Margin Per Customer	\$ 72.53	\$ 51.58	\$ 39.94	\$ 34.34	\$ 34.95	\$ 34.91	\$ 39.06	\$ 56.44	\$ 80.61	\$ 98.08	\$ 99.41	\$ 91.96	\$ 736.96
SC2 - Commercial													
Customer	45,716	45,598	45,385	45,154	45,026	44,935	44,955	45,117	45,436	45,662	45,700	45,807	45,380
Tariff Margin	\$ 6,649,609	\$ 4,289,141	\$ 2,686,754	\$ 2,083,521	\$ 1,982,464	\$ 2,182,780	\$ 3,435,617	\$ 5,691,245	\$ 7,588,297	\$ 8,976,641	\$ 9,555,705	\$ 8,199,253	\$ 63,321,428
Margin Per Customer	\$ 145.46	\$ 94.07	\$ 59.22	\$ 46.14	\$ 44.03	\$ 48.58	\$ 76.43	\$ 126.14	\$ 167.01	\$ 196.59	\$ 208.69	\$ 179.00	\$ 1,395.36
SC2 - Industrial													
Customer	153	152	151	151	150	151	151	152	154	157	156	156	153
Tariff Margin	\$ 66,775	\$ 39,725	\$ 22,707	\$ 17,222	\$ 14,555	\$ 17,143	\$ 29,566	\$ 53,886	\$ 75,150	\$ 88,729	\$ 95,134	\$ 77,256	\$ 597,850
Margin Per Customer	\$ 435.10	\$ 261.58	\$ 150.54	\$ 114.41	\$ 97.11	\$ 113.38	\$ 195.54	\$ 353.95	\$ 488.56	\$ 565.33	\$ 607.89	\$ 494.18	\$ 3,910.00
SCZ													
Customer	711	711	712	713	712	712	718	718	719	719	720	720	715
Tariff Margin	\$ 1,100,313	\$ 670,589	\$ 441,873	\$ 299,793	\$ 323,419	\$ 425,362	\$ 689,886	\$ 1,042,861	\$ 1,310,657	\$ 1,597,743	\$ 1,728,879	\$ 1,400,303	\$ 11,031,679
Margin Per Customer	\$ 1,548.25	\$ 943.59	\$ 620.76	\$ 420.59	\$ 454.49	\$ 597.08	\$ 961.21	\$ 1,453.00	\$ 1,823.41	\$ 2,222.81	\$ 2,401.72	\$ 1,945.61	\$ 15,424.22

**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 Aug-12	TME Aug-13	TME Aug-14	TME Aug-15	TME Aug-16
Metered Receipts (dt)					
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	-	-	-	-	-
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%

* 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:

	<u>SC6</u>		<u>SC9 & SC14</u>
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:

	<u>SC6</u>		<u>SC9 & SC14</u>
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>		<u>SC9 & SC14</u>
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

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:

	<u>SC6</u>	<u>SC9 & SC14</u>	<u>Total</u>
Delivery Revenue Targets \$	2,503,905	\$ 16,952,365	

2) Rate Year 1 Reconciliation: April 1, 2018 - March 31, 2019:

a) Actual Delivery Revenues

	<u>SC6</u>	<u>SC9 & SC14</u>	
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 Recovered/(Refunded)			\$ 1,867,415
Estimated SC1,2,3,5,7,8,12, and 13 Sales and Delivery Only Throughput (therms) For the period August 1, 2019 through July 31, 2020			600,000,000
Estimated Surcharge / (Credit) (\$ Per Therm) For the period August 1, 2019 through July 31, 2020			\$0.00311

Niagara Mohawk Power Corporation d/b/a National Grid
Illustrative Example of EAM (Earnings Adjustment Mechanism)

<u>Service Class</u>	<u>1</u> <u>Earned EAM</u>	<u>2</u> <u>Gas Deliveries (dt)</u>	<u>3</u> <u>Allocation %</u>	<u>4</u> <u>Allocated EAM \$</u>	<u>5</u> <u>Forecast sales - (dt)*</u>	<u>6</u> <u>EAM \$/therm rate</u>
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
	\$ 1,500,000			\$ 1,500,000		

* Excludes EZR Load and EJP Load

1 Illustrative dollar amount for Earned EAM.

2 Supported by Exhibit____(G-RDP-3CU), Schedule 9A, Line 3 (Gas_Deliveries) Excluding NYSEG and SC-10 NGV

3 Percentage of gas deliveries

4 Calculated by applying Allocation % to earned EAM by Service Class.

5 Rate year 2 forecasted sales supported by rate year 2 billing determinants.

6 Column 3 / Column 4

Niagara Mohawk Power Company (Gas) dba National Grid (Gas)
 Marginal Class Study (\$000s)- Rate Year Ending March 31, 2019
Excelsior Jobs Program (EJP) Marginal Rates

Sch. 10

Line	Rate Class	Customer Type	Annual Marginal Customer Costs		Total Annual Marginal Costs	Monthly Customer Charge	Customers	Annual Customer Charge Revenue		Annual Marginal Costs Minus Customer Charge Revenue	Annual Deliveries Dth	Excelsior Rate Per Dth	Excelsior Rate Per therm
			Annual Marginal Demand Costs	Annual Marginal Customer Costs				Customer Charge	Revenue				
1	SC-1 Residential	Residential	\$97,644,889	\$183,630,668	\$281,275,557	\$ 20.35	573,513	\$140,051,773	\$141,223,784	\$1,171,712	53,030,994	\$2.66	\$0.26630
2	SC-2 Small General	Commercial	\$39,276,219	\$39,179,165	\$78,455,384	\$ 24.27	47,167	\$13,736,771	\$64,718,612	\$50,981,841	21,623,880	\$2.99	\$0.29929
3	SC-3 Large General	Commercial	\$1,199,488	\$67,783	\$1,267,272	\$ 781.27	42	\$390,635	\$876,637	\$485,962	997,009	\$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	\$7,199,237	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	\$5,816,698	6,425,110	\$1.38	\$0.13801
6	SC-8 Standby Sales	Other	\$21,292,293	\$432,475	\$21,724,768	\$ 1,039.54	59	\$735,994	\$20,988,773	\$19,252,779	23,598,624	\$0.89	\$0.08894
7	SC-10 NGV	Other	\$21,491	\$2,575	\$24,066		2	\$0	\$24,066	\$2,575	16,161	\$1.49	\$0.14892
8	SC-12-S/L DG NonRes	Other	\$830,112	\$57,254	\$887,367	\$ 1,401.27	18	\$302,674	\$584,692	\$282,018	1,428,188	\$0.41	\$0.04094
9	SC-13 DG Res	Other	\$705	\$882	\$1,587	\$ 27.56	3	\$992	\$595	\$1,587	362	\$1.65	\$0.16456
10	NYSEG	Other	\$565,550	\$2,284	\$567,834	\$ 895.02	1	\$10,740	\$557,094	\$567,834	287,923		
11	Total		\$180,761,621	\$224,663,191	\$405,424,812		621,665	\$159,332,102	\$246,092,711	\$86,760,609	115,423,334		
12													
13													
14	SC-1 Residential	Residential	\$97,644,889	\$183,630,668	\$281,275,557	\$ 20.35	578,263	\$141,211,772	\$140,063,784	\$1,147,988	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	\$50,825,233	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	\$511,370	997,009	\$0.89	\$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	\$7,076,149	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	\$5,788,382	6,425,110	\$1.38	\$0.13779
19	SC-8 Standby Sales	Other	\$21,292,293	\$432,475	\$21,724,768	\$ 1,155.03	60	\$831,622	\$20,893,146	\$19,061,524	23,598,624	\$0.89	\$0.08854
20	SC-10 NGV	Other	\$21,491	\$2,575	\$24,066		2	\$0	\$24,066	\$2,575	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	\$416,540	1,428,188	\$0.46	\$0.04565
22	SC-13 DG Res	Other	\$705	\$882	\$1,587	\$ 27.56	3	\$992	\$595	\$1,587	362	\$1.65	\$0.16456
23	NYSEG	Other	\$565,550	\$2,284	\$567,834	\$ 907.28	1	\$10,887	\$556,947	\$567,834	287,923		
24	Total		\$180,761,621	\$224,663,191	\$405,424,812		626,683	\$160,661,938	\$244,762,874	\$84,090,936	115,423,334		
25													
26													
27	SC-1 Residential	Residential	\$97,644,889	\$183,630,668	\$281,275,557	\$ 20.35	582,631	\$142,278,511	\$138,997,045	\$3,281,466	53,030,994	\$2.62	\$0.26211
28	SC-2 Small General	Commercial	\$39,276,219	\$39,179,165	\$78,455,384	\$ 24.27	47,540	\$13,845,612	\$64,609,772	\$50,764,160	21,623,880	\$2.99	\$0.29879
29	SC-3 Large General	Commercial	\$1,199,488	\$67,783	\$1,267,272	\$ 781.27	39	\$364,947	\$902,324	\$537,377	997,009	\$0.91	\$0.09050
30	SC-5 Firm Transport	Commercial	\$8,947,705	\$355,449	\$9,303,153	\$ 619.74	158	\$1,175,027	\$8,128,126	\$6,953,100	8,015,083	\$1.01	\$0.10141
31	SC-7 Small Firm Transport	Other	\$10,983,169	\$934,656	\$11,917,826	\$ 361.27	715	\$3,100,642	\$8,817,184	\$5,716,542	6,425,110	\$1.37	\$0.13723
32	SC-8 Standby Sales	Other	\$21,292,293	\$432,475	\$21,724,768	\$ 1,270.53	60	\$914,782	\$20,809,986	\$18,895,204	23,598,624	\$0.88	\$0.08818
33	SC-10 NGV	Other	\$21,491	\$2,575	\$24,066		2	\$0	\$24,066	\$2,575	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	\$416,540	1,428,188	\$0.46	\$0.04565
35	SC-13 DG Res	Other	\$705	\$882	\$1,587	\$ 27.56	3	\$992	\$595	\$1,587	362	\$1.65	\$0.16456
36	NYSEG	Other	\$565,550	\$2,284	\$567,834	\$ 930.32	1	\$11,164	\$556,670	\$567,834	287,923		
37	Total		\$180,761,621	\$224,663,191	\$405,424,812		631,163	\$161,927,090	\$243,497,722	\$81,570,632	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 EJP rates (per therm)						
Service Classification	Current Marginal / EJP Rate (per therm)	Proposed Marginal Rate for 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

Service Classification	ETIP Targets				Actual ETIP Revenue				Variance (9) = (8-4)
	<u>RY1</u>	<u>RY2</u>	<u>RY3</u>	<u>Total</u>	<u>RY1</u>	<u>RY2</u>	<u>RY3</u>	<u>Total</u>	
	(1)	(2)	(3)	(4) = (1+2+3)	(5)	(6)	(7)	(8) = (5+6+7)	
SC3	\$ 91,715	\$ 92,014	\$ 91,202	\$ 274,931	\$ 93,000	\$ 95,000	\$ 86,000	\$ 274,000	\$ (931)
SC5	\$ 737,310	\$ 745,438	\$ 753,056	\$ 2,235,804	\$ 700,000	\$ 750,000	\$ 600,000	\$ 2,050,000	\$ (185,804)
SC8	\$ 2,170,844	\$ 2,198,305	\$ 2,222,913	\$ 6,592,062	\$ 2,200,000	\$ 2,500,000	\$ 2,000,000	\$ 6,700,000	\$ 107,938

Service Classification	ETIP Reconciliation		
	Over/(Under) Recovery	Forecast Sales (12 months ended Apr '22)	ETIP Reconciliation Rate (per therm)
	(1)	(2)	(3) = (1 / 2)
SC3	\$ (931)	9,920,000	\$ (0.0001)
SC5	\$ (185,804)	81,900,000	\$ (0.0023)
SC8	\$ 107,938	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)

Individual Years	Three Year Electric Settlement			Stay-Out Period
	Year 1 TME Mar 31, 2019	Year 2 TME Mar 31, 2020	Year 3 TME Mar 31, 2021	Year 4 Year End Mar 31, 2022 (Assumes new rates Eff Oct 1, 2022)
1 Rate Base	\$ 5,260.7	\$ 5,605.0	\$ 5,951.8	\$ 6,298.6
2				
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%
8				
9 Actual (calculated) Net Income for CE	\$ 176.8	\$ 263.7	\$ 300.0	\$ 163.6
10				
11 ROE Sharing threshold (per JP - Section 5.3)	9.50%	9.50%	9.50%	9.50%
12				
13				
14				

Earnings Sharing Calculation:

Earnings Sharing Report is due by	Year 1	Year 2	Year 3	Stay-Out - Period
	8/31/19	8/31/20	8/31/21	Year 4 8/31/22
21 Actual Net Income	\$ 176.8	\$ 263.7	\$ 295.8	\$ 144.7
22 Adjustment to exclude amounts previously in excess of Earnings threshold	\$ -	\$ -	\$ 4.21	\$ 18.87
23 Adjusted Net Income	\$ 176.8	\$ 263.7	\$ 300.0	\$ 163.6
24 Common equity (after exclusion of Goodwill) at a 48% equity ratio - Stub Period				\$ 3,023.3
25 Operating Revenues Ratio (Apr-Sep)				50.48%
26 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%
28 ROE Threshold (weighted avg)	9.50%	9.50%	9.50%	9.50%
29 Difference	-2.50%	0.30%	1.00%	1.22%
30 Actual Common Equity	\$ 2,525.1	\$ 2,690.4	\$ 2,856.9	\$ 1,526.3
31 After-tax Earnings Between Threshold and 10.0%	\$ -	\$ 8.1	\$ 14.3	\$ 7.6
32 After-tax Earnings Between 10.0% and 10.5%	\$ -	\$ -	\$ 14.3	\$ 7.6
33 After-tax Earnings Over 10.5%	\$ -	\$ -	\$ 0.0	\$ 3.3
34 Deferral of 50% of amount Between Threshold and 10.0%, for benefit of Customers	\$ -	\$ 4.1	\$ 7.1	\$ 3.8
35 Deferral of 75% of amount Between 10.0% and 10.5%, for benefit of Customers	\$ -	\$ -	\$ 10.7	\$ 5.7
36 Deferral of 90% of amount Over 10.5%	\$ -	\$ -	\$ 0.0	\$ 3.0
37 Total Deferral for benefit of Customers (after-tax \$)	\$ -	\$ 4.06	\$ 17.88	\$ 12.55
38 Combined Federal & State Income Tax Rate	26.14%	26.14%	26.14%	26.14%
39 Deferral grossed up for income taxes (pre-tax \$)	\$ -	\$ 5.5	\$ 24.2	\$ 17.0
40 Carrying costs	\$ -	\$ 0.15	\$ 0.99	\$ 2.19
41 Total Deferral Including Carrying Costs	\$ -	\$ 5.64	\$ 25.19	\$ 19.19
42 Cumulative Deferral	\$ -	\$ 5.64	\$ 30.83	\$ 50.02

Line Notes

3 Actual ROE calculation will use an imputed common equity ratio of 48% as described in JP Section 5.1	27	Line 23 / Line 26
5 Original ROE's in annual Electric earnings filings for respective periods	28	weighted average of line 11
6 Impacts of ROE revisions shown in filing support (discovered after original filings)	29	line 27 - line 28
7 Actual ROE used in the earnings sharing calculation	30	Appropriate years line 3 (Line 24 * Line 25 for stub period)
9 Line 7 x Line 3 (ROE x CE)	31	Line 27 Between Cap and 10.5% * Line 30
11 JP - Section 5.3	32	Line 27 Between 10.0% and 10.5% * Line 30
21 Appropriate years line 9	33	Line 27 Greater than 10.5% * Line 30
22 Adjustment to exclude amounts previously in excess of Earnings threshold (line 37 + line 40)	34	Line 31 * 50%
Stay-Out Period - if deferral is recorded within the stub period, the previous deferral amount will be removed	35	Line 32 * 75%
23 Line 21 + Line 22	36	Line 33 * 90%
24 Common Equity Ratio for Stub Period	37	Line 34 + Line 35 + Line 36
25 Operating Income Ratio for Stub Period (Apr-Sep)	38	Federal rate 21.0% and NYS 6.5%
26 Appropriate years line 3 (Line 24 * Line 25 for stub period)	39	Line 37 / (1- Line 38)
	40	Carrying Costs at the Pre-Tax Weighted Cost of Capital on the Deferral Balance Net of Deferred Taxes

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)

Individual Years	Three Year Gas Settlement			Stay-Out Period
	Year 1 TME Mar 31, 2019	Year 2 TME Mar 31, 2020	Year 3 TME Mar 31, 2021	Year 4 Year End Mar 31, 2022 (Assumes new rates Eff Oct 1, 2022)
1 Rate Base	\$ 1,231.8	\$ 1,323.2	\$ 1,431.8	\$ 1,540.5
2				
3 Common Equity (Rate base * The imputed common equity ratio of 48%)	\$ 591.3	\$ 635.1	\$ 687.3	\$ 739.4
4				
5 ROE's filed in Earnings Reports to the PSC for each rate year	7.00%	9.80%	10.50%	4.02%
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%	4.02%
8				
9 Actual (calculated) Net Income for CE	\$ 41.4	\$ 62.2	\$ 72.2	\$ 29.7
10				
11 ROE Sharing threshold (per JP - Section 5.3)	9.50%	9.50%	9.50%	9.50%
12				
13				
14				

Earnings Sharing Calculation:

Earnings Sharing Report is due by	Year 1	Year 2	Year 3	Stay-Out - Period
	8/31/19	8/31/20	8/31/21	Year 4 8/31/22
21 Actual Net Income	\$ 41.4	\$ 62.2	\$ 71.2	\$ 25.1
22 Adjustment to exclude amounts previously in excess of Earnings threshold	\$ -	\$ -	\$ 0.96	\$ 4.56
23 Adjusted Net Income	\$ 41.4	\$ 62.2	\$ 72.2	\$ 29.7
24 Common equity (after exclusion of Goodwill) at a 48% equity ratio - Stub Period				\$ 739.4
25 Operating Revenues Ratio (Apr-Sep)				37.71%
26 Common equity (after exclusion of Goodwill) at a 48% equity ratio	\$ 591.3	\$ 635.1	\$ 687.3	\$ 278.9
27 Actual ROE (Net Income / Equity)	7.00%	9.79%	10.51%	10.65%
28 ROE Threshold (weighted avg)	9.50%	9.50%	9.50%	9.50%
29 Difference	-2.50%	0.29%	1.01%	1.15%
30 Actual Common Equity	\$ 591.3	\$ 635.1	\$ 687.3	\$ 278.9
31 After-tax Earnings Between Threshold and 10.0%	\$ -	\$ 1.9	\$ 3.4	\$ 1.4
32 After-tax Earnings Between 10.0% and 10.5%	\$ -	\$ -	\$ 3.4	\$ 1.4
33 After-tax Earnings Over 10.5%	\$ -	\$ -	\$ 0.0	\$ 0.4
34 Deferral of 50% of amount Between Threshold and 10.0%, for benefit of Customers	\$ -	\$ 0.9	\$ 1.7	\$ 0.7
35 Deferral of 75% of amount Between 10.0% and 10.5%, for benefit of Customers	\$ -	\$ -	\$ 2.6	\$ 1.0
36 Deferral of 90% of amount Over 10.5%	\$ -	\$ -	\$ 0.0	\$ 0.4
37 Total Deferral for benefit of Customers (after-tax \$)	\$ -	\$ 0.93	\$ 4.33	\$ 2.12
38 Combined Federal & State Income Tax Rate	26.14%	26.14%	26.14%	26.14%
39 Deferral grossed up for income taxes (pre-tax \$)	\$ -	\$ 1.3	\$ 5.9	\$ 2.9
40 Carrying costs	\$ -	\$ 0.04	\$ 0.24	\$ 0.49
41 Total Deferral Including Carrying Costs	\$ -	\$ 1.29	\$ 6.14	\$ 3.39
42 Cumulative Deferral	\$ -	\$ 1.29	\$ 7.43	\$ 10.82

Line Notes

3 Actual ROE calculation will use an imputed common equity ratio of 48% as described in JP Section 5.1	27	Line 23 / Line 26
5 Original ROE's in annual Gas earnings filings for respective periods	28	weighted average of line 11
6 Impacts of ROE revisions shown in filing support (discovered after original filings)	29	line 27 - line 28
7 Actual ROE used in the earnings sharing calculation	30	Appropriate years line 3 (Line 24 * Line 25 for stub period)
9 Line 7 x Line 3 (ROE x CE)	31	Line 27 Between Cap and 10.5% * Line 30
11 JP - Section 5.3	32	Line 27 Between 10.0% and 10.5% * Line 30
21 Appropriate years line 9	33	Line 27 Greater than 10.5% * Line 30
22 Adjustment to exclude amounts previously in excess of Earnings threshold (line 37 + Line 40)	34	Line 31 * 50%
Stay-Out Period - if deferral is recorded within the stub period, the previous deferral amount will be removed	35	Line 32 * 75%
23 Line 21 + Line 22	36	Line 33 * 90%
24 Common Equity Ratio for Stub Period	37	Line 34 + Line 35 + Line 36
25 Operating Income Ratio for Stub Period (Apr-Sep)	38	Federal rate 21.0% and NYS 6.5%
26 Appropriate years line 3 (Line 24 * Line 25 for stub period)	39	Line 37 / (1 - Line 38)
	40	Carrying Costs at the Pre-Tax Weighted Cost of Capital on the Deferral Balance Net of Deferred Taxes

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>	<u>Avg Bal</u> <u>HYE 12/31/2016</u>	<u>Actual</u> <u>Balance at</u> <u>12/31/2016</u>	<u>Forecast</u> <u>Balance at</u> <u>3/31/2018</u>	<u>Mechanism</u> <u>Ongoing/</u> <u>Discontinued/</u> <u>Proposed</u>	<u>Carrying</u> <u>Charges</u>
Regulatory Assets & Liabilities with Proposed Surcharge with No Interest EXCLUDED from Rate Base						
2540583	Pens Exp Defrid-El	\$ 10,133	\$ 16,362	\$ 34,178	Ongoing	None
2540584	OPEB Exp Defrid-El	(76,148)	(69,792)	(54,976)	Ongoing	None
Total of Accounts w/ Recovery but NOT in Rate Base		<u>\$ (66,016)</u>	<u>\$ (53,430)</u>	<u>\$ (20,798)</u>		
Regulatory Assets & Liabilities with Proposed Surcharge with Interest EXCLUDED in Rate Base						
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 Chrg	574	302	302	Ongoing	Yes - Pre-Tax WACC
1823291	Leg Trans Charge	768	-	-	Ongoing	Yes - Pre-Tax WACC
1823292	Elec Supp Rec Mech	1,680	1,472	1,472	Ongoing	Yes - Pre-Tax WACC
1823574	Vegetation Mgmt Def	16,177	16,159	16,159	Discontinued	Yes - Pre-Tax WACC
1823599	DunkirkII Def-Excess	281	-	-	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 Program	(1,982)	(2,287)	(3,245)	Discontinued ¹	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)	-	-	Ongoing	Yes - Pre-Tax WACC
2540314	Excess Storm Reserve	(126,639)	(141,139)	(141,139)	Ongoing	Yes - Pre-Tax WACC
2540319	Cap Tracker-Electric	(11,025)	(19,182)	(16,682)	Ongoing	Yes - Pre-Tax WACC
2540488	Debt True up-Elect	(38,061)	(45,909)	(58,617)	Ongoing	Yes - Pre-Tax WACC
2540490	Consumr Serv Advocat	(90)	(90)	(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 Aucn 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-Trasm 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	Bonus Depr Adj Elec	(464)	(3,070)	(9,699)	Discontinued	Yes - Pre-Tax WACC
2540559	Bonus Dep Adj Gas	(159)	-	-	Discontinued	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	Demand Response Prog	(7)	-	-	Ongoing	N/A
2540614	NUPD-Mec-E-15-M-0744	7,953	31,863	114,836	Ongoing	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	LED Streetlighting	-	-	3,192	Proposed	N/A
No Number 2	Emerald Ash Borer Tree Removal	-	-	11,667	Proposed	N/A
Total of Accounts w/ Recovery but NOT in Rate Base		<u>\$ (445,945)</u>	<u>\$ (563,641)</u>	<u>\$ (520,256)</u>		
Total Accounts included in Surcharge				<u>\$ (541,054)</u>		

* - 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.

¹The 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>	<u>Avg Bal</u> <u>HYE 12/31/2016</u>	<u>Actual</u> <u>Balance at</u> <u>12/31/2016</u>	<u>Forecast</u> <u>Balance at</u> <u>3/31/2018</u>	<u>Mechanism</u> <u>Ongoing/</u> <u>Discontinued/</u> <u>Proposed</u>	<u>Carrying</u> <u>Charges</u>
<u>Other Regulatory Assets & Liabilities Included in Rate Base</u>						
1823024	Enhanced Svrnce 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 Seprn 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		
<u>Other Regulatory Assets & Liabilities Excluded from Rate Base</u>						
1823005	Envir SIR Res Offset	\$ 313,180	\$ 314,704	\$ 314,704	Ongoing	N/A
1823043	Asset Ret Obligation	5,724	6,251	6,251	Ongoing	N/A
1823070	Gas Futures-Supply	(1,169)	(1,440)	(1,440)	Ongoing	N/A
1823071	Elec Swaps-Supply	73,991	47,225	47,225	Ongoing	N/A
1823089	Commodity Timing Impact	4,241	12,566	12,566	Ongoing	N/A
1823158	FAS158-Pension	217,556	202,476	202,476	Ongoing	N/A
1823159	FAS158-OPEB	307,797	279,849	279,849	Ongoing	N/A
1823250	Pen/FAS106 Purch	(0)	-	-	Discontinued	N/A
2540089	Commodity Timing Impact	(1,481)	-	-	Ongoing	N/A
2540569	Gas Futures-Gas Sply	30	38	38	Ongoing	N/A
2540571	Elec Swaps-Elec Sply	(10,656)	(3,318)	(3,318)	Ongoing	N/A
Total of Other Reg. Assets Excluded from Rate Base		\$ 909,214	\$ 858,351	\$ 858,351		
<u>Other Assets & Liabilities Included in Rate Base</u>						
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 & Liabilities Included in Rate Base		\$ (110,495)	\$ (122,409)	\$ (82,603)		

* - 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)

ELECTRIC EXAMPLE

	(a)	(b)	(c)	(d)	(e)
<u>Month</u>	<u>Beginning Balance</u>	<u>Spending in Excess of Threshold</u>	<u>Interest Rate</u>	<u>Interest</u>	<u>Ending Balance</u>
			8.07%		
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)
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	(1,900,000.00)	450,000.00	0.67%	(8,315.88)	(1,450,000.00)
Jan-19	(1,450,000.00)	350,000.00	0.67%	(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)
				(86,199.65)	

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

	<u>Electric Pension Rate Year One</u>	<u>Electric Pension Rate Year Two</u>	<u>Electric Pension Rate Year Three</u>
1 Actual Expense	\$ 39,000	\$ 8,000	\$ 1,000
2 Rate Allowance	<u>\$ 33,185</u>	<u>\$ 8,852</u>	<u>\$ 744</u>
3 Amount Deferred to (from) customers	<u><u>\$ (5,815)</u></u>	<u><u>\$ 852</u></u>	<u><u>\$ (256)</u></u>

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

	<u>Electric OPEB Rate Year One</u>	<u>Electric OPEB Rate Year Two</u>	<u>Electric OPEB Rate Year Three</u>
4 Actual Expense	\$ 17,000	\$ 15,000	\$ 5,000
5 Rate Allowance	<u>\$ 17,591</u>	<u>\$ 11,167</u>	<u>\$ 2,178</u>
6 Amount Deferred to (from) customers	<u><u>\$ 591</u></u>	<u><u>\$ (3,833)</u></u>	<u><u>\$ (2,822)</u></u>

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

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

	Electric Rate Year One	Electric Rate Year Two	Electric Rate Year Three
1 Actual Discounts Provided	\$ 57,300	\$ 55,900	\$ 56,800
2 Amount of Discounts in Rate Allowance	<u>\$ 56,594</u>	<u>\$ 56,594</u>	<u>\$ 56,594</u>
3 Difference	<u>\$ (706)</u>	<u>\$ 694</u>	<u>\$ (206)</u>
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 Rate Year One	Electric Rate Year Two	Electric Rate Year Three
1 Actual Discounts Provided	\$ 55,800	\$ 56,500	\$ 56,900
2 Amount of Discounts in Rate Allowance	<u>\$ 56,594</u>	<u>\$ 56,594</u>	<u>\$ 56,594</u>
3 Difference	<u>\$ 794</u>	<u>\$ 94</u>	<u>\$ (306)</u>
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
- 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 future 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 customers.

7

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

	Electric Rate Year One	Electric Rate Year Two	Electric Rate 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	<u>\$ 2,193</u>	<u>\$ 2,120</u>	<u>\$ 1,721</u>
7 Amount Deferred to customers / (due from customers)	<u>\$ (57)</u>	<u>\$ 120</u>	<u>\$ (80)</u>

Notes (by line number)

- 1 Input - Actual Customer EZR, EJP, & SC12 Discounts provided
- 3 Forecasted SC12 Rate Year Discounts. See Page 2 of 2, Line 1
- 4 Forecasted EZR Rate Year Discounts. See Page 2 of 2, Line 2
- 5 Forecasted EJP Rate Year Discounts. See Page 2 of 2, Line 3
- 6 Line 3 + Line 4 + Line 5
- 7 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

<u>Lines</u>	<u>Annual Discounts</u>	Fiscal Year <u>2019</u>	Fiscal Year <u>2020</u>	Fiscal Year <u>2021</u>
1	SC12 Discounts	(\$176,667)	\$69,722	\$69,722
2	Empire Zone Rider (EZR) Discount	\$2,000,000	\$1,600,000	\$1,100,000
3	Excelsior Job Program (EJP) Discount	\$370,000	\$450,000	\$550,800
4	Total SC12, EZR, and EJP Discounts - Annual	<u>\$2,193,333</u>	<u>\$2,119,722</u>	<u>\$1,720,522</u>
	<u>Monthly Discount Target</u>			
5	SC12 Discounts	(\$14,722)	\$5,810	\$5,810
6	Empire Zone Rider (EZR) Discount	\$166,667	\$133,333	\$91,667
7	Excelsior Job Program (EJP) Discount	\$30,833	\$37,500	\$45,900
8	Total SC12, EZR, and EJP Discounts - Monthly	<u>\$182,778</u>	<u>\$176,644</u>	<u>\$143,377</u>

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>Electric Rate Year One</u>	<u>Electric Rate Year Two</u>	<u>Electric Rate Year Three</u>
1 Actual Expense	\$ 12,000	\$ 10,000	\$ 11,500
2 Rate Allowance	<u>\$ 11,000</u>	<u>\$ 11,000</u>	<u>\$ 11,000</u>
3 Difference	<u>\$ (1,000)</u>	<u>\$ 1,000</u>	<u>\$ (500)</u>
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>Electric Rate Year One</u>	<u>Electric Rate Year Two</u>	<u>Electric Rate Year Three</u>
1 Actual Expense	\$ 10,500	\$ 11,200	\$ 11,200
2 Rate Allowance	<u>\$ 11,000</u>	<u>\$ 11,000</u>	<u>\$ 11,000</u>
3 Difference	<u>\$ 500</u>	<u>\$ (200)</u>	<u>\$ (200)</u>
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

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 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
Deferral of Electric Auction Debt True-up
(\$000's)

ELECTRIC EXAMPLE

	<u>Electric Rate Year One</u>
1 Actual Interest Expense	\$ 17,000
2 Annual Rate Allowance	<u>\$ 17,257</u>
3 Amount Deferred to (from) customers	<u><u>\$ 257</u></u>

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

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)

<u>LONG-TERM DEBT</u>	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
		<u>\$429,465</u>	<u>1.65%</u>		<u>4.96%</u>	<u>21,298</u>
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

	<u>Electric Rate Year One</u>	<u>Electric Rate Year Two</u>	<u>Electric Rate Year Three</u>
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
- 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 Date	Principal Amount	Rate Year 1 Effective Rate	Rate Year 1 Interest & Expenses	Rate Year 2 Effective Rate	Rate Year 2 Interest & Expenses	Rate Year 3 Effective Rate	Rate Year 3 Interest & 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 Year Ending March 31, 2019

	Total Electric Revenue Requirement Target	Total Electric Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Electric Net Utility Plant in Service (d)	Electric Depreciation 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	<u>\$ 793,801</u>				<u>\$ 562,146</u>	<u>\$ 231,655</u>
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	<u>\$ 794,773</u>				<u>\$ 562,097</u>	<u>\$ 232,676</u>
Actuals higher/(lower) than Target	<u>\$ 971</u>					

*Amounts include allocated portion of common plant (84% Electric, 16% Gas)

Rate Year Ending March 31, 2020

	Total Electric Revenue Requirement Target	Total Electric Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Electric Net Utility Plant in Service (d)	Electric Depreciation 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	<u>\$ 831,870</u>				<u>\$ 588,918</u>	<u>\$ 242,952</u>
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	<u>\$ 830,141</u>				<u>\$ 587,209</u>	<u>\$ 242,932</u>
Actuals higher/(lower) than Target	<u>\$ (1,729)</u>					

*Amounts include allocated portion of common plant (84% Electric, 16% Gas)

Rate Year Ending March 31, 2021

	Total Electric Revenue Requirement Target	Total Electric Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Electric Net Utility Plant in Service (d)	Electric Depreciation 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	<u>\$ 871,228</u>				<u>\$ 617,206</u>	<u>\$ 254,022</u>
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	<u>\$ 871,842</u>				<u>\$ 617,820</u>	<u>\$ 254,022</u>
Actuals higher/(lower) than Target	<u>\$ 614</u>					

*Amounts include allocated portion of common plant (84% Electric, 16% Gas)

3 Year Cumulative Revenue Requirement Actuals	\$ 2,496,756
3 Year Cumulative Revenue Requirement Target	<u>\$ 2,496,900</u>
3 Year Cumulative Actuals higher/lower than Target	<u>\$ (144)</u>

Note: Downward only reconciliation - no amounts due from customers if actuals are higher 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
(\$000s)

Assumptions in Rate Allowance:	Closing Rules (months)	Composite Depreciation Rate	Example of Displaced Distribution Line Capital Project included in Rate Allowance:	
Tran Substations	12	2.55%		
Dist Substations	12	2.04%		
Tran lines	8	1.94%		
Dist lines	5	2.03%		
Dist line transformers	1	2.90%		
Dist meters	1	5.87%		
				Capex Forecast
			FY 2019	\$ 500
			FY 2020	\$ 700
			FY 2021	\$ -
				<u>\$1,200</u>

Summary of Revenue Requirement Impact (Carrying Charge) of NWA Displaced Capital Project	
FY 2019	\$ 8
FY 2020	\$ 55
FY 2021	\$ 111
Total Revenue Requirement Impact (Carrying Charge)	<u>\$174</u>

	Rate Allowance							Total Revenue Requirement (g)	
	Electric Cash flow Percentages in Rate Allowance (Note 1) (a)	Capital Expend. Cash flows To Construction Work in Progress (Note 2) (a)	Capital Expend. Closes To Plant In-Service (Note 3) (a)	Plant Balance (b)	Depreciation Expense 2.03% (Note 4) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (e)		Pre - Tax WACC (Note 5) (f)
							(b) + (d)	(f)	(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	\$ 0
Oct-2018	9.97%	\$ 50	\$ 34	\$ 65	\$ 0	\$ (0)	\$ 65	\$ 0	\$ 0
Nov-2018	7.51%	\$ 38	\$ 44	\$ 109	\$ 0	\$ (0)	\$ 109	\$ 1	\$ 1
Dec-2018	8.12%	\$ 41	\$ 42	\$ 152	\$ 0	\$ (0)	\$ 151	\$ 1	\$ 1
Jan-2019	6.93%	\$ 35	\$ 43	\$ 195	\$ 0	\$ (1)	\$ 194	\$ 1	\$ 1
Feb-2019	8.08%	\$ 40	\$ 36	\$ 231	\$ 0	\$ (1)	\$ 230	\$ 2	\$ 2
Mar-2019	13.22%	\$ 66	\$ 50	\$ 281	\$ 0	\$ (1)	\$ 279	\$ 1	\$ 1
	100.00%	\$500	\$281	\$77	\$1	\$ (0)	\$77	\$6	\$8

	Rate Allowance							Total Revenue Requirement (g)	
	Electric Cash flow Percentages in Rate Allowance (Note 1) (a)	Capital Expend. Cash flows To Construction Work in Progress (Note 2) (a)	Capital Expend. Closes To Plant In-Service (Note 3) (a)	Plant Balance (b)	Depreciation Expense 2.03% (Note 4) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (e)		Pre - Tax WACC 8.02% (Note 5) (f)
							(b) + (d)	(f)	(c)+(f)
Mar-2019				\$ 281	\$	(1)	\$ 279	\$ 1	\$ 1
Apr-2019	6.35%	\$ 44	\$ 38	\$ 318	\$ 0	(2)	\$ 316	\$ 2	\$ 2
May-2019	6.72%	\$ 47	\$ 41	\$ 359	\$ 1	(2)	\$ 357	\$ 2	\$ 2
Jun-2019	8.82%	\$ 62	\$ 35	\$ 394	\$ 1	(3)	\$ 391	\$ 3	\$ 3
Jul-2019	8.46%	\$ 59	\$ 40	\$ 434	\$ 1	(4)	\$ 430	\$ 3	\$ 3
Aug-2019	8.60%	\$ 60	\$ 66	\$ 500	\$ 1	(4)	\$ 496	\$ 3	\$ 3
Sep-2019	7.21%	\$ 50	\$ 44	\$ 544	\$ 1	(5)	\$ 539	\$ 4	\$ 4
Oct-2019	9.97%	\$ 70	\$ 47	\$ 592	\$ 1	(6)	\$ 585	\$ 4	\$ 4
Nov-2019	7.51%	\$ 53	\$ 62	\$ 653	\$ 1	(7)	\$ 646	\$ 4	\$ 4
Dec-2019	8.12%	\$ 57	\$ 59	\$ 712	\$ 1	(8)	\$ 704	\$ 5	\$ 5
Jan-2020	6.93%	\$ 48	\$ 60	\$ 773	\$ 1	(9)	\$ 763	\$ 5	\$ 5
Feb-2020	8.08%	\$ 57	\$ 50	\$ 823	\$ 1	(11)	\$ 812	\$ 5	\$ 5
Mar-2020	13.22%	\$ 93	\$ 70	\$ 893	\$ 1	(12)	\$ 881	\$ 3	\$ 3
	100.00%	\$700	\$612	\$557	\$11	(6)	\$552	\$44	\$55

	Rate Allowance							Total Revenue Requirement (g)	
	Electric Cash flow Percentages in Rate Allowance (Note 1) (a)	Capital Expend. Cash flows To Construction Work in Progress (Note 2) (a)	Capital Expend. Closes To Plant In-Service (Note 3) (a)	Plant Balance (b)	Depreciation Expense 2.03% (Note 4) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (e)		Pre - Tax WACC 7.99% (Note 5) (f)
							(b) + (d)	(f)	(c)+(f)
Mar-2020				\$ 893	\$	(12)	\$ 881	\$ 3	\$ 3
Apr-2020	6.35%	\$ -	\$ 53	\$ 946	\$ 2	(14)	\$ 932	\$ 6	\$ 6
May-2020	6.72%	\$ -	\$ 57	\$ 1,002	\$ 2	(15)	\$ 987	\$ 7	\$ 7
Jun-2020	8.82%	\$ -	\$ 48	\$ 1,051	\$ 2	(17)	\$ 1,034	\$ 7	\$ 7
Jul-2020	8.46%	\$ -	\$ 57	\$ 1,107	\$ 2	(19)	\$ 1,089	\$ 7	\$ 7
Aug-2020	8.60%	\$ -	\$ 93	\$ 1,200	\$ 2	(21)	\$ 1,179	\$ 8	\$ 8
Sep-2020	7.21%	\$ -	\$ -	\$ 1,200	\$ 2	(23)	\$ 1,177	\$ 8	\$ 8
Oct-2020	9.97%	\$ -	\$ -	\$ 1,200	\$ 2	(25)	\$ 1,175	\$ 8	\$ 8
Nov-2020	7.51%	\$ -	\$ -	\$ 1,200	\$ 2	(27)	\$ 1,173	\$ 8	\$ 8
Dec-2020	8.12%	\$ -	\$ -	\$ 1,200	\$ 2	(29)	\$ 1,171	\$ 8	\$ 8
Jan-2021	6.93%	\$ -	\$ -	\$ 1,200	\$ 2	(31)	\$ 1,169	\$ 8	\$ 8
Feb-2021	8.08%	\$ -	\$ -	\$ 1,200	\$ 2	(33)	\$ 1,167	\$ 8	\$ 8
Mar-2021	13.22%	\$ -	\$ -	\$ 1,200	\$ 2	(35)	\$ 1,165	\$ 4	\$ 4
	100.00%	\$0	\$307	\$1,129	\$23	(23)	\$1,107	\$88	\$111

Notes and Assumptions:

- Monthly cash flow percentages in Rate Allowance based on two year average of 2015 and 2016 percentages
- Allocate fiscal year total capex forecast based on monthly cash flow percentages
- 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
- Depreciation is based on the approved composite depreciation rate for the associated project type
- Utilizes pre-tax WACC by fiscal year per filing with a 9.00% ROE.
- 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.
- 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

	<u>Electric Rate Year One</u>	<u>Electric Rate Year Two</u>	<u>Electric Rate Year Three</u>
1 Actual Expense	\$ 25,716	\$ 25,000	\$ 21,000
2 Rate Allowance	<u>\$ 23,000</u>	<u>\$ 23,000</u>	<u>\$ 23,000</u>
3 Amount Deferred to (from) customers	<u>\$ (2,716)</u>	<u>\$ (2,000)</u>	<u>\$ 2,000</u>

Notes (by line number)

- 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

	<u>Electric Rate Year One</u>	<u>Electric Rate Year Two</u>	<u>Electric Rate Year Three</u>
1 Actual Expense	\$ 28,000	\$ 26,000	\$ 30,000
2 Rate Allowance	<u>\$ 27,321</u>	<u>\$ 27,321</u>	<u>\$ 27,321</u>
3 Amount Deferred to (from) customers	<u><u>\$ (679)</u></u>	<u><u>\$ 1,321</u></u>	<u><u>\$ (2,679)</u></u>

Notes (by line number)

- 1 Hypothetical Actual Costs
- 2 Forecasted Rate Year expense. See Joint Proposal Section 10.1.6
- 3 Line 2 less Line 1

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
General Principles of the SIR Deferral 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 base¹ 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.

¹ 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

	<u>Electric Rate Year One</u>	<u>Electric Rate Year Two</u>	<u>Electric Rate Year Three</u>
1 Actual Expense	\$ 180,000	\$ 190,000	\$ 200,000
2 Rate Allowance	<u>\$ 183,024</u>	<u>\$ 189,211</u>	<u>\$ 195,164</u>
3 Under (over) spending	\$ 3,024	\$ (789)	\$ (4,836)
4 Customer share of under (over) spending	<u>80%</u>	<u>80%</u>	<u>80%</u>
5 Amount Deferred to (from) Customers	<u><u>\$ 2,419</u></u>	<u><u>\$ (631)</u></u>	<u><u>\$ (3,869)</u></u>

Notes (by line number)

- 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

	<u>Electric Rate Year One</u>	<u>Electric Rate Year Two</u>	<u>Electric Rate Year Three</u>
1 Actual Expense	\$ 18,000	\$ 16,000	\$ 19,000
2 Rate Allowance	\$ 17,848	\$ 18,390	\$ 18,910
3 Amount Deferred to Customers	<u>\$ -</u>	<u>\$ 2,390</u>	<u>\$ -</u>

If the actual expense is greater than the rate allowance, there is no additional recovery from customers. This is a downward only reconciliation.

Notes (by line number)

- 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 expected 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

	<u>Electric Rate Year One</u>	<u>Electric Rate Year Two</u>	<u>Electric Rate Year Three</u>
1 Actual Expense	\$ 186,000	\$ 182,000	\$ 189,000
2 Rate Allowance	<u>\$ 185,696</u>	<u>\$ 185,696</u>	<u>\$ 185,696</u>
3 Amount Deferred to (from) customers	<u>\$ (304)</u>	<u>\$ 3,696</u>	<u>\$ (3,304)</u>

Notes (by line number)

- 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 db/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Wholesale Revenue Rate Year
(Whole \$)
For Rate Ending March 31, 2019

Lines	Rate Schedule	Transmission Service	Rate Year 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	NYP&A - 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	218,240	218,240	218,240	218,240	218,240	218,240	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	-	-	-	-	-	-	-	-	-	-	-	-	-
9	R.S. 171	Selkirk	-	-	-	-	-	-	-	-	-	-	-	-	-
10	R.S. 178	Sithe Independence	-	-	-	-	-	-	-	-	-	-	-	-	-
8	R.S. 174	City of Watertown	80,000	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667
9	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
11	N/A	Congestion balancing settlement	(31,200,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)
12		TRANSMISSION REVENUE SUBJECT TO TRAC:	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

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

Lines	Rate Schedule	Transmission Service	Data Year Total	Data Year													
				Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20		
1	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	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	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	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	181,280	181,280
5	R.S. 142	Fitzpatrick Wheeling	2,999,040	218,240	218,240	218,240	218,240	218,240	218,240	218,240	218,240	218,240	218,240	218,240	218,240	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	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	779,520	779,520
8	R.S. 174	City of Watertown	80,000	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667
9	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	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	14,450,000	14,450,000
11	N/A	Congestion balancing settlement	(61,200,000)	(6,000,000)	(6,000,000)	(6,000,000)	(6,000,000)	(6,000,000)	(6,000,000)	(6,000,000)	(6,000,000)	(6,000,000)	(6,000,000)	(6,000,000)	(6,000,000)	(6,000,000)	(6,000,000)
12		TRANSMISSION REVENUE SUBJECT TO TRAC:	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	15,506,310	15,506,310	15,506,310	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, 2021

Lines	Rate Schedule	Transmission Service	Total	Data Year	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21
1	R.S. 134	NYP&A - 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	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	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	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	181,280
5	R.S. 142	Fitzpatrick Wheeling	2,999,040	218,240	218,240	218,240	218,240	218,240	218,240	218,240	218,240	218,240	218,240	218,240	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	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	779,520
8	R.S. 174	City of Watertown	80,000	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667
9	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	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	14,450,000
11	N/A	Congestion balancing settlement	(61,200,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)	(2,600,000)
12		TRANSMISSION REVENUE SUBJECT TO TRAC:	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
Light Emitting Diode (LED) Deferral
Example of LED Revenue Requirement Compared to Rate Allowance
(\$000s)

FY 2019	Rate Allowance						Example of Annual Spend Under Rate Allowance						Amount Subject to Deferral Asset / (Liability) (o) - (g)		
	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)	Pre - Tax WACC 8.07% (Note 3) (f)	Total Revenue Requirement (g)	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)		Pre - Tax WACC 8.07% (Note 3) (m)	Total Revenue Requirement (n)
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
Mar-2018		0		0	0				0		0	0			
Apr-2018	492	492	0	0	492	3		318	318	0	0	318	2		
May-2018	520	1,013	2	(2)	1,011	7		336	654	1	(1)	652	4		
Jun-2018	683	1,696	4	(7)	1,690	11		441	1,095	3	(4)	1,091	7		
Jul-2018	655	2,351	7	(14)	2,337	16		423	1,518	5	(9)	1,509	10		
Aug-2018	666	3,017	10	(24)	2,993	20		430	1,948	7	(16)	1,932	13		
Sep-2018	559	3,576	13	(37)	3,539	24		361	2,308	8	(24)	2,285	15		
Oct-2018	773	4,348	15	(53)	4,296	29		499	2,807	10	(34)	2,773	19		
Nov-2018	582	4,930	19	(71)	4,859	33		376	3,183	12	(46)	3,137	21		
Dec-2018	629	5,559	21	(93)	5,466	37		406	3,589	14	(60)	3,529	24		
Jan-2019	536	6,096	24	(117)	5,979	40		346	3,935	16	(75)	3,860	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		661	5,000	19	(111)	4,889	16		
	7,745	3,639	172	(54)	3,585	289	462	5,000	2,350	111	(35)	2,315	187	298	(164)

FY 2020	Rate Allowance						Ex. of Annual Spend Over Rate Allowance, Cumulative Spend Under Rate Allowance						Amount Subject to Deferral Asset / (Liability) (o) - (g)		
	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)	Pre - Tax WACC 8.02% (Note 3) (f)	Total Revenue Requirement (g)	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)		Pre - Tax WACC 8.02% (Note 3) (m)	Total Revenue Requirement (n)
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
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	683	9,441	38	(280)	9,161	61		882	7,190	27	(52)	7,138	48		
Jul-2019	655	10,096	41	(321)	9,775	65		846	8,035	31	(83)	7,953	53		
Aug-2019	666	10,762	44	(364)	10,398	69		860	8,896	35	(118)	8,778	59		
Sep-2019	559	11,321	47	(411)	10,910	73		721	9,617	39	(156)	9,461	63		
Oct-2019	773	12,093	49	(460)	11,633	78		997	10,614	42	(198)	10,417	70		
Nov-2019	582	12,675	52	(512)	12,163	81		751	11,366	46	(244)	11,122	74		
Dec-2019	629	13,304	55	(567)	12,737	85		812	12,178	49	(293)	11,885	79		
Jan-2020	536	13,841	58	(625)	13,216	88		693	12,871	53	(346)	12,525	84		
Feb-2020	626	14,466	60	(685)	13,781	92		808	13,678	56	(402)	13,277	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)

FY 2021	Rate Allowance						Example of Both Annual and Cumulative Spend Over Rate Allowance						Amount Subject to Deferral Asset / (Liability) (o) - (g)		
	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)	Pre - Tax WACC 7.99% (Note 3) (f)	Total Revenue Requirement (g)	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)		Pre - Tax WACC 7.99% (Note 3) (m)	Total Revenue Requirement (n)
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
Mar-2020		15,490		(748)	14,742	49			15,000		(461)	14,539	49		
Apr-2020	492	15,982	67	(815)	15,167	101		953	15,953	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	683	17,186	72	(956)	16,231	108		1,324	18,285	73	(143)	18,142	121		
Jul-2020	655	17,841	74	(1,030)	16,811	112		1,268	19,553	79	(222)	19,331	129		
Aug-2020	666	18,507	77	(1,107)	17,400	116		1,290	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	773	19,838	83	(1,270)	18,568	124		1,496	23,422	95	(492)	22,930	153		
Nov-2020	582	20,420	86	(1,356)	19,064	127		1,127	24,549	101	(593)	23,955	159		
Dec-2020	629	21,049	88	(1,445)	19,605	130		1,218	25,767	106	(700)	25,067	167		
Jan-2021	536	21,586	91	(1,536)	20,050	133		1,039	26,806	112	(811)	25,994	173		
Feb-2021	626	22,211	94	(1,629)	20,582	137		1,212	28,018	116	(928)	27,090	180		
Mar-2021	1,024	23,235	96	(1,726)	21,509	72		1,982	30,000	121	(1,049)	28,951	96		
	7,745	19,129	978	(1,204)	17,925	1,432	2,410	15,000	22,049	1,114	(495)	21,553	1,721	2,835	426

Notes and Assumptions:

- 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.
- Depreciation is based on the approved composite depreciation rate for LED luminaires.
- Utilizes pre-tax WACC by fiscal year per filing with a 9.00% ROE.
- 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.
- The FY 2020 balances will be rolled forward to FY 2021, calculating a return on the net plant investment and associated depreciation expense.
- Tracker is capped at an annual 20 percent LED conversion rate.

Niagara Mohawk Power Corporation d/b/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 1
Net Plant/Depreciation Tracker Under
LED Net Plant/Depreciation Tracker Under

- 1) No Net Utility Plant Regulatory Liability Required - 100% Related to LED
- 2) Record LED Revenue Requirement Net Plant Underage as a Regulatory Liability

1) Assume all other components of net plant forecast results match forecast allowed in rates exactly, except for LED actual cost is lower than forecast. Regulatory liability is generated from the LED tracker only:

Total Net Utility Plant/ Depreciation including LED	FY2019	FY2020	FY2021
Average Net Plant	\$6,969,686,893	\$7,347,161,806	\$7,729,004,989
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	\$562,145,939	\$588,917,914	\$617,206,175
Depreciation	\$231,655,210	\$242,952,026	\$254,022,252
Total Net Plant/Depreciation Revenue Requirement	\$793,801,150	\$831,869,941	\$871,228,425

Assumed Actual Results	FY2019	FY2020	FY2021
	\$6,968,686,893	\$7,345,161,806	\$7,726,004,989
	8.07%	8.02%	7.99%
	\$562,065,284	\$588,757,602	\$616,966,605
	\$231,631,810	\$242,905,226	\$253,952,052
	\$793,697,094	\$831,662,829	\$870,918,658

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)
	(\$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	FY2019	FY2020	FY2021
LED Average Net Plant	\$3,585,447	\$10,956,610	\$17,925,034
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	\$289,187	\$878,236	\$1,431,419
LED Depreciation	\$172,467	\$575,207	\$977,947
LED Net Plant/Depreciation Revenue Requirement	\$461,654	\$1,453,443	\$2,409,365

Assumed Actual Results	FY2019	FY2020	FY2021
	\$2,585,447	\$8,956,610	\$14,925,034
	8.07%	8.02%	7.99%
	\$208,531	\$717,925	\$1,191,851
	\$149,067	\$528,407	\$907,747
	\$357,598	\$1,246,331	\$2,099,598

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)
	(\$23,400)	(\$46,800)	(\$70,200)
	(\$104,056)	(\$207,112)	(\$309,768)

3) Net the LED Tracker with the Total Net Plant Tracker:

Net Utility Plant/ Depreciation Tracker Mechanism excluding LED	FY2019	FY2020	FY2021
Average Net Plant (Net LED Tracker from Total Net Plant Tracker)	\$6,966,101,446	\$7,336,205,195	\$7,711,079,955
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase (Net LED Tracker from Total Net Plant Tracker)	\$561,856,752	\$588,039,678	\$615,774,754
Depreciation (Net LED Tracker from Total Net Plant Tracker)	\$231,482,744	\$242,376,820	\$253,044,305
Total Net Plant/Depreciation Revenue Requirement (Net of LED Tracker)	\$793,339,496	\$830,416,497	\$868,819,060

Assumed Actual Results	FY2019	FY2020	FY2021
	\$6,966,101,446	\$7,336,205,195	\$7,711,079,955
	8.07%	8.02%	7.99%
	\$561,856,752	\$588,039,678	\$615,774,754
	\$231,482,744	\$242,376,820	\$253,044,305
	\$793,339,496	\$830,416,497	\$868,819,060

Difference - Regulatory Asset/(Liability)	FY2019	FY2020	FY2021
	\$0	\$0	\$0
	8.07%	8.02%	7.99%
	\$0	\$0	\$0
	\$0	\$0	\$0
	\$0	\$0	\$0

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)

	(\$104,056)	(\$207,112)	(\$309,768)
	\$0	\$0	\$0
	(\$104,056)	(\$207,112)	(\$309,768)

Niagara Mohawk Power Corporation d/b/a National Grid

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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 Under 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:

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
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

Assumed Actual Results		
FY2019	FY2020	FY2021
\$6,963,686,893	\$7,338,161,806	\$7,717,004,989
8.07%	8.02%	7.99%
\$561,662,004	\$588,196,512	\$616,247,903
\$231,514,810	\$242,741,426	\$253,741,452
\$793,176,815	\$830,937,938	\$869,989,355

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)	(\$938,270)
(\$140,400)	(\$210,600)	(\$280,800)
(\$624,335)	(\$932,003)	(\$1,239,070)

2) LED net plant/depreciation will be booked as a regulatory 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		
FY2019	FY2020	FY2021
\$3,585,447	\$10,956,610	\$17,925,034
8.07%	8.02%	7.99%
\$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	FY2020	FY2021
\$2,585,447	\$8,956,610	\$14,925,034
8.07%	8.02%	7.99%
\$208,531	\$717,925	\$1,191,851
\$149,067	\$528,407	\$907,747
\$357,598	\$1,246,331	\$2,099,598

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)
(\$23,400)	(\$46,800)	(\$70,200)
(\$104,056)	(\$207,112)	(\$309,768)

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)

Forecast Allowed in Rates		
FY2019	FY2020	FY2021
\$6,966,101,446	\$7,336,205,195	\$7,711,079,955
8.07%	8.02%	7.99%
\$561,856,752	\$588,039,678	\$615,774,754
\$231,482,744	\$242,376,820	\$253,044,305
\$793,339,496	\$830,416,497	\$868,819,060

Assumed Actual Results		
FY2019	FY2020	FY2021
\$6,961,101,446	\$7,329,205,195	\$7,702,079,955
8.07%	8.02%	7.99%
\$561,453,473	\$587,478,587	\$615,056,052
\$231,365,744	\$242,213,020	\$252,833,705
\$792,819,217	\$829,691,607	\$867,889,757

Difference - Regulatory Asset/(Liability)		
FY2019	FY2020	FY2021
(\$5,000,000)	(\$7,000,000)	(\$9,000,000)
8.07%	8.02%	7.99%
(\$403,279)	(\$561,091)	(\$718,703)
(\$117,000)	(\$163,800)	(\$210,600)
(\$520,279)	(\$724,891)	(\$929,303)

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)

(\$104,056)	(\$207,112)	(\$309,768)
(\$520,279)	(\$724,891)	(\$929,303)
(\$624,335)	(\$932,003)	(\$1,239,070)

Niagara Mohawk Power Corporation d/b/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 3

Net Plant/Depreciation Tracker Under
LED Net Plant/Depreciation Tracker Over

- 1) Record Net Utility Plant Regulatory Liability Net of LED 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, except for LED actual costs being higher than forecast. Regulatory liability is generated from the net plant tracker and regulatory asset from LED tracker:

Total Net Utility Plant/ Depreciation including LED	FY2019	FY2020	FY2021
Average Net Plant	\$6,969,686,893	\$7,347,161,806	\$7,729,004,989
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	\$562,145,939	\$588,917,914	\$617,206,175
Depreciation	\$231,655,210	\$242,952,026	\$254,022,252
Total Net Plant/Depreciation Revenue Requirement	\$793,801,150	\$831,869,941	\$871,228,425

Forecast Allowed in Rates	FY2019	FY2020	FY2021
Average Net Plant	\$6,969,686,893	\$7,347,161,806	\$7,729,004,989
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	\$562,145,939	\$588,917,914	\$617,206,175
Depreciation	\$231,655,210	\$242,952,026	\$254,022,252
Total Net Plant/Depreciation Revenue Requirement	\$793,801,150	\$831,869,941	\$871,228,425

Assumed Actual Results	FY2019	FY2020	FY2021
Average Net Plant	\$6,965,686,893	\$7,342,161,806	\$7,723,004,989
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	\$561,823,316	\$588,517,135	\$616,727,038
Depreciation	\$231,561,610	\$242,835,026	\$253,881,852
Total Net Plant/Depreciation Revenue Requirement	\$793,384,927	\$831,352,161	\$870,608,890

Difference - Regulatory Asset/(Liability)	FY2019	FY2020	FY2021
Average Net Plant	(\$4,000,000)	(\$5,000,000)	(\$6,000,000)
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	(\$322,623)	(\$400,779)	(\$479,135)
Depreciation	(\$93,600)	(\$117,000)	(\$140,400)
Total Net Plant/Depreciation Revenue Requirement	(\$416,223)	(\$517,779)	(\$619,535)

2) LED net plant/depreciation will be booked as a regulatory asset:

LED Net Utility Plant/ Depreciation	FY2019	FY2020	FY2021
LED Average Net Plant	\$3,585,447	\$10,956,610	\$17,925,034
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	\$289,187	\$878,236	\$1,431,419
LED Depreciation	\$172,467	\$575,207	\$977,947
LED Net Plant/Depreciation Revenue Requirement	\$461,654	\$1,453,443	\$2,409,365

Forecast Allowed in Rates	FY2019	FY2020	FY2021
Average Net Plant	\$3,585,447	\$10,956,610	\$17,925,034
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	\$289,187	\$878,236	\$1,431,419
LED Depreciation	\$172,467	\$575,207	\$977,947
LED Net Plant/Depreciation Revenue Requirement	\$461,654	\$1,453,443	\$2,409,365

Assumed Actual Results	FY2019	FY2020	FY2021
Average Net Plant	\$4,585,447	\$12,956,610	\$20,925,034
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	\$369,843	\$1,038,548	\$1,670,986
LED Depreciation	\$195,867	\$622,007	\$1,048,147
LED Net Plant/Depreciation Revenue Requirement	\$565,710	\$1,660,555	\$2,719,133

Difference - Regulatory Asset/(Liability)	FY2019	FY2020	FY2021
Average Net Plant	\$1,000,000	\$2,000,000	\$3,000,000
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	\$80,656	\$160,312	\$239,568
LED Depreciation	\$23,400	\$46,800	\$70,200
Total Net Plant/Depreciation Revenue Requirement	\$104,056	\$207,112	\$309,768

3) Net the LED Tracker with the Total Net Plant Tracker:

Net Utility Plant/ Depreciation Tracker Mechanism excluding LED	FY2019	FY2020	FY2021
Average Net Plant (Net LED Tracker from Total Net Plant Tracker)	\$6,966,101,446	\$7,336,205,195	\$7,711,079,955
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase (Net LED Tracker from Total Net Plant Tracker)	\$561,856,752	\$588,039,678	\$615,774,754
Depreciation (Net LED Tracker from Total Net Plant Tracker)	\$231,482,744	\$242,376,820	\$253,044,305
Total Net Plant/Depreciation Revenue Requirement (Net of LED Tracker)	\$793,339,496	\$830,416,497	\$868,819,060

Forecast Allowed in Rates	FY2019	FY2020	FY2021
Average Net Plant	\$6,966,101,446	\$7,336,205,195	\$7,711,079,955
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	\$561,856,752	\$588,039,678	\$615,774,754
Depreciation	\$231,482,744	\$242,376,820	\$253,044,305
Total Net Plant/Depreciation Revenue Requirement	\$793,339,496	\$830,416,497	\$868,819,060

Assumed Actual Results	FY2019	FY2020	FY2021
Average Net Plant	\$6,961,101,446	\$7,329,205,195	\$7,702,079,955
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	\$561,453,473	\$587,478,587	\$615,056,052
Depreciation	\$231,365,744	\$242,213,020	\$252,833,705
Total Net Plant/Depreciation Revenue Requirement	\$792,819,217	\$829,691,607	\$867,889,757

Difference - Regulatory Asset/(Liability)	FY2019	FY2020	FY2021
Average Net Plant	(\$5,000,000)	(\$7,000,000)	(\$9,000,000)
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	(\$403,279)	(\$561,091)	(\$718,703)
Depreciation	(\$117,000)	(\$163,800)	(\$210,600)
Total Net Plant/Depreciation Revenue Requirement	(\$520,279)	(\$724,891)	(\$929,303)

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)

LED Regulatory Asset	\$104,056	\$207,112	\$309,768
Net Plant Tracker Regulatory Liability (excluding LED)	(\$520,279)	(\$724,891)	(\$929,303)
Total Net Plant/Depreciation and LED Net Plant/Depreciation Tracker Combined Results in Net Regulatory Asset/(Liability)	(\$416,223)	(\$517,779)	(\$619,535)

Niagara Mohawk Power Corporation d/b/a National Grid

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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 4
Net Plant/Depreciation Tracker Under Under
LED Net Plant/Depreciation Tracker Under Under
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	FY2019	FY2020	FY2021
Average Net Plant	\$6,969,686,893	\$7,347,161,806	\$7,729,004,989
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	\$562,145,939	\$588,917,914	\$617,206,175
Depreciation	\$231,655,210	\$242,952,026	\$254,022,252
Total Net Plant/Depreciation Revenue Requirement	\$793,801,150	\$831,869,941	\$871,228,425

Forecast Allowed in Rates	FY2019	FY2020	FY2021
Average Net Plant	\$6,969,686,893	\$7,347,161,806	\$7,729,004,989
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	\$562,145,939	\$588,917,914	\$617,206,175
Depreciation	\$231,655,210	\$242,952,026	\$254,022,252
Total Net Plant/Depreciation Revenue Requirement	\$793,801,150	\$831,869,941	\$871,228,425

Assumed Actual Results	FY2019	FY2020	FY2021
Average Net Plant	\$6,968,686,893	\$7,345,161,806	\$7,726,004,989
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	\$562,065,284	\$588,757,602	\$616,966,605
Depreciation	\$231,631,810	\$242,905,226	\$253,952,052
Total Net Plant/Depreciation Revenue Requirement	\$793,697,094	\$831,662,829	\$870,918,658

Difference - Regulatory Asset/(Liability)	FY2019	FY2020	FY2021
Average Net Plant	(\$1,000,000)	(\$2,000,000)	(\$3,000,000)
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	(\$80,656)	(\$160,312)	(\$239,568)
Depreciation	(\$23,400)	(\$46,800)	(\$70,200)
Total Net Plant/Depreciation Revenue Requirement	(\$104,056)	(\$207,112)	(\$309,768)

2) LED net plant/depreciation will be booked as a regulatory liability:

LED Net Utility Plant/ Depreciation	FY2019	FY2020	FY2021
Average Net Plant	\$3,585,447	\$10,956,610	\$17,925,034
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	\$289,187	\$878,236	\$1,431,419
LED Depreciation	\$172,467	\$575,207	\$977,947
LED Net Plant/Depreciation Revenue Requirement	\$461,654	\$1,453,443	\$2,409,365

Forecast Allowed in Rates	FY2019	FY2020	FY2021
Average Net Plant	\$3,585,447	\$10,956,610	\$17,925,034
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	\$289,187	\$878,236	\$1,431,419
LED Depreciation	\$172,467	\$575,207	\$977,947
LED Net Plant/Depreciation Revenue Requirement	\$461,654	\$1,453,443	\$2,409,365

Assumed Actual Results	FY2019	FY2020	FY2021
Average Net Plant	\$1,585,447	\$6,956,610	\$11,925,034
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	\$127,876	\$557,613	\$952,284
LED Depreciation	\$125,667	\$481,607	\$837,547
LED Net Plant/Depreciation Revenue Requirement	\$253,542	\$1,039,220	\$1,789,830

Difference - Regulatory Asset/(Liability)	FY2019	FY2020	FY2021
Average Net Plant	(\$2,000,000)	(\$4,000,000)	(\$6,000,000)
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	(\$161,312)	(\$320,623)	(\$479,135)
LED Depreciation	(\$46,800)	(\$93,600)	(\$140,400)
Total Net Plant/Depreciation Revenue Requirement	(\$208,112)	(\$414,223)	(\$619,535)

3) Net the LED Tracker with the Total Net Plant Tracker:

Net Utility Plant/ Depreciation Tracker Mechanism excluding LED	FY2019	FY2020	FY2021
Average Net Plant (Net LED Tracker from Total Net Plant Tracker)	\$6,966,101,446	\$7,336,205,195	\$7,711,079,955
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase (Net LED Tracker from Total Net Plant Tracker)	\$561,856,752	\$588,039,678	\$615,774,754
Depreciation (Net LED Tracker from Total Net Plant Tracker)	\$231,482,744	\$242,376,820	\$253,044,305
Total Net Plant/Depreciation Revenue Requirement (Net of LED Tracker)	\$793,339,496	\$830,416,497	\$868,819,060

Forecast Allowed in Rates	FY2019	FY2020	FY2021
Average Net Plant (Net LED Tracker from Total Net Plant Tracker)	\$6,966,101,446	\$7,336,205,195	\$7,711,079,955
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase (Net LED Tracker from Total Net Plant Tracker)	\$561,856,752	\$588,039,678	\$615,774,754
Depreciation (Net LED Tracker from Total Net Plant Tracker)	\$231,482,744	\$242,376,820	\$253,044,305
Total Net Plant/Depreciation Revenue Requirement (Net of LED Tracker)	\$793,339,496	\$830,416,497	\$868,819,060

Assumed Actual Results	FY2019	FY2020	FY2021
Average Net Plant (Net LED Tracker from Total Net Plant Tracker)	\$6,967,101,446	\$7,338,205,195	\$7,714,079,955
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase (Net LED Tracker from Total Net Plant Tracker)	\$561,937,408	\$588,199,989	\$616,014,322
Depreciation (Net LED Tracker from Total Net Plant Tracker)	\$231,506,144	\$242,423,620	\$253,114,505
Total Net Plant/Depreciation Revenue Requirement (Net of LED Tracker)	\$793,443,552	\$830,623,609	\$869,128,827

Difference - Regulatory Asset/(Liability)	FY2019	FY2020	FY2021
Average Net Plant (Net LED Tracker from Total Net Plant Tracker)	\$1,000,000	\$2,000,000	\$3,000,000
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase (Net LED Tracker from Total Net Plant Tracker)	\$80,656	\$160,312	\$239,568
Depreciation (Net LED Tracker from Total Net Plant Tracker)	\$23,400	\$46,800	\$70,200
Total Net Plant/Depreciation Revenue Requirement (Net of LED Tracker)	\$104,056	\$207,112	\$309,768

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)

LED Regulatory Liability	(\$208,112)	(\$414,223)	(\$619,535)
Net Plant Tracker Regulatory Liability (excluding LED)	\$0	\$0	\$0
Total Net Plant/Depreciation and LED Net Plant/Depreciation Tracker Combined Results in Net Regulatory Asset/(Liability)	(\$208,112)	(\$414,223)	(\$619,535)

Niagara Mohawk Power Corporation d/b/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 5
 Net Plant/Depreciation Tracker Over
 LED Net Plant/Depreciation Tracker Under

- 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:

Total Net Utility Plant/ Depreciation including LED	Forecast Allowed in Rates	
	FY2019	FY2020
Average Net Plant	\$6,969,686,893	\$7,347,161,806
Pre-Tax Return %	8.07%	8.02%
Return on Ratebase	\$562,145,939	\$588,917,914
Depreciation	\$231,655,210	\$242,952,026
Total Net Plant/Depreciation Revenue Requirement	\$793,801,150	\$831,869,941

	Assumed Actual Results	
	FY2019	FY2020
Average Net Plant	\$6,973,686,893	\$7,352,161,806
Pre-Tax Return %	8.07%	8.02%
Return on Ratebase	\$562,468,563	\$589,318,693
Depreciation	\$231,748,810	\$243,069,026
Total Net Plant/Depreciation Revenue Requirement	\$794,217,373	\$832,387,720

	Difference - Regulatory Asset/(Liability)	
	FY2019	FY2020
Average Net Plant	\$4,000,000	\$5,000,000
Pre-Tax Return %	8.07%	8.02%
Return on Ratebase	\$322,623	\$400,779
Depreciation	\$93,600	\$117,000
Total Net Plant/Depreciation Revenue Requirement	\$416,223	\$517,779

2) LED net plant/depreciation will be booked as a regulatory liability:

LED Net Utility Plant/ Depreciation	Forecast Allowed in Rates	
	FY2019	FY2020
LED Average Net Plant	\$3,585,447	\$10,956,610
Pre-Tax Return %	8.07%	8.02%
Return on Ratebase	\$289,187	\$878,236
LED Depreciation	\$172,467	\$575,207
LED Net Plant/Depreciation Revenue Requirement	\$461,654	\$1,453,443

	Assumed Actual Results	
	FY2019	FY2020
LED Average Net Plant	\$2,585,447	\$8,956,610
Pre-Tax Return %	8.07%	8.02%
Return on Ratebase	\$208,531	\$717,925
LED Depreciation	\$149,067	\$528,407
LED Net Plant/Depreciation Revenue Requirement	\$357,598	\$1,246,331

	Difference - Regulatory Asset/(Liability)	
	FY2019	FY2020
LED Average Net Plant	(\$1,000,000)	(\$2,000,000)
Pre-Tax Return %	8.07%	8.02%
Return on Ratebase	(\$80,656)	(\$160,312)
LED Depreciation	(\$23,400)	(\$46,800)
LED Net Plant/Depreciation Revenue Requirement	(\$104,056)	(\$207,112)

3) Net the LED Tracker with the Total Net Plant Tracker:

Net Utility Plant/ Depreciation Tracker Mechanism excluding LED	Forecast Allowed in Rates	
	FY2019	FY2020
Average Net Plant (Net LED Tracker from Total Net Plant Tracker)	\$6,966,101,446	\$7,336,205,195
Pre-Tax Return %	8.07%	8.02%
Return on Ratebase (Net LED Tracker from Total Net Plant Tracker)	\$561,856,752	\$588,039,678
Depreciation (Net LED Tracker from Total Net Plant Tracker)	\$231,482,744	\$242,376,820
Total Net Plant/Depreciation Revenue Requirement (Net of LED Tracker)	\$793,339,496	\$830,416,497

	Assumed Actual Results	
	FY2019	FY2020
Average Net Plant (Net LED Tracker from Total Net Plant Tracker)	\$6,971,101,446	\$7,343,205,195
Pre-Tax Return %	8.07%	8.02%
Return on Ratebase (Net LED Tracker from Total Net Plant Tracker)	\$562,260,031	\$588,600,769
Depreciation (Net LED Tracker from Total Net Plant Tracker)	\$231,599,744	\$242,540,620
Total Net Plant/Depreciation Revenue Requirement (Net of LED Tracker)	\$793,859,775	\$831,141,388

	Difference - Regulatory Asset/(Liability)	
	FY2019	FY2020
Average Net Plant (Net LED Tracker from Total Net Plant Tracker)	\$5,000,000	\$7,000,000
Pre-Tax Return %	8.07%	8.02%
Return on Ratebase (Net LED Tracker from Total Net Plant Tracker)	\$403,279	\$561,091
Depreciation (Net LED Tracker from Total Net Plant Tracker)	\$117,000	\$163,800
Total Net Plant/Depreciation Revenue Requirement (Net of LED Tracker)	\$520,279	\$724,891

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)

	Difference - Regulatory Asset/(Liability)	
	FY2019	FY2020
LED Regulatory Liability	(\$104,056)	(\$207,112)
Net Plant Tracker Regulatory Liability (excluding LED)	\$0	\$0
Total Net Plant/Depreciation and LED Net Plant/Depreciation Tracker Combined Results in Net Regulatory Asset/(Liability)	(\$104,056)	(\$207,112)

Niagara Mohawk Power Corporation d/b/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 6
- | | | |
|------------------------------------|------|--|
| Net Plant/Depreciation Tracker | Over | 1) Do Not Record Net Utility Plant Regulatory Asset - One Way Downward Tracker |
| LED Net Plant/Depreciation Tracker | Over | 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	FY2019	FY2020	FY2021
Average Net Plant	\$6,969,686,893	\$7,347,161,806	\$7,729,004,989
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	\$562,145,939	\$588,917,914	\$617,206,175
Depreciation	\$231,655,210	\$242,952,026	\$254,022,252
Total Net Plant/Depreciation Revenue Requirement	\$793,801,150	\$831,869,941	\$871,228,425

Assumed Actual Results	FY2019	FY2020	FY2021
	\$6,975,686,893	\$7,356,161,806	\$7,741,004,989
	8.07%	8.02%	7.99%
	\$562,629,874	\$589,639,317	\$618,164,443
	\$231,795,610	\$243,162,626	\$254,303,052
	\$794,425,485	\$832,801,943	\$872,467,495

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

- 2) LED net plant/depreciation will be booked as a regulatory asset:

Forecast Allowed in Rates	FY2019	FY2020	FY2021
LED Net Utility Plant/ Depreciation	\$3,585,447	\$10,956,610	\$17,925,034
LED Average Net Plant	\$289,187	\$878,236	\$1,431,419
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	\$172,467	\$575,207	\$977,947
LED Depreciation	\$461,654	\$1,453,443	\$2,409,365

Assumed Actual Results	FY2019	FY2020	FY2021
	\$4,585,447	\$12,956,610	\$20,925,034
	8.07%	8.02%	7.99%
	\$369,843	\$1,038,548	\$1,670,986
	\$195,867	\$622,007	\$1,048,147
	\$565,710	\$1,660,555	\$2,719,133

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
	\$23,400	\$46,800	\$70,200
	\$104,056	\$207,112	\$309,768

- 3) Net the LED Tracker with the Total Net Plant Tracker:

Forecast Allowed in Rates	FY2019	FY2020	FY2021
Net Utility Plant/ Depreciation Tracker Mechanism excluding LED	\$6,966,101,446	\$7,336,205,195	\$7,711,079,955
Average Net Plant (Net LED Tracker from Total Net Plant Tracker)	8.07%	8.02%	7.99%
Pre-Tax Return %	\$561,856,752	\$588,039,678	\$615,774,754
Return on Ratebase (Net LED Tracker from Total Net Plant Tracker)	\$231,482,744	\$242,376,820	\$253,044,305
Depreciation (Net LED Tracker from Total Net Plant Tracker)	\$793,339,496	\$830,416,497	\$868,819,060
Total Net Plant/Depreciation Revenue Requirement (Net of LED Tracker)			

Assumed Actual Results	FY2019	FY2020	FY2021
	\$6,971,101,446	\$7,343,205,195	\$7,720,079,955
	8.07%	8.02%	7.99%
	\$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

Difference - Regulatory Asset/(Liability)	FY2019	FY2020	FY2021
	\$5,000,000	\$7,000,000	\$9,000,000
	8.07%	8.02%	7.99%
	\$403,279	\$561,091	\$718,703
	\$117,000	\$163,800	\$210,600
	\$520,279	\$724,891	\$929,303

LED Regulatory Asset	\$104,056	\$207,112	\$309,768
Net Plant Tracker Regulatory Liability (excluding LED)	\$0	\$0	\$0
Total Net Plant/Depreciation and LED Net Plant/Depreciation Tracker Combined Results in Net Regulatory Asset/(Liability)	\$104,056	\$207,112	\$309,768

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

	<u>Electric Rate Year One</u>	<u>Electric Rate Year Two</u>	<u>Electric Rate Year Three</u>
1 Actual Expense	\$ 70,000	\$ 74,000	\$ 78,000
2 Rate Allowance	<u>\$ 71,844</u>	<u>\$ 74,653</u>	<u>\$ 76,220</u>
3 Difference	<u>\$ 1,844</u>	<u>\$ 653</u>	<u>\$ (1,780)</u>
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

	<u>Electric Rate Year One</u>	<u>Electric Rate Year Two</u>	<u>Electric Rate Year Three</u>
1 Actual Expense	\$ 71,000	\$ 75,000	\$ 78,000
2 Rate Allowance	<u>\$ 71,844</u>	<u>\$ 74,653</u>	<u>\$ 76,220</u>
3 Difference	<u>\$ 844</u>	<u>\$ (347)</u>	<u>\$ (1,780)</u>
4 3 Year Cumulative Actuals	\$ 224,000		
5 3 Year Cumulative Rate Allowance	\$ 222,717		
6 Difference - underspend / (overspend)	\$ (1,283)		
7 Deferral	\$ -		

Notes (by line number)

- 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
- 7 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

	<u>Electric Rate Year One</u>	<u>Electric Rate Year Two</u>	<u>Electric Rate Year Three</u>
1 Actual Expense	\$ 1,200	\$ 1,000	\$ 1,500
2 Rate Allowance	<u>1,120</u>	<u>1,120</u>	<u>1,120</u>
3 Amount Deferred to (from) customers	<u>\$ (80)</u>	<u>\$ 120</u>	<u>\$ (380)</u>

Notes (by line number)

- 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

	<u>Electric Rate Year One</u>	<u>Electric Rate Year Two</u>	<u>Electric Rate Year Three</u>
1 Actual Revenues	\$ 200	\$ 400	\$ 600
2 Customer Share of Revenues	<u>80%</u>	<u>80%</u>	<u>80%</u>
3 Amount Deferred to Customers	<u>\$ 160</u>	<u>\$ 320</u>	<u>\$ 480</u>

Notes (by line number)

- 1 Input - Actual Revenues
- 2 Customer Share - 80% ; See Joint Proposal Section 10.2.9
- 3 Line 1 multiplied 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

Rate Year Ending March 31, 2019			
	Total Revenue Requirement Target	Electric Revenue Requirement Return (a)	Electric Revenue Requirement Depreciation (b)
Forecast included in Revenue Requirement Settlement		\$ 7,558,287	\$ 26,860,657
Total Revenue Requirement Target	<u>\$ 34,418,944</u>	<u>\$ 7,558,287</u>	<u>\$ 26,860,657</u>
*Estimated Actual Results		\$ 7,600,000	\$ 27,107,089
Total Revenue Requirement Actuals	<u>\$ 34,707,089</u>	<u>\$ 7,600,000</u>	<u>\$ 27,107,089</u>
Actuals higher/(lower) than Target	<u>\$ 288,145</u>		

Rate Year Ending March 31, 2020			
	Total Revenue Requirement Target	Electric Revenue Requirement Return (a)	Electric Revenue Requirement Depreciation (b)
Forecast included in Revenue Requirement Settlement		\$ 6,897,684	\$ 29,826,436
Total Revenue Requirement Target	<u>\$ 36,724,119</u>	<u>\$ 6,897,684</u>	<u>\$ 29,826,436</u>
*Estimated Actual Results		\$ 6,780,000	\$ 29,650,000
Total Revenue Requirement Actuals	<u>\$ 36,430,000</u>	<u>\$ 6,780,000</u>	<u>\$ 29,650,000</u>
Actuals higher/(lower) than Target	<u>\$ (294,119)</u>		

Rate Year Ending March 31, 2021			
	Total Revenue Requirement Target	Electric Revenue Requirement Return (a)	Electric Revenue Requirement Depreciation (b)
Forecast included in Revenue Requirement Settlement		\$ 6,653,892	\$ 31,978,195
Total Revenue Requirement Target	<u>\$ 38,632,087</u>	<u>\$ 6,653,892</u>	<u>\$ 31,978,195</u>
*Estimated Actual Results		\$ 6,620,000	\$ 32,144,812
Total Revenue Requirement Actuals	<u>\$ 38,764,812</u>	<u>\$ 6,620,000</u>	<u>\$ 32,144,812</u>
Actuals higher/(lower) than Target	<u>\$ 132,725</u>		

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	<u>\$ 126,751</u>

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

Niagara Mohawk Power Corporation d/b/a National Grid
 Service Company Name
 Service Company Capital Expenditures allocated to Operating Companies as Rate Expense
 For the Year ended March 31, 2019

Line	Investment Name	Programs	INVP #	Bill Post	Forecasted Balance of Fiscal		Forecasted Balance after Fiscal		Amortization	4/1/2018		3/31/2019		8/07/06		5/21/06		5/21/06		
					Year End (FY18)	Addresses	Year End (FY18)	Addresses		In Service Date	Period	Balance	Capex	Balance	Capex	Return	Allocation	Return	Allocation	Return
3883	020	\$	1,600,000	\$	1,600,000	3/31/2018	84	\$1,460,000	\$1,460,000	3/31/2019	84	\$1,291,429	\$1,291,429	3/31/2019	84	\$1,385,714	\$1,385,714	3/31/2018	84	\$1,274
3883	020	\$	235,000	\$	235,000	6/1/2018	84	\$205,000	\$205,000	6/1/2018	84	\$327,000	\$327,000	6/1/2018	84	\$618	\$618	6/1/2018	84	\$1,270
3883	020	\$	9,671,142	\$	9,671,142	7/1/2018	84	\$8,312,142	\$8,312,142	7/1/2018	84	\$9,312,142	\$9,312,142	7/1/2018	84	\$10,212,142	\$10,212,142	7/1/2018	84	\$2,710
3883	020	\$	800,000	\$	800,000	7/1/2018	84	\$700,000	\$700,000	7/1/2018	84	\$821,000	\$821,000	7/1/2018	84	\$901,000	\$901,000	7/1/2018	84	\$2,370
3883	020	\$	1,650,000	\$	1,650,000	10/1/2018	84	\$1,450,000	\$1,450,000	10/1/2018	84	\$1,651,000	\$1,651,000	10/1/2018	84	\$1,751,000	\$1,751,000	10/1/2018	84	\$4,720
3883	020	\$	2,238,480	\$	2,238,480	10/1/2018	84	\$1,938,480	\$1,938,480	10/1/2018	84	\$2,239,480	\$2,239,480	10/1/2018	84	\$2,339,480	\$2,339,480	10/1/2018	84	\$6,600
3883	020	\$	4,829,886	\$	4,829,886	12/31/2017	84	\$4,229,886	\$4,229,886	12/31/2017	84	\$4,679,886	\$4,679,886	12/31/2017	84	\$5,129,886	\$5,129,886	12/31/2017	84	\$14,100
3883	020	\$	1,800,000	\$	1,800,000	12/31/2017	84	\$1,600,000	\$1,600,000	12/31/2017	84	\$1,801,000	\$1,801,000	12/31/2017	84	\$1,901,000	\$1,901,000	12/31/2017	84	\$5,200
3883	020	\$	469,911	\$	469,911	8/31/2018	84	\$419,911	\$419,911	8/31/2018	84	\$469,911	\$469,911	8/31/2018	84	\$519,911	\$519,911	8/31/2018	84	\$1,400
3883	020	\$	1,650,000	\$	1,650,000	8/31/2018	84	\$1,450,000	\$1,450,000	8/31/2018	84	\$1,651,000	\$1,651,000	8/31/2018	84	\$1,751,000	\$1,751,000	8/31/2018	84	\$4,720
3883	020	\$	853,881	\$	853,881	8/1/2018	84	\$753,881	\$753,881	8/1/2018	84	\$853,881	\$853,881	8/1/2018	84	\$953,881	\$953,881	8/1/2018	84	\$2,600
3883	020	\$	4,241,561	\$	4,241,561	6/1/2019	84	\$3,741,561	\$3,741,561	6/1/2019	84	\$4,241,561	\$4,241,561	6/1/2019	84	\$4,741,561	\$4,741,561	6/1/2019	84	\$13,100
3883	020	\$	5,220,017	\$	5,220,017	6/1/2019	84	\$4,520,017	\$4,520,017	6/1/2019	84	\$5,220,017	\$5,220,017	6/1/2019	84	\$5,720,017	\$5,720,017	6/1/2019	84	\$16,000
3883	020	\$	1,452,000	\$	1,452,000	6/1/2019	84	\$1,252,000	\$1,252,000	6/1/2019	84	\$1,452,000	\$1,452,000	6/1/2019	84	\$1,652,000	\$1,652,000	6/1/2019	84	\$4,600
3883	020	\$	1,740,000	\$	1,740,000	3/31/2019	84	\$1,540,000	\$1,540,000	3/31/2019	84	\$1,740,000	\$1,740,000	3/31/2019	84	\$1,940,000	\$1,940,000	3/31/2019	84	\$5,500
3883	020	\$	800,000	\$	800,000	3/31/2019	84	\$700,000	\$700,000	3/31/2019	84	\$800,000	\$800,000	3/31/2019	84	\$900,000	\$900,000	3/31/2019	84	\$2,400
3883	020	\$	1,120,783	\$	1,120,783	5/1/2019	84	\$980,783	\$980,783	5/1/2019	84	\$1,120,783	\$1,120,783	5/1/2019	84	\$1,260,783	\$1,260,783	5/1/2019	84	\$3,600
3883	020	\$	2,694,645	\$	2,694,645	3/31/2020	84	\$2,324,645	\$2,324,645	3/31/2020	84	\$2,694,645	\$2,694,645	3/31/2020	84	\$2,964,645	\$2,964,645	3/31/2020	84	\$8,500
3883	020	\$	586,886	\$	586,886	3/31/2020	84	\$516,886	\$516,886	3/31/2020	84	\$586,886	\$586,886	3/31/2020	84	\$656,886	\$656,886	3/31/2020	84	\$1,900
3883	020	\$	2,464,848	\$	2,464,848	5/1/2020	84	\$2,154,848	\$2,154,848	5/1/2020	84	\$2,464,848	\$2,464,848	5/1/2020	84	\$2,774,848	\$2,774,848	5/1/2020	84	\$8,200
3883	020	\$	1,400,000	\$	1,400,000	4/1/2021	84	\$1,240,000	\$1,240,000	4/1/2021	84	\$1,400,000	\$1,400,000	4/1/2021	84	\$1,560,000	\$1,560,000	4/1/2021	84	\$4,600
3883	020	\$	500,000	\$	500,000	5/1/2021	84	\$450,000	\$450,000	5/1/2021	84	\$500,000	\$500,000	5/1/2021	84	\$550,000	\$550,000	5/1/2021	84	\$1,600
3883	020	\$	10,120,201	\$	10,120,201	8/1/2021	84	\$9,120,201	\$9,120,201	8/1/2021	84	\$10,120,201	\$10,120,201	8/1/2021	84	\$11,120,201	\$11,120,201	8/1/2021	84	\$33,000
3883	020	\$	11,200,201	\$	11,200,201	8/1/2021	84	\$10,000,201	\$10,000,201	8/1/2021	84	\$11,200,201	\$11,200,201	8/1/2021	84	\$12,400,201	\$12,400,201	8/1/2021	84	\$37,000
3883	020	\$	12,100,201	\$	12,100,201	8/1/2021	84	\$10,800,201	\$10,800,201	8/1/2021	84	\$12,100,201	\$12,100,201	8/1/2021	84	\$13,300,201	\$13,300,201	8/1/2021	84	\$40,000
3883	020	\$	4,324,455	\$	4,324,455	3/20/2017	84	\$3,824,455	\$3,824,455	3/20/2017	84	\$4,324,455	\$4,324,455	3/20/2017	84	\$4,824,455	\$4,824,455	3/20/2017	84	\$14,400
3883	020	\$	2,929,667	\$	2,929,667	2/20/2017	84	\$2,629,667	\$2,629,667	2/20/2017	84	\$2,929,667	\$2,929,667	2/20/2017	84	\$3,229,667	\$3,229,667	2/20/2017	84	\$9,400
3883	020	\$	854,204	\$	854,204	12/10/17	84	\$764,204	\$764,204	12/10/17	84	\$854,204	\$854,204	12/10/17	84	\$944,204	\$944,204	12/10/17	84	\$2,800
3883	020	\$	1,346,201	\$	1,346,201	7/31/2017	84	\$1,186,201	\$1,186,201	7/31/2017	84	\$1,346,201	\$1,346,201	7/31/2017	84	\$1,506,201	\$1,506,201	7/31/2017	84	\$4,400
3883	020	\$	2,303,959	\$	2,303,959	3/31/2018	84	\$2,003,959	\$2,003,959	3/31/2018	84	\$2,303,959	\$2,303,959	3/31/2018	84	\$2,603,959	\$2,603,959	3/31/2018	84	\$7,800
3883	020	\$	82,675,920	\$	82,675,920	12/1/2017	120	\$74,675,920	\$74,675,920	12/1/2017	120	\$82,675,920	\$82,675,920	12/1/2017	120	\$90,675,920	\$90,675,920	12/1/2017	120	\$28,000
3883	020	\$	1,336,479	\$	1,336,479	12/1/2017	84	\$1,176,479	\$1,176,479	12/1/2017	84	\$1,336,479	\$1,336,479	12/1/2017	84	\$1,496,479	\$1,496,479	12/1/2017	84	\$4,400
3883	020	\$	3,207,476	\$	3,207,476	3/31/2017	84	\$2,807,476	\$2,807,476	3/31/2017	84	\$3,207,476	\$3,207,476	3/31/2017	84	\$3,607,476	\$3,607,476	3/31/2017	84	\$10,800
3883	020	\$	4,138,561	\$	4,138,561	3/31/2017	84	\$3,738,561	\$3,738,561	3/31/2017	84	\$4,138,561	\$4,138,561	3/31/2017	84	\$4,538,561	\$4,538,561	3/31/2017	84	\$13,600
3883	020	\$	2,100,000	\$	2,100,000	4/1/2018	84	\$1,900,000	\$1,900,000	4/1/2018	84	\$2,100,000	\$2,100,000	4/1/2018	84	\$2,300,000	\$2,300,000	4/1/2018	84	\$6,600
3883	020	\$	544,000	\$	544,000	4/10/2017	84	\$484,000	\$484,000	4/10/2017	84	\$544,000	\$544,000	4/10/2017	84	\$604,000	\$604,000	4/10/2017	84	\$1,800
3883	020	\$	2,676,143	\$	2,676,143	4/09/2017	84	\$2,376,143	\$2,376,143	4/09/2017	84	\$2,676,143	\$2,676,143	4/09/2017	84	\$2,976,143	\$2,976,143	4/09/2017	84	\$8,800
3883	020	\$	705,521	\$	705,521	5/23/2017	84	\$635,521	\$635,521	5/23/2017	84	\$705,521	\$705,521	5/23/2017	84	\$775,521	\$775,521	5/23/2017	84	\$2,300
3883	020	\$	608,000	\$	608,000	3/31/2018	84	\$548,000	\$548,000	3/31/2018	84	\$608,000	\$608,000	3/31/2018	84	\$668,000	\$668,000	3/31/2018	84	\$2,000
3883	020	\$	1,702,730	\$	1,702,730	7/31/2017	84	\$1,542,730	\$1,542,730	7/31/2017	84	\$1,702,730	\$1,702,730	7/31/2017	84	\$1,862,730	\$1,862,730	7/31/2017	84	\$5,600
3883	020	\$	7,007,413	\$	7,007,413	11/30/2017	84	\$6,307,413	\$6,307,413	11/30/2017	84	\$7,007,413	\$7,007,413	11/30/2017	84	\$7,707,413	\$7,707,413	11/30/2017	84	\$23,800
3883	020	\$	1,162,000	\$	1,162,000	2/1/2018	84	\$1,062,000	\$1,062,000	2/1/2018	84	\$1,162,000	\$1,162,000	2/1/2018	84	\$1,262,000	\$1,262,000	2/1/2018	84	\$3,800
3883	020	\$	382,000	\$	382,000	12/2/2017	84	\$342,000	\$342,000	12/2/2017	84	\$382,000	\$382,000	12/2/2017	84	\$422,000	\$422,000	12/2/2017	84	\$1,200
3883	020	\$	1,366,701	\$	1,366,701	3/1/2018	84	\$1,226,701	\$1,226,701	3/1/2018	84	\$1,366,701	\$1,366,701	3/1/2018	84	\$1,506,701	\$1,506,701	3/1/2018	84	\$4,400
3883	020	\$	79,240	\$	79,240	6/1/2019	84	\$71,240	\$71,240	6/1/2019	84	\$79,240	\$79,240	6/1/2019	84	\$87,240	\$87,240	6/1/2019	84	\$2,400
3883	020	\$	668,000	\$	668,000	10/30/2017	84	\$608,000	\$608,000	10/30/2017	84	\$668,000	\$668,000	10/30/2017	84	\$728,000	\$728,000	10/30/2017	84	\$2,200
3883	020	\$	37																	

Niagara Mohawk Power Corporation d/b/a National Grid
 Service Company Name
 Service Company Capital Expenditures allocated to Operating Companies as Report Expense
 For the Year ended March 31, 2019

Line	Investment Name	Programs	INVP #	B/E Pool	Forecasted Balance at Fiscal Year End (FY18)		Forecasted Balance after Fiscal Year End (FY19)		In Service Date	Amortization Period	4/1/2018 Balance		3/31/2019 Balance		8/07/06 Service Co		5/21/06 NMOE		5/21/06 NMOE Retri-Deprn		5/21/06 NMOE Retri-Deprn	
					Year End (FY18)	Address	Year End (FY18)	Address			Shippage/Custs)	Shippage/Custs)	3/31/2019 Balance	4/1/2018 Balance	3/31/2019 Balance	Average Balance	Return	NMOE E Retri-Deprn	Return	NMOE E Retri-Deprn	Return	NMOE E Retri-Deprn
151	SAF and Application Integration Development - Release 1-4	GHE- Information Services Enabling	4572	C210	\$ -	\$ -	\$ -	\$ -	3/1/2021	120	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
152	SAF and Application Integration Development - Release 1-4	GHE- Information Services Enabling	4572	C210	\$ -	\$ -	\$ -	\$ -	3/1/2021	120	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
153	SAF and Application Integration Development - Release 1-4	GHE- Information Services Enabling	4572	C210	\$ -	\$ -	\$ -	\$ -	3/1/2021	120	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
154	Portfolio Management Leadership-4	GHE- Portfolio Office	4572	C210	1,645,219	\$ -	1,481,327	\$ -	3/1/2018	120	\$1,668,083	\$1,328,850	\$1,328,850	\$1,328,850	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
155	Solution Architects & Agile Coaches-1	GHE- Portfolio Office	4572	C210	1,938,277	\$ -	1,762,449	\$ -	3/1/2018	120	\$1,747,762	\$1,571,517	\$1,571,517	\$1,571,517	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
156	Portfolio Management Leadership-2	GHE- Portfolio Office	4572	C210	\$ -	2,144,482	\$ -	1,938,034	3/1/2019	120	\$0	\$1,939,590	\$1,939,590	\$1,939,590	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
157	Solution Architects & Agile Coaches-2	GHE- Portfolio Office	4572	C210	\$ -	3,094,623	\$ -	3,568,469	3/1/2019	120	\$0	\$3,558,454	\$3,558,454	\$3,558,454	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
158	Solution Architects & Agile Coaches-3	GHE- Portfolio Office	4572	C210	\$ -	\$ -	\$ -	\$ -	3/1/2020	120	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
159	Solution Architects & Agile Coaches-4	GHE- Portfolio Office	4572	C210	\$ -	\$ -	\$ -	\$ -	3/1/2020	120	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
160	Portfolio Management Leadership-4	GHE- Regulatory and Compliance	4572	C210	750,000	\$ -	2,025,000	\$ -	9/1/2019	120	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
161	Regulatory Compliance	GHE- Supply Chain	4572	C210	\$ -	555,045	\$ -	508,541	3/1/2019	120	\$0	\$50,305	\$50,305	\$50,305	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
162	Supply Chain Program Leadership	GHE- Supply Chain	4572	C210	\$ -	\$ -	\$ -	\$ -	3/1/2020	120	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
163	Business Architecture Design	GHE- Work Management	4572	C210	3,004,085	\$ -	2,705,676	\$ -	12/1/2017	120	\$2,613,854	\$2,383,136	\$2,383,136	\$2,383,136	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
164	Business Architecture Design	GHE- Work Management	4572	C210	234,013	\$ -	210,612	\$ -	3/1/2018	120	\$238,857	\$175,795	\$175,795	\$175,795	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
165	WAPE Program Leadership-1	GHE- Work Management	4572	C210	17,676,960	\$ -	22,210,426	\$ -	7/1/2018	120	\$18,546,644	\$16,232,232	\$16,232,232	\$16,232,232	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
166	Conversion and Library - process	GHE- Work Management	4572	C210	1,658,419	\$ -	1,492,995	\$ -	11/2/2018	120	\$0	\$1,450,404	\$1,450,404	\$1,450,404	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
167	CU Governance & Library - process	GHE- Work Management	4572	C210	\$ -	\$ -	\$ -	\$ -	3/1/2020	120	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
168	CU Governance & Library - process	GHE- Work Management	4572	C210	\$ -	\$ -	\$ -	\$ -	3/1/2020	120	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
169	Company Driven Work, Collections and non-Appointment Offr - Gas	GHE- Work Management	4572	C210	2,566,407	\$ -	3,254,261	\$ -	10/1/2019	120	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
170	Company Driven Work, Collections and non-Appointment Offr - Gas	GHE- Work Management	4572	C198	1,274,219	\$ -	954,868	\$ -	2/06/178	120	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
171	Customer, Leak Investigation & Inspections - Gas	GHE- Work Management	4572	C210	1,191,154	\$ -	8,895,256	\$ -	10/1/2019	120	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
172	Customer, Leak Investigation & Inspections - Electric	GHE- Work Management	4572	C198	441,390	\$ -	4,889,253	\$ -	4/8/2020	120	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
173	Customer, Leak Investigation & Inspections - Electric	GHE- Work Management	4572	C210	\$ -	\$ -	\$ -	\$ -	6/1/2020	120	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
174	Post-Plan Investigation & Enhancements	GHE- Work Management	4572	C210	\$ -	\$ -	\$ -	\$ -	6/1/2020	120	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
175	Conversion Work & Leak Repair	GHE- Work Management	4572	C210	\$ -	1,832,544	\$ -	1,649,200	3/1/2020	120	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
176	WAPE Program Leadership-4	GHE- Work Management	4572	C210	\$ -	\$ -	\$ -	\$ -	3/1/2021	120	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
177	Work Forecasting & Planning - solution	GHE- Work Management	4572	C210	\$ -	\$ -	\$ -	\$ -	5/1/2021	120	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
178	Work Forecasting & Planning - solution	GHE- Work Management	4572	C210	\$ -	\$ -	\$ -	\$ -	5/1/2021	120	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
179	WAPE Optimization	GHE- Work Management	4572	C210	\$ -	\$ -	\$ -	\$ -	3/1/2022	120	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
180	Customer Experience Transformation/Account Portal	Growth Play Book-CX	4426	C175	\$ -	\$ -	675,662	\$ -	9/31/2019	84	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
181	Customer Experience Transformation/Account Portal	Growth Play Book-CX	4427	C175	\$ -	\$ -	2,863,662	\$ -	9/1/2019	84	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
422	Government Risk & Compliance (GRC) Optimization Upgrade	Growth Play Book-Finance	4622	0203	\$ -	\$ -	617,672	\$ -	3/1/2019	84	\$0	\$1,521,667	\$1,521,667	\$1,521,667	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
423	Government Risk & Compliance (GRC) Optimization Upgrade	Growth Play Book-Finance	4623	0203	\$ -	\$ -	1,054,358	\$ -	3/1/2019	84	\$0	\$4,603,010	\$4,603,010	\$4,603,010	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
463	US SAP-ERP (S/4HANA) Rollout	Growth Play Book-Finance	4603	0203	\$ -	\$ -	442,033	\$ -	10/30/2019	84	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
463	US SAP-ERP (S/4HANA) Rollout	Growth Play Book-Finance	4603	0203	\$ -	\$ -	1,190,159	\$ -	5/1/2019	36	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
479	DRMS for C&I Demand Response	NY REV / Grid Mod	4729	5210E	\$ -	\$ -	8,526,273	\$ -	3/31/2017	84	\$7,338,234	\$6,069,195	\$6,069,195	\$6,069,195	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
479	DRMS for C&I Demand Response	NY REV / Grid Mod	4708K	G108	\$ -	\$ -	2,500,000	\$ -	9/30/2020	84	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
479	DRMS for C&I Demand Response	NY REV / Grid Mod	4708L	G108	\$ -	\$ -	2,500,000	\$ -	9/30/2020	84	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
479	DRMS for C&I Demand Response	NY REV / Grid Mod	4708M	G108	\$ -	\$ -	2,500,000	\$ -	9/30/2020	84	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
479	DRMS for C&I Demand Response	NY REV / Grid Mod	4708N	G108	\$ -	\$ -	2,500,000	\$ -	9/30/2020	84	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
479	DRMS for C&I Demand Response	NY REV / Grid Mod	4708P	G108	\$ -	\$ -	2,500,000	\$ -	9/30/2020	84	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
479	DRMS for C&I Demand Response	NY REV / Grid Mod	4708Q	G108	\$ -	\$ -	2,500,000	\$ -	9/30/2020	84	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
479	DRMS for C&I Demand Response	NY REV / Grid Mod	4708R	G108	\$ -	\$ -	2,500,000	\$ -	9/30/2020	84	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
479	DRMS for C&I Demand Response	NY REV / Grid Mod	4708S	G108	\$ -	\$ -	2,500,000	\$ -	9/30/2020	84	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
479	DRMS for C&I Demand Response	NY REV / Grid Mod	4708T	G108	\$ -	\$ -	2,500,000	\$ -	9/30/2020	84	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
479	DRMS for C&I Demand Response	NY REV / Grid Mod	4708U	G108	\$ -	\$ -	2,500,000	\$ -	9/30/2020	84	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
479	DRMS for C&I Demand Response	NY REV / Grid Mod	4708V	G108	\$ -	\$ -	2,500,000	\$ -	9/30/2020	84	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
479	DRMS for C&I Demand Response	NY REV / Grid Mod	4708W	G108	\$ -	\$ -	2,500,000	\$ -	9/30/2020	84	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
479	DRMS for C&I Demand Response	NY REV / Grid Mod	4708X	G108	\$ -	\$ -	2,500,000	\$ -	9/30/2020	84	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
479	DRMS for C&I Demand Response	NY REV / Grid Mod	4708Y	G108	\$ -	\$ -	2,500,000	\$ -	9/30/2020	84	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
479	DRMS for C&I Demand Response	NY REV / Grid Mod	4708Z	G108	\$ -	\$ -	2,500,000	\$ -	9/30/2020	84	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
479	DRMS for C&I Demand Response	NY REV / Grid Mod	4709A	G108	\$ -	\$ -	2,500,000	\$ -	9/30/2020	84	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
479	DRMS for C&I Demand Response	NY REV / Grid Mod	4709B	G108	\$ -	\$ -	2,500,000	\$ -	9/30/2020	84	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
479	DRMS for C&I Demand Response	NY REV / Grid Mod	4709C	G108	\$ -	\$ -	2,500,000	\$ -	9/30/2020	84	\$0	\$0	\$0	\$0	0.00%	\$ -	\$ -	0.00%	\$ -	\$ -	\$ -	\$ -
479	DRMS for C&I Demand Response	NY REV / Grid Mod	4709D	G108	\$ -	\$ -	2,500,000															

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Revenues
For the Year ended March 31, 2019

Line	Investment Name	Programs	INVP #	Bill Pool	Forecasted Balance of Fund		Forecasted Balance of Fiscal		Amortization	4/1/2018 Balance	3/31/2019 Balance	8.0710%		52.0E		52.0E	
					Year End (FY18)	Address	Year End (FY18)	Address				Return	Allocation	Return	Deprn		
231	Physical Security Replacements - FY21	Physical Security		020	\$ -	\$ -	\$ -	\$ -	84	\$ 0	\$ 0	\$ 0	\$ 0	\$ -	\$ -	\$ -	\$ -
232	AI NMD/Physical Security Replacements - FY21	Physical Security		G14	\$ -	\$ -	\$ -	\$ -	84	\$ 0	\$ 0	\$ 0	\$ 0	\$ -	\$ -	\$ -	\$ -
233	Physical Security Replacements - FY21	Physical Security		G12	\$ -	\$ -	\$ -	\$ -	84	\$ 0	\$ 0	\$ 0	\$ 0	\$ -	\$ -	\$ -	\$ -
234	Physical Security Replacements - FY21	Physical Security		G23	\$ -	\$ -	\$ -	\$ -	84	\$ 0	\$ 0	\$ 0	\$ 0	\$ -	\$ -	\$ -	\$ -
235	INVP 4461 Gas Transportation System Phase II	PSC Mandate		5235	\$ -	\$ -	\$ -	\$ -	84	\$ 0	\$ 0	\$ 0	\$ 0	\$ -	\$ -	\$ -	\$ -
236	INVP 4347 NYC Leave on for Landfill Program	PSC Mandate		4347	\$ 3,584,165	\$ -	\$ 3,584,165	\$ -	84	\$ 3,584,165	\$ 3,584,165	\$ 3,584,165	\$ 3,584,165	\$ -	\$ -	\$ -	\$ -
237	INVP 4124 Auto Reserve on Meter	PSC Mandate		C198	\$ 3,347,611	\$ -	\$ 3,347,611	\$ -	84	\$ 3,347,611	\$ 3,347,611	\$ 3,347,611	\$ 3,347,611	\$ -	\$ -	\$ -	\$ -
238	INVP 4410 Distributed Generation Pilot	PSC Mandate		C198	\$ 551,447	\$ -	\$ 551,447	\$ -	84	\$ 551,447	\$ 551,447	\$ 551,447	\$ 551,447	\$ -	\$ -	\$ -	\$ -
239	INVP 4383 NY Community Choice Aggregation	PSC Mandate		C198	\$ 2,489,410	\$ -	\$ 2,489,410	\$ -	84	\$ 2,489,410	\$ 2,489,410	\$ 2,489,410	\$ 2,489,410	\$ -	\$ -	\$ -	\$ -
240	INVP 4488 Low Income Older CRIS	PSC Mandate		C198	\$ 542,500	\$ -	\$ 542,500	\$ -	84	\$ 542,500	\$ 542,500	\$ 542,500	\$ 542,500	\$ -	\$ -	\$ -	\$ -
241	INVP 4488 Low Income Older CRIS	PSC Mandate		C198	\$ 542,500	\$ -	\$ 542,500	\$ -	84	\$ 542,500	\$ 542,500	\$ 542,500	\$ 542,500	\$ -	\$ -	\$ -	\$ -
242	INVP 4410 Net Gas Connections	PSC Mandate		C210	\$ 5,525	\$ -	\$ 5,525	\$ -	84	\$ 5,525	\$ 5,525	\$ 5,525	\$ 5,525	\$ -	\$ -	\$ -	\$ -
243	INVP 4410 Net Gas Connections	PSC Mandate		C210	\$ 5,525	\$ -	\$ 5,525	\$ -	84	\$ 5,525	\$ 5,525	\$ 5,525	\$ 5,525	\$ -	\$ -	\$ -	\$ -
244	INVP 4410 Net Gas Connections	PSC Mandate		C210	\$ 5,525	\$ -	\$ 5,525	\$ -	84	\$ 5,525	\$ 5,525	\$ 5,525	\$ 5,525	\$ -	\$ -	\$ -	\$ -
245	CPH Biotech	Tech. Modernization		020	\$ 5,135,450	\$ -	\$ 5,135,450	\$ -	84	\$ 5,135,450	\$ 5,135,450	\$ 5,135,450	\$ 5,135,450	\$ -	\$ -	\$ -	\$ -
246	Active Directory Improvements	Tech. Modernization		020	\$ 275,000	\$ -	\$ 275,000	\$ -	84	\$ 275,000	\$ 275,000	\$ 275,000	\$ 275,000	\$ -	\$ -	\$ -	\$ -
247	Application Performance Management (APM)	Tech. Modernization		020	\$ 54,825	\$ -	\$ 54,825	\$ -	84	\$ 54,825	\$ 54,825	\$ 54,825	\$ 54,825	\$ -	\$ -	\$ -	\$ -
248	Application Performance Management (APM)	Tech. Modernization		020	\$ 6,625	\$ -	\$ 6,625	\$ -	84	\$ 6,625	\$ 6,625	\$ 6,625	\$ 6,625	\$ -	\$ -	\$ -	\$ -
249	US Network Programs	Tech. Modernization		020	\$ 2,237,779	\$ -	\$ 2,237,779	\$ -	84	\$ 2,237,779	\$ 2,237,779	\$ 2,237,779	\$ 2,237,779	\$ -	\$ -	\$ -	\$ -
250	US Network Programs	Tech. Modernization		020	\$ 2,700,000	\$ -	\$ 2,700,000	\$ -	84	\$ 2,700,000	\$ 2,700,000	\$ 2,700,000	\$ 2,700,000	\$ -	\$ -	\$ -	\$ -
251	US Network Programs	Tech. Modernization		020	\$ 65,789	\$ -	\$ 65,789	\$ -	84	\$ 65,789	\$ 65,789	\$ 65,789	\$ 65,789	\$ -	\$ -	\$ -	\$ -
252	Monitoring and Alerting	Tech. Modernization		020	\$ 2,500,000	\$ -	\$ 2,500,000	\$ -	84	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000	\$ -	\$ -	\$ -	\$ -
253	Monitoring and Alerting	Tech. Modernization		020	\$ 2,500,000	\$ -	\$ 2,500,000	\$ -	84	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000	\$ -	\$ -	\$ -	\$ -
254	Cloud Backup - RHEL/Ubuntu	Tech. Modernization		020	\$ 116,659	\$ -	\$ 116,659	\$ -	84	\$ 116,659	\$ 116,659	\$ 116,659	\$ 116,659	\$ -	\$ -	\$ -	\$ -
255	Office 365 Upgrade	Tech. Modernization		020	\$ 318,658	\$ -	\$ 318,658	\$ -	84	\$ 318,658	\$ 318,658	\$ 318,658	\$ 318,658	\$ -	\$ -	\$ -	\$ -
256	Office 365 Upgrade	Tech. Modernization		020	\$ 492,487	\$ -	\$ 492,487	\$ -	84	\$ 492,487	\$ 492,487	\$ 492,487	\$ 492,487	\$ -	\$ -	\$ -	\$ -
257	Business Innovation Projects 1	Tech. Modernization		020	\$ 2,594,841	\$ -	\$ 2,594,841	\$ -	84	\$ 2,594,841	\$ 2,594,841	\$ 2,594,841	\$ 2,594,841	\$ -	\$ -	\$ -	\$ -
258	Business Innovation Projects 1	Tech. Modernization		020	\$ 2,525,623	\$ -	\$ 2,525,623	\$ -	84	\$ 2,525,623	\$ 2,525,623	\$ 2,525,623	\$ 2,525,623	\$ -	\$ -	\$ -	\$ -
259	Operational and Self Service	Tech. Modernization		020	\$ 349,864	\$ -	\$ 349,864	\$ -	84	\$ 349,864	\$ 349,864	\$ 349,864	\$ 349,864	\$ -	\$ -	\$ -	\$ -
260	Virtual Desktop - DaaS	Tech. Modernization		020	\$ 6,612	\$ -	\$ 6,612	\$ -	84	\$ 6,612	\$ 6,612	\$ 6,612	\$ 6,612	\$ -	\$ -	\$ -	\$ -
261	SC Connection	Tech. Modernization		020	\$ 456,806	\$ -	\$ 456,806	\$ -	84	\$ 456,806	\$ 456,806	\$ 456,806	\$ 456,806	\$ -	\$ -	\$ -	\$ -
262	US SAP Dynamic Storage Tiring	Tech. Modernization		020	\$ 2,468,168	\$ -	\$ 2,468,168	\$ -	84	\$ 2,468,168	\$ 2,468,168	\$ 2,468,168	\$ 2,468,168	\$ -	\$ -	\$ -	\$ -
263	US SAP Dynamic Storage Tiring	Tech. Modernization		020	\$ 2,468,168	\$ -	\$ 2,468,168	\$ -	84	\$ 2,468,168	\$ 2,468,168	\$ 2,468,168	\$ 2,468,168	\$ -	\$ -	\$ -	\$ -
264	US Network Programs	Tech. Modernization		020	\$ -	\$ -	\$ -	\$ -	84	\$ 0	\$ 0	\$ 0	\$ 0	\$ -	\$ -	\$ -	\$ -
265	US Network Programs	Tech. Modernization		020	\$ -	\$ -	\$ -	\$ -	84	\$ 0	\$ 0	\$ 0	\$ 0	\$ -	\$ -	\$ -	\$ -
266	US Network Programs	Tech. Modernization		020	\$ -	\$ -	\$ -	\$ -	84	\$ 0	\$ 0	\$ 0	\$ 0	\$ -	\$ -	\$ -	\$ -
267	Data Visualization Expansion	Tech. Modernization		020	\$ 942,126	\$ -	\$ 942,126	\$ -	84	\$ 942,126	\$ 942,126	\$ 942,126	\$ 942,126	\$ -	\$ -	\$ -	\$ -
268	Data Visualization Expansion	Tech. Modernization		020	\$ 796,742	\$ -	\$ 796,742	\$ -	84	\$ 796,742	\$ 796,742	\$ 796,742	\$ 796,742	\$ -	\$ -	\$ -	\$ -
269	Monitoring and Alerting	Tech. Modernization		020	\$ -	\$ -	\$ -	\$ -	84	\$ 0	\$ 0	\$ 0	\$ 0	\$ -	\$ -	\$ -	\$ -
270	WORK and Network Risk Avoidance	Tech. Modernization		020	\$ 168,415	\$ -	\$ 168,415	\$ -	84	\$ 168,415	\$ 168,415	\$ 168,415	\$ 168,415	\$ -	\$ -	\$ -	\$ -
271	Improving End User Experience - Cloud based DMZ Service Platform	Tech. Modernization		020	\$ 300,000	\$ -	\$ 300,000	\$ -	84	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ -	\$ -	\$ -	\$ -
272	Mobile Intranet POC	Tech. Modernization		020	\$ 100,000	\$ -	\$ 100,000	\$ -	84	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -
273	Mobile Intranet POC	Tech. Modernization		020	\$ 100,000	\$ -	\$ 100,000	\$ -	84	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -
274	FP Network Programs	Tech. Modernization		020	\$ 338,831	\$ -	\$ 338,831	\$ -	84	\$ 338,831	\$ 338,831	\$ 338,831	\$ 338,831	\$ -	\$ -	\$ -	\$ -
275	Digital Asset Management (DAM)	Tech. Modernization		020	\$ 168,415	\$ -	\$ 168,415	\$ -	84	\$ 168,415	\$ 168,415	\$ 168,415	\$ 168,415	\$ -	\$ -	\$ -	\$ -
276	Business Innovation Projects 1	Tech. Modernization		020	\$ 1,338,308	\$ -	\$ 1,338,308	\$ -	84	\$ 1,338,308	\$ 1,338,308	\$ 1,338,308	\$ 1,338,308	\$ -	\$ -	\$ -	\$ -
277	Business Innovation Projects 2	Tech. Modernization		020	\$ 1,134,653	\$ -	\$ 1,134,653	\$ -	84	\$ 1,134,653	\$ 1,134,653	\$ 1,134,653	\$ 1,134,653	\$ -	\$ -	\$ -	\$ -
278	Business Innovation Projects 2	Tech. Modernization		020	\$ 1,134,653	\$ -	\$ 1,134,653	\$ -	84	\$ 1,134,653	\$ 1,134,653	\$ 1,134,653	\$ 1,134,653	\$ -	\$ -	\$ -	\$ -
279	EUSS network and data center strategy	Tech. Modernization		020	\$ 519,682	\$ -	\$ 519,682	\$ -	84	\$ 519,682	\$ 519,682	\$ 519,682	\$ 519,682	\$ -	\$ -	\$ -	\$ -
280	Data Security	Tech. Modernization		020	\$ 530,509	\$ -	\$ 530,509	\$ -	84	\$ 530,509	\$ 530,509	\$ 530,509	\$ 530,509	\$ -	\$ -	\$ -	\$ -
281	PY10 Data Center Projects	Tech. Modernization		020	\$ 673,662	\$ -	\$ 673,662	\$ -	84	\$ 673,662	\$ 673,662	\$ 673,662	\$ 673,662	\$ -	\$ -	\$ -	\$ -
282	1327 Intranet - 523 FTS, 30RDHX, 265 MOSI, 253 JCARS, 44 PMAD, 7VB	Tech. Modernization		020	\$ 3,300,000	\$ -	\$ 3,300,000	\$ -	84	\$ 3,300,000	\$ 3,300,000	\$ 3,300,000	\$ 3,300,000	\$ -	\$ -	\$ -	\$ -
283	1327 Intranet - 523 FTS, 30RDHX, 265 MOSI, 253 JCARS, 44 PMAD, 7VB	Tech. Modernization		020	\$ 3,300,000	\$ -	\$ 3,300,000	\$ -	84	\$ 3,300,000	\$ 3,300,000	\$ 3,300,000	\$ 3,300,000	\$ -	\$ -	\$ -	\$ -
284	US SAP Enhancement Pack 9 Upgrade	Tech. Modernization		020	\$ 1,600,298	\$ -	\$ 1,600,298	\$ -	84	\$ 1,600,298	\$ 1,600,298	\$ 1,600,298	\$ 1,600,298	\$ -	\$ -	\$ -	\$ -
285	US Network Programs	Tech. Modernization		020	\$ 530,509	\$ -	\$ 530,509	\$ -	84	\$ 530,509	\$ 530,509	\$ 530,509	\$ 530,509	\$ -	\$ -	\$ -	\$ -
286	US Network Programs	Tech. Modernization		020	\$ -	\$ -	\$ -	\$ -	84	\$ 0	\$ 0	\$ 0	\$ 0	\$ -	\$ -	\$ -	\$ -
287	US Network Programs	Tech. Modernization		020	\$ -	\$ -	\$ -	\$ -	84	\$ 0	\$ 0	\$ 0	\$ 0	\$ -	\$ -	\$ -	\$ -
288	US Network Programs	Tech. Modernization		020	\$ -	\$ -	\$ -	\$ -	84	\$ 0	\$ 0	\$ 0	\$ 0	\$ -	\$ -	\$ -	\$ -
289	Service Now - Release 3	Tech. Modernization		020	\$ -	\$ -	\$ -	\$ -	84	\$ 0	\$ 0	\$ 0	\$ 0	\$ -	\$ -	\$ -	\$ -
290	IS Tools	Tech. Modernization		020	\$ 173,770	\$ -	\$ 173,770	\$ -	84	\$ 173,770	\$ 173,770	\$ 173,770	\$ 173,770	\$ -	\$ -	\$ -	\$ -
291	PY20 Edge Projects	Tech. Modernization		020	\$ 665,020	\$ -	\$ 665,020	\$ -	84	\$ 665,020	\$ 665,020	\$ 665,020	\$ 665,020	\$ -	\$ -	\$ -	\$ -
292	PY20 Network Projects	Tech. Modernization		020	\$ 996,889	\$ -	\$ 996,889	\$ -	84	\$ 996,889	\$ 996,889	\$ 996,889	\$ 996,889	\$ -	\$ -	\$ -	\$ -
293	Business Innovation Projects 2	Tech. Modernization		020	\$ 800,000	\$ -	\$ 800,000	\$ -	84	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ -	\$ -	\$ -	\$ -
294	Business Innovation Projects 2	Tech. Modernization		020	\$ 800,000	\$ -	\$ 800,000	\$ -	84	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ -	\$ -	\$ -	\$ -
295	Business Innovation Projects 3	Tech. Modernization		020	\$ 800,000	\$ -	\$ 800,000	\$ -	84	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ -	\$ -	\$ -	\$ -
296	Data Security	Tech. Modernization		020	\$ 530,509	\$ -	\$ 530,509	\$ -									

Nigam Mahanv Power Corporation a/b/a National Grid
Service Company Name
Service Company Capital Expenditure Allocated to Operating Companies as Bear Expense
For the Bear Year ended March 31, 2021

Line	Investment Name	Program	INSP #	ROI	Proj. Balance at End of Fiscal Year	Forecast Balance at End of FY21 (After Additions)	FY21 Incremental Addition	Forecast Balance at End of Fiscal Year	Forecast Balance at End of FY21 (After Additions)	Service Co	NMFO E. Allocatn	NMFO E. Return	NMFO E. Den.	NMFO T. Return	NMFO T. Den.	NMFO T. Return	NMFO T. Den.	
1	Circuit Security	Circuit Security	3883	020	\$ 1,460,000	\$ -	\$ 1,460,000	\$ -	\$ 1,460,000	799.00%	17.00%	\$ 9,681	37,042	6.11%	33,002	6.11%	12,143.71	
2	Risk Based Administration - HA taken alternative	Cyber Security	3883	020	235,000	-	235,000	-	235,000	799.00%	17.00%	\$ 1,677	5,964	6.11%	556	6.11%	2,052	
3	INSP 3614DI (In) Network Security	Cyber Security	3614DI	020	9,674,142	-	9,674,142	-	9,674,142	799.00%	17.00%	\$ 59,397	245,447	6.11%	20,544	6.11%	84,441	
4	Threat Behavior Modeling	Cyber Security	3883	020	800,000	-	800,000	-	800,000	799.00%	17.00%	\$ 5,599	20,297	6.11%	1,526	6.11%	6,083	
5	Threat Behavior Modeling	Cyber Security	3883	020	800,000	-	800,000	-	800,000	799.00%	17.00%	\$ 5,599	20,297	6.11%	1,526	6.11%	6,083	
6	Enhanced DLP Controls and Endpoint	Cyber Security	3883	020	2,238,840	-	2,238,840	-	2,238,840	799.00%	17.00%	\$ 16,492	56,793	6.11%	5,674	6.11%	19,539	
7	INSP 3614DI (In) Network Security	Cyber Security	3614DI	020	4,829,586	-	4,829,586	-	4,829,586	799.00%	17.00%	\$ 30,245	104,015	6.11%	8,045	6.11%	31,425	
8	INSP 3614H4 (In) Network Security	Cyber Security	3614H4	020	1,340,144	-	1,340,144	-	1,340,144	799.00%	17.00%	\$ 8,393	34,001	6.11%	2,887	6.11%	11,097.54	
9	US-CN Intrusion Detection/Prevention Phase 1	Cyber Security	3883	020	5,500,000	-	5,500,000	-	5,500,000	799.00%	17.00%	\$ 37,962	125,844	6.11%	12,473	6.11%	48,001.71	
10	US-CN Intrusion Detection/Prevention Phase 2	Cyber Security	3883	020	5,500,000	-	5,500,000	-	5,500,000	799.00%	17.00%	\$ 37,962	125,844	6.11%	12,473	6.11%	48,001.71	
11	US-EG Scaling Upgrades	Cyber Security	3883	020	1,000,000	-	1,000,000	-	1,000,000	799.00%	17.00%	\$ 7,122	25,271	6.11%	2,450	6.11%	8,729	
12	ITOT Discovery and Implementation Phase 1	Cyber Security	3883	020	5,500,000	-	5,500,000	-	5,500,000	799.00%	17.00%	\$ 45,925	139,543	6.11%	15,800	6.11%	48,001.71	
13	Security Research Lab	Cyber Security	3883	020	325,000	-	325,000	-	325,000	799.00%	17.00%	\$ 2,714	8,246	6.11%	984	6.11%	2,837	
14	US-CN Security Enhancement Phase 1	Cyber Security	3883	020	1,650,000	-	1,650,000	-	1,650,000	799.00%	17.00%	\$ 11,378	41,863	6.11%	4,440	6.11%	14,402	
15	US-CN Security Enhancement Phase 2	Cyber Security	3883	020	1,650,000	-	1,650,000	-	1,650,000	799.00%	17.00%	\$ 11,378	41,863	6.11%	4,440	6.11%	14,402	
16	US-CN Security Enhancement Phase 3	Cyber Security	3883	020	800,000	-	800,000	-	800,000	799.00%	17.00%	\$ 6,884	20,297	6.11%	2,231	6.11%	6,983	
17	US-CN Security Enhancement Phase 4	Cyber Security	3883	020	800,000	-	800,000	-	800,000	799.00%	17.00%	\$ 6,884	20,297	6.11%	2,231	6.11%	6,983	
18	Big Data Security Analytics Phase 1	Cyber Security	3883	020	1,266,300	-	1,266,300	-	1,266,300	799.00%	17.00%	\$ 10,418	31,128	6.11%	3,584	6.11%	11,053	
19	US-CN Intrusion Detection/Prevention Phase 2	Cyber Security	3883	020	4,621,552	-	4,621,552	-	4,621,552	799.00%	17.00%	\$ 38,023	117,255	6.11%	13,881	6.11%	40,340	
20	US-CN Intrusion Detection/Prevention Phase 3	Cyber Security	3883	020	800,000	-	800,000	-	800,000	799.00%	17.00%	\$ 7,662	20,297	6.11%	2,605	6.11%	6,083	
21	US-CN Intrusion Detection/Prevention Phase 4	Cyber Security	3883	020	800,000	-	800,000	-	800,000	799.00%	17.00%	\$ 7,662	20,297	6.11%	2,605	6.11%	6,083	
22	Security Incident Event Management Phase 5	Cyber Security	3883	020	199,534	-	199,534	-	199,534	799.00%	17.00%	\$ 1,885	17,051	6.11%	642	6.11%	5,886	
23	Security Incident Event Management (SIE) M.0	Cyber Security	3883	020	1,687,896	-	1,687,896	-	1,687,896	799.00%	17.00%	\$ -	-	-	-	-	-	-
24	Big Data Security Analytics - Phase 2	Cyber Security	3883	020	524,670	-	524,670	-	524,670	799.00%	17.00%	\$ -	-	-	-	-	-	-
25	Big Data Security Analytics - Phase 2	Cyber Security	3883	020	2,683,847	-	2,683,847	-	2,683,847	799.00%	17.00%	\$ -	-	-	-	-	-	-
26	US-CN Security Enhancements - Phase 2	Cyber Security	3883	020	1,500,737	-	1,500,737	-	1,500,737	799.00%	17.00%	\$ -	-	-	-	-	-	-
27	Data Visualization	Cyber Security	3883	020	374,807	-	374,807	-	374,807	799.00%	17.00%	\$ -	-	-	-	-	-	-
28	INSP 4137 MA Retail Access Mandate	ITP1 Mandate	4137	C27	-	-	-	-	-	799.00%	17.00%	\$ -	-	-	-	-	-	-
29	INSP 405 Double Data-Mgmt DB	ITP1 Plan	405	G18	424,445	-	424,445	-	424,445	799.00%	17.00%	\$ 2,297	25,904	0.00%	5	0.00%	463	
30	INSP 405 Double Data-Mgmt DB	ITP1 Plan	405	G18	424,445	-	424,445	-	424,445	799.00%	17.00%	\$ 2,297	25,904	0.00%	5	0.00%	463	
31	INSP 3955 E3 Mail Upgrade	ITP1 Plan	3955	G23	3,296,677	-	3,296,677	-	3,296,677	799.00%	17.00%	\$ 1,251	6,261	0.00%	6	0.00%	227	
32	INSP 4108 Agile System Sublease	ITP1 Plan	4108	G18	84,204	-	84,204	-	84,204	799.00%	17.00%	\$ 5,543	22,905	6.43%	1,899	6.43%	7,846	
33	INSP 4208 US VSTG Bushbush Ph2	ITP1 Plan	4208	G20	2,286,401	-	2,286,401	-	2,286,401	799.00%	17.00%	\$ 13,854	57,248	6.11%	4,766	6.11%	19,905	
34	INSP 407 US Win7 Refresh Ph. 3	ITP1 Plan	407	G20	1,464,291	-	1,464,291	-	1,464,291	799.00%	17.00%	\$ 7,788	34,693	6.11%	2,830	6.11%	11,724	
35	INSP 407 US Win7 Refresh Ph. 3	ITP1 Plan	407	G20	1,464,291	-	1,464,291	-	1,464,291	799.00%	17.00%	\$ 7,788	34,693	6.11%	2,830	6.11%	11,724	
36	SO0523M12 System Improvement	ITP1 Plan	407	G20	8,276,540	-	8,276,540	-	8,276,540	799.00%	17.00%	\$ 61,176	146,976	6.11%	21,646	6.11%	70,544	
37	INSP 4208 US Network Improvement	ITP1 Plan	4208	G20	1,336,479	-	1,336,479	-	1,336,479	799.00%	17.00%	\$ 8,206	33,908	6.11%	2,823	6.11%	11,666	
38	HANA License Costs	ITP1 Plan	469	G20	3,365,098	-	3,365,098	-	3,365,098	799.00%	17.00%	\$ 20,282	97,073	6.11%	6,978	6.11%	33,396	
39	Microsoft BA Renewal	ITP1 Plan	462	G20	3,207,476	-	3,207,476	-	3,207,476	799.00%	17.00%	\$ 17,003	81,278	6.11%	5,880	6.11%	27,997	
40	Microsoft BA Renewal	ITP1 Plan	462	G20	3,207,476	-	3,207,476	-	3,207,476	799.00%	17.00%	\$ 17,003	81,278	6.11%	5,880	6.11%	27,997	
41	Zscaler Data Device Refresh - FY17	ITP1 Plan	461	G20	2,100,000	-	2,100,000	-	2,100,000	799.00%	17.00%	\$ 13,925	53,280	6.11%	4,291	6.11%	18,330	
42	INSP 277C AsPAM Software Upgrade	ITP1 Plan	277C	G12	-	-	-	-	-	799.00%	17.00%	\$ -	-	-	-	-	-	
43	INSP 4631 Box Enrollment	ITP1 Plan	4631	G20	254,000	-	254,000	-	254,000	799.00%	17.00%	\$ 1,684	6,444	6.11%	579	6.11%	2,217	
44	INSP 470 Time Transformation	ITP1 Plan	470	G20	2,676,143	-	2,676,143	-	2,676,143	799.00%	17.00%	\$ 14,335	67,891	6.11%	4,994	6.11%	23,539	
45	INSP 470 Time Transformation	ITP1 Plan	470	G20	2,676,143	-	2,676,143	-	2,676,143	799.00%	17.00%	\$ 14,335	67,891	6.11%	4,994	6.11%	23,539	
46	INSP 4274 NSTB Hardware Refresh	ITP1 Plan	4274	G20	680,000	-	680,000	-	680,000	799.00%	17.00%	\$ 4,032	15,426	6.11%	1,387	6.11%	5,307	
47	US Values Conferencing Upgrade for RW	ITP1 Plan	462	G20	1,702,730	-	1,702,730	-	1,702,730	799.00%	17.00%	\$ 9,883	43,201	6.11%	3,393	6.11%	14,802	
48	HVC DC Improvement Server Refresh	ITP1 Plan	467	G20	1,000,000	-	1,000,000	-	1,000,000	799.00%	17.00%	\$ 6,631	25,371	6.11%	2,281	6.11%	8,729	
49	INSP 405 Data Visualization	ITP1 Plan	464	G20	7,067,413	-	7,067,413	-	7,067,413	799.00%	17.00%	\$ 43,202	179,310	6.11%	14,028	6.11%	46,888	
50	INSP 405 Data Visualization	ITP1 Plan	464	G20	7,067,413	-	7,067,413	-	7,067,413	799.00%	17.00%	\$ 43,202	179,310	6.11%	14,028	6.11%	46,888	
51	Chicago to ACR for PMCC Civil Vendor Billing	ITP1 Plan	4487	G18	382,000	-	382,000	-	382,000	799.00%	17.00%	\$ 4,000	16,775	10.99%	1,451	10.99%	5,997	
52	INSP 4461 Unv151 Interface Migration	ITP1 Plan	4461	G20	1,367,901	-	1,367,901	-	1,367,901	799.00%	17.00%	\$ 9,025	35,183	6.11%	3,105	6.11%	12,104	
53	INSP 4237 Active Directory Upgrade	ITP1 Plan	4237	G20	808,825	-	808,825	-	808,825	799.00%	17.00%	\$ 5,139	20,420	6.11%	1,788	6.11%	7,025	
54	US Control Gas System Operating Procedure (SOP) Upgrade	ITP1 Plan	4480	G20	542,000	-	542,000	-	542,000	799.00%	17.00%	\$ 4,619	16,544	0.00%	1,283	0.00%	4,521	
55	US Control Gas System Operating Procedure (SOP) Upgrade	ITP1 Plan	4480	G20	542,000	-	542,000	-	542,000	799.00%	17.00%	\$ 4,619	16,544	0.00%	1,283	0.00%	4,521	
56	Canada Electric Application Upgrade Project	ITP1 Plan	3988	G18	375,000	-	375,000	-	375,000	799.00%	17.00%	\$ 5,327	22,463	0.00%	-	0.00%	-	
57	INSP 4408 Doc Mgmt System Replacement Delivery	ITP1 Plan	4408	G19	3,855,044	-	3,855,044	-	3,855,044	799.00%	17.88%	\$ 23,352	96,469	6.15%	8,632	6.15%	33,689	
58	WiFi for Fleet Services Diagnostic Laptops	ITP1 Plan	3956	G52	838,000	-	838,000	-	838,000	799.00%	17.98%	\$ 5,083	21,477	6.17%	1,752	6.17%	7,386	
59	Gas Service Database - INP (Hawaii, NY)	ITP1 Plan	3949	G20	325,000	-	325,000	-	325,000	799.00%	17.98%	\$ -	-	-	-	-	-	
60	Solution Monitoring Dashboard	ITP1 Plan	3983	G51	-	-	-	-	-	799.00%	17.98%	\$ -	-	-	-	-	-	
61	Gas Capital Investment Planning Tool	ITP1 Plan	3983	G51	-	-	-	-	-	799.00%								

Nigeria M/om h Power Corporation of the National Grid
 Service Company Return
 Capital Solution allocated to Operating Company for the fiscal year ended March 31, 2019

Line	Investment Name	Description	INVP #	Work Order	NMPC	Pool	PV10 Total Spend	In Service Date	Amortization Period	4/1/2018 Balance	3/31/2019 Balance	Average Balance	Service Co. Return	NMDE Allocation	NMOT Return	NMOT Return - Depe	NMOT Return - Depe
21	INVP 3641G1 - US Reference Security Architecture (R&I) (Cyber Security)		3614	900073906	YES	G020	\$ 93,939	12/1/2016	84	\$ 576,046	\$ 562,426	\$ 569,356	8,010.0%	17.70%	\$ 2,383	\$ 820	
22	INVP 4221 - High Performance Analytics Application (DANA)		4221	900073907	YES	G020	\$ 67,190	12/1/2016	120	\$ 3,522,811	\$ 4,499,201	\$ 5,570,955	8,010.0%	17.70%	\$ 11,229	\$ 3,898	
23	INVP 3922 - Access Violation Mgmt		3922	900073908	YES	G012	\$ 2,793,134	12/1/2016	120	\$ 2,382,283	\$ 2,107,669	\$ 2,243,126	8,010.0%	17.70%	\$ 4,825	\$ 16,797	
24	INVP 3922 - Access Violation Mgmt		3922	900073909	YES	G012	\$ 1,828,000	12/1/2016	120	\$ 1,645,915	\$ 1,444,414	\$ 1,544,414	8,010.0%	17.70%	\$ 3,705	\$ 11,905	
25	INVP 3922 - Access Violation Mgmt		3922	900073904	YES	G012	\$ 2,647,721	12/1/2016	120	\$ 2,314,984	\$ 2,115,484	\$ 2,215,484	8,010.0%	17.70%	\$ 4,825	\$ 16,797	
26	INVP 3922 - Access Violation Mgmt		3922	900073905	YES	G012	\$ 2,647,721	12/1/2016	120	\$ 2,314,984	\$ 2,115,484	\$ 2,215,484	8,010.0%	17.70%	\$ 4,825	\$ 16,797	
27	INVP 3945 - Annual HR & Payroll Management (Cyber Security)		3945	900073442	YES	G012	\$ 803,788	12/1/2016	120	\$ 696,616	\$ 666,447	\$ 666,447	8,010.0%	17.70%	\$ 1,425	\$ 4,911	
28	INVP 3945 - Annual HR & Payroll SP		3945	900073442	YES	G012	\$ 803,788	12/1/2016	120	\$ 696,616	\$ 666,447	\$ 666,447	8,010.0%	17.70%	\$ 1,425	\$ 4,911	
29	INVP 3945 - Annual HR & Payroll Mgmt		3945	900073442	YES	G012	\$ 803,788	12/1/2016	120	\$ 696,616	\$ 666,447	\$ 666,447	8,010.0%	17.70%	\$ 1,425	\$ 4,911	
30	INVP 4218 - Blanket Work Order		4218	900073889	YES	G012	\$ 2,393,526	12/1/2016	120	\$ 2,071,689	\$ 1,835,266	\$ 2,062,520	8,010.0%	17.70%	\$ 4,214	\$ 14,026	
31	INVP 3982 - NYS Pesticide Safety Compliance		3982	900061618	YES	G012	\$ 1,480,189	12/1/2016	84	\$ 1,198,248	\$ 998,792	\$ 998,792	8,010.0%	0.00%	\$ -	\$ -	
32	INVP 4225 - Auxiliary SAP Application Updates		4225	900073906	YES	G012	\$ 2,009,000	12/1/2016	120	\$ 1,666,286	\$ 1,526,670	\$ 1,611,901	8,010.0%	17.70%	\$ 3,705	\$ 11,905	
33	INVP 4225 - Auxiliary SAP Application Updates		4225	900073907	YES	G012	\$ 2,009,000	12/1/2016	120	\$ 1,666,286	\$ 1,526,670	\$ 1,611,901	8,010.0%	17.70%	\$ 3,705	\$ 11,905	
34	INVP 4251 - US Web Authentication Upgrade (R&I)		4251	900073929	YES	G020	\$ 300,947	12/1/2016	84	\$ 248,481	\$ 204,611	\$ 226,565	8,010.0%	17.70%	\$ 2,449	\$ 843	
35	INVP 3641H2 - US Web Authentication Upgrade (R&I)		3641	900041754	YES	G020	\$ 2,171,737	12/1/2016	84	\$ 1,758,899	\$ 1,447,888	\$ 1,662,565	8,010.0%	17.70%	\$ 17,330	\$ 5,962	
36	INVP 3641H3 - US Web Authentication Upgrade (R&I)		3641	900041754	YES	G020	\$ 2,171,737	12/1/2016	84	\$ 1,758,899	\$ 1,447,888	\$ 1,662,565	8,010.0%	17.70%	\$ 17,330	\$ 5,962	
37	INVP 3535 - NCTE/B Bankroll Increase		3535	900058896	YES	G020	\$ 214,483	12/1/2016	84	\$ 174,510	\$ 147,510	\$ 166,286	8,010.0%	17.70%	\$ 208	\$ 102	
38	INVP 3535 - NCTE/B Bankroll Increase		3535	900058896	YES	G020	\$ 214,483	12/1/2016	84	\$ 174,510	\$ 147,510	\$ 166,286	8,010.0%	17.70%	\$ 208	\$ 102	
Total IS										\$ 37,742,441	\$ 39,345,251	\$ 40,042,246		\$ -	\$ 15,663,587	\$ 41,006,411	
Total OS										\$ 3,588,272	\$ -	\$ -		\$ -	\$ -	\$ -	\$ 3,588,272
Total										\$ 41,330,713	\$ 39,345,251	\$ 40,042,246		\$ -	\$ 15,663,587	\$ 44,594,683	

NMDE 5 20,313,451

Nigeria M-Gen A Power Corporation of the National Grid
Service Company Return
Capital Expenditure allocated to Operating Components as Best Estimate
For the Date Year ended March 31, 2021

Line	Investment Name	Description	Work Order	NMPC	Bill Prod	NYI Total Spend	In Service Date	Amortization Period	4/1/2020 Balance	3/31/2021 Balance	Average Balance	7-Month Service Co Return Allocation	NMDE Return	NMDE Error - Days	CMET Allocation	NMOT Return	NMOT Error - Days	ROD
231	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
232	RVP 4224 - High Performance Analytics Appliance (HANA)		ISPP	0000178643	YES	G02	8,673,905	120	8,423,270	8,591,480	\$1,168,210	79,006	17,796	4,499	11,239	6,116	1427	3,898
233	RVP 3922 - Access Violation Management		ISPP	0000178699	YES	G02	52,749,134	120	8,832,296	8,537,843	\$1,695,229	79,006	17,796	17,882	48,823	6,116	6,152	16,397
234	RVP 3922 - Access Violation Management		ISPP	0000178699	YES	G02	52,749,134	120	8,832,296	8,537,843	\$1,695,229	79,006	17,796	17,882	48,823	6,116	6,152	16,397
235	RVP 4224 - High Performance Analytics Appliance (HANA)		ISPP	0000178643	YES	G02	8,673,905	120	8,423,270	8,591,480	\$1,168,210	79,006	17,796	4,499	11,239	6,116	1,427	3,898
236	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
237	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
238	RVP 3915 - Annual HR & Payroll Mandatory Service Pack Upgrade (HRSP)		ISPP	0000178621	YES	G02	80,073,288	120	553,909	545,400	\$1,495,609	79,006	17,796	5,228	14,275	6,116	1,799	4,911
239	RVP 3915 - Annual HR & Payroll Mandatory Service Pack Upgrade (HRSP)		ISPP	0000178621	YES	G02	80,073,288	120	553,909	545,400	\$1,495,609	79,006	17,796	5,228	14,275	6,116	1,799	4,911
240	RVP 4218 - Backup Work Order		ISPP	0000178699	YES	G00	82,530,426	120	8,595,864	8,258,501	\$1,476,363	79,006	17,796	15,570	42,514	6,116	4,537	14,626
241	RVP 3882 - NYS Pipeline Safety CMS Regulatory Compliance		3882	0000168831	YES	G07	51,480,189	84	573,337	556,381	\$66,949	79,006	17,796	-	-	0,006	-	-
242	RVP 4218 - Backup Work Order		ISPP	0000178699	YES	G00	82,530,426	120	8,595,864	8,258,501	\$1,476,363	79,006	17,796	15,570	42,514	6,116	4,537	14,626
243	RVP 4218 - Backup Work Order		ISPP	0000178699	YES	G02	82,530,426	120	8,595,864	8,258,501	\$1,476,363	79,006	17,796	15,570	42,514	6,116	4,537	14,626
244	RVP 4218 - Backup Work Order		ISPP	0000178699	YES	G00	82,530,426	120	8,595,864	8,258,501	\$1,476,363	79,006	17,796	15,570	42,514	6,116	4,537	14,626
245	RVP 4218 - Backup Work Order		ISPP	0000178699	YES	G02	82,530,426	120	8,595,864	8,258,501	\$1,476,363	79,006	17,796	15,570	42,514	6,116	4,537	14,626
246	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
247	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
248	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
249	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
250	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
251	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
252	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
253	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
254	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
255	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
256	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
257	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
258	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
259	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
260	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
261	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
262	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
263	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
264	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
265	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
266	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
267	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
268	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
269	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
270	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
271	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
272	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
273	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
274	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
275	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
276	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
277	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
278	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
279	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
280	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
281	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
282	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
283	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859	84	549,206	535,396	\$42,846	79,006	17,796	1,462	2,383	6,116	155	620
284	RVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)		3614	0000178693	YES	G00	309,859											

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, and March 31, 2021

Investment Name	INVP	Work Order	Allocation Code	Allocation to NMPC-E	Full Sanction Estimate*	10% Threshold for Incentive	Assumed Actuals upon Project Closure*	Difference from Sanctioned Amount	Electric Portion to be Shared
Green Burton 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)

Total Electric CAPEX savings reflected in rent expense \$ 417,599
20% of CAPEX savings recorded as a regulatory asset \$ 83,520

*The Company will share in any efficiency savings on capital costs to the extent actual capital costs upon project closure, as reflected in the sanction paper for project closure, are less than the full sanction estimate, as reflected in the full sanction paper, by ten percent or more. The 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" (rather than "Partial" or "Re-Sanction") in the "Sanction Type" field on the sanction paper. For purposes of the Green Burton 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

	<u>Electric Rate Year One</u>	<u>Electric Rate Year Two</u>	<u>Electric Rate Year Three</u>
1 Actual Expense	\$ 3,500	\$ 3,200	\$ 1,400
2 Percentage of LEDs Converted	<u>20%</u>	<u>11%</u>	<u>9%</u>
3 Amount Deferred	<u>\$ 1,600</u>	<u>\$ 291</u>	<u>\$ -</u>

Note: The LED EE Conversion Program upward deferral is capped at \$1.6 million in each rate year.

Notes (by line number)

- 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)

ELECTRIC EXAMPLE 1

	<u>Electric Rate Year One</u>	<u>Electric Rate Year Two</u>	<u>Electric Rate Year Three</u>
1 Actual Expense	\$ 50,000	\$ 52,000	\$ 51,700
2 Rate Allowance	<u>\$ 53,058</u>	<u>\$ 53,058</u>	<u>\$ 53,058</u>
3 Difference	<u>\$ 3,058</u>	<u>\$ 1,058</u>	<u>\$ 1,358</u>
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		

ELECTRIC EXAMPLE 2

	<u>Electric Rate Year One</u>	<u>Electric Rate Year Two</u>	<u>Electric Rate Year Three</u>
1 Actual Expense	\$ 53,000	\$ 54,000	\$ 53,050
2 Rate Allowance	<u>\$ 53,058</u>	<u>\$ 53,058</u>	<u>\$ 53,058</u>
3 Difference	<u>\$ 58</u>	<u>\$ (942)</u>	<u>\$ 8</u>
4 3 Year Cumulative Actuals	\$ 160,050		
5 3 Year Cumulative Rate Allowance	\$ 159,174		
6 Difference - underspend / (overspend)	\$ (876)		
7 Deferral	\$ -		

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)

- 1 Input - Actual Costs
- 2 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		Adjusted Forecast Deferral		Percent	Rate Year One	Rate Year Two	Rate Year Three	Forecast Deferral
	Balance at 3/31/18	Staff Acctg Panel Adjustments	Balance at 3/31/18			Credit Allocation	Credit Allocation	Credit Allocation	Balance at end of Rate Year 3
	(in millions)		(in millions)					(in millions)	
						\$ 116.9160	\$ 59.2950	\$ 19.4600	
<u>RRP Testimony Table 8 Electric Deferrals</u>									
OPEB Expense Deferred – Electric	\$ (54.976)		\$ (54.976)	19.56%	\$ 22.865	\$ 11.596	\$ 3.806	\$ (16.709)	
Pension Expense Deferred – Electric	34.178		34.178	-12.16%	(14.215)	(7.209)	(2.366)	10.388	
Internal Reserve Carrying Charges	(50.829)		(50.829)	18.08%	21.140	10.721	3.519	(15.449)	
Storm Restoration Costs	(45.950)		(45.950)	16.35%	19.111	9.692	3.181	(13.966)	
Auction Debt True Up – Electric	(58.617)		(58.617)	20.85%	24.379	12.364	4.058	(17.816)	
Dunkirk and Other Reliability Support Services Costs	57.000		57.000	-20.28%	(23.707)	(12.023)	(3.946)	17.324	
Site Investigation and Remediation Expense – Electric	(64.412)		(64.412)	22.91%	26.789	13.586	4.459	(19.577)	
Capital Tracker – Case 12-E-0201 (FY14-16)	(16.682)		(16.682)	5.93%	6.938	3.519	1.155	(5.070)	
Net Utility Plant and Depreciation Expense Reconciliation Mechanism – Electric Distribution	75.704		75.704	-26.93%	(31.486)	(15.968)	(5.241)	23.009	
Electric Community Carrying Charges	(32.849)		(32.849)	11.69%	13.662	6.929	2.274	(9.984)	
Vegetation Management Deferral	16.159		16.159	-5.75%	(6.721)	(3.408)	(1.119)	4.911	
Electric Customer Service Penalties	(13.329)		(13.329)	4.74%	5.544	2.811	0.923	(4.051)	
Elevated Voltage Testing Deferral	(15.288)		(15.288)	5.44%	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)	1.25%	1.456	0.738	0.242	(1.064)	
Deferral Summary – Case 10-E – 0050 *	3.149		3.149	-1.12%	(1.310)	(0.664)	(0.218)	0.957	
Bonus Depreciation Adjustment – Electric – Case 15-M-0744	(9.699)		(9.699)	3.45%	4.034	2.046	0.671	(2.948)	
Generation Stranded Cost Adjustment	(2.759)		(2.759)	0.98%	1.147	0.582	0.191	(0.839)	
NYPA Discount Reconciliation Deferral	(1.401)		(1.401)	0.50%	0.583	0.296	0.097	(0.426)	
Curtailement - Electric	(0.293)		(0.293)	0.10%	0.122	0.062	0.020	(0.089)	
REV Demonstration Project Costs	3.283		3.283	-1.17%	(1.365)	(0.692)	(0.227)	0.998	
Transmission Footer Inspection Deferral	(0.400)		(0.400)	0.14%	0.166	0.084	0.028	(0.122)	
Sub-Transmission Footer Inspection Deferral	(0.114)		(0.114)	0.04%	0.047	0.024	0.008	(0.035)	
Transmission Tower Painting Deferral	(0.032)		(0.032)	0.01%	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)	0.03%	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)	0.31%	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)	33.50%	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
(\$000's)

<u>Activity</u>	<u>Description</u>	<u>Avg Bal</u> <u>HYE 12/31/2016</u>	<u>Actual</u> <u>Balance at</u> <u>12/31/2016</u>	<u>Forecast</u> <u>Balance at</u> <u>3/31/2018</u>	<u>Mechanism</u> <u>Ongoing/</u> <u>Discontinued</u>	<u>Carrying</u> <u>Charges</u>
Regulatory Assets & Liabilities with Proposed Surcharge with No Interest EXCLUDED from Rate Base						
1823253	Pens Exp Defrd-EI	\$ 7,737	\$ 9,001	\$ 12,668	Ongoing	None
1823254	OPEB Exp Defrd-EI	819	1,167	4,224	Ongoing	None
Total of Accounts w/ Recovery but NOT in Rate Base		<u>\$ 8,556</u>	<u>\$ 10,168</u>	<u>\$ 16,892</u>		
Regulatory Assets & Liabilities with Proposed Surcharge with Interest EXCLUDED in Rate Base						
1823049	Deferred Gas Costs	\$ 2,616	\$ 23,922	\$ 23,922	Ongoing	N/A
1823076	TAC Imbalance Surcha	74	-	-	Ongoing	N/A
1823085	Medicare Act tax	3,231	3,231	3,231	Discontinued	Yes - Pre-Tax WACC
1823195	RDM Rev Decoupling	254	1,675	1,675	Ongoing	Yes - Pre-Tax WACC
1823202	GAC SC/Ref Adj Def	3,301	-	-	Ongoing	N/A
1823233	80/20 Rev Sharg Meech	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	-	-	Discontinued	Yes - Pre-Tax WACC
2540076	TAC Imbalance Refund	(12)	(91)	(91)	Ongoing	Yes - Pre-Tax WACC
2540160	EE Surcharge-Gas	(2,157)	(2,521)	(2,521)	Ongoing	Yes - Pre-Tax WACC
2540232	Cap Tracker-Gas	(5,693)	(6,180)	(6,180)	Ongoing	Yes - Pre-Tax WACC
2540274	Low Income Program	(203)	(946)	(3,015)	Ongoing	Yes - Pre-Tax WACC
2540281	OffSys Sales-Profit	(275)	(1,560)	(1,560)	Ongoing	Yes - Pre-Tax WACC
2540507	Oth Reg Asts	(69)	(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 Sure/Ref Adj Def	(828)	-	-	Ongoing	N/A
2540547	NYS Sales Tax Refund	(336)	(336)	(336)	Discontinued	Yes - Pre-Tax WACC
2540551	GRT Customer Refund	(15)	(15)	(15)	Discontinued	Yes - Pre-Tax WACC
2540553	Gas Millennium Fund	(827)	(476)	453	Ongoing	Yes - Pre-Tax WACC
2540559	Bonus Dep Adj Gas	(32)	(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)	(3,723)	(3,723)	Discontinued	Yes - Pre-Tax WACC
2540578	Curtailement	(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)	(2,896)	(2,896)	Discontinued	Yes - Pre-Tax WACC
2540615	NUPD-Mee-G-15-M-0744	1,278	5,369	22,958	Ongoing	Yes - Pre-Tax WACC
2540703	Economic Development	(4,010)	(4,916)	(8,090)	Ongoing	Yes - Pre-Tax WACC
2540704	Economic Develop Gra	(2,357)	(2,805)	(2,555)	Ongoing	Yes - Pre-Tax WACC
2540706	AffordAbility Program	(177)	(281)	(651)	Discontinued ¹	Yes - Pre-Tax WACC
2540710	Property Tax Exp Def	(8,518)	(9,142)	(11,973)	Ongoing	Yes - Pre-Tax WACC
2540712	Variable Pay Deferra	(429)	(431)	(431)	Ongoing	Yes - Pre-Tax WACC
2540719	FIT Repair Cost - Ga	(30,113)	(30,113)	(30,113)	Discontinued	Yes - Pre-Tax WACC
2540729	MFC - Imbalance	(164)	(84)	(84)	Ongoing	Yes - Pre-Tax WACC
2540730	NMPC Gas CC Chrg Def	(12,411)	(15,223)	(23,732)	Ongoing	N/A
2540736	CEF Def-Gas	(8,128)	(9,089)	(9,089)	Ongoing	Yes - Pre-Tax WACC
2540539	NIMO-Enhanced SBC Pr	(2,314)	-	-	Ongoing	Yes - Pre-Tax WACC
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
Total of Accounts w/ Recovery but NOT in Rate Base		\$ (130,262.93)	\$ (107,289.77)	\$ (112,420.92)		
Total Accounts included in Surcharge				\$ (95,529.34)		

* - 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.

¹ 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>	<u>Avg Bal</u> <u>HYE 12/31/2016</u>	<u>Actual</u> <u>Balance at</u> <u>12/31/2016</u>	<u>Forecast</u> <u>Balance at</u> <u>3/31/2018</u>	<u>Mechanism</u> <u>Ongoing/</u> <u>Discontinued</u>	<u>Carrying</u> <u>Charges</u>
<u>Other Regulatory Assets & Liabilities Included in Rate Base</u>						
1823024	Enhanced Svrnce 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 Rcvries Net	60	-	-	Discontinued	None
1823XXX	Management Audit Amort	-	-	64	Ongoing	None
Subtotal Other Reg. Assets in Rate Base		<u>\$ 56</u>	<u>\$ (0)</u>	<u>\$ 490</u>		
<u>Other Regulatory Assets & Liabilities Excluded from Rate Base</u>						
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 Accounts w/ Recovery but NOT in Rate Base		<u>\$ 143,829</u>	<u>\$ 129,036</u>	<u>\$ 129,036</u>		
<u>Other Assets & Liabilities Included in Rate Base</u>						
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 Other Reg. Liabilities in Rate Base		<u>\$ 6,685</u>	<u>\$ 2,736</u>	<u>\$ 1,982</u>		
Net Reg Assets & Liabilities Included in Rate Base		<u><u>\$ 6,742</u></u>	<u><u>\$ 2,736</u></u>	<u><u>\$ 2,471</u></u>		

* - 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)

GAS EXAMPLE

<u>Month</u>	(a) <u>Beginning Balance</u>	(b) <u>Spending in Excess of Threshold</u>	(c) <u>Interest Rate</u> 8.07%	(d) <u>Interest</u>	(e) <u>Ending Balance</u>
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)
Nov-18	(470,000.00)	90,000.00	0.67%	(2,110.00)	(380,000.00)
Dec-18	(380,000.00)	90,000.00	0.67%	(1,663.18)	(290,000.00)
Jan-19	(290,000.00)	70,000.00	0.67%	(1,266.00)	(220,000.00)
Feb-19	(220,000.00)	60,000.00	0.67%	(943.29)	(160,000.00)
Mar-19	(160,000.00)	35,000.00	0.67%	(707.47)	(125,000.00)
				(17,239.93)	

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 Gas Pension and OPEB Expense
(\$000's)

GAS PENSION EXAMPLE

	<u>Gas Pension Rate Year One</u>	<u>Gas Pension Rate Year Two</u>	<u>Gas Pension Rate Year Three</u>
1 Actual Expense	\$ 8,000	\$ 1,500	\$ 1,000
2 Rate Allowance	<u>\$ 6,383</u>	<u>\$ 1,852</u>	<u>\$ 311</u>
3 Amount Deferred to (from) customers	<u><u>\$ (1,617)</u></u>	<u><u>\$ 352</u></u>	<u><u>\$ (689)</u></u>

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

	<u>Gas OPEB Rate Year One</u>	<u>Gas OPEB Rate Year Two</u>	<u>Gas OPEB Rate Year Three</u>
4 Actual Expense	\$ 3,000	\$ 2,500	\$ 2,000
5 Rate Allowance	<u>\$ 3,424</u>	<u>\$ 2,335</u>	<u>\$ 630</u>
6 Amount Deferred to (from) customers	<u><u>\$ 424</u></u>	<u><u>\$ (165)</u></u>	<u><u>\$ (1,370)</u></u>

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

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
Pension & OPEB Expense
(\$000's)

	Rate Year Ending March 31, 2019		Data Year Ending March 31, 2020		Data Year Ending March 31, 2021	
	Total	Electric	Total	Electric	Total	Electric
1 Pension						
2						
3						
4						
5						
6						
7 OPEB						
8						
9						
10						
11						
	38,688.44	32,498.3	9,690.8	8,140.2	-	-
Term Sheet (Sched 16)	6,190.2		864.7	563.5	978.5	667.6
Other Initiatives (Sched 27)	192.4		147.9	147.9	76.7	76.7
OPEX Assoc with CAPEX (Sched 27)	-		10,703.3	8,851.6	1,055.2	744.3
Total	39,567.4	33,184.8	12,180.6	10,231.7	1,451.3	1,219.1
			1,107.7	721.9	1,253.6	855.3
Term Sheet (Sched 11)	3,177.6		213.7	213.7	103.4	103.4
Other Initiatives (Sched 27)	246.5		13,502.1	11,167.3	2,808.3	2,177.8
OPEX Assoc with CAPEX (Sched 27)	-		2,334.7			
Total	21,014.7	17,590.6	3,424.1			

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

	Gas Rate Year One	Gas Rate Year Two	Gas Rate Year Three
1 Actual Discounts Provided	\$ 15,200	\$ 15,100	\$ 14,700
2 Amount of Discounts in Rate Allowance	<u>\$ 14,905</u>	<u>\$ 14,905</u>	<u>\$ 14,905</u>
3 Difference	<u>\$ (295)</u>	<u>\$ (195)</u>	<u>\$ 205</u>
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

	Gas Rate Year One	Gas Rate Year Two	Gas Rate Year Three
1 Actual Discounts Provided	\$ 14,700	\$ 14,800	\$ 15,100
2 Amount of Discounts in Rate Allowance	<u>\$ 14,905</u>	<u>\$ 14,905</u>	<u>\$ 14,905</u>
3 Difference	<u>\$ 205</u>	<u>\$ 105</u>	<u>\$ (195)</u>
4 3 Year Cumulative Actual Discounts Provided	\$ 44,600		
5 3 Year Cumulative Rate Allowance	\$ 44,716		
6 Difference - underspend / (overspend)	\$ 116		
7 Deferral for future use in a Low Income Program	\$ 116		

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
- 5 Sum Line 2 for Rate Years 1-3
- 6 Line 5 less Line 4
- 7 If cumulative actual discounts for Rate Years 1-3 are less than cumulative rate allowances for same period, then amount is deferred for future 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 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

	<u>Gas Rate Year One</u>	<u>Gas Rate Year Two</u>	<u>Gas Rate Year Three</u>
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	<u>\$ 30</u>	<u>\$ 39</u>	<u>\$ 45</u>
5 Total forecasted EZR and EJP Discounts	\$ 1,150	\$ 935	\$ 762
6 Amount Deferred to customers / (due from customers)	<u>\$ 50</u>	<u>\$ 35</u>	<u>\$ (88)</u>

Notes (by line number)

- 1 Input - Actual Customer EZR & EJP Discounts provided
- 3 Forecasted EZR Rate Year Discounts. See Page 2 of 2, Line 1
- 4 Forecasted EJP Rate Year Discounts. See Page 2 of 2, Line 2
- 5 Line 3 + Line 4
- 6 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

GAS

<u>Lines</u>	<u>Annual Discounts</u>	Fiscal Year <u>2019</u>	Fiscal Year <u>2020</u>	Fiscal Year <u>2021</u>
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	<u>\$1,150,000</u>	<u>\$935,000</u>	<u>\$761,800</u>
	<u>Monthly Discount Target</u>			
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	<u>\$95,833</u>	<u>\$77,917</u>	<u>\$63,483</u>

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

	<u>Gas Rate Year One</u>	<u>Gas Rate Year Two</u>	<u>Gas Rate Year Three</u>
1 Actual Expense	\$ 500	\$ 1,200	\$ 950
2 Rate Allowance	<u>\$ 1,000</u>	<u>\$ 1,000</u>	<u>\$ 1,000</u>
3 Difference	<u>\$ 500</u>	<u>\$ (200)</u>	<u>\$ 50</u>
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

	<u>Gas Rate Year One</u>	<u>Gas Rate Year Two</u>	<u>Gas Rate Year Three</u>
1 Actual Expense	\$ 900	\$ 1,200	\$ 1,150
2 Rate Allowance	<u>\$ 1,000</u>	<u>\$ 1,000</u>	<u>\$ 1,000</u>
3 Difference	<u>\$ 100</u>	<u>\$ (200)</u>	<u>\$ (150)</u>
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 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

	<u>Gas</u> <u>Rate Year One</u>
1 Actual Interest Expense	\$ 4,000
2 Annual Rate Allowance	<u>\$ 4,041</u>
3 Amount Deferred to (from) customers	<u><u>\$ 41</u></u>

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

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)

<u>LONG-TERM DEBT</u>	<u>Maturity Date</u>	<u>Principal Amount</u>	<u>Test Year Effective Rate</u>	<u>Change in Variable Rate</u>	<u>Rate Year 1 Effective Rate</u>	<u>Rate Year 1 Interest</u>
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
		<u>\$429,465</u>	<u>1.65%</u>		<u>4.96%</u>	<u>21,298</u>
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	Gas Rate Year Two	Gas Rate 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

Notes (by line number)

- 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 Date	Principal Amount	Rate Year 1 Effective Rate	Rate Year 1 Interest & Expenses	Rate Year 2 Effective Rate	Rate Year 2 Interest & Expenses	Rate Year 3 Effective Rate	Rate Year 3 Interest & 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 Year Ending March 31, 2019

	Total Gas Revenue Requirement Target	Total Gas Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Gas Net Utility Plant in Service (d)	Gas Depreciation 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	<u>\$ 183,448</u>				<u>\$ 130,875</u>	<u>\$ 52,572</u>
Estimate Actual Results		\$ 2,483,909	\$ 15,341	\$ (877,723)	\$ 1,621,527	\$ 52,597
Pre-Tax WACC					8.07%	
Total Revenue Requirement Actuals	<u>\$ 183,383</u>				<u>\$ 130,786</u>	<u>\$ 52,597</u>
Actuals higher/(lower) than Target	<u>\$ (65)</u>					

*Amounts include allocated portion of common plant (84% Electric, 16% Gas)

Rate Year Ending March 31, 2020

	Total Gas Revenue Requirement Target	Total Gas Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Gas Net Utility Plant in Service (d)	Gas Depreciation 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	<u>\$ 193,840</u>				<u>\$ 138,676</u>	<u>\$ 55,164</u>
Estimate Actual Results		\$ 2,592,018	\$ 21,015	\$ (897,991)	\$ 1,715,042	\$ 54,520
Pre-Tax WACC					8.02%	
Total Revenue Requirement Actuals	<u>\$ 191,991</u>				<u>\$ 137,471</u>	<u>\$ 54,520</u>
Actuals higher/(lower) than Target	<u>\$ (1,849)</u>					

*Amounts include allocated portion of common plant (84% Electric, 16% Gas)

Rate Year Ending March 31, 2021

	Total Gas Revenue Requirement Target	Total Gas Plant in Service (a)	Non-Interest Bearing CWIP (b)	Reserve for Depreciation (c)	Gas Net Utility Plant in Service (d)	Gas Depreciation 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	<u>\$ 206,317</u>				<u>\$ 148,218</u>	<u>\$ 58,099</u>
Estimate Actual Results		\$ 2,756,480	\$ 30,037	\$ (921,201)	\$ 1,865,316	\$ 58,054
Pre-Tax WACC					7.99%	
Total Revenue Requirement Actuals	<u>\$ 207,010</u>				<u>\$ 148,956</u>	<u>\$ 58,054</u>
Actuals higher/(lower) than Target	<u>\$ 693</u>					

*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	<u>\$ 583,605</u>
3 Year Cumulative Actuals higher/lower than Target	<u>\$ (1,221)</u>

Note: Downward only reconciliation - no amounts due from customers if actuals are higher 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

	<u>Gas</u> <u>Rate Year One</u>	<u>Gas</u> <u>Rate Year Two</u>	<u>Gas</u> <u>Rate Year Three</u>
1 Actual Expense	\$ 4,750	\$ 5,000	\$ 4,600
2 Rate Allowance	<u>\$ 4,821</u>	<u>\$ 4,821</u>	<u>\$ 4,821</u>
3 Amount Deferred to (from) customers	<u>\$ 71</u>	<u>\$ (179)</u>	<u>\$ 221</u>

Notes (by line number)

- 1 Hypothetical Actual Costs
- 2 Forecasted Rate Year expense. See Joint Proposal Section 10.1.6
- 3 Line 2 less Line 1

Niagara Mohawk Power Corporation d/b/a National Grid
PSC Case 17-E-0238 & 17-G-0239
General Principles of the SIR Deferral 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 base¹ 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.

¹ 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

	<u>Gas Rate Year One</u>	<u>Gas Rate Year Two</u>	<u>Gas Rate Year Three</u>
1 Actual Expense	\$ 40,000	\$ 45,000	\$ 50,000
2 Rate Allowance	<u>\$ 43,072</u>	<u>\$ 45,311</u>	<u>\$ 47,730</u>
3 Under (over) spending	\$ 3,072	\$ 311	\$ (2,270)
4 Customer share of under (over) spending	<u>80%</u>	<u>80%</u>	<u>80%</u>
5 Amount Deferred to (from) Customers	<u>\$ 2,457</u>	<u>\$ 248</u>	<u>\$ (1,816)</u>

Notes (by line number)

- 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

	<u>Gas Rate Year One</u>	<u>Gas Rate Year Two</u>	<u>Gas Rate Year Three</u>
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>	<u>\$ 203</u>	<u>\$ -</u>

If the actual expense is greater than the rate allowance, there is no additional recovery from customers. This is a downward only reconciliation.

Notes (by line number)

- 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 expected 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	<u>\$ 764</u>	<u>\$ 764</u>	<u>\$ 764</u>
3 Amount Deferred to customers / (due from customers)	<u><u>\$ (236)</u></u>	<u><u>\$ 364</u></u>	<u><u>\$ (186)</u></u>

**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.**

Notes (by line number)

- 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

	<u>Gas</u> <u>Rate Year One</u>	<u>Gas</u> <u>Rate Year Two</u>	<u>Gas</u> <u>Rate Year Three</u>
1 Actual Expense	\$ 250	\$ 450	\$ 500
2 Rate Allowance	<u>414</u>	<u>414</u>	<u>414</u>
3 Amount Deferred to (from) customers	<u>\$ 164</u>	<u>\$ (36)</u>	<u>\$ (86)</u>

Notes (by line number)

- 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
 Gas Safety and Reliability Surcharge
 Example of All Components of Gas Safety and Reliability Surcharge (GSRs)
 (\$000s)

	Page Reference	Rate Year One FY 2019	Rate Year Two FY 2020	Rate Year Three 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		<u>\$461</u>	<u>\$1,307</u>	<u>\$2,234</u>

Niagara Mohawk Power Corporation d/b/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 ALLOWANCE-----]

LPP Rate Allowance and Example Assumptions for Illustrative Purposes of the Recovery of Incremental Costs and the Removal Incentive:

Rate Year	Annual Replacement Threshold (Miles)	Rate Allowance Capital Average Unit Cost	Cumulative Replacement Threshold (Miles)	Example for Illustrative Purposes Total Cumulative Incremental (Miles)	Example for Illustrative Purposes Annual Incremental Miles Subject to GSRS	Example for Illustrative Purposes Capital Average Unit Cost
FY 2019	50	\$184	50	54	4	\$187
FY 2020	50	\$188	100	107	7	\$196
FY 2021	50	\$192	150	162	12	\$187

[-----EXAMPLE ASSUMPTIONS FOR ILLUSTRATIVE PURPOSES-----]

[-----RATE ALLOWANCE-----]

Rate Allowance - 50 Miles Replacement at \$184 Average Unit Cost

	Capital Expend. Closes To Plant In-Service (Note 1)	Plant Balance (b)	Depreciation Expense 1.82% (Note 2) (c)	Accumulated Depreciation Reserve Balance (d)	Net Utility Plant (b)+(d) (e)	Pre - Tax WACC 8.07% (Note 3) (f)	Total Revenue Requirement (c)+(f) (g)
FY 2019	0	0	0	0	0	0	0
Mar-2018	3,984	3,984	6	0	3,984	27	27
Apr-2018	3,559	7,543	11	-6	7,537	51	51
May-2018	4,642	12,185	18	-17	12,168	82	82
Jun-2018	6,421	18,606	28	-36	18,570	125	125
Jul-2018	5,866	24,473	37	-64	24,408	164	164
Aug-2018	6,215	30,688	47	-101	30,586	206	206
Sep-2018	5,249	35,936	55	-148	35,789	241	241
Oct-2018	340	36,276	62	-202	36,074	242	242
Nov-2018	4,540	40,816	66	-257	40,559	273	273
Dec-2018	2,682	43,498	62	-319	43,179	290	290
Jan-2019	2,674	46,171	66	-385	45,786	308	308
Feb-2019	2,405	48,576	70	-455	48,121	162	162
Mar-2019	\$48,576		\$455		26,892	\$2,169	\$2,624
Miles	50						
Feet	264,000						
Unit Cost per Foot	\$184						
2% Cap on Unit Cost	\$188						

[-----EXAMPLE FOR ILLUSTRATIVE PURPOSES-----]

Example - 4 Incremental Miles at \$187 Avg Unit Cost

	Capital Expend. Closes To Plant In-Service (Note 1)	Plant Balance (j)	Depreciation Expense 1.82% (Note 2) (k)	Accumulated Depreciation Reserve Balance (l)	Net Utility Plant (j)+(l) (m)	Pre - Tax WACC 8.07% (Note 3) (n)	Total Revenue Requirement (k)+(n) (o)	Amount Subject to Surcharge (Note 4)
	0	0	0	0	0	0	0	0
	324	324	0	0	324	2	2	2
	289	613	0	0	613	4	4	4
	377	991	1	-1	989	7	7	7
	522	1,513	2	-3	1,510	10	10	10
	477	1,990	2	-5	1,985	13	13	13
	505	2,495	3	-8	2,487	17	17	17
	427	2,922	4	-12	2,910	20	20	20
	28	2,949	4	-16	2,933	20	20	20
	369	3,319	4	-21	3,298	22	22	22
	218	3,537	5	-26	3,511	24	24	24
	217	3,754	5	-31	3,723	25	25	25
	196	3,949	6	-37	3,912	13	13	13
	\$3,949		\$37		2,186	\$176	\$213	\$213
Miles	4							
Feet	21,120							
Unit Cost per Foot	\$187							
2% Cap on Unit Cost	\$188							

Niagara Mohawk Power Corporation d/b/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)

EXAMPLE FOR ILLUSTRATIVE PURPOSES															
RATE ALLOWANCE - 50 Miles Replacement at \$192 Average Unit Cost						Example of 5 Incremental Miles at \$187 Average Unit Cost									
Capital Expend. Closes															
	To Plant In-Service (Note 1)	Plant Balance (a)	Depreciation Expense 1.82% (Note 2) (c)	Accumulated Reserve Balance (d)	Net Utility Plant (b)+(d)	Pre-Tax WACC 7.99% (Note 3) (f)	Total Requirement (g)	To Plant In-Service (Note 1) (i)	Plant Balance (j)	Depreciation Expense 1.82% (Note 2) (k)	Accumulated Reserve Balance (l)	Net Utility Plant (m)	Pre-Tax WACC 7.99% (Note 3) (n)	Total Requirement (o)	Maximum Amount Subject to Surcharge (Note 4)
FY 2021															
Mar-2020	4,157	98,208	149	-1,804	96,404	322	322	405	6,987	7,392	-137	6,850	23	23	
Apr-2020	3,713	102,365	155	-1,952	100,413	668	668	362	7,392	7,544	-148	7,244	48	48	
May-2020	4,844	106,079	161	-2,108	103,971	692	692	472	8,225	7,594	-159	7,594	51	51	
Jun-2020	6,700	110,923	168	-2,268	108,654	723	723	653	8,878	8,054	-171	8,054	54	54	
Jul-2020	6,121	117,623	178	-2,437	115,187	767	767	596	9,474	8,695	-183	8,695	58	58	
Aug-2020	6,485	123,745	188	-2,615	121,130	806	806	533	10,106	9,277	-197	9,277	62	62	
Sep-2020	5,477	130,230	197	-2,802	127,428	848	848	461	10,639	10,431	-226	10,431	66	66	
Oct-2020	355	135,707	206	-3,000	132,707	883	883	35	10,674	10,431	-243	10,431	69	69	
Nov-2020	4,737	136,061	206	-3,206	132,856	884	884	273	11,135	10,876	-259	10,876	72	72	
Dec-2020	2,798	140,799	213	-3,412	137,387	914	914	272	11,408	11,132	-276	11,132	74	74	
Jan-2021	2,790	143,597	218	-3,625	139,972	931	931	244	11,679	11,386	-293	11,386	76	76	
Feb-2021	2,509	146,387	222	-3,843	142,544	949	949	18	11,924	11,613	-311	11,613	39	39	
Mar-2021		148,896		-4,065	144,831	482	482								
		\$50,688		\$2,261	123,572	\$9,869	\$12,130		\$4,937	\$173		9,519	\$760	\$934	\$934
Miles	50							5							
Feet	264,000							26,400							
Unit Cost per Foot	\$192														
2% Cap on Unit Cost	\$196														

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.
 2) Depreciation is based on the composite depreciation rate for mains and services based on 12/31/2016 plant balances.
 3) Utilizes pre-tax WACC by fiscal year per filing with a 9.00% ROE.
 4) The unit costs are capped at the lesser of the average capital replacement cost 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.
 5) The FY 2019 incremental mileage spend will be rolled forward to the FY 2020 and FY 2021 surcharges, calculating a return on the net plant investment and associated depreciation expense.
 6) 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

	<u>CY 2018</u>	<u>CY 2019</u>	<u>CY 2020</u>
Leak Repairs - Year End Target	925	850	700
Actual Year End Leak Inventory - Example	865	675	425
Incremental Leaks Repaired	<u>60</u>	<u>175</u>	<u>275</u>

Recovery of Incremental Leak Repair Costs:

Maximum Incremental Limit per Year Subject to Recovery	<u>250</u>	<u>250</u>	<u>250</u>
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	<u>\$247,374</u>	<u>\$761,262</u>	<u>\$1,300,033</u>

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
 (\$000's)

Example 2
 Net Plant/Depreciation Tracker Over in FY 2019 Under in FY 2020 Over in FY 2021 Yes
 GSRs - LPP Cost Recovery 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

1) Assume all other components of net plant forecast results are lower than forecast allowed in rates, in addition to LPP surcharge being applicable:

	Forecast Allowed in Rates		
	FY2019	FY2020	FY2021
Total Net Utility Plant/ Depreciation including 50 miles of LPP	\$1,622,639,644	\$1,730,082,381	\$1,856,074,702
Average Net Plant	8.07%	8.02%	7.99%
Pre-Tax Return %	\$130,875,361	\$138,676,204	\$148,218,401
Return on Ratebase	\$52,572,357	\$55,163,794	\$58,098,518
Depreciation	\$183,447,718	\$193,839,998	\$206,316,919
Total Net Plant/Depreciation Revenue Requirement			

	Assumed Actual Results		
	FY2019	FY2020	FY2021
Total Net Utility Plant/ Depreciation including 50 miles of LPP	\$1,625,639,644	\$1,728,082,381	\$1,861,074,702
Average Net Plant	8.07%	8.02%	7.99%
Pre-Tax Return %	\$131,117,328	\$138,515,892	\$148,617,681
Return on Ratebase	\$52,635,357	\$55,121,794	\$58,203,518
Depreciation	\$183,752,685	\$193,637,686	\$206,821,199
Total Net Plant/Depreciation Revenue Requirement			

	Difference - Regulatory Asset/(Liability)		
	FY2019	FY2020	FY2021
Total Net Utility Plant/ Depreciation including 50 miles of LPP	\$3,000,000	(\$2,000,000)	\$5,000,000
Average Net Plant	8.07%	8.02%	7.99%
Pre-Tax Return %	\$241,968	(\$160,312)	\$399,279
Return on Ratebase	\$63,000	(\$42,000)	\$105,000
Depreciation	\$304,968	(\$202,312)	\$504,279
Total Net Plant/Depreciation Revenue Requirement			

	LPP Cost Recovery based on Net Utility Plant/ Depreciation		
	FY2019	FY2020	FY2021
LPP Average Net Plant	\$2,186,411	\$5,558,073	\$9,519,095
Pre-Tax Return %	8.07%	8.02%	7.99%
Return on Ratebase	\$176,347	\$445,512	\$760,155
LPP Depreciation	\$36,996	\$100,295	\$173,339
LPP Net Plant/Depreciation Revenue Requirement	\$213,343	\$545,807	\$933,495
Total Net Plant/Deprec Revenue Req't including LPP Surcharge	\$183,661,060	\$194,385,805	\$207,250,414

	Difference - Regulatory Asset/(Liability)		
	FY2019	FY2020	FY2021
Total Net Utility Plant/ Depreciation including 50 miles of LPP	(\$2,186,411)	(\$5,558,073)	(\$9,519,095)
Average Net Plant	8.07%	8.02%	7.99%
Pre-Tax Return %	(\$176,347)	(\$445,512)	(\$760,155)
Return on Ratebase	(\$36,996)	(\$100,295)	(\$173,339)
Depreciation	(\$213,343)	(\$545,807)	(\$933,495)
Total Net Plant/Deprec Revenue Req't including LPP Surcharge	\$91,625	(\$748,119)	(\$429,215)

Total Net Plant Tracker Regulatory Liability

	\$0	(\$748,119)	(\$429,215)
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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	FY 2019 Main Replacement Unit Cost Incentive Mechanism					
	Tier 1	Tier 2	Tier 3	Tier 4	Tier 5	Tier 6
Unit Cost	> \$181	> \$178	> \$176	> \$173	> \$170	> \$170
Savings From Base	< 1.50%	< 3.00%	< 4.50%	< 6.00%	< 7.50%	< 7.50%
Positive Incentive Pre-Tax Basis Point (BP)	0	2	4	6	8	10
Estimate of one BP	\$184	\$160,091	\$320,182	\$480,273	\$640,363	\$ 800,454

Base	FY 2020 Main Replacement Unit Cost Incentive Mechanism					
	Tier 1	Tier 2	Tier 3	Tier 4	Tier 5	Tier 6
Unit Cost	> \$185	> \$182	> \$180	> \$177	> \$174	> \$174
Savings From Base	< 1.50%	< 3.00%	< 4.50%	< 6.00%	< 7.50%	< 7.50%
Positive Incentive Pre-Tax Basis Point (BP)	0	2	4	6	8	10
Estimate of one BP	\$188	\$171,967	\$343,933	\$515,900	\$687,866	\$ 859,833

Base	FY 2021 Main Replacement Unit Cost Incentive Mechanism					
	Tier 1	Tier 2	Tier 3	Tier 4	Tier 5	Tier 6
Unit Cost	> \$189	> \$186	> \$183	> \$180	> \$178	> \$178
Savings From Base	< 1.50%	< 3.00%	< 4.50%	< 6.00%	< 7.50%	< 7.50%
Positive Incentive Pre-Tax Basis Point (BP)	0	2	4	6	8	10
Estimate of one BP	\$192	\$186,088	\$372,176	\$558,264	\$744,352	\$ 930,440

EXAMPLE FOR ILLUSTRATIVE PURPOSES:

Actual Unit Cost	FY 2019	FY 2020	FY 2021
Savings From Base	\$ 187	\$ 187	\$ 187
Positive Incentive Basis Point (BP)	N/A	N/A	2.60%
Estimate of Basis Point PRA Deferral from Customers	0	0	\$186,088

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)

	<u>CY 2018</u>	<u>CY 2019</u>	<u>Cumulative CY 2020</u>
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	<u>\$640,363</u>	<u>\$515,900</u>	<u>\$930,440</u>

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

	<u>CY 2018</u>	<u>CY 2019</u>	<u>CY 2020</u>
Leak Repairs - Year End Target	925	850	700
Actual Year End Leak Inventory - Example	865	675	425
Incremental Leaks Repaired	<u>60</u>	<u>175</u>	<u>275</u>

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	<u>\$80,045</u>	<u>\$257,950</u>	<u>\$465,220</u>

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

	Rate Year Ending March 31, 2019		
	Total Revenue Requirement Target	Gas Revenue Requirement Return (a)	Gas Revenue Requirement Depreciation (b)
Forecast included in Revenue Requirement Settlement		\$ 1,896,720	\$ 5,976,601
Total Revenue Requirement Target	<u>\$ 7,873,321</u>	<u>\$ 1,896,720</u>	<u>\$ 5,976,601</u>
*Estimated Actual Results		\$ 1,989,513	\$ 6,042,432
Total Revenue Requirement Actuals	<u>\$ 8,031,945</u>	<u>\$ 1,989,513</u>	<u>\$ 6,042,432</u>
Actuals higher/(lower) than Target	<u>\$ 158,624</u>		

	Rate Year Ending March 31, 2020		
	Total Revenue Requirement Target	Gas Revenue Requirement Return (a)	Gas Revenue Requirement Depreciation (b)
Forecast included in Revenue Requirement Settlement		\$ 2,421,667	\$ 7,642,245
Total Revenue Requirement Target	<u>\$ 10,063,912</u>	<u>\$ 2,421,667</u>	<u>\$ 7,642,245</u>
*Estimated Actual Results		\$ 2,350,000	\$ 7,450,000
Total Revenue Requirement Actuals	<u>\$ 9,800,000</u>	<u>\$ 2,350,000</u>	<u>\$ 7,450,000</u>
Actuals higher/(lower) than Target	<u>\$ (263,912)</u>		

	Rate Year Ending March 31, 2021		
	Total Revenue Requirement Target	Gas Revenue Requirement Return (a)	Gas Revenue Requirement Depreciation (b)
Forecast included in Revenue Requirement Settlement		\$ 2,936,598	\$ 9,596,677
Total Revenue Requirement Target	<u>\$ 12,533,274</u>	<u>\$ 2,936,598</u>	<u>\$ 9,596,677</u>
*Estimated Actual Results		\$ 3,050,000	\$ 9,680,000
Total Revenue Requirement Actuals	<u>\$ 12,730,000</u>	<u>\$ 3,050,000</u>	<u>\$ 9,680,000</u>
Actuals higher/(lower) than Target	<u>\$ 196,726</u>		

3 Year Cumulative Revenue Requirement Actuals	\$ 30,561,945
3 Year Cumulative Revenue Requirement Target	\$ 30,470,507
3 Year Cumulative Actuals higher/(lower) than Target	<u>\$ 91,438</u>

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

Line	Investment Name	Program	INVP	Bill/Inv	Forecast Balance at FY19 Investment Add/Inv	Forecast Balance at FY19 End	Adjusted Forecast Balance at FY19 End	% Shipped/Thresholded	Forecast Balance after Final Ship/Cost	Amortization Period	4/1/2018 Balance	3/31/2019 Balance	Average Balance	Service Co	NMGO Abandon	NMGO Return	NMGO Return Days
1	INVP 0400	INVP 0400	0400	0400	215,000	215,000	215,000	0.0%	215,000	84	215,000	215,000	215,000	8.070%	4.58%	199	1,282
2	Risk Based Assessment - 2FA Admin Alternative	Cyber Security	364101	030	9,674,142	9,674,142	9,674,142	0.0%	9,674,142	84	9,674,142	9,674,142	9,674,142	8.070%	4.58%	22,397	5,027
3	INVP 0401	INVP 0401	0401	0401	1,600,000	1,600,000	1,600,000	0.0%	1,600,000	84	1,600,000	1,600,000	1,600,000	8.070%	4.58%	1,109	5,996
4	Identity & Access Management - Role Based Access Management (RBAC)	Cyber Security	3683	030	2,238,480	2,238,480	2,238,480	0.0%	2,238,480	84	2,238,480	2,238,480	2,238,480	8.070%	4.58%	1,662	2,321
5	Enhanced DLP Gateway and Endpoint	Cyber Security	364107	030	4,829,286	4,829,286	4,829,286	0.0%	4,829,286	84	4,829,286	4,829,286	4,829,286	8.070%	4.58%	11,585	3,199
6	INVP 0402	INVP 0402	0402	0402	500,000	500,000	500,000	0.0%	500,000	84	500,000	500,000	500,000	8.070%	4.58%	391	2,199
7	USCM Intrusion Detection/Prevention Phase 1	Cyber Security	3683	030	1,650,000	1,650,000	1,650,000	0.0%	1,650,000	84	1,650,000	1,650,000	1,650,000	8.070%	4.58%	1,199	6,298
8	Identity & Access Management - Fine Grain Access Management	Cyber Security	3683	030	482,288	482,288	482,288	0.0%	482,288	84	482,288	482,288	482,288	8.070%	4.58%	110	4,262
9	INVP 0403	INVP 0403	0403	0403	4,414,561	4,414,561	4,414,561	0.0%	4,414,561	84	4,414,561	4,414,561	4,414,561	8.070%	4.58%	5	-
10	ITOT Data Analytics - Phase 1	Cyber Security	3683	030	1,270,700	1,270,700	1,270,700	0.0%	1,270,700	84	1,270,700	1,270,700	1,270,700	8.070%	4.58%	5	-
11	Security Research Lab	Cyber Security	3683	030	297,820	297,820	297,820	0.0%	297,820	84	297,820	297,820	297,820	8.070%	4.58%	5	-
12	USCM Security Enhancement Phase 1	Cyber Security	3683	030	1,512,008	1,512,008	1,512,008	0.0%	1,512,008	84	1,512,008	1,512,008	1,512,008	8.070%	4.58%	5	-
13	Security Research Lab	Cyber Security	3683	030	297,820	297,820	297,820	0.0%	297,820	84	297,820	297,820	297,820	8.070%	4.58%	5	-
14	USCM Security Enhancement Phase 1	Cyber Security	3683	030	1,512,008	1,512,008	1,512,008	0.0%	1,512,008	84	1,512,008	1,512,008	1,512,008	8.070%	4.58%	5	-
15	Security Research Lab	Cyber Security	3683	030	297,820	297,820	297,820	0.0%	297,820	84	297,820	297,820	297,820	8.070%	4.58%	5	-
16	Security Research Lab	Cyber Security	3683	030	297,820	297,820	297,820	0.0%	297,820	84	297,820	297,820	297,820	8.070%	4.58%	5	-
17	Security Incident Event Management Phase 4	Cyber Security	3683	030	1,120,783	1,120,783	1,120,783	0.0%	1,120,783	84	1,120,783	1,120,783	1,120,783	8.070%	4.58%	671	5
18	Big Data Security Analytics - Phase 1	Cyber Security	3683	030	4,090,666	4,090,666	4,090,666	0.0%	4,090,666	84	4,090,666	4,090,666	4,090,666	8.070%	4.58%	5	-
19	Identity & Access Management - Shared Area Access Management	Cyber Security	3683	030	586,086	586,086	586,086	0.0%	586,086	84	586,086	586,086	586,086	8.070%	4.58%	5	-
20	Security Incident Event Management Phase 2	Cyber Security	3683	030	2,464,948	2,464,948	2,464,948	0.0%	2,464,948	84	2,464,948	2,464,948	2,464,948	8.070%	4.58%	5	-
21	Security Incident Event Management (SIEM)	Cyber Security	3683	030	2,464,948	2,464,948	2,464,948	0.0%	2,464,948	84	2,464,948	2,464,948	2,464,948	8.070%	4.58%	5	-
22	Big Data Security Analytics - Phase 2	Cyber Security	3683	030	500,000	500,000	500,000	0.0%	500,000	84	500,000	500,000	500,000	8.070%	4.58%	5	-
23	ITOT Discovery and Implementation - Phase 2	Cyber Security	3683	030	1,207,476	1,207,476	1,207,476	0.0%	1,207,476	84	1,207,476	1,207,476	1,207,476	8.070%	4.58%	5	-
24	ITOT Discovery and Implementation - Phase 2	Cyber Security	3683	030	1,207,476	1,207,476	1,207,476	0.0%	1,207,476	84	1,207,476	1,207,476	1,207,476	8.070%	4.58%	5	-
25	ITOT Discovery and Implementation - Phase 2	Cyber Security	3683	030	1,207,476	1,207,476	1,207,476	0.0%	1,207,476	84	1,207,476	1,207,476	1,207,476	8.070%	4.58%	5	-
26	ITOT Discovery and Implementation - Phase 2	Cyber Security	3683	030	1,207,476	1,207,476	1,207,476	0.0%	1,207,476	84	1,207,476	1,207,476	1,207,476	8.070%	4.58%	5	-
27	Data Visualization	DP1/MapData	3683	030	152,111	152,111	152,111	0.0%	152,111	84	152,111	152,111	152,111	8.070%	0.00%	5	-
28	INVP 4137	INVP 4137	4137	030	45,716	45,716	45,716	0.0%	45,716	84	45,716	45,716	45,716	8.070%	0.00%	5	-
29	INVP 4137	INVP 4137	4137	030	45,716	45,716	45,716	0.0%	45,716	84	45,716	45,716	45,716	8.070%	0.00%	5	-
30	INVP 4137	INVP 4137	4137	030	45,716	45,716	45,716	0.0%	45,716	84	45,716	45,716	45,716	8.070%	0.00%	5	-
31	INVP 985	INVP 985	985	030	229,667	229,667	229,667	0.0%	229,667	84	229,667	229,667	229,667	8.070%	4.58%	559	1,699
32	INVP 985	INVP 985	985	030	229,667	229,667	229,667	0.0%	229,667	84	229,667	229,667	229,667	8.070%	4.58%	559	1,699
33	INVP 985	INVP 985	985	030	229,667	229,667	229,667	0.0%	229,667	84	229,667	229,667	229,667	8.070%	4.58%	559	1,699
34	INVP 407	INVP 407	407	030	1,164,235	1,164,235	1,164,235	0.0%	1,164,235	84	1,164,235	1,164,235	1,164,235	8.070%	4.58%	2,132	5,984
35	INVP 404	INVP 404	404	030	2,303,959	2,303,959	2,303,959	0.0%	2,303,959	84	2,303,959	2,303,959	2,303,959	8.070%	4.58%	31,966	80,095
36	INVP 404	INVP 404	404	030	2,303,959	2,303,959	2,303,959	0.0%	2,303,959	84	2,303,959	2,303,959	2,303,959	8.070%	4.58%	31,966	80,095
37	INVP 420	INVP 420	420	030	1,314,799	1,314,799	1,314,799	0.0%	1,314,799	84	1,314,799	1,314,799	1,314,799	8.070%	4.58%	3,431	8,244
38	HANA License Govt.	Cyber Security	4649	030	3,826,068	3,826,068	3,826,068	0.0%	3,826,068	84	3,826,068	3,826,068	3,826,068	8.070%	4.58%	8,506	20,031
39	Microsoft ILA Renewal	Cyber Security	4642	030	1,207,476	1,207,476	1,207,476	0.0%	1,207,476	84	1,207,476	1,207,476	1,207,476	8.070%	4.58%	7,131	20,986
40	INVP 404	INVP 404	404	030	2,303,959	2,303,959	2,303,959	0.0%	2,303,959	84	2,303,959	2,303,959	2,303,959	8.070%	4.58%	31,966	80,095
41	Zenoss	Cyber Security	4681	030	1,100,000	1,100,000	1,100,000	0.0%	1,100,000	84	1,100,000	1,100,000	1,100,000	8.070%	4.58%	5,239	15,240
42	INVP 257C	INVP 257C	257C	012	5	5	5	0.0%	5	84	5	5	5	8.070%	0.00%	5	-
43	INVP 461	INVP 461	461	030	254,000	254,000	254,000	0.0%	254,000	84	254,000	254,000	254,000	8.070%	4.58%	414	1,662
44	INVP 461	INVP 461	461	030	254,000	254,000	254,000	0.0%	254,000	84	254,000	254,000	254,000	8.070%	4.58%	414	1,662
45	INVP 440	INVP 440	440	030	705,521	705,521	705,521	0.0%	705,521	84	705,521	705,521	705,521	8.070%	4.58%	633	17,153
46	INVP 427A	INVP 427A	427A	030	680,000	680,000	680,000	0.0%	680,000	84	680,000	680,000	680,000	8.070%	4.58%	1,517	3,978
47	INVP 427A	INVP 427A	427A	030	680,000	680,000	680,000	0.0%	680,000	84	680,000	680,000	680,000	8.070%	4.58%	1,517	3,978
48	INVP 427A	INVP 427A	427A	030	680,000	680,000	680,000	0.0%	680,000	84	680,000	680,000	680,000	8.070%	4.58%	1,517	3,978
49	INVP 446	INVP 446	446	030	1,000,000	1,000,000	1,000,000	0.0%	1,000,000	84	1,000,000	1,000,000	1,000,000	8.070%	4.58%	2,495	6,543
50	Monthly - (MDS) Mobile Device	Cyber Security	4144	030	7,067,413	7,067,413	7,067,413	0.0%	7,067,413	84	7,067,413	7,067,413	7,067,413	8.070%	4.58%	8,727	46,241
51	INVP 446	INVP 446	446	030	1,386,708	1,386,708	1,386,708	0.0%	1,386,708	84	1,386,708	1,386,708	1,386,708	8.070%	4.58%	3,431	8,244
52	INVP 487	INVP 487	487	030	804,825	804,825	804,825	0.0%	804,825	84	804,825	804,825	804,825	8.070%	4.58%	1,956	5,266
53	USCM Security Enhancement (SMP) Upgrade	Cyber Security	4493	030	668,000	668,000	668,000	0.0%	668,000	84	668,000	668,000	668,000	8.070%	4.58%	4,171	11,311
54	USCM Security Enhancement (SMP) Upgrade	Cyber Security	4493	030	668,000	668,000	668,000	0.0%	668,000	84	668,000	668,000	668,000	8.070%	4.58%	4,171	11,311
55	USCM Security Enhancement (SMP) Upgrade	Cyber Security	4493	030	668,000	668,000	668,000	0.0%	668,000	84	668,000	668,000	668,000	8.070%	4.58%	4,171	11,311
56	USCM Security Enhancement (SMP) Upgrade	Cyber Security	4493	030	668,000	668,000	668,000	0.0%	668,000	84	668,000	668,000	668,000	8.070%	4.58%	4,171	11,311
57	INVP 448	INVP 448	448	030	3,855,044	3,855,044	3,855,044	0.0%	3,855,044	84	3,855,044	3,855,044	3,855,044	8.070%	4.67%	9,060	28,388

Nugen Advanced Power Corporation d/b/a National Grid
Service Company's Return on Investment Schedule for Operating Companies in Full Expense
For the Year Ended March 31, 2019

Program	NPV	IRR	Forward Balance at Fiscal Year End (FY18)	FY18 Investment Addition	Forward Balance at Fiscal Year End (FY19)	Adjusted Forward Balance at FY19	% Shipped/Underused	Forecast Balance after Fuel Year End (FY19) After Shipment	Amortization Period	4/1/2018 Balance	3/31/2019 Balance	Average Balance	Service Co. Return	NMGO Abatement	NMGO Credit Balance	NMGO Rent Dept
77. Load and IRR Forecasting (Application of Remote Sensing Data - Ams)	4679	C70	\$ -	\$ -	\$ 26,218	\$ 26,218	0.0%	\$ -	84	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
78. Load and IRR Forecasting (Application of Remote Sensing Data - Ams)	4449	C70	\$ 630,000	\$ -	\$ 630,000	\$ 630,000	0.0%	\$ 630,000	84	\$630,000	\$630,000	\$630,000	0.0%	\$ -	\$ -	\$ -
79. AM Program Leadership-1	4181	C70	\$ 2,110,800	\$ -	\$ 2,110,800	\$ 2,110,800	0.0%	\$ 2,110,800	84	\$2,110,800	\$2,110,800	\$2,110,800	0.0%	\$ -	\$ -	\$ -
80. CUI-Case Customer Center (Case/Case Technology) Upgrade Implementation Solution	382	C70	\$ 1,322,340	\$ 10,710	\$ 1,333,050	\$ 1,333,050	0.0%	\$ 1,333,050	84	\$1,333,050	\$1,333,050	\$1,333,050	0.0%	\$ -	\$ -	\$ -
81. UMS Energy Accounting System (AS) Migration to Workday Settlement Application (WSA)	4198	C106	\$ -	\$ 654,799	\$ 654,799	\$ 654,799	0.0%	\$ 654,799	84	\$0	\$654,799	\$327,399	0.0%	\$ -	\$ -	\$ -
82. JNP 4386 Service/Reliability Upgrade	4467	C106	\$ 763,138	\$ 1,275,842	\$ 2,038,980	\$ 2,038,980	0.0%	\$ 2,038,980	84	\$763,138	\$2,038,980	\$1,401,071	0.0%	\$ -	\$ -	\$ -
83. JNP 4386 Service/Reliability Upgrade	4467	C106	\$ -	\$ 212,243	\$ 212,243	\$ 212,243	0.0%	\$ 212,243	84	\$0	\$212,243	\$106,121	0.0%	\$ -	\$ -	\$ -
84. STRMS Capital Cost Estimate	4485	C41	\$ -	\$ -	\$ -	\$ -	0.0%	\$ -	84	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
85. CUI-Case Customer Center (Case/Case Technology) Upgrade Implementation Solution	4485	C41	\$ -	\$ -	\$ -	\$ -	0.0%	\$ -	84	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
86. CUI-Case Customer Center (Case/Case Technology) Upgrade Implementation Solution	4485	C41	\$ -	\$ -	\$ -	\$ -	0.0%	\$ -	84	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
87. CUI-Case Customer Center (Case/Case Technology) Upgrade Implementation Solution	4485	C41	\$ -	\$ -	\$ -	\$ -	0.0%	\$ -	84	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
88. Customer Bill Review	496Q	H173	\$ -	\$ -	\$ 129,253	\$ 129,253	0.0%	\$ 129,253	84	\$129,253	\$129,253	\$129,253	0.0%	\$ -	\$ -	\$ -
89. JNP 137 US CUI/MS SCADA Upgrade &	3737	C20	\$ 18,088,477	\$ 1,500,000	\$ 19,588,477	\$ 19,588,477	0.0%	\$ 19,588,477	84	\$18,088,477	\$19,588,477	\$18,834,238	0.0%	\$ -	\$ -	\$ -
90. JNP 137 US CUI/MS SCADA Upgrade &	4151	G129	\$ -	\$ 3,000,000	\$ 3,000,000	\$ 3,000,000	0.0%	\$ 3,000,000	84	\$0	\$3,000,000	\$1,500,000	0.0%	\$ -	\$ -	\$ -
91. Risk Management (Data Mgmt & Data Mgmt)	92	C20	\$ 2,110,800	\$ -	\$ 2,110,800	\$ 2,110,800	0.0%	\$ 2,110,800	120	\$2,110,800	\$2,110,800	\$2,110,800	0.0%	\$ -	\$ -	\$ -
92. Risk Management (Data Mgmt & Data Mgmt)	92	C20	\$ 2,110,800	\$ -	\$ 2,110,800	\$ 2,110,800	0.0%	\$ 2,110,800	120	\$2,110,800	\$2,110,800	\$2,110,800	0.0%	\$ -	\$ -	\$ -
93. AM Program Leadership-1	4181	C70	\$ 2,110,800	\$ -	\$ 2,110,800	\$ 2,110,800	0.0%	\$ 2,110,800	120	\$2,110,800	\$2,110,800	\$2,110,800	0.0%	\$ -	\$ -	\$ -
94. Addressing MA Models	4172	C20	\$ -	\$ 694,213	\$ 694,213	\$ 694,213	0.0%	\$ 694,213	120	\$0	\$694,213	\$347,106	0.0%	\$ -	\$ -	\$ -
95. Addressing MA Models	4172	C20	\$ -	\$ 694,213	\$ 694,213	\$ 694,213	0.0%	\$ 694,213	120	\$0	\$694,213	\$347,106	0.0%	\$ -	\$ -	\$ -
96. AM Program Leadership-1	4172	C20	\$ 2,452,256	\$ -	\$ 2,452,256	\$ 2,452,256	0.0%	\$ 2,452,256	120	\$2,452,256	\$2,452,256	\$2,452,256	0.0%	\$ -	\$ -	\$ -
97. EAM/EM Integration	4172	C20	\$ -	\$ 979,407	\$ 979,407	\$ 979,407	0.0%	\$ 979,407	120	\$0	\$979,407	\$489,703	0.0%	\$ -	\$ -	\$ -
98. EAM/EM Integration	4172	C20	\$ -	\$ 979,407	\$ 979,407	\$ 979,407	0.0%	\$ 979,407	120	\$0	\$979,407	\$489,703	0.0%	\$ -	\$ -	\$ -
99. Integration Management Integrations	4172	C20	\$ -	\$ 371,868	\$ 371,868	\$ 371,868	0.0%	\$ 371,868	120	\$0	\$371,868	\$185,934	0.0%	\$ -	\$ -	\$ -
100. AM Program Leadership-1	4172	C20	\$ -	\$ 1,729,226	\$ 1,729,226	\$ 1,729,226	0.0%	\$ 1,729,226	120	\$0	\$1,729,226	\$864,613	0.0%	\$ -	\$ -	\$ -
101. ASSET ANALYSIS (Integration)	4172	C20	\$ -	\$ -	\$ -	\$ -	0.0%	\$ -	120	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
102. ASSET ANALYSIS (Integration)	4172	C20	\$ -	\$ -	\$ -	\$ -	0.0%	\$ -	120	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
103. GHS (WACI) - PPM Integration	4172	C20	\$ -	\$ -	\$ -	\$ -	0.0%	\$ -	120	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
104. GHS (WACI) - PPM Integration	4172	C20	\$ -	\$ -	\$ -	\$ -	0.0%	\$ -	120	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
105. AM Program Leadership-1	4172	C20	\$ -	\$ -	\$ -	\$ -	0.0%	\$ -	120	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
106. Use Case No 1 - Asset Risk	4172	C20	\$ -	\$ -	\$ -	\$ -	0.0%	\$ -	120	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
107. Complex Design (CAD) & Estimating (ESW)	4172	C20	\$ -	\$ -	\$ -	\$ -	0.0%	\$ -	120	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
108. Complex Design (CAD) & Estimating (ESW)	4172	C20	\$ -	\$ -	\$ -	\$ -	0.0%	\$ -	120	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
109. Program Business System-1	4172	C20	\$ 117,299	\$ -	\$ 117,299	\$ 117,299	0.0%	\$ 117,299	120	\$117,299	\$117,299	\$117,299	0.0%	\$ -	\$ -	\$ -
110. Program Business System-1	4172	C20	\$ 117,299	\$ -	\$ 117,299	\$ 117,299	0.0%	\$ 117,299	120	\$117,299	\$117,299	\$117,299	0.0%	\$ -	\$ -	\$ -
111. Program Business System-1	4172	C20	\$ 69,947	\$ -	\$ 69,947	\$ 69,947	0.0%	\$ 69,947	120	\$69,947	\$69,947	\$69,947	0.0%	\$ -	\$ -	\$ -
112. Program Business System-1	4172	C20	\$ 69,947	\$ -	\$ 69,947	\$ 69,947	0.0%	\$ 69,947	120	\$69,947	\$69,947	\$69,947	0.0%	\$ -	\$ -	\$ -
113. Program Business System-1	4172	C20	\$ 1,516,210	\$ -	\$ 1,516,210	\$ 1,516,210	0.0%	\$ 1,516,210	120	\$1,516,210	\$1,516,210	\$1,516,210	0.0%	\$ -	\$ -	\$ -
114. Program Business System-1	4172	C20	\$ -	\$ -	\$ -	\$ -	0.0%	\$ -	120	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
115. Program Business System-1	4172	C20	\$ -	\$ -	\$ -	\$ -	0.0%	\$ -	120	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
116. Program Business System-1	4172	C20	\$ -	\$ -	\$ -	\$ -	0.0%	\$ -	120	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
117. Program Business System-1	4172	C20	\$ -	\$ -	\$ -	\$ -	0.0%	\$ -	120	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
118. Program Business System-1	4172	C20	\$ -	\$ -	\$ -	\$ -	0.0%	\$ -	120	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
119. Program Business System-1	4172	C20	\$ -	\$ -	\$ -	\$ -	0.0%	\$ -	120	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
120. Program Business System-1	4172	C20	\$ -	\$ -	\$ -	\$ -	0.0%	\$ -	120	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
121. Customer Interaction - First Release	4172	C20	\$ -	\$ 3,871,396	\$ 3,871,396	\$ 3,871,396	0.0%	\$ 3,871,396	120	\$0	\$3,871,396	\$1,935,698	0.0%	\$ -	\$ -	\$ -
122. Employee Support Interaction - First Release	4172	C20	\$ -	\$ 3,871,396	\$ 3,871,396	\$ 3,871,396	0.0%	\$ 3,871,396	120	\$0	\$3,871,396	\$1,935,698	0.0%	\$ -	\$ -	\$ -
123. Customer Interaction - First Release	4172	C20	\$ -	\$ 3,871,396	\$ 3,871,396	\$ 3,871,396	0.0%	\$ 3,871,396	120	\$0	\$3,871,396	\$1,935,698	0.0%	\$ -	\$ -	\$ -
124. Large Commercial & Landlord Interaction	4172	C20	\$ -	\$ 15,200,000	\$ 15,200,000	\$ 15,200,000	0.0%	\$ 15,200,000	120	\$0	\$15,200,000	\$7,600,000	0.0%	\$ -	\$ -	\$ -
125. Employee Support Interaction - Second Release	4172	C20	\$ -	\$ -	\$ -	\$ -	0.0%	\$ -	120	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
126. Employee Support Interaction - Second Release	4172	C20	\$ -	\$ -	\$ -	\$ -	0.0%	\$ -	120	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
127. Customer Experience Program Leadership-1	4172	C20	\$ -	\$ -	\$ -	\$ -	0.0%	\$ -	120	\$0	\$0	\$0	0.0%	\$ -	\$ -	\$ -
128. Data Management Implementation (Quality & Cleanup)	4172	C20	\$ 11,000,000	\$ -	\$ 11,000,000	\$ 11,000,000	0.0%	\$ 11,000,000	120	\$11,000,000	\$11,000,000	\$11,000,000	0.0%	\$ -	\$ -	\$ -
129. Data Management Implementation (Quality & Cleanup)	4172	C20	\$ 11,000,000	\$ -	\$ 11,000,000	\$ 11,000,000	0.0%	\$ 11,000,000	120	\$11,000,000	\$11,000,000	\$11,000,000	0.0%	\$ -	\$ -	\$ -
130. Data Management Implementation (Quality & Cleanup)	4172	C20	\$ 38,899	\$ -	\$ 38,899	\$ 38,899	0.0%	\$ 38,899	120	\$38,899	\$38,899	\$38,899	0.0%	\$ -	\$ -	\$ -
131. Data Management & Governance Program Leadership-1	4172	C20	\$ -	\$ 2,119,916	\$ 2,119,916	\$ 2,119,916	0.0%	\$ 2,119,916	120	\$0	\$2,119,916	\$1,059,958	0.0%	\$ -	\$ -	\$ -
132. Data Management & Governance Program Leadership-1	4172	C20	\$ -	\$ 2,119,916	\$ 2,119,916	\$ 2,119,916	0.0%	\$ 2,119,916	120	\$0	\$2,119,916	\$1,059,958	0.0%	\$ -	\$ -	\$ -
133. Data Management & Governance Program Leadership-1	4172	C20	\$ -	\$ 879,544	\$ 879,544	\$ 879,544	0.0%	\$ 879,544	120	\$0	\$879,544	\$439,772	0.0%	\$ -	\$ -	\$ -
134. Compliance Integrations Services (Enhancement)	4172	C20	\$ -	\$ 6,880,111	\$ 6,880,111	\$ 6,880,111	0.0%	\$ 6,880,111	120	\$0	\$6,880,111	\$3,440,055	0.0%	\$ -	\$ -	\$ -
135. Applications (Environment) Infrastructure	4172	C20	\$ -	\$ 78,624	\$ 78,624	\$ 78,624	0.0%	\$ 78,624	120	\$0	\$78,624	\$39,312	0.0%	\$ -	\$ -	\$ -
136. Applications (Environment) Infrastructure	4172	C20	\$ -	\$ 78,624	\$ 78,624	\$ 78,624	0.0%	\$ 78,624	120	\$0	\$78,624	\$39,312	0.0%	\$ -	\$ -	\$ -
137. Applications (Environment) Infrastructure	4172	C20	\$ -	\$ 2,174,400	\$ 2,174,400	\$ 2,174,400	0.0%	\$ 2,174,400	120	\$0	\$2,174,400	\$1,087,200	0.0%	\$ -	\$ -	\$ -
138. SVP and Application Integration (Development) Release 1-4	4172	C20	\$ -	\$ 4,983,187	\$ 4,983,187	\$ 4,983,187	0.0%	\$ 4,983,187	120	\$0	\$4,983,187	\$2,491,593	0.0%	\$ -	\$ -	\$ -
139. SVP and Application Integration (Development) Release 1-4	4172	C20	\$ -	\$ 4,983,187	\$ 4,983,187	\$ 4,983,187	0.0%	\$ 4,983,187	120	\$0	\$4,983,187	\$2,491,593	0.0%	\$ -	\$ -	\$ -
140. SVP and Application Integration (Development) Release 1-4	4172	C20	\$ -	\$ 694,790	\$ 694,790	\$ 694,790	0.0%	\$ 694,790	120	\$0	\$694,790	\$347,395	0.0%	\$ -	\$ -	\$ -
141. SVP and Application Integration (Development) Release 1-4	4172	C20	\$ -	\$ 694,790	\$ 694,790	\$ 694,790	0.0%	\$ 694,790	120	\$0	\$694,790	\$347,395	0.0%	\$ -	\$ -	\$ -
142. SVP and Application Integration (Development) Release 1-4	4172	C20	\$ -	\$ 5,053,712	\$ 5,053,712	\$ 5,053,712	0.0%	\$ 5,053,712	120	\$0	\$5,053,712	\$2,526,856	0.0%	\$ -	\$ -	\$ -
143. SVP and Application Integration (Development) Release 1-4	4172	C20	\$ -	\$												

Nigam Mahesh Power Corporation d/b/a National Grid
 Service Company Form
 For the year ended March 31, 2021

Line	Investment Name	Program	NINP #	BRI Pool	Forecasted Balance at		Forecasted Balance		In Service Date	Amortization	3/31/2021 Balance		4/1/2020 Balance		Average Balance	Service Co Return	NIMOG Allocation	NIMOG Best Return	NIMOG Best Dyn	
					Final Year End (FY20)	Initial Year End (FY21)	(\$ Mil)	(\$ Mil)			3/31/2021	4/1/2020	3/31/2021	4/1/2020						
1	Cloud Security	Cyber Security	3683	020	\$	1,600,000	\$	1,600,000	0.00%	0.00%	\$	1,600,000	\$	1,600,000	\$	7.9900%	\$	2,897	\$	9,553
2	Cloud Security	Cyber Security	3683	020	\$	9,624,142	\$	9,624,142	0.00%	0.00%	\$	9,624,142	\$	9,624,142	\$	7.9900%	\$	15,137	\$	60,287
3	Cloud Security	Cyber Security	3683	020	\$	800,000	\$	800,000	0.00%	0.00%	\$	800,000	\$	800,000	\$	7.9900%	\$	1,444	\$	5,234
4	Cloud Security	Cyber Security	3683	020	\$	1,650,000	\$	1,650,000	0.00%	0.00%	\$	1,650,000	\$	1,650,000	\$	7.9900%	\$	2,926	\$	10,996
5	Cloud Security	Cyber Security	3683	020	\$	4,828,586	\$	4,828,586	0.00%	0.00%	\$	4,828,586	\$	4,828,586	\$	7.9900%	\$	7,800	\$	29,760
6	Cloud Security	Cyber Security	3683	020	\$	1,361,144	\$	1,361,144	0.00%	0.00%	\$	1,361,144	\$	1,361,144	\$	7.9900%	\$	2,164	\$	8,359
7	Cloud Security	Cyber Security	3683	020	\$	5,500,000	\$	5,500,000	0.00%	0.00%	\$	5,500,000	\$	5,500,000	\$	7.9900%	\$	10,100	\$	37,992
8	Cloud Security	Cyber Security	3683	020	\$	1,000,000	\$	1,000,000	0.00%	0.00%	\$	1,000,000	\$	1,000,000	\$	7.9900%	\$	1,837	\$	6,843
9	Cloud Security	Cyber Security	3683	020	\$	5,500,000	\$	5,500,000	0.00%	0.00%	\$	5,500,000	\$	5,500,000	\$	7.9900%	\$	11,843	\$	43,661
10	Cloud Security	Cyber Security	3683	020	\$	325,000	\$	325,000	0.00%	0.00%	\$	325,000	\$	325,000	\$	7.9900%	\$	300	\$	1,126
11	Cloud Security	Cyber Security	3683	020	\$	1,650,000	\$	1,650,000	0.00%	0.00%	\$	1,650,000	\$	1,650,000	\$	7.9900%	\$	3,023	\$	11,206
12	Cloud Security	Cyber Security	3683	020	\$	800,000	\$	800,000	0.00%	0.00%	\$	800,000	\$	800,000	\$	7.9900%	\$	1,475	\$	5,437
13	Cloud Security	Cyber Security	3683	020	\$	1,206,300	\$	1,206,300	0.00%	0.00%	\$	1,206,300	\$	1,206,300	\$	7.9900%	\$	2,162	\$	7,990
14	Cloud Security	Cyber Security	3683	020	\$	4,621,532	\$	4,621,532	0.00%	0.00%	\$	4,621,532	\$	4,621,532	\$	7.9900%	\$	8,285	\$	30,238
15	Cloud Security	Cyber Security	3683	020	\$	1,740,000	\$	1,740,000	0.00%	0.00%	\$	1,740,000	\$	1,740,000	\$	7.9900%	\$	3,185	\$	11,638
16	Cloud Security	Cyber Security	3683	020	\$	3,131,516	\$	3,131,516	0.00%	0.00%	\$	3,131,516	\$	3,131,516	\$	7.9900%	\$	5,628	\$	20,503
17	Cloud Security	Cyber Security	3683	020	\$	1,687,906	\$	1,687,906	0.00%	0.00%	\$	1,687,906	\$	1,687,906	\$	7.9900%	\$	3,085	\$	11,206
18	Cloud Security	Cyber Security	3683	020	\$	2,661,651	\$	2,661,651	0.00%	0.00%	\$	2,661,651	\$	2,661,651	\$	7.9900%	\$	4,828	\$	17,638
19	Cloud Security	Cyber Security	3683	020	\$	1,962,963	\$	1,962,963	0.00%	0.00%	\$	1,962,963	\$	1,962,963	\$	7.9900%	\$	3,595	\$	13,134
20	Cloud Security	Cyber Security	3683	020	\$	3,783,007	\$	3,783,007	0.00%	0.00%	\$	3,783,007	\$	3,783,007	\$	7.9900%	\$	6,928	\$	25,388
21	Cloud Security	Cyber Security	3683	020	\$	4,124,455	\$	4,124,455	0.00%	0.00%	\$	4,124,455	\$	4,124,455	\$	7.9900%	\$	7,603	\$	27,913
22	Cloud Security	Cyber Security	3683	020	\$	2,256,401	\$	2,256,401	0.00%	0.00%	\$	2,256,401	\$	2,256,401	\$	7.9900%	\$	4,126	\$	15,094
23	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
24	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
25	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
26	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
27	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
28	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
29	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
30	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
31	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
32	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
33	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
34	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
35	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
36	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
37	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
38	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
39	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
40	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
41	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
42	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
43	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
44	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
45	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
46	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
47	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
48	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
49	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
50	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
51	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
52	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
53	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
54	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
55	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
56	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
57	Cloud Security	Cyber Security	3683	020	\$	1,364,281	\$	1,364,281	0.00%	0.00%	\$	1,364,281	\$	1,364,281	\$	7.9900%	\$	2,510	\$	9,141
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Nigam Mahesh Power Corporation d/b/a National Grid
 Service Company Form
 The following table reflects the Operating Committee's Best Estimate
 For the half year ended March 31, 2021

Line	Investment Name	Program	INVP #	BRI Pool	Forecasted Balance at		Forecasted Balance		PV2 Incremental	Forecasted Balance		Amortization	3/31/2021 Balance		Average Balance	Service Co Return	NIMOG Allocation	NIMOG Best Return	NIMOG Best Dayn	
					Final Year End (FY20)	Final Year End (FY21)	Final Year End (FY20)	Final Year End (FY21)		Address	Final Year End (FY20)		Final Year End (FY21)	Period						3/31/2021 Balance
463	RSX Tolerant Enh	FY18 Plan	463	C20	\$	536,718	\$	536,718	\$	536,718	\$	84	\$506,966	\$28,752	7.910%	4.58%	\$	714	\$	3,512
464	RSX Tolerant Enh	FY18 Plan	464	C20	\$	630,000	\$	630,000	\$	630,000	\$	84	\$459,000	\$170,000	7.910%	4.80%	\$	3,500	\$	13,922
465	RSX Tolerant Enh	FY18 Plan	465	C20	\$	3,164,400	\$	3,164,400	\$	3,164,400	\$	84	\$2,079,557	\$1,084,843	7.910%	4.58%	\$	5,511	\$	20,704
466	RSX Tolerant Enh	FY18 Plan	466	C20	\$	23,560,011	\$	23,560,011	\$	23,560,011	\$	84	\$18,350,604	\$5,209,407	7.910%	8.06%	\$	83,162	\$	29,231
467	RSX Tolerant Enh	FY18 Plan	467	C20	\$	8,962,200	\$	8,962,200	\$	8,962,200	\$	84	\$7,233,540	\$1,728,660	7.910%	7.16%	\$	27,844	\$	91,223
468	RSX Tolerant Enh	FY18 Plan	468	C20	\$	698,400	\$	698,400	\$	698,400	\$	84	\$608,943	\$89,457	7.910%	4.83%	\$	1,583	\$	4,819
469	RSX Tolerant Enh	FY18 Plan	469	C20	\$	129,235	\$	129,235	\$	129,235	\$	84	\$55,477	\$73,758	7.910%	7.07%	\$	177	\$	846
470	RSX Tolerant Enh	FY18 Plan	470	C20	\$	23,127,262	\$	23,127,262	\$	23,127,262	\$	84	\$20,000,308	\$3,126,954	7.910%	8.06%	\$	212,575	\$	50,095
471	RSX Tolerant Enh	FY18 Plan	471	C20	\$	4,884,226	\$	4,884,226	\$	4,884,226	\$	84	\$4,250,500	\$69,726	7.910%	4.82%	\$	50	\$	-
472	RSX Tolerant Enh	FY18 Plan	472	C20	\$	21,100,000	\$	21,100,000	\$	21,100,000	\$	84	\$16,466,422	\$4,633,578	7.910%	8.06%	\$	13,355	\$	32,066
473	RSX Tolerant Enh	FY18 Plan	473	C20	\$	3,164,400	\$	3,164,400	\$	3,164,400	\$	84	\$2,079,557	\$1,084,843	7.910%	4.58%	\$	1,815	\$	4,213
474	RSX Tolerant Enh	FY18 Plan	474	C20	\$	23,560,011	\$	23,560,011	\$	23,560,011	\$	84	\$18,350,604	\$5,209,407	7.910%	8.06%	\$	83,162	\$	29,231
475	RSX Tolerant Enh	FY18 Plan	475	C20	\$	8,962,200	\$	8,962,200	\$	8,962,200	\$	84	\$7,233,540	\$1,728,660	7.910%	7.16%	\$	27,844	\$	91,223
476	RSX Tolerant Enh	FY18 Plan	476	C20	\$	698,400	\$	698,400	\$	698,400	\$	84	\$608,943	\$89,457	7.910%	4.83%	\$	1,583	\$	4,819
477	RSX Tolerant Enh	FY18 Plan	477	C20	\$	129,235	\$	129,235	\$	129,235	\$	84	\$55,477	\$73,758	7.910%	7.07%	\$	177	\$	846
478	RSX Tolerant Enh	FY18 Plan	478	C20	\$	23,127,262	\$	23,127,262	\$	23,127,262	\$	84	\$20,000,308	\$3,126,954	7.910%	8.06%	\$	212,575	\$	50,095
479	RSX Tolerant Enh	FY18 Plan	479	C20	\$	4,884,226	\$	4,884,226	\$	4,884,226	\$	84	\$4,250,500	\$69,726	7.910%	4.82%	\$	50	\$	-
480	RSX Tolerant Enh	FY18 Plan	480	C20	\$	21,100,000	\$	21,100,000	\$	21,100,000	\$	84	\$16,466,422	\$4,633,578	7.910%	8.06%	\$	13,355	\$	32,066
481	RSX Tolerant Enh	FY18 Plan	481	C20	\$	3,164,400	\$	3,164,400	\$	3,164,400	\$	84	\$2,079,557	\$1,084,843	7.910%	4.58%	\$	1,815	\$	4,213
482	RSX Tolerant Enh	FY18 Plan	482	C20	\$	23,560,011	\$	23,560,011	\$	23,560,011	\$	84	\$18,350,604	\$5,209,407	7.910%	8.06%	\$	83,162	\$	29,231
483	RSX Tolerant Enh	FY18 Plan	483	C20	\$	8,962,200	\$	8,962,200	\$	8,962,200	\$	84	\$7,233,540	\$1,728,660	7.910%	7.16%	\$	27,844	\$	91,223
484	RSX Tolerant Enh	FY18 Plan	484	C20	\$	698,400	\$	698,400	\$	698,400	\$	84	\$608,943	\$89,457	7.910%	4.83%	\$	1,583	\$	4,819
485	RSX Tolerant Enh	FY18 Plan	485	C20	\$	129,235	\$	129,235	\$	129,235	\$	84	\$55,477	\$73,758	7.910%	7.07%	\$	177	\$	846
486	RSX Tolerant Enh	FY18 Plan	486	C20	\$	23,127,262	\$	23,127,262	\$	23,127,262	\$	84	\$20,000,308	\$3,126,954	7.910%	8.06%	\$	212,575	\$	50,095
487	RSX Tolerant Enh	FY18 Plan	487	C20	\$	4,884,226	\$	4,884,226	\$	4,884,226	\$	84	\$4,250,500	\$69,726	7.910%	4.82%	\$	50	\$	-
488	RSX Tolerant Enh	FY18 Plan	488	C20	\$	21,100,000	\$	21,100,000	\$	21,100,000	\$	84	\$16,466,422	\$4,633,578	7.910%	8.06%	\$	13,355	\$	32,066
489	RSX Tolerant Enh	FY18 Plan	489	C20	\$	3,164,400	\$	3,164,400	\$	3,164,400	\$	84	\$2,079,557	\$1,084,843	7.910%	4.58%	\$	1,815	\$	4,213
490	RSX Tolerant Enh	FY18 Plan	490	C20	\$	23,560,011	\$	23,560,011	\$	23,560,011	\$	84	\$18,350,604	\$5,209,407	7.910%	8.06%	\$	83,162	\$	29,231
491	RSX Tolerant Enh	FY18 Plan	491	C20	\$	8,962,200	\$	8,962,200	\$	8,962,200	\$	84	\$7,233,540	\$1,728,660	7.910%	7.16%	\$	27,844	\$	91,223
492	RSX Tolerant Enh	FY18 Plan	492	C20	\$	698,400	\$	698,400	\$	698,400	\$	84	\$608,943	\$89,457	7.910%	4.83%	\$	1,583	\$	4,819
493	RSX Tolerant Enh	FY18 Plan	493	C20	\$	129,235	\$	129,235	\$	129,235	\$	84	\$55,477	\$73,758	7.910%	7.07%	\$	177	\$	846
494	RSX Tolerant Enh	FY18 Plan	494	C20	\$	23,127,262	\$	23,127,262	\$	23,127,262	\$	84	\$20,000,308	\$3,126,954	7.910%	8.06%	\$	212,575	\$	50,095
495	RSX Tolerant Enh	FY18 Plan	495	C20	\$	4,884,226	\$	4,884,226	\$	4,884,226	\$	84	\$4,250,500	\$69,726	7.910%	4.82%	\$	50	\$	-
496	RSX Tolerant Enh	FY18 Plan	496	C20	\$	21,100,000	\$	21,100,000	\$	21,100,000	\$	84	\$16,466,422	\$4,633,578	7.910%	8.06%	\$	13,355	\$	32,066
497	RSX Tolerant Enh	FY18 Plan	497	C20	\$	3,164,400	\$	3,164,400	\$	3,164,400	\$	84	\$2,079,557	\$1,084,843	7.910%	4.58%	\$	1,815	\$	4,213
498	RSX Tolerant Enh	FY18 Plan	498	C20	\$	23,560,011	\$	23,560,011	\$	23,560,011	\$	84	\$18,350,604	\$5,209,407	7.910%	8.06%	\$	83,162	\$	29,231
499	RSX Tolerant Enh	FY18 Plan	499	C20	\$	8,962,200	\$	8,962,200	\$	8,962,200	\$	84	\$7,233,540	\$1,728,660	7.910%	7.16%	\$	27,844	\$	91,223
500	RSX Tolerant Enh	FY18 Plan	500	C20	\$	698,400	\$	698,400	\$	698,400	\$	84	\$608,943	\$89,457	7.910%	4.83%	\$	1,583	\$	4,819
501	RSX Tolerant Enh	FY18 Plan	501	C20	\$	129,235	\$	129,235	\$	129,235	\$	84	\$55,477	\$73,758	7.910%	7.07%	\$	177	\$	846
502	RSX Tolerant Enh	FY18 Plan	502	C20	\$	23,127,262	\$	23,127,262	\$	23,127,262	\$	84	\$20,000,308	\$3,126,954	7.910%	8.06%	\$	212,575	\$	50,095
503	RSX Tolerant Enh	FY18 Plan	503	C20	\$	4,884,226	\$	4,884,226	\$	4,884,226	\$	84	\$4,250,500	\$69,726	7.910%	4.82%	\$	50	\$	-
504	RSX Tolerant Enh	FY18 Plan	504	C20	\$	21,100,000	\$	21,100,000	\$	21,100,000	\$	84	\$16,466,422	\$4,633,578	7.910%	8.06%	\$	13,355	\$	32,066
505	RSX Tolerant Enh	FY18 Plan	505	C20	\$	3,164,400	\$	3,164,400	\$	3,164,400	\$	84	\$2,079,557	\$1,084,843	7.910%	4.58%	\$	1,815	\$	4,213
506	RSX Tolerant Enh	FY18 Plan	506	C20	\$	23,560,011	\$	23,560,011	\$	23,560,011	\$	84	\$18,350,604	\$5,209,407	7.910%	8.06%	\$	83,162	\$	29,231
507	RSX Tolerant Enh	FY18 Plan	507	C20	\$	8,962,200	\$	8,962,200	\$	8,962,200	\$	84	\$7,233,540	\$1,728,660	7.910%	7.16%	\$	27,844	\$	91,223
508	RSX Tolerant Enh	FY18 Plan	508	C20	\$	698,400	\$	698,400	\$	698,400	\$	84	\$608,943	\$89,457	7.910%	4.83%	\$	1,583	\$	4,819
509	RSX Tolerant Enh	FY18 Plan	509	C20	\$	129,235	\$	129,235	\$	129,235	\$	84	\$55,477	\$73,758	7.910%	7.07%	\$	177	\$	846
510	RSX Tolerant Enh	FY18 Plan	510	C20	\$	23,127,262	\$	23,127,262	\$	23,127,262	\$	84	\$20,000,308	\$3,126,954	7.910%	8.06%	\$	212,575	\$	50,095
511	RSX Tolerant Enh	FY18 Plan	511	C20	\$	4,884,226	\$	4,884,226	\$	4,884,226	\$	84	\$4,250,500	\$69,726	7.910%	4.82%	\$	50	\$	-
512	RSX Tolerant Enh	FY18 Plan	512	C20	\$	21,100,000	\$	21,100,000	\$	21,100,000	\$	84	\$16,466,422	\$4,633,578	7.910%	8.06%	\$	13,355	\$	32,066
513	RSX Tolerant Enh	FY18 Plan	513	C20	\$	3,164,400	\$	3,164,400	\$	3,164,400	\$	84	\$2,079,557	\$1,084,843	7.910%	4.58%	\$	1,815	\$	4,213
514	RSX Tolerant Enh	FY18 Plan	514	C20	\$	23,560,011	\$	23,560,011	\$	23,560,011	\$	84	\$18,350,604	\$5,209,407	7.910%	8.06%	\$	83,162	\$	29,231
515	RSX Tolerant Enh	FY18 Plan	515	C20	\$	8,962,200	\$	8,962,200	\$	8,962,200	\$	84	\$7,233,540	\$1,728,660	7.910%	7.16%	\$	27,844	\$	91,223
516	RSX Tolerant Enh	FY18 Plan	516	C20	\$	698,400	\$	698,400	\$	698,400	\$	84	\$608,943	\$89,457	7.910%	4.83%	\$	1,583	\$	4,819
517	RSX Tolerant Enh	FY18 Plan	517	C20	\$	129,235	\$	129,235	\$	129,235	\$	84	\$55,477	\$73,758	7.910%	7.07%	\$			

Nigam Mahan Power Corporation d/b/a National Grid
Service Company Item
For the full year ended March 31, 2021

Line	Investment Name	Program	INVP #	BBP Code	Forecasted Balance at Fiscal Year End (FY20)	FY21 Incremental Additions	Forecasted Balance at Fiscal Year End (FY21)	% Strapped/Deallocated	Strapping Code	In Service Date	Amortization Period	4/1/2020	3/31/2021	Average Balance	Service Co Return	NIMOG Allocation	NIMOG Return	NIMOG Best - Dyrn	802	
151	SAI and Application Integration Development Release 1.4	GBE-Information Services Enableing	472	C10	\$ -	\$ 60,000	\$ 60,000	50%		3/1/2021	120	\$ 0	\$ 56,820	\$ 58,262	79900%	18.89%	\$ -	\$ 1,222	\$ -	
152	SAI and Application Integration Development Release 1.4	GBE-Information Services Enableing	472	C10	\$ -	\$ 95,293	\$ 95,293	50%		3/1/2021	120	\$ 0	\$ 89,153	\$ 92,919	79900%	18.89%	\$ -	\$ 2,134	\$ -	
153	Mobilis, Grid & Lead for Compliance	GBE-Periodic Office	472	C10	\$ 1,481,127	\$ -	\$ 1,481,127	50%		3/1/2018	120	\$ 1,172,117	\$ 1,028,455	\$ 1,088,651	79900%	18.89%	\$ 2,714	\$ 2,620	\$ 2,620	
154	Periodic Management Leadership-1	GBE-Periodic Office	472	C10	\$ 1,782,449	\$ -	\$ 1,782,449	50%		3/1/2018	120	\$ 1,395,427	\$ 1,210,977	\$ 1,309,242	79900%	18.89%	\$ 12,822	\$ 12,822	\$ 12,822	
155	Solution Architect & High Combo-1	GBE-Periodic Office	472	C10	\$ 1,568,669	\$ -	\$ 1,568,669	50%		3/1/2019	120	\$ 1,184,617	\$ 1,032,400	\$ 1,108,417	79900%	18.89%	\$ 29,669	\$ 29,669	\$ 29,669	
156	Solution Architect & High Combo-2	GBE-Periodic Office	472	C10	\$ 1,999,129	\$ -	\$ 1,999,129	50%		3/1/2020	120	\$ 1,482,579	\$ 1,285,451	\$ 1,384,515	79900%	18.89%	\$ 18,657	\$ 18,657	\$ 18,657	
158	Periodic Management Leadership-1	GBE-Periodic Office	472	C10	\$ 2,612,469	\$ -	\$ 2,612,469	50%		3/1/2020	120	\$ 1,962,669	\$ 1,700,608	\$ 1,831,638	79900%	18.89%	\$ 24,132	\$ 24,132	\$ 24,132	
159	Solution Architect & High Combo-3	GBE-Periodic Office	472	C10	\$ 2,382,750	\$ 1,855,011	\$ 4,237,761	50%		3/1/2020	120	\$ 3,188,509	\$ 2,782,230	\$ 2,985,369	79900%	18.89%	\$ 33,700	\$ 33,700	\$ 33,700	
160	Periodic Management Leadership-4	GBE-Periodic Office	472	C10	\$ 508,541	\$ -	\$ 508,541	50%		3/1/2019	120	\$ 384,541	\$ 340,549	\$ 362,545	79900%	18.89%	\$ 4,199	\$ 4,199	\$ 4,199	
161	Supply Chain Program Leadership	GBE-Supply Chain	472	C10	\$ 2,174,614	\$ -	\$ 2,174,614	50%		3/1/2020	120	\$ 1,638,509	\$ 1,409,039	\$ 1,523,774	79900%	18.89%	\$ 2,800	\$ 2,800	\$ 2,800	
162	Business Architecture Design	GBE-Work Management	472	C10	\$ 2,300,878	\$ -	\$ 2,300,878	50%		12/1/2017	120	\$ 1,732,439	\$ 1,502,451	\$ 1,617,445	79900%	18.89%	\$ 19,943	\$ 19,943	\$ 19,943	
163	Business Architecture Design	GBE-Work Management	472	C10	\$ 2,160,735	\$ -	\$ 2,160,735	50%		12/1/2017	120	\$ 1,632,219	\$ 1,427,451	\$ 1,529,835	79900%	18.89%	\$ 18,511	\$ 18,511	\$ 18,511	
164	Business Architecture Design	GBE-Work Management	472	C10	\$ 2,376,723	\$ -	\$ 2,376,723	50%		7/1/2018	120	\$ 1,809,296	\$ 1,596,336	\$ 1,702,816	79900%	18.89%	\$ 18,519	\$ 18,519	\$ 18,519	
167	Construction & Library - process	GBE-Work Management	472	C10	\$ 1,623,956	\$ -	\$ 1,623,956	50%		11/1/2018	120	\$ 1,241,144	\$ 1,106,541	\$ 1,173,843	79900%	18.89%	\$ 11,513	\$ 11,513	\$ 11,513	
168	Work Program Leadership-2	GBE-Work Management	472	C10	\$ 807,233	\$ -	\$ 807,233	50%		3/1/2019	120	\$ 605,163	\$ 542,907	\$ 574,035	79900%	18.89%	\$ 4,189	\$ 4,189	\$ 4,189	
169	Work Program Leadership-3	GBE-Work Management	472	C10	\$ 1,501,922	\$ -	\$ 1,501,922	50%		3/1/2019	120	\$ 1,124,415	\$ 995,451	\$ 1,060,433	79900%	18.89%	\$ 12,421	\$ 12,421	\$ 12,421	
170	Customer Driven Work - Construction and non-Management Oth. - Gas	GBE-Work Management	472	C98	\$ 2,249,277	\$ -	\$ 2,249,277	50%		10/1/2019	120	\$ 1,700,882	\$ 1,500,974	\$ 1,600,928	79900%	0.00%	\$ -	\$ -	\$ -	
171	Customer, Leak Investigation & Inspection - Electric	GBE-Work Management	472	C10	\$ 18,944,138	\$ -	\$ 18,944,138	50%		10/1/2019	120	\$ 14,248,418	\$ 12,566,448	\$ 13,407,438	79900%	18.89%	\$ 164,160	\$ 164,160	\$ 164,160	
172	Customer, Leak Investigation & Inspection - Electric	GBE-Work Management	472	C98	\$ 10,022,538	\$ -	\$ 10,022,538	50%		10/1/2019	120	\$ 7,501,258	\$ 6,651,049	\$ 7,076,154	79900%	18.89%	\$ 6,664	\$ 6,664	\$ 6,664	
173	Customer, Leak Investigation & Inspection - Electric	GBE-Work Management	472	C10	\$ 846,783	\$ -	\$ 846,783	50%		6/1/2020	120	\$ 634,783	\$ 562,783	\$ 598,783	79900%	18.89%	\$ 4,845	\$ 4,845	\$ 4,845	
174	Construction Integration & Enhancements	GBE-Work Management	472	C10	\$ 1,031,426	\$ 1,071,836	\$ 2,103,262	50%		9/1/2020	120	\$ 1,561,790	\$ 1,368,452	\$ 1,465,121	79900%	18.89%	\$ 4,845	\$ 4,845	\$ 4,845	
175	Construction Work & Leak Repair	GBE-Work Management	472	C10	\$ 1,550,82	\$ -	\$ 1,550,82	50%		3/1/2021	120	\$ 1,167,309	\$ 1,031,001	\$ 1,099,155	79900%	18.89%	\$ 445	\$ 445	\$ 445	
176	Work Program Leadership-4	GBE-Work Management	472	C10	\$ 1,550,82	\$ -	\$ 1,550,82	50%		3/1/2021	120	\$ 1,167,309	\$ 1,031,001	\$ 1,099,155	79900%	18.89%	\$ 445	\$ 445	\$ 445	
177	Work Program Leadership-5	GBE-Work Management	472	C10	\$ 1,314,061	\$ -	\$ 1,314,061	50%		6/1/2021	120	\$ 987,588	\$ 861,001	\$ 924,294	79900%	18.89%	\$ -	\$ -	\$ -	
178	Core Project & Program Management	GBE-Work Management	472	C10	\$ 2,984,574	\$ 3,331,492	\$ 6,316,066	50%		3/1/2022	120	\$ 4,756,611	\$ 4,128,001	\$ 4,442,306	79900%	18.89%	\$ -	\$ -	\$ -	
180	Customer Experience Transformation/Communication Preferences Management	GrowthPay Book-CXT	472	C175	\$ 2,000,000	\$ -	\$ 2,000,000	0.00%		10/1/2019	84	\$ 0	\$ 1,889,952	\$ 1,992,328	\$ 1,940,640	79900%	8.66%	\$ 8,333	\$ 8,333	\$ 8,333
181	Customer Experience Transformation/Communication Preferences Management	GrowthPay Book-CXT	472	C175	\$ 2,000,000	\$ -	\$ 2,000,000	0.00%		10/1/2019	84	\$ 0	\$ 1,889,952	\$ 1,992,328	\$ 1,940,640	79900%	8.66%	\$ 8,333	\$ 8,333	\$ 8,333
182	Customer Experience Transformation/Communication Preferences Management	GrowthPay Book-CXT	472	C175	\$ 2,000,000	\$ -	\$ 2,000,000	0.00%		10/1/2019	84	\$ 0	\$ 1,889,952	\$ 1,992,328	\$ 1,940,640	79900%	8.66%	\$ 8,333	\$ 8,333	\$ 8,333
183	Customer Experience Transformation/Communication Preferences Management	GrowthPay Book-CXT	472	C175	\$ 2,000,000	\$ -	\$ 2,000,000	0.00%		10/1/2019	84	\$ 0	\$ 1,889,952	\$ 1,992,328	\$ 1,940,640	79900%	8.66%	\$ 8,333	\$ 8,333	\$ 8,333
184	US S&P - Business Planning	GrowthPay Book-France	427	020	\$ 4,643,000	\$ -	\$ 4,643,000	0.00%		3/31/2019	84	\$ 3,579,714	\$ 3,136,259	\$ 3,357,987	79900%	4.58%	\$ 9,704	\$ 9,704	\$ 9,704	
185	US S&P - Business Planning	GrowthPay Book-France	427	020	\$ 4,643,000	\$ -	\$ 4,643,000	0.00%		3/31/2019	84	\$ 3,579,714	\$ 3,136,259	\$ 3,357,987	79900%	4.58%	\$ 9,704	\$ 9,704	\$ 9,704	
186	US S&P - Business Planning	GrowthPay Book-France	427	020	\$ 4,643,000	\$ -	\$ 4,643,000	0.00%		3/31/2019	84	\$ 3,579,714	\$ 3,136,259	\$ 3,357,987	79900%	4.58%	\$ 9,704	\$ 9,704	\$ 9,704	
187	US S&P - Business Planning	GrowthPay Book-France	427	020	\$ 4,643,000	\$ -	\$ 4,643,000	0.00%		3/31/2019	84	\$ 3,579,714	\$ 3,136,259	\$ 3,357,987	79900%	4.58%	\$ 9,704	\$ 9,704	\$ 9,704	
188	DRMS for Grid Demand Response (Renech)	NY REV - Grid Mod	479K	018	\$ 5,827,818	\$ -	\$ 5,827,818	0.00%		9/30/2020	84	\$ 4,391,837	\$ 3,789,000	\$ 4,090,418	79900%	0.00%	\$ -	\$ -	\$ -	
189	DRMS for Grid Demand Response (Renech)	NY REV - Grid Mod	479K	018	\$ 5,827,818	\$ -	\$ 5,827,818	0.00%		9/30/2020	84	\$ 4,391,837	\$ 3,789,000	\$ 4,090,418	79900%	0.00%	\$ -	\$ -	\$ -	
190	DRMS for Grid Demand Response (Renech)	NY REV - Grid Mod	479K	018	\$ 5,827,818	\$ -	\$ 5,827,818	0.00%		9/30/2020	84	\$ 4,391,837	\$ 3,789,000	\$ 4,090,418	79900%	0.00%	\$ -	\$ -	\$ -	
191	DRMS for Grid Demand Response (Renech)	NY REV - Grid Mod	479K	018	\$ 5,827,818	\$ -	\$ 5,827,818	0.00%		9/30/2020	84	\$ 4,391,837	\$ 3,789,000	\$ 4,090,418	79900%	0.00%	\$ -	\$ -	\$ -	
192	DRMS for Grid Demand Response (Renech)	NY REV - Grid Mod	479K	018	\$ 5,827,818	\$ -	\$ 5,827,818	0.00%		9/30/2020	84	\$ 4,391,837	\$ 3,789,000	\$ 4,090,418	79900%	0.00%	\$ -	\$ -	\$ -	
193	DRMS for Grid Demand Response (Renech)	NY REV - Grid Mod	479K	018	\$ 5,827,818	\$ -	\$ 5,827,818	0.00%		9/30/2020	84	\$ 4,391,837	\$ 3,789,000	\$ 4,090,418	79900%	0.00%	\$ -	\$ -	\$ -	
194	DRMS for Grid Demand Response (Renech)	NY REV - Grid Mod	479K	018	\$ 5,827,818	\$ -	\$ 5,827,818	0.00%		9/30/2020	84	\$ 4,391,837	\$ 3,789,000	\$ 4,090,418	79900%	0.00%	\$ -	\$ -	\$ -	
195	DRMS for Grid Demand Response (Renech)	NY REV - Grid Mod	479K	018	\$ 5,827,818	\$ -	\$ 5,827,818	0.00%		9/30/2020	84	\$ 4,391,837	\$ 3,789,000	\$ 4,090,418	79900%	0.00%	\$ -	\$ -	\$ -	
196	DRMS for Grid Demand Response (Renech)	NY REV - Grid Mod	479K	018	\$ 5,827,818	\$ -	\$ 5,827,818	0.00%		9/30/2020	84	\$ 4,391,837	\$ 3,789,000	\$ 4,090,418	79900%	0.00%	\$ -	\$ -	\$ -	
197	DRMS for Grid Demand Response (Renech)	NY REV - Grid Mod	479K	018	\$ 5,827,818	\$ -	\$ 5,827,818	0.00%		9/30/2020	84	\$ 4,391,837	\$ 3,789,000	\$ 4,090,418	79900%	0.00%	\$ -	\$ -	\$ -	
198	DRMS for Grid Demand Response (Renech)	NY REV - Grid Mod	479K	018	\$ 5,827,818	\$ -	\$ 5,827,818	0.00%		9/30/2020	84	\$ 4,391,837	\$ 3,789,000	\$ 4,090,418	79900%	0.00%	\$ -	\$ -	\$ -	
199	DRMS for Grid Demand Response (Renech)	NY REV - Grid Mod	479K	018	\$ 5,827,818	\$ -	\$ 5,827,818	0.00%		9/30/2020	84	\$ 4,391,837	\$ 3,789,000	\$ 4,090,418	79900%	0.00%	\$ -	\$ -	\$ -	
200	AMI - Enterprise Service Bus & API Integration	NY REV - Grid Mod	479L	011	\$ 6,099,748	\$ -	\$ 6,099,748	0.00%		3/31/2022	84	\$ 0	\$ 0	\$ 0	79900%	27.09%	\$ -	\$ -	\$ -	
201	AMI - Enterprise Service Bus & API Integration	NY REV - Grid Mod	479L	011	\$ 6,099,748	\$ -	\$ 6,099,748	0.00%		3/31/2022	84	\$ 0	\$ 0	\$ 0	79900%	27.09%	\$ -	\$ -	\$ -	
202	AMI - Enterprise Service Bus & API Integration	NY REV - Grid Mod	479L	011	\$ 6,099,748	\$ -	\$ 6,099,748	0.00%		3/31/2022	84	\$ 0	\$ 0	\$ 0	79900%	27.09%	\$ -	\$ -	\$ -	
203	AMI - Enterprise Service Bus & API Integration	NY REV - Grid Mod	479L	011	\$ 6,099,748	\$ -	\$ 6,099,748	0.00%		3/31/2022	84	\$ 0	\$ 0	\$ 0	79900%	27.09%	\$ -	\$ -	\$ -	
204	AMI - Enterprise Service Bus & API Integration	NY REV - Grid Mod	479L	011	\$ 6,099,748	\$ -	\$ 6,099,748	0.00%		3/31/2022	84	\$ 0	\$ 0	\$ 0	79900%	27.09%	\$ -	\$ -	\$ -	
205	Cyber Security	NY REV - Grid Mod	479M	016	\$ 4,099,823	\$ -	\$ 4,099,823	0.00%		3/31/2022	84	\$ 0	\$ 0	\$ 0	79900%	27.09%	\$ -	\$ -	\$ -	
206	Cyber Security	NY REV - Grid Mod	479M	016	\$ 4,099,823	\$ -														

Niagara Mohawk Power Corporation d/b/a National Grid
Service Company Reimb
Existing Service Company Capital Software Allocated to Operating Companies as Rent Expense
For the Year-End ended March 31, 2019

Line	Investment Name	Description	INVP	Work Order	NMPC	Bill/Pool	FY19 Total/Spd	In-Service Date	Amortization Period	4/1/2018	3/31/2019	3/31/2020	8.07/0%	521/0%	Service Co	NMIOG	NMIOG Rent-Depr
										Allocation	Allocation	Allocation	Allocation	Allocation	Allocation	Allocation	Allocation
1	INVP 1383 Mobile Device for PTO, Me	INVP 1383 Mobile Device for PTO, Me	412	900016425	YES	G175	13,809.10	9/1/2016	84	\$1,047,872	\$0	\$0	8.07/0%	8.07/0%	\$0	\$1,047	\$0
2	INVP 4172 - Control System Enhancement	INVP 4172 - Control System Enhancement	412	900016425	YES	G175	13,809.10	9/1/2016	84	\$1,047,872	\$0	\$0	8.07/0%	8.07/0%	\$0	\$1,047	\$0
3	INVP 4102 - Capture Fusion Data	INVP 4102 - Capture Fusion Data	424	900016216	YES	G207	30,523	7/1/2016	84	\$2,349,720	\$191,510	\$191,510	19.47%	19.47%	\$191,510	\$2,158	\$0
4	INVP 4244 - US Control EBH Gas Trading Day Changes	INVP 4244 - US Control EBH Gas Trading Day Changes	424	900017126	YES	G175	6,717.91	7/1/2016	84	\$463,206	\$49,507	\$49,507	12.44%	12.44%	\$49,507	\$4,042	\$0
5	INVP 3194 - Bill Print Facility Relocation Support	INVP 3194 - Bill Print Facility Relocation Support	3629	900011426	YES	G175	2,333.207	7/1/2016	84	\$174,906	\$18,294	\$18,294	8.07/0%	8.07/0%	\$18,294	\$1,397	\$0
6	INVP2928 Cascade System for Gas	INVP2928 Cascade System for Gas	3629	900011426	YES	G175	2,333.207	7/1/2016	84	\$174,906	\$18,294	\$18,294	8.07/0%	8.07/0%	\$18,294	\$1,397	\$0
7	INVP2928 Cascade System for Gas	INVP2928 Cascade System for Gas	3629	900011426	YES	G175	2,333.207	7/1/2016	84	\$174,906	\$18,294	\$18,294	8.07/0%	8.07/0%	\$18,294	\$1,397	\$0
8	USP RFS Supply Chain	USP RFS Supply Chain	3629	900014241	YES	G012	6,785.88	6/1/2016	120	\$517,666	\$49,507	\$49,507	4.58%	4.58%	\$49,507	\$3,881	\$0
9	USP RFS Supply Chain	USP RFS Supply Chain	3629	900014241	YES	G012	6,785.88	6/1/2016	120	\$517,666	\$49,507	\$49,507	4.58%	4.58%	\$49,507	\$3,881	\$0
10	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
11	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
12	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
13	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
14	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
15	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
16	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
17	INVP 3833 Mobile Device for PTO, Me	INVP 3833 Mobile Device for PTO, Me	3883	900015451	YES	G175	1,743.812	4/1/2016	84	\$124,520	\$9,964	\$9,964	5.73%	5.73%	\$9,964	\$754	\$0
18	INVP 4172 - Control System Enhancement	INVP 4172 - Control System Enhancement	412	900016425	YES	G175	13,809.10	9/1/2016	84	\$1,047,872	\$0	\$0	8.07/0%	8.07/0%	\$0	\$1,047	\$0
19	INVP 4102 - Capture Fusion Data	INVP 4102 - Capture Fusion Data	424	900016216	YES	G207	30,523	7/1/2016	84	\$2,349,720	\$191,510	\$191,510	19.47%	19.47%	\$191,510	\$2,158	\$0
20	INVP 4244 - US Control EBH Gas Trading Day Changes	INVP 4244 - US Control EBH Gas Trading Day Changes	424	900017126	YES	G175	6,717.91	7/1/2016	84	\$463,206	\$49,507	\$49,507	12.44%	12.44%	\$49,507	\$4,042	\$0
21	INVP 3194 - Bill Print Facility Relocation Support	INVP 3194 - Bill Print Facility Relocation Support	3629	900011426	YES	G175	2,333.207	7/1/2016	84	\$174,906	\$18,294	\$18,294	8.07/0%	8.07/0%	\$18,294	\$1,397	\$0
22	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
23	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
24	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
25	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
26	INVP 4244 - US Control EBH Gas Trading Day Changes	INVP 4244 - US Control EBH Gas Trading Day Changes	424	900017126	YES	G175	6,717.91	7/1/2016	84	\$463,206	\$49,507	\$49,507	12.44%	12.44%	\$49,507	\$4,042	\$0
27	INVP 4323 - Mainframe Upgrade	INVP 4323 - Mainframe Upgrade	4323	900011721	YES	G207	2,868.015	11/1/2016	84	\$228,228	\$17,367	\$17,367	8.07/0%	8.07/0%	\$17,367	\$1,367	\$0
28	INVP 1172 - AMGI Upgrades	INVP 1172 - AMGI Upgrades	1172	900011721	YES	G207	2,868.015	11/1/2016	84	\$228,228	\$17,367	\$17,367	8.07/0%	8.07/0%	\$17,367	\$1,367	\$0
29	INVP 4244 - US Control EBH Gas Trading Day Changes	INVP 4244 - US Control EBH Gas Trading Day Changes	424	900017126	YES	G175	6,717.91	7/1/2016	84	\$463,206	\$49,507	\$49,507	12.44%	12.44%	\$49,507	\$4,042	\$0
30	INVP 4246 - Load Device Refresh	INVP 4246 - Load Device Refresh	4074	900016455	NO	G130	2,915.66	10/1/2016	84	\$197,848	\$15,966	\$15,966	0.00%	0.00%	\$15,966	\$1,228	\$0
31	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
32	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
33	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
34	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
35	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
36	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
37	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
38	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
39	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
40	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
41	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
42	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
43	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
44	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
45	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
46	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
47	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
48	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
49	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
50	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
51	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
52	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
53	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
54	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082	\$2,286	\$0
55	USP RFS Payroll	USP RFS Payroll part of USSC-12333	2927	900015285	YES	G012	4,137.761	6/1/2016	120	\$300,444	\$29,082	\$29,082	4.58%	4.58%	\$29,082</		

Niagara Mohawk Power Corporation d/b/a National Grid
 Service Company Reim
 Taxing Service Company Capital Software allocated to Operating Companies as Rent Expense
 For the Year ended March 31, 2019

Line	Investment Name	Description	NYP #	Work Order	NMPC	FY19 Total Spend	In-Service Date	Amortization Period	4/1/2018 Balance	3/31/2019 Balance	Average Balance	Service Co Return	NMPC Allocation	NMPC Rent Return	NMPC Rent - Dgm
232	NYP 3186(SA)C - System Upgrade	NYP 3186 - US Reference Security Architecture (Full) (Cyber Security)	388	900013520	YES	3,105,820	12/1/2016	84	\$2,506,440	\$2,863,800	\$2,685,010	8.0710%	4.58%	\$	20,286
233	NYP 4224 - HANA	NYP 4224 - High Performance Analytics - Appliance (HANA)	USFP	900017603	YES	6,177,905	12/1/2016	120	\$52,851	\$49,091	\$520,956	8.0710%	4.58%	\$	2,022
234	NYP 3152 - Access Violation Mgmt	NYP 3152 - Access Violation Management	USFP	900017639	YES	2,749,134	12/1/2016	120	\$2,382,883	\$2,107,669	\$2,245,126	8.0710%	4.58%	\$	16,237
235	Finance Remediation FY16 Capital	Finance Remediation FY16 Capital	USFP	9000172654	YES	1,838,401	12/1/2016	120	\$1,610,015	\$1,424,774	\$1,517,694	8.0710%	4.58%	\$	4,217
236	NYP 3140C1 - US End User Initiated Secure File Transfer (Full) (Cyber Security)	NYP 3140C1 - US End User Initiated Secure File Transfer (Full) (Cyber Security)	3614	9000175001	YES	68,180	12/1/2016	84	\$55,193	\$45,453	\$50,323	8.0710%	4.58%	\$	449
237	NYP 3101C - Annual HR & Payroll Mgmt (HRSP)	NYP 3101C - Annual HR & Payroll Mgmt (HRSP)	USFP	9000178452	YES	2,805,288	12/1/2016	120	\$2,406,616	\$2,167,624	\$2,287,120	8.0710%	4.58%	\$	17,446
238	NYP 4223 - US SAP BOP/ROE Update	NYP 4223 - US SAP Business Objects Environment (BOP/ROE) Update	USFP	9000176041	YES	723,292	12/1/2016	120	\$626,853	\$554,524	\$590,689	8.0710%	4.58%	\$	3,313
239	NYP 4218 - Blanket Work Order	NYP 4218 - Blanket Work Order	USFP	9000178859	YES	2,335,826	12/1/2016	120	\$2,074,669	\$1,835,366	\$1,954,958	8.0710%	4.58%	\$	16,431
240	NYP 3182 - NYS Pipeline Safety, CMS	NYS Pipeline Safety CMS Regulatory Compliance	3882	9000161831	YES	1,480,189	12/1/2016	84	\$1,198,248	\$986,792	\$1,092,520	8.0710%	19.47%	\$	12,849
241	NYP 4219 - Auxiliary SAP Apps	NYP 4219 - Auxiliary SAP Application Updates	USFP	9000175646	YES	1,520,841	12/1/2016	120	\$1,348,682	\$1,188,596	\$1,261,520	8.0710%	4.58%	\$	2,828
242	NYP 4219 - Auxiliary SAP Apps	NYP 4219 - Auxiliary SAP Application Updates	USFP	9000175646	YES	1,520,841	12/1/2016	120	\$1,348,682	\$1,188,596	\$1,261,520	8.0710%	4.58%	\$	2,828
243	NYP 4219 - Auxiliary SAP Apps	NYP 4219 - Auxiliary SAP Application Updates	USFP	9000175646	YES	1,520,841	12/1/2016	120	\$1,348,682	\$1,188,596	\$1,261,520	8.0710%	4.58%	\$	2,828
244	NYP 4219 - Auxiliary SAP Apps	NYP 4219 - Auxiliary SAP Application Updates	USFP	9000175646	YES	1,520,841	12/1/2016	120	\$1,348,682	\$1,188,596	\$1,261,520	8.0710%	4.58%	\$	2,828
245	NYP 3140 - US Web Authentication	NYP 3140 - US Web Authentication (Full)	4205	9000170290	YES	3,06,907	12/1/2016	84	\$248,881	\$204,031	\$226,556	8.0710%	4.58%	\$	632
246	NYP 3140 - US Web Authentication	NYP 3140 - US Web Authentication (Full)	4205	9000170290	YES	3,06,907	12/1/2016	84	\$248,881	\$204,031	\$226,556	8.0710%	4.58%	\$	632
247	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
248	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
249	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
250	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
251	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
252	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
253	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
254	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
255	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
256	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
257	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
258	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
259	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
260	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
261	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
262	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
263	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
264	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
265	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
266	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
267	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
268	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
269	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
270	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
271	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
272	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
273	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
274	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
275	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
276	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
277	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
278	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
279	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
280	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
281	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
282	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
283	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
284	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
285	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
286	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
287	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
288	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
289	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
290	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
291	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062	8.0710%	4.58%	\$	4,469
292	USFP P3 Payroll	USFP P3 Payroll part of (USFC-1233)	3538	9000138566	YES	16,772	12/1/2016	120	\$14,435	\$11,497	\$16,062				

Niagara Mohawk Power Corporation d/b/a National Grid
Serving Customers' Best
For the Year ended March 31, 2020

Line	Investment Name	Description	NPV #	Wk's Order	NMPC	Bill Book	FY20 Total Budget	B. Service Date	Amortization Period	4/1/20 (9) Balance	3/31/20 (9) Balance	3/31/20 (9) Balance	Average Balance	Service Co.	8/02/19 Allocation	5/21/00 Allocation	NMPC G Item Return	NMPC G Item Dgn
1	INP 1474-C Choice (ES&G Gas)	INP 1474-C Choice (ES&G Gas Management)	3564	9000147406	YES	C225	13,889,170	9/1/2016	84	\$1,924,906	\$6,779,238	\$6,779,238	\$7,711,321	8/02/19	8.65%	\$	40,197	171,644
2	INP 4172-C Choice (Customer System Enhancements)	INP 4172-C Choice (Customer System Enhancements)	4172	9000141706	YES	G207	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	19.47%	\$	1,976	8,442
3	INP 4102-Moblec Capture of Plastics Fusion Data	INP 4102-Moblec Capture of Plastics Fusion Data	4244	9000141026	YES	G210	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	19.47%	\$	1,976	8,442
4	INP 4244-US Control (BIB Gas Trading Day Changes)	INP 4244-US Control (BIB Gas Trading Day Changes)	4244	9000142404	YES	G115	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	19.47%	\$	1,976	8,442
5	INP 4244-US Control (BIB Gas Trading Day Changes)	INP 4244-US Control (BIB Gas Trading Day Changes)	4244	9000142404	YES	G115	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	19.47%	\$	1,976	8,442
6	INP 4244-US Control (BIB Gas Trading Day Changes)	INP 4244-US Control (BIB Gas Trading Day Changes)	4244	9000142404	YES	G115	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	19.47%	\$	1,976	8,442
7	INP 4244-US Control (BIB Gas Trading Day Changes)	INP 4244-US Control (BIB Gas Trading Day Changes)	4244	9000142404	YES	G115	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	19.47%	\$	1,976	8,442
8	INP 4244-US Control (BIB Gas Trading Day Changes)	INP 4244-US Control (BIB Gas Trading Day Changes)	4244	9000142404	YES	G115	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	19.47%	\$	1,976	8,442
9	INP 4244-US Control (BIB Gas Trading Day Changes)	INP 4244-US Control (BIB Gas Trading Day Changes)	4244	9000142404	YES	G115	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	19.47%	\$	1,976	8,442
10	INP 4244-US Control (BIB Gas Trading Day Changes)	INP 4244-US Control (BIB Gas Trading Day Changes)	4244	9000142404	YES	G115	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	19.47%	\$	1,976	8,442
11	INP 4244-US Control (BIB Gas Trading Day Changes)	INP 4244-US Control (BIB Gas Trading Day Changes)	4244	9000142404	YES	G115	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	19.47%	\$	1,976	8,442
12	INP 4244-US Control (BIB Gas Trading Day Changes)	INP 4244-US Control (BIB Gas Trading Day Changes)	4244	9000142404	YES	G115	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	19.47%	\$	1,976	8,442
13	INP 258R-CHS Migration to CNS System	INP 258R-CHS Migration to CNS System	258R	900014258R	YES	G115	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	19.47%	\$	1,976	8,442
14	INP 292T-18 Desktop Refresh	INP 292T-18 Desktop Refresh	292T	900014292T	YES	G225	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	19.47%	\$	1,976	8,442
15	INP 292T-18 Desktop Refresh	INP 292T-18 Desktop Refresh	292T	900014292T	YES	G225	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	19.47%	\$	1,976	8,442
16	INP 388M-Moblec Device for PTO Meter Operations, GMS, and RBR	INP 388M-Moblec Device for PTO Meter Operations, GMS, and RBR	388M	900014388M	YES	G207	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	19.47%	\$	1,976	8,442
17	INP 388M-Moblec Device for PTO Meter Operations, GMS, and RBR	INP 388M-Moblec Device for PTO Meter Operations, GMS, and RBR	388M	900014388M	YES	G207	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	19.47%	\$	1,976	8,442
18	IN 19-136 GAS LEAKS RECHECKS	IN 19-136 GAS LEAKS RECHECKS	3136	9000143136	NO	G206	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	0.00%	\$	-	-
19	IN 19-136 GAS LEAKS RECHECKS	IN 19-136 GAS LEAKS RECHECKS	3136	9000143136	NO	G206	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	0.00%	\$	-	-
20	IN 19-136 GAS LEAKS RECHECKS	IN 19-136 GAS LEAKS RECHECKS	3136	9000143136	NO	G206	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	0.00%	\$	-	-
21	IN 19-136 GAS LEAKS RECHECKS	IN 19-136 GAS LEAKS RECHECKS	3136	9000143136	NO	G206	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	0.00%	\$	-	-
22	IN 19-136 GAS LEAKS RECHECKS	IN 19-136 GAS LEAKS RECHECKS	3136	9000143136	NO	G206	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	0.00%	\$	-	-
23	INP 3375D-Challenge the Limits Lectures	INP 3375D-Challenge the Limits Lectures	3375D	9000143375D	YES	G113	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	20.54%	\$	5,414	24,140
24	INP 3375D-Challenge the Limits Lectures	INP 3375D-Challenge the Limits Lectures	3375D	9000143375D	YES	G113	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	20.54%	\$	5,414	24,140
25	INP 2495H-US CN Frame Relay Replace	INP 2495H-US CN Frame Relay Replace	2495H	9000142495H	YES	G210	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	12.44%	\$	2,202	11,665
26	INP 4142-MA Gas Hour Appointment	INP 4142-MA Gas Hour Appointment	4142	9000144142	YES	G110	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	0.00%	\$	-	-
27	INP 4142-MA Gas Hour Appointment	INP 4142-MA Gas Hour Appointment	4142	9000144142	YES	G110	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	0.00%	\$	-	-
28	INP 4142-MA Gas Hour Appointment	INP 4142-MA Gas Hour Appointment	4142	9000144142	YES	G110	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	0.00%	\$	-	-
29	INP 4142-MA Gas Hour Appointment	INP 4142-MA Gas Hour Appointment	4142	9000144142	YES	G110	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	0.00%	\$	-	-
30	INP 4142-MA Gas Hour Appointment	INP 4142-MA Gas Hour Appointment	4142	9000144142	YES	G110	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	0.00%	\$	-	-
31	INP 4142-MA Gas Hour Appointment	INP 4142-MA Gas Hour Appointment	4142	9000144142	YES	G110	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	0.00%	\$	-	-
32	INP 4142-MA Gas Hour Appointment	INP 4142-MA Gas Hour Appointment	4142	9000144142	YES	G110	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	0.00%	\$	-	-
33	INP 4142-MA Gas Hour Appointment	INP 4142-MA Gas Hour Appointment	4142	9000144142	YES	G110	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	0.00%	\$	-	-
34	INP 4142-MA Gas Hour Appointment	INP 4142-MA Gas Hour Appointment	4142	9000144142	YES	G110	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	0.00%	\$	-	-
35	INP 4142-MA Gas Hour Appointment	INP 4142-MA Gas Hour Appointment	4142	9000144142	YES	G110	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	0.00%	\$	-	-
36	INP 4142-MA Gas Hour Appointment	INP 4142-MA Gas Hour Appointment	4142	9000144142	YES	G110	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	0.00%	\$	-	-
37	DM504MS Replacement	DM504MS Replacement	37	90001437	YES	G113	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	4.85%	\$	4	10
38	INP 3375B-Challenge the Limits XML	INP 3375B-Challenge the Limits XML	3375B	9000143375B	YES	G113	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	20.54%	\$	2,405	12,026
39	INP 3375B-Challenge the Limits XML	INP 3375B-Challenge the Limits XML	3375B	9000143375B	YES	G113	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	20.54%	\$	2,405	12,026
40	INP 290C-Credence SaaS Phase 2 Implementation	INP 290C-Credence SaaS Phase 2 Implementation	290C	900014290C	YES	G110	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	0.00%	\$	-	-
41	INP 290C-Credence SaaS Phase 2 Implementation	INP 290C-Credence SaaS Phase 2 Implementation	290C	900014290C	YES	G110	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	0.00%	\$	-	-
42	INP 290B-Security Access Panels	INP 290B-Security Access Panels	290B	900014290B	YES	G422	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	0.00%	\$	-	-
43	IN 1443-NE RMS Replacement	IN 1443-NE RMS Replacement	1443	9000141443	YES	G203	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	4.85%	\$	4,574	18,765
44	IN 1443-NE RMS Replacement	IN 1443-NE RMS Replacement	1443	9000141443	YES	G203	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	4.85%	\$	4,574	18,765
45	IN 1443-NE RMS Replacement	IN 1443-NE RMS Replacement	1443	9000141443	YES	G203	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	4.85%	\$	4,574	18,765
46	IN 1443-NE RMS Replacement	IN 1443-NE RMS Replacement	1443	9000141443	YES	G203	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	4.85%	\$	4,574	18,765
47	IN 1443-NE RMS Replacement	IN 1443-NE RMS Replacement	1443	9000141443	YES	G203	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	4.85%	\$	4,574	18,765
48	INP 2901-1 Legal Hold Automation	INP 2901-1 Legal Hold Automation	2901	9000142901	YES	G203	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	4.85%	\$	4,574	18,765
49	INP 2901-1 Legal Hold Automation	INP 2901-1 Legal Hold Automation	2901	9000142901	YES	G203	3,819,510	9/1/2016	84	\$1,924,906	\$1,924,906	\$1,924,906	\$1,924,906	8/02/19	4.85%	\$	4,574	18,765
50	INP 2901-1 Legal Hold Automation	INP 2901-1 Legal Hold Automation	2901	9000142901	YES	G203	3,819,510	9/1										

Niagara Mohawk Power Corporation of the National Grid
Service Company Reimb
For the Data Year ended March 31, 2021

Line	Investment Name	Description	INVP #	Work Order	NMPC	BillPool	FY21 Totl Spend	In Service Date	Amortization Period	4/1/2020 Balance	3/31/2021 Balance	7.99000% Service Co Return	NMGO Allocation	NMGO Return	NMGO G-Return	NMGO G-Depr
1	INVP 3564 - Customer Choice ESCO Gas Management	INVP 3564 - Customer Choice ESCO Gas Management	3564	NO	C25	\$	14,409,951	10/1/2016	84	\$7,204,976	\$5,146,411	7.99000%	0.00%	\$	\$	-
2	INVP 4102 - Cross Company Customer System Enhancements	INVP 4102 - Cross Company Customer System Enhancements	4102	YES	C175	\$	13,889,170	9/1/2016	84	\$8,739,238	\$5,787,154	7.99000%	8.69%	\$30,848	\$	171,642
3	INVP 4102 - Mobile Capture of Plastic Fusion Data	INVP 4102 - Mobile Capture of Plastic Fusion Data	4102	YES	G210	\$	3,033,225	9/1/2016	84	\$1,881,499	\$1,266,684	7.99000%	19.47%	\$1,478	\$	8,442
4	INVP 4244 - US Control EHG Gas Trading Day Changes	INVP 4244 - US Control EHG Gas Trading Day Changes	4244	YES	G210	\$	5,071,691	7/1/2016	84	\$2,867,788	\$2,426,664	7.99000%	12.44%	\$1,815	\$	10,977
5	INVP 4244 - US Control EHG Gas Trading Day Changes	INVP 4244 - US Control EHG Gas Trading Day Changes	4244	YES	G210	\$	5,071,691	7/1/2016	84	\$2,867,788	\$2,426,664	7.99000%	12.44%	\$1,815	\$	10,977
6	INVP 4244 - US Control EHG Gas Trading Day Changes	INVP 4244 - US Control EHG Gas Trading Day Changes	4244	YES	G210	\$	5,071,691	7/1/2016	84	\$2,867,788	\$2,426,664	7.99000%	12.44%	\$1,815	\$	10,977
7	INVP 4244 - US Control EHG Gas Trading Day Changes	INVP 4244 - US Control EHG Gas Trading Day Changes	4244	YES	G210	\$	5,071,691	7/1/2016	84	\$2,867,788	\$2,426,664	7.99000%	12.44%	\$1,815	\$	10,977
8	INVP 4244 - US Control EHG Gas Trading Day Changes	INVP 4244 - US Control EHG Gas Trading Day Changes	4244	YES	G210	\$	5,071,691	7/1/2016	84	\$2,867,788	\$2,426,664	7.99000%	12.44%	\$1,815	\$	10,977
9	INVP 4244 - US Control EHG Gas Trading Day Changes	INVP 4244 - US Control EHG Gas Trading Day Changes	4244	YES	G210	\$	5,071,691	7/1/2016	84	\$2,867,788	\$2,426,664	7.99000%	12.44%	\$1,815	\$	10,977
10	INVP 4244 - US Control EHG Gas Trading Day Changes	INVP 4244 - US Control EHG Gas Trading Day Changes	4244	YES	G210	\$	5,071,691	7/1/2016	84	\$2,867,788	\$2,426,664	7.99000%	12.44%	\$1,815	\$	10,977
11	INVP 4244 - US Control EHG Gas Trading Day Changes	INVP 4244 - US Control EHG Gas Trading Day Changes	4244	YES	G210	\$	5,071,691	7/1/2016	84	\$2,867,788	\$2,426,664	7.99000%	12.44%	\$1,815	\$	10,977
12	INVP 4244 - US Control EHG Gas Trading Day Changes	INVP 4244 - US Control EHG Gas Trading Day Changes	4244	YES	G210	\$	5,071,691	7/1/2016	84	\$2,867,788	\$2,426,664	7.99000%	12.44%	\$1,815	\$	10,977
13	INVP 4244 - US Control EHG Gas Trading Day Changes	INVP 4244 - US Control EHG Gas Trading Day Changes	4244	YES	G210	\$	5,071,691	7/1/2016	84	\$2,867,788	\$2,426,664	7.99000%	12.44%	\$1,815	\$	10,977
14	INVP 4244 - US Control EHG Gas Trading Day Changes	INVP 4244 - US Control EHG Gas Trading Day Changes	4244	YES	G210	\$	5,071,691	7/1/2016	84	\$2,867,788	\$2,426,664	7.99000%	12.44%	\$1,815	\$	10,977
15	INVP 4244 - US Control EHG Gas Trading Day Changes	INVP 4244 - US Control EHG Gas Trading Day Changes	4244	YES	G210	\$	5,071,691	7/1/2016	84	\$2,867,788	\$2,426,664	7.99000%	12.44%	\$1,815	\$	10,977
16	INVP 4244 - US Control EHG Gas Trading Day Changes	INVP 4244 - US Control EHG Gas Trading Day Changes	4244	YES	G210	\$	5,071,691	7/1/2016	84	\$2,867,788	\$2,426,664	7.99000%	12.44%	\$1,815	\$	10,977
17	INVP 3883 Mobile Device for PTO, Meter Operations, GMS, and I&R	INVP 3883 Mobile Device for PTO, Meter Operations, GMS, and I&R	3883	NO	G175	\$	17,433,812	4/1/2016	84	\$7,473,348	\$4,982,232	7.99000%	5.73%	\$2,153	\$	14,274
18	IN 3136 - GAS LEAKS CHECKS	Capitalized Software - INVP1316 NE Gas Leaks Checks	4133	NO	G310	\$	1,126,238	3/1/2016	84	\$582,599	\$363,137	7.99000%	0.00%	\$	\$	-
19	INVP 4133 - LI Stabilization	INVP 4133 - LI Stabilization	4133	NO	G380	\$	4,677,092	3/1/2016	84	\$2,821,122	\$1,835,344	7.99000%	0.00%	\$	\$	-
20	INVP492 Comprehensive Integration Services Foundation	Capitalized Software-INVP 5008 US Web Initiatives 2	3492	NO	G175	\$	2,270,472	2/1/2016	84	\$1,040,429	\$673,219	7.99000%	4.58%	\$2,374	\$	16,818
21	INVP508 US Web Initiatives 2	Capitalized Software-INVP 5008 US Web Initiatives 2	3492	NO	G175	\$	2,270,472	2/1/2016	84	\$1,040,429	\$673,219	7.99000%	4.58%	\$2,374	\$	16,818
22	INVP508 US Web Initiatives 2	Capitalized Software-INVP 5008 US Web Initiatives 2	3492	NO	G175	\$	2,270,472	2/1/2016	84	\$1,040,429	\$673,219	7.99000%	4.58%	\$2,374	\$	16,818
23	INVP508 US Web Initiatives 2	Capitalized Software-INVP 5008 US Web Initiatives 2	3492	NO	G175	\$	2,270,472	2/1/2016	84	\$1,040,429	\$673,219	7.99000%	4.58%	\$2,374	\$	16,818
24	INVP508 US Web Initiatives 2	Capitalized Software-INVP 5008 US Web Initiatives 2	3492	NO	G175	\$	2,270,472	2/1/2016	84	\$1,040,429	\$673,219	7.99000%	4.58%	\$2,374	\$	16,818
25	INVP 4074 - MA Gas 4 Hour Appoint	INVP 4074 - MA Gas 4 Hour Appointment	4074	NO	C310	\$	2,915,664	2/1/2016	84	\$1,454,544	\$772,892	7.99000%	0.00%	\$	\$	-
26	INVP 4074 - MA Gas 4 Hour Appoint	INVP 4074 - MA Gas 4 Hour Appointment	4074	NO	C310	\$	2,915,664	2/1/2016	84	\$1,454,544	\$772,892	7.99000%	0.00%	\$	\$	-
27	INVP 4325 - Mainframe Upgrade	INVP 4325 - Mainframe Upgrade	4325	NO	G620	\$	3,246,815	11/1/2016	84	\$1,742,500	\$1,137,137	7.99000%	0.00%	\$	\$	-
28	INVP 1172 - AMAG Upgrades	Access Control and Alarm Monitoring System	3538	NO	G620	\$	3,246,815	11/1/2016	84	\$1,742,500	\$1,137,137	7.99000%	0.00%	\$	\$	-
29	INVP 3538 - VSTIG Bandwidth Increase	INVP 3538 - VSTIG Bandwidth Increase	3538	NO	G620	\$	3,246,815	11/1/2016	84	\$1,742,500	\$1,137,137	7.99000%	0.00%	\$	\$	-
30	INVP 4068 - End User Device Refresh Win 7/8 Assessment (full)	INVP 4068 - End User Device Refresh Win 7/8 Assessment (full)	4068	NO	G620	\$	3,246,815	11/1/2016	84	\$1,742,500	\$1,137,137	7.99000%	0.00%	\$	\$	-
31	INVP 4068 - End User Device Refresh Win 7/8 Assessment (full)	INVP 4068 - End User Device Refresh Win 7/8 Assessment (full)	4068	NO	G620	\$	3,246,815	11/1/2016	84	\$1,742,500	\$1,137,137	7.99000%	0.00%	\$	\$	-
32	EHRI - Finance	EHRI - Finance	2858	NO	G115	\$	4,069,459	2/1/2016	84	\$1,658,588	\$1,072,244	7.99000%	20.54%	\$1,698	\$	12,026
33	EHRI - Finance	EHRI - Finance	2858	NO	G115	\$	4,069,459	2/1/2016	84	\$1,658,588	\$1,072,244	7.99000%	20.54%	\$1,698	\$	12,026
34	EHRI - Finance	EHRI - Finance	2858	NO	G115	\$	4,069,459	2/1/2016	84	\$1,658,588	\$1,072,244	7.99000%	20.54%	\$1,698	\$	12,026
35	EHRI - Finance	EHRI - Finance	2858	NO	G115	\$	4,069,459	2/1/2016	84	\$1,658,588	\$1,072,244	7.99000%	20.54%	\$1,698	\$	12,026
36	EHRI - Finance	EHRI - Finance	2858	NO	G115	\$	4,069,459	2/1/2016	84	\$1,658,588	\$1,072,244	7.99000%	20.54%	\$1,698	\$	12,026
37	DMS/OMS Replacement	INVP 3578 - Challenge the Limits XML	3578	NO	G175	\$	3,616,276	12/1/2015	84	\$2,472,722	\$1,646,522	7.99000%	9.55%	\$1,106	\$	8,408
38	INVP 3578 - Challenge the Limits XML	INVP 3578 - Challenge the Limits XML	3578	NO	G175	\$	3,616,276	12/1/2015	84	\$2,472,722	\$1,646,522	7.99000%	9.55%	\$1,106	\$	8,408
39	INVP 3578 - Challenge the Limits XML	INVP 3578 - Challenge the Limits XML	3578	NO	G175	\$	3,616,276	12/1/2015	84	\$2,472,722	\$1,646,522	7.99000%	9.55%	\$1,106	\$	8,408
40	INVP 3578 - Challenge the Limits XML	INVP 3578 - Challenge the Limits XML	3578	NO	G175	\$	3,616,276	12/1/2015	84	\$2,472,722	\$1,646,522	7.99000%	9.55%	\$1,106	\$	8,408
41	INVP 3578 - Challenge the Limits XML	INVP 3578 - Challenge the Limits XML	3578	NO	G175	\$	3,616,276	12/1/2015	84	\$2,472,722	\$1,646,522	7.99000%	9.55%	\$1,106	\$	8,408
42	INVP 3578 - Challenge the Limits XML	INVP 3578 - Challenge the Limits XML	3578	NO	G175	\$	3,616,276	12/1/2015	84	\$2,472,722	\$1,646,522	7.99000%	9.55%	\$1,106	\$	8,408
43	IN 1643 NE DMS Replacement	IN 1643 NE DMS Replacement	1643	NO	L273	\$	29,309,302	7/1/2015	84	\$9,420,911	\$5,233,840	7.99000%	0.00%	\$	\$	-
44	INVP 2970 Security Info & Event Mgmt	Capitalized Software-INVP 2970 Security Info & Event Mgmt	2970	NO	G620	\$	1,752,691	4/1/2015	84	\$500,743	\$250,372	7.99000%	4.58%	\$1,064	\$	11,467
45	IN 3124B GLOBAL IIR STRATEGY	IN 3124B GLOBAL IIR STRATEGY	3013	NO	G186	\$	5,623,254	3/1/2015	84	\$1,760,634	\$1,017,177	7.99000%	0.00%	\$	\$	-
46	INVP 1615 Success Enterprise Report	Capitalized Software-INVP 1615 Success Enterprise Report	1615	NO	G620	\$	5,623,254	3/1/2015	84	\$1,760,634	\$1,017,177	7.99000%	0.00%	\$	\$	-
47	INVP 1615 Success Enterprise Report	Capitalized Software-INVP 1615 Success Enterprise Report	1615	NO	G620	\$	5,623,254	3/1/2015	84	\$1,760,634	\$1,017,177	7.99000%	0.00%	\$	\$	-
48	INVP 1581 Meter Reading System Con	Capitalized Software-INVP 1581 Meter Reading System Con	1581	NO	G620	\$	6,447,371	3/1/2015	84	\$1,772,230	\$84,726	7.99000%	4.58%	\$372	\$	4,235
49	INVP 1581 Meter Reading System Con	Capitalized Software-INVP 1581 Meter Reading System Con	1581	NO	G620	\$	6,447,371	3/1/2015	84	\$1,772,230	\$84,726	7.99000%	4.58%	\$372	\$	4,235
50	INVP 1581 Meter Reading System Con	Capitalized Software-INVP 1581 Meter Reading System Con	1581	NO	G620	\$	6,447,371	3/1/2015	84	\$1,772,230	\$84,726	7.99000%	4.58%	\$372	\$	4,235
51	INVP 3278 Rubber Goods Testing	INVP 3278 Rubber Goods Testing	3278	NO	G175	\$	1,744,021	3/1/2015	84	\$321,590	\$183,804	7.99000%	5.73%	\$845	\$	9,614
52	INVP 0823 DATA LOSS PREVENTION	Capitalized Software-INVP 0823 Data Loss Prevention	823	NO	G186	\$	3,963,375	3/1/2015	84	\$1,088,331	\$51,996	7.99000%	0.00%	\$	\$	-
53	INVP 0823 DATA LOSS PREVENTION	Capitalized Software-INVP 0823 Data Loss Prevention	823	NO	G186	\$	3,963,375	3/1/2015	84	\$1,088,331	\$51,996	7.99000%	0.00%	\$	\$	-
54	INVP 0823 DATA LOSS PREVENTION	Capitalized Software-INVP 0823 Data Loss Prevention	823	NO	G186	\$	3,963,375	3/1/2015	84	\$1,088,331	\$51,996	7.99000%	0.00%	\$	\$	-
55	INVP 0823 DATA LOSS PREVENTION	Capitalized Software-INVP 0823 Data Loss Prevention	823	NO	G186	\$	3,963,375	3/1/2015	84	\$1,088,331	\$51,996	7.99000%	0.00%	\$	\$	-
56	INVP 0823 DATA LOSS PREVENTION	Capitalized Software-INVP 0823 Data Loss Prevention	823	NO	G186	\$	3,963,375	3/1/2015	84	\$1,088,331	\$51,996	7.99000%	0.00%	\$	\$	-
57	INVP 0823 DATA LOSS PREVENTION	Capitalized Software-INVP 0823 Data Loss Prevention	823	NO	G186	\$	3,963,375	3/1/2015	84	\$1,088,331	\$51,996	7.99000%	0.00%	\$	\$	-
58	INVP 2948 Inventory & Access Mgt Pr	INVP 2948 Inventory & Access Mgt Pr	2948	NO	G620	\$	2,244,374	3/1/2015	84	\$66,912	\$32,001	7.99000%	0.00%	\$	\$	-
59	INVP 2948 Inventory & Access Mgt Pr	INVP 2948 Inventory & Access Mgt Pr	2948	NO	G620	\$	2,244,374	3/1/2015	84	\$66,912	\$32,001	7.99000%	0.00%	\$	\$	-
60	INVP 2948 Inventory & Access Mgt Pr	INVP 2948 Inventory & Access Mgt Pr	2948	NO	G620	\$	2,244,374	3/1/2015	84	\$66,912	\$32,001	7.99000%	0.00%	\$	\$	-
61	INVP 2948 Inventory															

Niagara Mohawk Power Corporation of the National Grid
Service Company Reimb
For the Data Year ended March 31, 2021

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY21 Total Spend	In Service Date	Amortization Period	4/1/2020 Balance	3/31/2021 Balance	3/31/2021 Balance	Average Balance	7.9900% Return	NMCOG Allocation	NMCOG Return	NMCOG Return	Dep'n
76	NVP 2097 Earned Value Mgmt Rptg - Capitalized Software	NVP 2097 Earned Value Mgmt Rptg - Capitalized Software	2997	9000120197	YES	G186	\$603,575	7/1/2014	84	\$107,781	\$2,556	\$107,781	\$64,669	7.9900%	0.00%	\$ -	\$ -	\$ -
77	NVP3374 SmallWorld GIS FY13 R 1-2 - Capitalized Software	NVP3374 SmallWorld GIS FY13 R 1-2 - Capitalized Software	3174	9000120127	YES	G220	\$399,285	7/1/2014	84	\$53,319	\$1,064	\$53,319	\$4,209	7.9900%	0.00%	\$ -	\$ -	\$ -
78	NVA NE & NY EMS NERC-CIP Auth MW	NVA NE & NY EMS NERC-CIP Authentication - MW Capitalized Software	N/A	9000097856	YES	G220	\$48,286	3/1/2014	84	\$8,418	\$0	\$8,418	\$16,900	7.9900%	7.38%	\$ 88	\$ 88	\$ 2,495
79	NVP 0487	Capitalized Software	887	9000104061	YES	G077	\$28,131	3/1/2014	84	\$3,303	\$0	\$3,303	\$3,303	7.9900%	0.00%	\$ -	\$ -	\$ -
80	NVP 1242 - NCO081	Capitalized Software	1128	9000104061	YES	G077	\$3,519	3/1/2014	84	\$419	\$0	\$419	\$419	7.9900%	0.00%	\$ -	\$ -	\$ -
81	NVP 1540 - NCO081	Capitalized Software	1128	9000104061	YES	G077	\$4,844	3/1/2014	84	\$579	\$0	\$579	\$579	7.9900%	0.00%	\$ -	\$ -	\$ -
82	NVP NVA NE EMS ISS	Capitalized Software	1182B	9000104068	NO	G272	\$25,055	3/1/2014	84	\$3,400	\$0	\$3,400	\$16,700	7.9900%	0.00%	\$ -	\$ -	\$ -
83	INUBREGAS TRANS SYS PHASE 2 (GTIS)	Capitalized Software- (INUBREGAS TRANS SYS PHASE 2)	1182B	9000124375	NO	G237	\$1,675,640	3/1/2014	84	\$219,429	\$0	\$1,675,640	\$1,097,151	7.9900%	0.00%	\$ -	\$ -	\$ -
84	GAS Transformation	GAS Transformation	N/A	9000096386	YES	G012	\$114,360	3/1/2014	84	\$14,976	\$0	\$114,360	\$7,488	7.9900%	4.58%	\$ 24	\$ 24	\$ 686
85	NVP 2981 US Security Awareness	NVP 2981 US Security Awareness Cap Software	2981	9000011533	YES	G012	\$250,931	3/1/2014	84	\$32,790	\$0	\$16,395	\$16,395	7.9900%	4.58%	\$ 53	\$ 53	\$ 1,502
86	NVP 3393 Enhancement of Reservoir Woods Capitalized Software	NVP 3393 Enhancement of Reservoir Woods Capitalized Software	3393	9000104057	YES	G065	\$101,136	2/1/2014	84	\$12,620	\$0	\$6,310	\$6,310	7.9900%	2.59%	\$ 11	\$ 11	\$ 307
87	Inspect System Reservoir/Haul/Shell	Capitalized Software	N/A	9000104057	YES	G065	\$26,246	2/1/2014	84	\$3,245	\$0	\$16,224	\$10,022	7.9900%	4.58%	\$ 189	\$ 189	\$ 5,284
88	NVP 3294 - PowerPlant - Leased Asset	Capitalized Software	3294	9000101978	YES	G012	\$115,382	3/1/2014	84	\$14,662	\$0	\$115,382	\$7,555	7.9900%	4.58%	\$ 189	\$ 189	\$ 5,284
89	CM-NMWS-Storage Older Proc	Capitalized Software	NM202	9000104149	YES	G188	\$7,003	2/1/2014	84	\$859	\$0	\$7,003	\$664	7.9900%	0.00%	\$ -	\$ -	\$ -
90	NVP 103 Business Capture Software	Capitalized Software	3103	9000106874	YES	G012	\$316,645	2/1/2014	84	\$36,493	\$0	\$180,747	\$180,747	7.9900%	4.58%	\$ 593	\$ 593	\$ 16,556
91	WCL513 - Auto Gas Work Key	Capitalized Software	N/A	9000104150	YES	G188	\$20,566	2/1/2014	84	\$2,448	\$0	\$11,224	\$11,224	7.9900%	0.00%	\$ -	\$ -	\$ -
92	NVP 3195 Storms Archive Tool Implementation	NVP 3195 Storms Archive Tool Implementation	3195	9000113828	YES	G160	\$627,573	12/1/2013	84	\$59,769	\$0	\$29,884	\$29,884	7.9900%	7.15%	\$ 160	\$ 160	\$ 4,273
93	NVP 2630 Intelligent Mail Barcode	Capitalized Software	2630	9000107276	YES	G012	\$1,023,605	11/1/2013	84	\$85,300	\$0	\$42,650	\$42,650	7.9900%	4.58%	\$ 151	\$ 151	\$ 3,907
94	NVP 1642C - Tallman & Partners B	Capitalized Software	332A	9000116954	YES	G179	\$93,115	11/1/2013	84	\$79,426	\$0	\$39,713	\$39,713	7.9900%	9.55%	\$ 294	\$ 294	\$ 7,885
95	NVP 1642C - NIMO ELT01 - Deposits	Capitalized Software	144CC	9000116900	YES	G179	\$68,020	11/1/2013	84	\$58,032	\$0	\$29,251	\$29,251	7.9900%	9.55%	\$ 294	\$ 294	\$ 7,885
96	NVP 1642C - NIMO ELT01 - Deposits	Capitalized Software	144CC	9000116900	YES	G179	\$68,020	11/1/2013	84	\$58,032	\$0	\$29,251	\$29,251	7.9900%	9.55%	\$ 294	\$ 294	\$ 7,885
97	NVP 1642C - NIMO ELT01 - Deposits	Capitalized Software	144CC	9000116900	YES	G179	\$68,020	11/1/2013	84	\$58,032	\$0	\$29,251	\$29,251	7.9900%	9.55%	\$ 294	\$ 294	\$ 7,885
98	NVP 1564A US Retail Web Customer & Markets	NVP 1564A US Retail Web Customer & Markets	1564	9000107743	YES	G012	\$1,629,833	11/1/2013	84	\$169,659	\$0	\$85,829	\$85,829	7.9900%	4.58%	\$ 163	\$ 163	\$ 4,388
99	NVP 2732 US Storage Swakch Replace	NVP 2732 US Storage Swakch Replace	1564A	9000100658	YES	G179	\$6,626,314	11/1/2013	84	\$660,553	\$0	\$280,276	\$280,276	7.9900%	9.55%	\$ 2,074	\$ 2,074	\$ 53,333
100	EDOT Customer Management-CA-NMWS	Capitalized Software	2732	9000104631	YES	G012	\$588,553	11/1/2013	84	\$49,029	\$0	\$24,515	\$24,515	7.9900%	4.58%	\$ 87	\$ 87	\$ 2,246
101	EDOT Customer Management-CA-NMWS	Capitalized Software	NM303	9000093776	YES	G188	\$208,331	11/1/2013	84	\$17,353	\$0	\$8,676	\$8,676	7.9900%	0.00%	\$ -	\$ -	\$ -
102	NVP 1389 US Computing Admin Works	Capitalized Software	1389	9000104257	YES	G012	\$267,394	11/1/2013	84	\$22,299	\$0	\$11,150	\$11,150	7.9900%	4.58%	\$ 40	\$ 40	\$ 1,021
103	NVP 2832 - ACS Alliance Connect	Capitalized Software	2832	9000101287	YES	G186	\$324,412	11/1/2013	84	\$27,034	\$0	\$13,517	\$13,517	7.9900%	0.00%	\$ -	\$ -	\$ -
104	IN-2172IDS Reporting & Analysis	Capitalized Software	2172	9000106487	YES	G188	\$70,520	11/1/2013	84	\$59,210	\$0	\$29,605	\$29,605	7.9900%	0.00%	\$ -	\$ -	\$ -
105	Global Web Implementation	Capitalized Software	N/A	9000095250	YES	G012	\$4,231	11/1/2013	84	\$3,582	\$0	\$17,391	\$17,391	7.9900%	4.58%	\$ 63	\$ 63	\$ 1,631
106	Global Web Implementation	Capitalized Software	3103	9000104150	YES	G012	\$4,231	11/1/2013	84	\$3,582	\$0	\$17,391	\$17,391	7.9900%	4.58%	\$ 63	\$ 63	\$ 1,631
107	NVP 3210 - Intergas Conversion	Capitalized Software	3210	9000116424	NO	G259	\$1,127,228	11/1/2013	84	\$114,602	\$0	\$55,301	\$55,301	7.9900%	0.00%	\$ -	\$ -	\$ -
108	NVP 3134-Case Change Tracking	Capitalized Software	2135	9000110085	YES	G012	\$621,113	11/1/2013	84	\$51,759	\$0	\$25,880	\$25,880	7.9900%	0.00%	\$ -	\$ -	\$ -
109	IN-2522 VTL REPLACEMENT US	Capitalized Software	2522	9000104630	YES	HT71	\$648,104	11/1/2013	84	\$54,016	\$0	\$27,609	\$27,609	7.9900%	6.16%	\$ 129	\$ 129	\$ 3,327
110	IN2606 CRM SAAS IMPL DMEN	Software-NVP 2960B CRM Salesforce SaaS	2960B	9000119937	YES	G175	\$1,117,121	10/1/2013	84	\$79,794	\$0	\$39,897	\$39,897	7.9900%	5.73%	\$ 185	\$ 185	\$ 4,572
111	NVP 3310 US HR Applicant Track Sys	Capitalized Software	3310	9000118115	YES	G012	\$326,615	10/1/2013	84	\$23,330	\$0	\$11,665	\$11,665	7.9900%	4.58%	\$ 43	\$ 43	\$ 1,068
112	NVP - Business Readiness-DD	Capitalized Software	NONE	9000104654	YES	G012	\$2,455,640	4/1/2013	120	\$0	\$0	\$0	\$0	7.9900%	4.58%	\$ 427	\$ 427	\$ 11,106
113	BUSINESS CHANGE & COMM-DESIGN CAPEX	Capitalized Software	113	9000097843	YES	G012	\$524,633	4/1/2013	120	\$0	\$0	\$0	\$0	7.9900%	4.58%	\$ 427	\$ 427	\$ 11,106
114	BUSINESS CHANGE & COMM-DESIGN CAPEX	Capitalized Software	113	9000097843	YES	G012	\$524,633	4/1/2013	120	\$0	\$0	\$0	\$0	7.9900%	4.58%	\$ 427	\$ 427	\$ 11,106
115	BUSINESS CHANGE & COMM-DESIGN CAPEX	Capitalized Software	113	9000097843	YES	G012	\$524,633	4/1/2013	120	\$0	\$0	\$0	\$0	7.9900%	4.58%	\$ 427	\$ 427	\$ 11,106
116	BUSINESS CHANGE & COMM-DESIGN CAPEX	Capitalized Software	113	9000097843	YES	G012	\$524,633	4/1/2013	120	\$0	\$0	\$0	\$0	7.9900%	4.58%	\$ 427	\$ 427	\$ 11,106
117	NVP - Business Readiness-DD	Capitalized Software	NONE	9000104654	YES	G012	\$2,455,640	4/1/2013	120	\$0	\$0	\$0	\$0	7.9900%	4.58%	\$ 427	\$ 427	\$ 11,106
118	USFP-PMO - RI	Capitalized Software-USFP-PMO - RI	118	9000097843	YES	G012	\$2,455,640	4/1/2013	120	\$0	\$0	\$0	\$0	7.9900%	4.58%	\$ 427	\$ 427	\$ 11,106
119	USFP-Process & Design - RI	Capitalized Software-USFP-Process & Design - RI	119	9000097843	YES	G012	\$2,455,640	4/1/2013	120	\$0	\$0	\$0	\$0	7.9900%	4.58%	\$ 427	\$ 427	\$ 11,106
120	USFP - Hardware & Software-DD	Capitalized Software-USFP-Hardware & Software-DD	120	9000097843	YES	G012	\$2,455,640	4/1/2013	120	\$0	\$0	\$0	\$0	7.9900%	4.58%	\$ 427	\$ 427	\$ 11,106
121	USFP - Solution Architecture-DD	Capitalized Software-USFP - Solution Architecture-DD	121	9000097843	YES	G012	\$2,455,640	4/1/2013	120	\$0	\$0	\$0	\$0	7.9900%	4.58%	\$ 427	\$ 427	\$ 11,106
122	PMO-DD	Capitalized Software	122	9000097843	YES	G012	\$2,455,640	4/1/2013	120	\$0	\$0	\$0	\$0	7.9900%	4.58%	\$ 427	\$ 427	\$ 11,106
123	PMO-DD	Capitalized Software	122	9000097843	YES	G012	\$2,455,640	4/1/2013	120	\$0	\$0	\$0	\$0	7.9900%	4.58%	\$ 427	\$ 427	\$ 11,106
124	HR STREAM - DESIGN CAPEX	Capitalized Software	124	9000097843	YES	G012	\$2,455,640	4/1/2013	120	\$0	\$0	\$0	\$0	7.9900%	4.58%	\$ 427	\$ 427	\$ 11,106
125	USFP - Tech Delivery-DD	Capitalized Software-USFP Tech Delivery DD	125	9000097844	YES	G012	\$2,455,640	4/1/2013	120	\$0	\$0	\$0	\$0	7.9900%	4.58%	\$ 427	\$ 427	\$ 11,106
126	USFP - Testing-DD	Capitalized Software-USFP Test Net Strat	126	9000104651	YES	G012	\$1,708,792	11/1/2012	120	\$44,438	\$270,559	\$1,708,792	\$1,708,792	7.9900%	4.58%	\$ 1,010	\$ 1,010	\$ 26,526
127	USFP Test Net Strat	Capitalized Software-USFP Test Net Strat	127	9000104651	YES	G012	\$1,708,792	11/1/2012	120	\$44,438	\$270,559	\$1,708,792	\$1,708,792	7.9900%	4.58%	\$ 1,010	\$ 1,010	\$ 26,526
128	USFP-Canver - RI	Capitalized Software-USFP-Canver - RI	128	9000117362	YES	G012	\$1,305,452	11/1/2012	120	\$33,242	\$206,677	\$1,305,452	\$1,305,452	7.9900%	4.58%	\$ 772	\$ 772	\$ 19,979
129	USFP-Reporting & Info - RI	Capitalized Software-USFP-Reporting & Info - RI	129	9000117362	YES	G012	\$1,305,452	11/1/2012	120	\$33,242	\$206,677	\$1,305,452	\$1,305,452	7.9900%	4.58%	\$ 772	\$ 772	\$ 19,979
130	USFP-Reporting & Info - RI	Capitalized Software-USFP-Reporting & Info - RI	129	9000117362	YES	G012	\$1,305,452	11/1/2012	120	\$33,242	\$206,677	\$1,305,452	\$1,305,452	7.9900%	4.58%	\$ 772	\$ 772	\$ 19,979
131	USFP-Reporting & Info - RI	Capitalized Software-USFP-Reporting & Info - RI	129	9000117362	YES	G012	\$1,305,452	11/1/2012	120	\$33,242	\$206,677	\$1,305,452	\$1,305,452	7.9900%	4.58%	\$ 772	\$ 772	

Niagara Mohawk Power Corporation of the National Grid
Service Company Name
For the Data Year ended March 31, 2021

Line	FINANCE NAME	Description	INVP #	Work Order	NMPC	Bill Pool	FY21 Total Spend	In Service Date	Amortization Period	4/1/2020 Balance	3/31/2021 Balance	3/31/2021 Balance	Average Balance	7.99100% Return	NMGO Allocation	NMGO Return	NMGO G-Remain	NMGO G-Depr
151	FINANCE STRAM - DESIGN CAPEX	FINANCE STRAM - DESIGN CAPEX - Capitalized Software	USFP	9000097838	YES	G012	\$1,441,354	11/1/2012	120	\$172,350	\$228,214	\$372,350	\$300,282	7.99100%	4.58%	\$	\$82	6,491
152	USFP - Conmh & Robs-DD - Capitalized Software	USFP - Conmh & Robs-DD - Capitalized Software	USFP	9000010462	YES	G012	\$2,984,151	11/1/2012	120	\$695,989	\$426,574	\$695,989	\$426,574	7.99100%	4.58%	\$	\$1,593	12,339
153	USFP - Build & Unit Test-DD - Capitalized Software	USFP - Build & Unit Test-DD - Capitalized Software	USFP	9000010467	YES	G012	\$2,093,413	11/1/2012	120	\$719,048	\$440,707	\$719,048	\$440,707	7.99100%	4.58%	\$	\$1,646	12,788
154	USFP - Conmh & Robs - RI	Capitalized Software-USFP-Conmh & Robs - RI	USFP	90000107546	YES	G012	\$7,773,544	11/1/2012	120	\$2,008,165	\$1,230,811	\$2,008,165	\$1,230,811	7.99100%	4.58%	\$	\$4,596	35,603
155	USFP - Test Procedure	Capitalized Software	USFP	90000111599	YES	G012	\$1,100,000	11/1/2012	120	\$359,859	\$219,525	\$359,859	\$219,525	7.99100%	4.58%	\$	\$184	1,428
156	USFP - Conmh-DD - Capitalized Software	USFP - Conmh-DD - Capitalized Software	USFP	9000010463	YES	G012	\$1,118,108	11/1/2012	120	\$382,511	\$188,700	\$382,511	\$188,700	7.99100%	4.58%	\$	\$70	\$41
157	USFP - CAPEX-ADD	DESIGN AUTO - DESIGN CAPEX - Capitalized Software	USFP	9000097842	YES	G012	\$5,935,438	11/1/2012	120	\$82,257	\$66,361	\$82,257	\$66,361	7.99100%	4.58%	\$	\$188	1,489
158	USFP - AUTO TEAM - DESIGN CAPEX	PAO TEAM - DESIGN CAPEX - Capitalized Software	USFP	9000097837	YES	G012	\$2,995,659	11/1/2012	120	\$1,548,796	\$949,262	\$1,548,796	\$949,262	7.99100%	4.58%	\$	\$3,545	27,489
159	TXFER00099	EPC Enhancement (work order #R8K0802108)	USFP	9000097839	YES	C310	\$0	10/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	0.00%	\$	\$	\$
160	TXFER00099	Cap Software-N 2310 ETRM Repl Nucleus-Gas Benef	USFP	90000106247	YES	G210	\$0	10/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	0.00%	\$	\$	\$
161	IN 2310 ETRM Repl Nucleus-Gas Benef	Cap Software-N 2310 ETRM Repl Nucleus-Gas Benef	USFP	90000106247	YES	G210	\$0	10/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	0.00%	\$	\$	\$
162	IN 2310 ETRM Repl Nucleus-Gas Benef	Cap Software-N 2310 ETRM Repl Nucleus-Gas Benef	USFP	90000106247	YES	G210	\$0	10/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	0.00%	\$	\$	\$
163	TXFER00099	IN 2925 GAS SINGLE HILL (Work order #R8K0802015)	USFP	90000106099	NO	C310	\$0	10/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	0.00%	\$	\$	\$
164	TXFER00099	IN 2925 GAS SINGLE HILL (Work order #R8K0802015)	USFP	90000106099	NO	C310	\$0	10/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	0.00%	\$	\$	\$
165	IN 1482-ACIS Fargate Practic Model	Cap Software-N 1482-ACIS Fargate Practic Model	USFP	90000104110	YES	G220	\$0	9/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	0.00%	\$	\$	\$
166	IN 1482-ACIS Fargate Practic Model	Cap Software-N 1482-ACIS Fargate Practic Model	USFP	90000104110	YES	G220	\$0	9/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	0.00%	\$	\$	\$
167	IN 1656-CUST Systems Agent desktop	KPI Reporting Tool	USFP	90000103772	YES	G012	\$1,184,110	8/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	0.00%	\$	\$	\$
168	TXFER00099 (GTS)	IN 1656-CUST Systems Agent desktop	USFP	90000104112	YES	G012	\$1,184,110	8/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	0.00%	\$	\$	\$
169	TXFER00099 (GTS)	IN 1671 GAS TRANSPORT SYS (Work order #R8K0802303)	USFP	90000104114	YES	G012	\$3,866,615	6/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
170	IN 1482-ACIS Fargate Practic Model	Cap Software-N 1482-ACIS Fargate Practic Model	USFP	90000104110	YES	G220	\$0	9/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	0.00%	\$	\$	\$
171	INVP 0955 - Bill Pool 231	Shawhook GIS PowerOn 4.0 upgrade	USFP	90000104088	YES	G198	\$4,345,532	6/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	0.00%	\$	\$	\$
172	TXFER00099 (GTS)	Shawhook GIS PowerOn 4.0 upgrade	USFP	90000104088	YES	G198	\$4,345,532	6/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	0.00%	\$	\$	\$
173	TXFER00099 (GTS)	IN 2590 Conm & Robs (Work order #R8K0802213)	USFP	90000106099	NO	C310	\$0	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	0.00%	\$	\$	\$
174	TXFER00099 (GTS)	IN 2590 Conm & Robs (Work order #R8K0802213)	USFP	90000106099	NO	C310	\$0	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	0.00%	\$	\$	\$
175	DATA Center Rationalization	DATA Center Rationalization	USFP	9000096389	YES	G012	\$90,271	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
176	DATA Center Rationalization	DATA Center Rationalization	USFP	9000096387	YES	G012	\$793,491	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
177	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
178	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
179	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
180	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
181	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
182	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
183	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
184	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
185	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
186	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
187	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
188	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
189	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
190	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
191	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
192	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
193	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
194	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
195	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
196	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
197	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
198	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
199	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
200	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
201	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
202	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
203	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
204	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
205	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
206	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
207	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
208	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
209	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0	\$0	\$0	\$0	7.99100%	4.58%	\$	\$	\$
210	US-NG Global Intranet Design CAPEX	US-NG Global Intranet Design CAPEX	USFP	9000096389	YES	G012	\$516,140	3/1/2012	84	\$0								

Niagara Mohawk Power Corporation of the National Grid
Service Company Revenues
Existing Service Company Capital Software allocated to Operating Companies as Rent Expense
For the Data Year ended March 31, 2021

Line	Investment Name	Description	INVP #	Work Order	NMPC	Bill Pool	FY21 Total Spend	In Service Date	Amortization Period	4/1/2020 Balance	3/31/2021 Balance	Average Balance	Service Co Return	NMPC Allocation	NMPC Return	NMPC G-Reg Return	NMPC G-Reg Dep'n		
231	INVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)	INVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)	3614	90000176933	YES	G020	\$93,939	12/1/2016	84	\$49,206	\$35,786	\$42,696	7.9910%	4.58%	\$	117	\$	615	
232	INVP 3896 SMI Conversion Mobilization (Albemarle)	INVP 3896 SMI Conversion Mobilization (Albemarle)	3896	9000015320	YES	G020	\$3,095,820	12/1/2016	84	\$1,621,620	\$1,179,360	\$1,400,490	7.9910%	4.58%	\$	3,840	\$	20,256	
233	INVP 4224 - HANA	INVP 4224 - High Performance Analytics Appliance (HANA)	USFP	90000176943	YES	G012	\$637,905	12/1/2016	120	\$425,270	\$361,480	\$393,375	7.9910%	4.58%	\$	1,070	\$	2,922	
234	INVP 3922 - Access Violation Management	INVP 3922 - Access Violation Management	USFP	90000176939	YES	G012	\$2,499,134	12/1/2016	120	\$1,832,276	\$1,557,843	\$1,695,299	7.9910%	4.58%	\$	4,611	\$	12,991	
235	INVP 3922 - Access Violation Management	INVP 3922 - Access Violation Management	USFP	90000176939	YES	G012	\$1,658,818	12/1/2016	120	\$1,238,574	\$1,053,574	\$1,146,044	7.9910%	4.58%	\$	3,118	\$	8,311	
236	INVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)	INVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)	3614	90000176934	YES	G012	\$2,499,134	12/1/2016	84	\$1,285,574	\$1,068,674	\$1,180,674	7.9910%	4.58%	\$	3,118	\$	8,311	
237	INVP 3915 - Annual HR & Payroll Mandatory Cyber Security	INVP 3915 - Annual HR & Payroll Mandatory Cyber Security	3614A	9000014707	YES	G020	\$2,447,721	12/1/2016	84	\$1,386,902	\$1,088,656	\$1,197,779	7.9910%	4.58%	\$	3,284	\$	17,324	
238	INVP 3915 - Annual HR & Payroll Mandatory Cyber Security	INVP 3915 - Annual HR & Payroll Mandatory Cyber Security	USFP	90000176452	YES	G012	\$803,788	12/1/2016	120	\$535,839	\$455,480	\$495,669	7.9910%	4.58%	\$	1,348	\$	3,681	
239	INVP 4225 - US SAP B0E Update	INVP 4225 - US SAP B0E Update	USFP	90000176641	YES	G012	\$723,292	12/1/2016	120	\$482,195	\$409,866	\$446,630	7.9910%	4.58%	\$	1,213	\$	3,313	
240	INVP 4218 - NYS Pipeline Safety CMS Regulatory Compliance	INVP 4218 - NYS Pipeline Safety CMS Regulatory Compliance	USFP	90000178859	YES	G012	\$2,393,826	12/1/2016	120	\$1,585,884	\$1,356,501	\$1,476,193	7.9910%	4.58%	\$	4,015	\$	10,984	
241	INVP 3882 - NYS Pipeline Safety CMS Regulatory Compliance	INVP 3882 - NYS Pipeline Safety CMS Regulatory Compliance	USFP	90000161831	YES	G207	\$1,480,189	12/1/2016	84	\$753,337	\$635,881	\$669,609	7.9910%	19.47%	\$	7,805	\$	41,170	
242	INVP 4225 - Ancillary SAP Apps	INVP 4225 - Ancillary SAP Application Updates	USFP	90000176946	YES	G012	\$426,099	12/1/2016	120	\$284,066	\$241,456	\$262,861	7.9910%	4.58%	\$	715	\$	1,982	
243	INVP 4219 - PowerPlan Upgrade	INVP 4219 - PowerPlan Upgrade	USFP	90000176940	YES	G012	\$1,250,641	12/1/2016	120	\$833,894	\$708,810	\$771,352	7.9910%	4.58%	\$	2,098	\$	5,729	
244	INVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)	INVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)	3614	90000176934	YES	G012	\$2,499,134	12/1/2016	120	\$1,112,587	\$954,044	\$1,046,666	7.9910%	4.58%	\$	2,694	\$	14,209	
245	INVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)	INVP 3614G1 - US Reference Security Architecture (Full) (Cyber Security)	3614	90000176934	YES	G012	\$2,499,134	12/1/2016	84	\$1,112,587	\$954,044	\$1,046,666	7.9910%	4.58%	\$	2,694	\$	14,209	
246	USFP R8 Payroll	USFP R8 Payroll part of US\$C-12-333	USFP	90000142385	YES	G012	\$16,772	12/1/2016	120	\$11,181	\$9,504	\$10,343	7.9910%	4.58%	\$	28	\$	77	
247	INVP 3538 - VSTIG Bandwidth Increase	INVP 3538 - VSTIG Bandwidth Increase	3538	90000158866	YES	G020	\$21,448	12/1/2016	84	\$0	\$0	\$0	7.9910%	4.58%	\$	32	\$	-	
Total US										\$210,757,618	\$135,168,220	\$172,962,919		\$	\$	\$	\$	\$	\$
										\$3,589,450				\$	\$	\$	\$	\$	\$

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, and March 31, 2021

Investment Name	INVP	Work Order	Allocation Code	Allocation NMPC-G	Full Sanction Estimate*	10% Threshold for Incentive	Assumed Actuals upon Project Closure*	Difference from Sanctioned Amount	Gas Portion to be Shared
Green Button Connect	4704C	N/A	C113	27%	\$3,072,759	\$2,765,483	\$2,500,000	(\$572,759)	(\$155,160)
					\$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 sanction paper for project closure, are less than the full sanction estimate, as reflected in the full sanction paper, by ten percent or more. The 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" (rather than "Partial" or "Re-Sanction") in the "Sanction Type" field on the sanction paper. For 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

	<u>Gas</u> <u>Rate Year One</u>	<u>Gas</u> <u>Rate Year Two</u>	<u>Gas</u> <u>Rate Year Three</u>
1 Actual Expense	\$ 10,000	\$ 10,200	\$ 10,700
2 Rate Allowance	<u>\$ 10,549</u>	<u>\$ 10,549</u>	<u>\$ 10,549</u>
3 Difference	<u>\$ 549</u>	<u>\$ 349</u>	<u>\$ (151)</u>
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

	<u>Gas</u> <u>Rate Year One</u>	<u>Gas</u> <u>Rate Year Two</u>	<u>Gas</u> <u>Rate Year Three</u>
1 Actual Expense	\$ 10,700	\$ 10,350	\$ 10,900
2 Rate Allowance	<u>\$ 10,549</u>	<u>\$ 10,549</u>	<u>\$ 10,549</u>
3 Difference	<u>\$ (151)</u>	<u>\$ 199</u>	<u>\$ (351)</u>
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	Staff Acctg Panel Adjustments	Adjusted	Percent	Rate Year One	Rate Year Two	Rate Year	Forecast
	Deferral Balance at 3/31/18 (in millions)		Forecast Deferral Balance at 3/31/18 (in millions)		Credit Allocation	Credit Allocation	Three Credit Allocation	Deferral Balance at end of Rate Year 3 (in millions)
					\$ 32.315	\$ 16.924	\$ 5.344	
<u>RRP Testimony Table 9 Gas Deferrals</u>								
FIT Repair Cost	\$ (30.113)		\$ (30.113)	40.36%	\$ 13.043	\$ 6.831	\$ 2.157	\$ (8.082)
Auction Debt True-Up – Gas	(19.762)		(19.762)	26.49%	8.560	4.483	1.416	(5.304)
Gas Community Carrying Charges	(23.732)		(23.732)	31.81%	10.279	5.384	1.700	(6.369)
Property Tax Expense	(11.973)		(11.973)	16.05%	5.186	2.716	0.858	(3.213)
Pension Expense Deferred – Gas	12.668		12.668	-16.98%	(5.487)	(2.874)	(0.907)	3.400
OPEB Expense Deferred – Gas	4.224		4.224	-5.66%	(1.830)	(0.958)	(0.303)	1.134
Site Investigation and Remediation Expense – Gas	(9.969)		(9.969)	13.36%	4.318	2.261	0.714	(2.675)
Capital Tracker – Case 12-G-0202 (FY14-16)	(6.180)		(6.180)	8.28%	2.677	1.402	0.443	(1.659)
Net Utility Plant and Depreciation Reconciliation Mechanism – Gas	22.958		22.958	-30.77%	(9.944)	(5.208)	(1.644)	6.161
Federal Tax Refund 1991-1995	(3.723)		(3.723)	4.99%	1.613	0.845	0.267	(0.999)
Medicare Act Tax Benefit	3.231		3.231	-4.33%	(1.400)	(0.733)	(0.231)	0.867
Joint Proposal Amortization	(2.896)		(2.896)	3.88%	1.254	0.657	0.207	(0.777)
Gas Millennium Fund Deferral	0.453		0.453	-0.61%	(0.196)	(0.103)	(0.032)	0.122
Miscellaneous Gas Penalties - Gas	(0.443)		(0.443)	0.59%	0.192	0.100	0.032	(0.119)
Variable Pay – Gas	(0.431)		(0.431)	0.58%	0.187	0.098	0.031	(0.116)
Gas Contingency Reserve	(0.407)		(0.407)	0.55%	0.176	0.092	0.029	(0.109)
Bonus Depreciation – Gas – Case 15-M-0744	(1.313)		(1.313)	1.76%	0.569	0.298	0.094	(0.352)
CSS Conversion Savings – Gas	(0.069)		(0.069)	0.09%	0.030	0.016	0.005	(0.019)
KeySpan Merger Savings – Gas	(0.063)		(0.063)	0.08%	0.027	0.014	0.005	(0.017)
Incentive Return on Retirement Funding	0.034		0.034	-0.05%	(0.015)	(0.008)	(0.002)	0.009
Curtailement - Gas	(0.023)		(0.023)	0.03%	0.010	0.005	0.002	(0.006)
Bonus Depreciation Adjustment - Gas	(0.022)		(0.022)	0.03%	0.010	0.005	0.002	(0.006)
GRT Customer Refund	(0.015)		(0.015)	0.02%	0.006	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%	(0.601)	(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%	3.504	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%	0.146	0.076	0.024	(0.090)
Gas Deferral Accounts Available to Mitigate Rate Increase	\$ (74.830)	\$ 0.225	\$ (74.605)	100%	\$ 32.315	\$ 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.¹

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.

¹ 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

² 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.

³ 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.⁴ 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) Residential Energy Intensity

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) Commercial Energy Intensity

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.

⁴ 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.⁵ 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 EAMs		Incentive (\$m)			Target		
		2018	2019	2020	2018	2019	2020
Peak Reduction (MW)	Minimum	\$1.4	\$1.5	\$1.5	6801	6767	6734
	Midpoint	\$2.1	\$2.2	\$2.3	6747	6671	6604
	Maximum	\$4.1	\$4.4	\$4.6	6712	6614	6524
DER Utilization (MWh)	Minimum	\$0.5	\$0.5	\$0.6	191,416	210,929	238,290
	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
Incremental EE (MWh)	Minimum	\$0.9	\$0.9	\$1.0	278,321	278,321	278,321
	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 Lighting (MWh)	Minimum	\$0.0	\$0.0	\$0.0	9,124	9,124	9,124
	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 - Residential (% Δ in MWh/customer)	Minimum	\$0.3	\$0.4	\$0.4	0.80%	0.80%	0.80%
	Midpoint	\$1.0	\$1.1	\$1.2	1.00%	1.00%	1.00%
	Maximum	\$2.4	\$2.9	\$3.1	1.22%	1.22%	1.22%

⁵ 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 - Commercial (% Δ in MWh/customer)	Minimum	\$0.3	\$0.4	\$0.4	0.86%	0.86%	0.86%
	Midpoint	\$1.0	\$1.1	\$1.2	1.10%	1.10%	1.10%
	Maximum	\$2.4	\$2.9	\$3.1	1.34%	1.34%	1.34%
Developer Satisfaction	Minimum	\$0.3	\$0.4	\$0.4	TBD		
	Midpoint	\$0.9	\$0.9	\$1.0			
	Maximum	\$1.7	\$1.8	\$1.9			
Beneficial Electrification (Lifetime MT CO ₂)	Minimum	\$0.3	\$0.5	\$0.6	13,533	15,355	17,756
	Midpoint	\$0.9	\$1.1	\$1.2	23,592	26,143	29,505
	Maximum	\$1.7	\$2.5	\$2.7	41,546	45,861	52,044
Total Electric EAM Incentive							
Total	Minimum	\$4.1	\$4.6	\$4.8			
	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 ETIP⁶ 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:

⁶ 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		
		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 meet 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”)¹ and plug-in hybrid vehicles (“PHEVs”). Data will be obtained from the R.L. Polk Vehicles in Operation data source².

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:

$$[NMPC\ EVs] - [Peer\ group\ EVs * 55.7\%]$$

¹ Excluding low speed vehicles such as golf carts

² 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

COUNTY	CITY	STATE	ZIP	2016		Mean Household Income
				Cumulative EVs Registered	Population over 16	
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	Buzzards Bay	MA	02532	9	10,205	\$ 81,029
BARNSTABLE	Buzzards Bay	MA	02542	0	585	\$ 49,823
MIDDLESEX	Cambridge	MA	02140	48	15,799	\$ 113,113
MIDDLESEX	Cambridge	MA	02141	15	11,735	\$ 90,066
PLYMOUTH	Carver	MA	02330	3	9,395	\$ 82,128
BARNSTABLE	Cataumet	MA	02534	4	819	\$ 85,128
BARNSTABLE	Centerville	MA	02632	11	8,674	\$ 77,847
BARNSTABLE	Chatham	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	25,812	\$ 66,820

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	Hyannis	MA	02601	14	12,286	\$	52,637
BARNSTABLE	Hyannis Port	MA	02647	0	113	\$	109,725

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

PLYMOUTH	Rochester	MA	02770	3	4,086	\$	112,624
SUFFOLK	Roslindale	MA	02131	23	25,685	\$	84,496
HAMPDEN	Russell	MA	01071	0	1,082	\$	84,781
BARNSTABLE	Sagamore	MA	02561	0	439	\$	61,963
BARNSTABLE	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
MIDDLESEX	Waltham	MA	02451	37	15,524	\$	99,555
MIDDLESEX	Waltham	MA	02452	11	13,627	\$	94,848
MIDDLESEX	Waltham	MA	02453	42	25,586	\$	83,903
PLYMOUTH	Wareham	MA	02571	8	8,962	\$	69,270
BARNSTABLE	Wellfleet	MA	02667	5	2,640	\$	67,653
BARNSTABLE	West Barnstable	MA	02668	7	2,709	\$	107,810

WORCESTER	West Boylston	MA	01583	10	6,557	\$	92,488
HAMPSHIRE	West Chesterfield	MA	01084	0	145	\$	84,429
BARNSTABLE	West Dennis	MA	02670	0	1,251	\$	79,587
BARNSTABLE	West Harwich	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 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
BARNSTABLE	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	01270	0	656	\$	90,606
BARNSTABLE	Woods Hole	MA	02543	4	712	\$	95,598
HAMPSHIRE	Worthington	MA	01098	0	1,000	\$	78,584
BARNSTABLE	Yarmouth Port	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	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	151	\$	77,386
GREENE	Athens	NY	12015	3	2,393	\$	70,250
STEUBEN	Atlanta	NY	14808	0	437	\$	55,474
CAYUGA	Aurora	NY	13026	0	1,617	\$	73,450
COLUMBIA	Austerlitz	NY	12017	1	273	\$	80,173
STEUBEN	Avoca	NY	14809	5	2,017	\$	54,471
CHENANGO	Bainbridge	NY	13733	6	4,051	\$	63,368
NASSAU	Baldwin	NY	11510	29	26,498	\$	107,779
DUTCHESS	Barrytown	NY	12507	1	240	\$	112,085

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	Bloomington	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

MADISON	Brookfield	NY	13314	0	476	\$	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
WESTCHESTER	Buchanan	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
CHAUTAUQUA	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
RENSSELAER	Cherry Plain	NY	12040	0	116	\$	48,940
ORANGE	Chester	NY	10918	12	9,692	\$	105,937
ULSTER	Chichester	NY	12416	0	124	\$	28,107

CLINTON	Churubusco	NY	12923	0	535	\$	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
CATTARAUGU	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	Cottkill	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
WESTCHESTER	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
CATTARAUGU	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
BROOME	Deposit	NY	13754	1	2,965	\$	54,599

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
CHAUTAUQUA	Ellington	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
WESTCHESTER	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

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

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

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
WESTCHESTER	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

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
PUTNAM	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	Middle Granville	NY	12849	0	549	\$	79,731
SUFFOLK	Middle Island	NY	11953	38	10,390	\$	80,561

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
WESTCHESTER	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
WESTCHESTER	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
WESTCHESTER	Mount Vernon	NY	10552	17	16,642	\$	92,459
WESTCHESTER	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

WESTCHESTER	New Rochelle	NY	10805	12	15,766	\$	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
WESTCHESTER	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
GREENE	Palenville	NY	12463	2	973	\$	64,851

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
WESTCHESTER	Peekskill	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
WESTCHESTER	Purdys	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

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

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
WESTCHESTER	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

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	Stephentown	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
WESTCHESTER	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

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
WESTCHESTER	White Plains	NY	10601	47	9,682	\$	112,517
WESTCHESTER	White Plains	NY	10603	26	14,047	\$	118,545
WESTCHESTER	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

WAYNE	Wolcott	NY	14590	1	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
ULSTER	Woodstock	NY	12498	12	4,322	\$ 111,598
SULLIVAN	Wurtsboro	NY	12790	3	4,003	\$ 59,990
SUFFOLK	Wyandanch	NY	11798	13	11,986	\$ 84,621
SUFFOLK	Yaphank	NY	11980	74	4,521	\$ 103,092
WESTCHESTER	Yonkers	NY	10703	8	16,634	\$ 71,365
WESTCHESTER	Yonkers	NY	10704	23	25,816	\$ 82,446
WESTCHESTER	Yonkers	NY	10710	15	23,041	\$ 101,745
SULLIVAN	Youngsville	NY	12791	0	514	\$ 71,834
SULLIVAN	Yulan	NY	12792	0	240	\$ 46,018

Niagara Mohawk	Mean	
	Population over 16	Household 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		
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	HIGH
Protection against accidental overpressuring	255.195	HIGH
Control of the pressure of gas delivered from high pressure distribution systems	255.197	HIGH
Requirements for design of pressure relief and limiting devices	255.199	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	255.231	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	HIGH
Installation of plastic pipe	255.321	HIGH
Underground clearance	255.325	HIGH
Customer meters and service regulators: Installation	255.357(d)	HIGH
Service lines: Installation	255.361(e),(f),(g),(h),(i)	HIGH
Service lines: Location of valves	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

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
Transmission lines: Patrolling	255.705	HIGH
Leakage Surveys - Transmission	255.706	HIGH
Transmission lines: General requirements for repair procedures	255.711	HIGH
Transmission lines: Permanent field repair of imperfections and damages	255.713	HIGH
Transmission lines: Permanent field repair of welds	255.715	HIGH
Transmission lines: Permanent field repair of leaks	255.717	HIGH
Transmission 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
Pressure limiting and regulating stations: Inspection and testing	255.739(a),(b)	HIGH
Regulator Station Overpressure Protection	255.743(a),(b)	HIGH
Transmission Line Valves	255.745	HIGH
Prevention of accidental ignition	255.751	HIGH
Protecting cast iron pipelines	255.755	HIGH
Replacement of exposed or undermined cast iron piping	255.756	HIGH
Replacement of cast iron mains paralleling excavations	255.757	HIGH
Leaks: Records	255.807(d)	HIGH
Leaks: Instrument sensitivity verification	255.809	HIGH
Leaks: Type 1	255.811(b),(c),(d),(e)	HIGH
Leaks: Type 2A	255.813(b),(c),(d)	HIGH
Leaks: Type 2	255.815(b),(c),(d)	HIGH
Leak Follow-up	255.819(a)	HIGH
High Consequence Areas	255.905	HIGH
Required Elements (IMP)	255.911	HIGH
Knowledge and Training (IMP)	255.915	HIGH
Identification of Potential Threats to Pipeline Integrity and Use of the Threat Identification in an Integrity Program (IMP)	255.917	HIGH
Baseline 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
Internal Corrosion Direct Assessment (ICDA) (IMP)	255.927	HIGH
Confirmatory Direct Assessment (CDA) (IMP)	255.931	HIGH
Addressing Integrity Issues (IMP)	255.933	HIGH
Preventive and Mitigative Measures to Protect the High Consequence Areas (IMP)	255.935	HIGH
Continual Process of Evaluation and Assessment (IMP)	255.937	HIGH
Reassessment Intervals (IMP)	255.939	HIGH
General requirements of a GDPIM plan	255.1003	HIGH
Implementation 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
Requirements a small liquefied petroleum gas (LPG) operator must satisfy to implement a GDPIM plan	255.1015	HIGH

HIGH RISK SECTIONS 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		
ACTIVITY TITLE	CODE SECTION	RISK FACTOR
Preservation of records	255.17	OTH
Compressor station: Design and construction	255.163	OTH
Compressor station: Liquid removal	255.165	OTH
Compressor stations: Additional safety equipment	255.171	OTH
Vaults: Accessibility	255.185	OTH
Vaults: Sealing, venting, and ventilation	255.187	OTH
Calorimeter or calorimeter structures	255.190	OTH
Design pressure of plastic fittings	255.191	OTH
Valve installation 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
Nondestructive testing-Pipeline to operate at 125 PSIG or more	255.243(f)	OTH
Plastic pipe: Qualifying joining procedures	255.283	OTH
Plastic pipe: Qualifying persons to make joints	255.285(c)(e)	OTH
Plastic pipe: Inspection of joints	255.287	OTH
Bends and elbows	255.313(d)	OTH
Protection from hazards	255.317	OTH
Installation of pipe in a ditch	255.319	OTH
Casing	255.323	OTH
Cover	255.327	OTH
Customer meters and regulators: Location	255.353	OTH
Customer meters and regulators: Protection from damage	255.355	OTH
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
Service lines: excess flow valve performance standards	255.381	OTH
External corrosion control: Buried or submerged pipelines installed after July 31, 1971	255.455 (a)	OTH
External corrosion control: Examination of buried pipeline when exposed	255.459	OTH
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	OTH
External corrosion control: Test lead	255.471	OTH
External corrosion control: Interference currents	255.473	OTH
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	255.511	OTH
Environmental protection and safety requirements	255.515	OTH
Records (TESTING)	255.517	OTH
Notification requirements (UPGRADES)	255.552	OTH
General requirements (UPGRADES)	255.553 (d)(e)	OTH
Conversion to service subject to this Part	255.559(b)	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)	OTH
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 SECTIONS 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 pre-established 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. All Other Termination Benefits, Settlements, and Curtailments. 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

Table 1

A	B	C	D	E	F	G	H	I	J	K	L
	# of	Total	Pension	Revised	Decrease	Capital	Decrease	Pension	Svc Co	NM	
	Employees	NM	Expense	Pension	Pension	%	for	Adj	Allocation	Share of	Final
	Transferred	Pension	Originally	Expense	Expense	Capitalized	Amount	Adj	% to NM	Allocation	Pension Adj
	to Svc Co.	Expense	Allocated	Allocated	Change	%	Capitalized	Adj	% to NM	Allocation	Pension Adj
	to Svc Co.	to Svc Co.	to Svc Co.	to Svc Co.	Change	%	Capitalized	Adj	% to NM	Allocation	Pension Adj
FYE 3/31/04	156	\$50,204,699	\$3,065,129	\$3,363,347	(298,218)	23.95%	(71,423)	(226,795)	26.09%	(77,805)	(148,990)
FYE 3/31/05	39	\$60,190,372	\$4,439,886	\$4,524,106	(84,220)	26.04%	(21,931)	(62,289)	29.20%	(24,592)	(37,697)
FYE 3/31/06	86	\$77,659,992	\$6,141,852	\$6,395,794	(253,942)	26.18%	(66,482)	(187,460)	31.09%	(78,951)	(108,509)
Total Pension Adj		\$188,055,063	\$13,646,867	\$14,283,247	(636,380)		(159,836)	(476,544)		(181,348)	(295,196)

OPEBs Expense

A	B	C	D	E	F	G	H	I	J	K	L
	# of	Total	OPEB	Revised	Decrease	Staff	Decrease	OPEB	Svc Co	NM	
	Employees	NM	Expense	OPEB	OPEBs	Capital	for	Adj	Allocation	Share of	Final
	Transferred	OPEB	Originally	Expense	Expense	%	Amount	Adj	% to NM	Allocation	OPEB Adj
	to Svc Co.	Expense	Allocated	Allocated	Change	%	Capitalized	Adj	% to NM	Allocation	OPEB Adj
	to Svc Co.	Expense	to Svc Co.	to Svc Co.	Change	%	Capitalized	Adj	% to NM	Allocation	OPEB Adj
FYE 3/31/04	156	\$29,370,462	\$2,151,210	\$2,360,509	(209,299)	23.95%	(50,127)	(159,172)	24.27%	(50,797)	(108,375)
FYE 3/31/05	39	\$30,079,311	\$3,646,731	\$3,715,905	(69,174)	26.04%	(18,013)	(51,161)	28.78%	(19,908)	(31,253)
FYE 3/31/06	86	\$33,322,910	\$3,872,117	\$3,944,719	(72,602)	26.18%	(19,007)	(53,595)	31.01%	(22,514)	(31,081)
Total OPEB Adj		\$92,772,683	\$9,670,058	\$10,021,133	(351,075)		(87,147)	(263,928)		(93,219)	(170,709)

Column

A Fiscal YE

B Number of Employees transferred to NGUSA Service Company during the fiscal year

C Total NMPC Pension/OPEB Expense per Hewitt

D	Pension/OPEB expense originally allocated to NGUSA Service Company, excluding employees transferred during the year (based on revised actuarial valuations)
E	Revised pension/OPEB expense originally allocated to NGUSA Service Company, including employees transferred during the year (based on revised actuarial valuations)
F	Column (D) – Column (E)
G	Percentage of pension/OPEB expense capitalized (per method described in PSC-276, and as reconciled to under section 3.8.1 of the stipulation)
H	Decrease for amount capitalized (F x G)
I	Adjustment w/out service company allocation adjustment (F – H)
J	Percentage of pension/OPEB expense originally allocated from NGUSA Service Company to NM
K	Column (F) x Column (J)
L	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

- Implement an enterprise-wide Geographic Information System (“GIS”), investment planning, integrity management, and design systems /tools integrated with the work management system
- 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

- 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
- 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
- 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
 - Spatial crew visibility
- Field mobility solutions
 - electronic data capture
 - acceptance of credit card payments
 - visibility to customer payment history
 - print capability

- electronic work packages
- 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

Measurement Area	KPI	Metric Description	Algorithm	Data Source
Work Management- Customer Meter Services (“CMS”)	Avg. # of completed gas Jobs per CMS FTE (jobs/day)	Measures the average number of gas jobs completed per day by each working CMS FTE	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	Jobs Data and HRIS system
Work Management- Maintenance & Construction (“M&C”)	Avg. ft. of gas distribution main installed or replaced per M&C FTE (ft/day)	Measures the average feet of gas distribution main installed per day by each working gas M&C FTE	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 <i>multiplied by</i> (ii) the number of feet in a mile, <i>divided by</i> (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.	M&C Workplan

	<p>“Distribution Main” means the following types of gas distribution main: new main, proactive and reactive replacements, reliability and reinforcements, and city state construction replacements</p> <p>“Miles” means miles of gas distribution main installed</p> <p>“Feet” means feet of gas distribution main installed</p> <p>“FTEs” includes Company gas employees and excludes contractors</p>			
<p>Engineering and Back Office</p>	<p>Work Orders Processed/ Back Office FTEs (WOs/yr)</p>	<p>Measures the average number of Work Orders processed per year in the back office by each engineering clerical employee</p>	<p>The quotient of (i) Company total Work Orders in STORMS during the fiscal year <i>divided by</i> (ii) average number of Clerks active during the fiscal year.</p> <p>“Work Orders” means work orders marked as closed in STORMS</p> <p>“Clerks” means those Company and Service Company employee and contractor roles responsible for processing Work Orders.</p>	<p>STORMS Data</p> <p>R850 completion</p> <p>Clerical information (HRIS) and filtered for those responsible for processing work orders</p>
<p>Customer</p>	<p>Total Call Volume (Calls/year)</p>	<p>Measures the total volume of move and non-move telephone calls received by the Company’s call centers from customers</p>	<p>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</p>	<p>Move Call Benefits – call center query for fiscal year</p> <p>Non Move Call Benefits – call center query for fiscal year</p> <p>Move and Non-move Calls</p>

	<p>during the same measurement window.</p> <p>“Move Calls” means calls for service installation or discontinuance.</p> <p>“Non-move Calls” means calls to resolve a customer issue.</p>		<p>are included but not differentiated in the total Annual Call Volumes reported in the annual Service Quality Assurance Program report (discussed in Appendix 15) provided on a calendar year basis.</p>
<p>Customer / Key Measurement</p>	<p>Customer Experience (Effort) Rating</p>	<p>Measures the overall satisfaction of National Grid residential gas customers captured in the “Ease of Doing Business” surveys, the results of which are mainly driven by number handoffs between Company departments and ease of issue resolutions</p>	<p>Customer Effort Survey Results from the Brand, Image & Relationship Survey</p>
<p>Gas Safety & Compliance</p>	<p>Total non-compliance occurrences</p>	<p>Measures the total number of gas safety non-compliance occurrences</p>	<p>NMPC Records and Field Audit Results</p> <p>Cumulative Annual Non-Compliance Occurrences (as discussed in Joint Proposal Section 12.5) from Pipeline Safety & Compliance Team</p>
	<p>Total occurrences of violations of the Commission’s gas safety regulations, as measured by the final results of Staff’s annual records and field audits.</p>		

Notes:

The purpose of each KPI is to measure the performance of the Company or its employees.

Within 30 days of a Commission order approving the Joint Proposal in this proceeding, the Company will file with the Secretary a report containing (i) the Work Management - Customer Meter Services "Jobs," defined as all CMS planned and collections jobs completed by Company CMS FTEs; (ii) the current Work Management - Maintenance & Construction average crew size; and (iii) the current number of Engineering and Back Office "Clerks," defined as Company and Service Company employees and contractors 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

Niagara Mohawk Power Corporation d/b/a National Grid
 Gas Business Enablement NIMPC Example of Value Framework FY23 KPI Performance Calculation (Underperformance Against All Targets)

Line	Value Category	Work Management- CMS	Work Management- M&C	Back Office	Customer	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	Customer	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	
4	FY23 KPI Target Weighting Against Enhanced Capability Investment Potential Return to Customer	11%	11%	11%	16%	16%		35%	
5	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
6	NIMPC 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
7	Calculated NIMPC Value of Meeting the FY23 Target	\$486,847	\$861,064	\$310,265	\$297,136	\$1,283,066		\$7,900,000	\$11,138,378
8	Annual Dollar Value of a unit of improvement / (Line 3 - Line 2)	\$6,085,588	\$2,391,844	\$1,633	-\$4	\$270,689		-\$19,849	
9	Illustrative FY23 KPI Value	2.75	12.22	760	1,075,000	66.70		120	
10	Percentage Metric performance to FY23 Target = (Line 2 - Line 9)/(Line 2 - Line 3)	62.5%	52.8%	96.3%	93.0%	-21.1%		69.8%	
11	Calculated value of performance = (Line 9 - Line 2) * Line 8	\$304,279	\$454,450	\$298,834	\$276,315	-\$270,689		\$5,518,090	\$6,581,281
12	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
13	Value of any individual KPI over performance = (Line 9 - Line 4) / Line 8, if target exceeded	\$0	\$0	\$0	\$0	\$0		\$0	\$0
14	Maximum potential reallocation from any over performing KPIs = 50% * Line 7	\$243,424	\$430,532	\$155,133	\$148,568	\$641,533		\$3,950,000	
15	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)	\$0	\$0	\$0	\$0	\$0		\$0	\$0
16	Re-allocated value = Line 11 + Line 15 for underperforming KPIs or Line 7 for overperforming KPIs	\$304,279	\$454,450	\$298,834	\$276,315	-\$270,689		\$5,518,090	\$6,581,281
17	Reallocated Metric performance to FY23 Target = Maximum of Line 16 / Line 7 or 0%	63%	53%	96%	93%	0%		70%	
18	Total Value to be deferred back to customers for 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:

1. Re-allocation is based on the calculated dollar value of the KPI overperformance, not purely on a percentage basis
2. 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)
3. Through the reallocation process, the total dollar value demonstrated from the KPI overperformance cannot exceed 100% of KPI value

Niagara Mohawk Power Corporation d/b/a National Grid
 Gas Business Enablement NIMPC Example of Value Framework FY23 KPI Performance Calculation (Full or Overperformance Against Targets but One)

Line	Value Category	Work Management- CMS	Work Management- M&C	Back Office	Customer	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	Customer	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	
4	FY23 KPI Target Weighting Against Enhanced Capability Investment Potential Return to Customer	11%	11%	11%	16%	16%		35%	
5	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
6	NIMPC 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
7	Calculated NIMPC Value of Meeting the FY23 Target	\$486,847	\$861,064	\$310,265	\$297,136	\$1,283,066		\$7,900,000	\$11,138,378
8	Annual Dollar Value of a unit of improvement / (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	
10	Percentage Metric performance to FY23 Target = (Line 2 - Line 9)/(Line 2 - Line 3)	112.5%	105.6%	64.7%	111.9%	100.0%		100.0%	
11	Calculated value of performance = (Line 9 - Line 2) * Line 8	\$547,703	\$908,901	\$200,856	\$332,415	\$1,283,066		\$7,900,000	\$11,172,941
12	Value of any individual KPI underperformance = (Line 9 - Line 4) / Line 8, if underperforming	\$0	\$0	\$109,409	\$0	\$0		\$0	\$109,409
13	Value of any individual KPI over performance = (Line 9 - Line 4) / Line 8, if target exceeded	\$60,856	\$47,837	\$0	\$35,279	\$0		\$0	\$143,972
14	Maximum potential reallocation from any over performing KPIs = 50% * Line 7	\$243,424	\$430,532	\$155,133	\$148,568	\$641,533		\$3,950,000	
15	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)	\$0	\$0	\$143,972	\$0	\$0		\$0	\$143,972
16	Re-allocated value = Line 11 + Line 15 for underperforming KPIs or Line 7 for overperforming KPIs	\$486,847	\$861,064	\$310,265	\$297,136	\$1,283,066		\$7,900,000	\$11,138,378
17	Reallocated Metric performance to FY23 Target = Maximum of Line 16 / Line 7 or 0%	100%	100%	100%	100%	100%		100%	
18	Total Value to be deferred back to customers for 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

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:

1. Re-allocation is based on the calculated dollar value of the KPI outperformance, not purely on a percentage basis
2. 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)
3. Through the reallocation process, the total dollar value demonstrated from the KPIs cannot increase (i.e. performance cannot exceed 100% of KPI value)

Niagara Mohawk Power Corporation d/b/a National Grid
Gas Business Enablement NIMPC Example of Value Framework FY23 KPI Performance Calculation (Mixed Against Targets)

Line	Value Category	Work Management- CMS	Work Management- M&C	Back Office	Customer	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	Customer	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	
4	FY23 KPI Target Weighting Against Enhanced Capability Investment Potential Return to Customer	11%	11%	11%	16%	16%		35%	
5	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
6	NIMPC 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
7	Calculated NIMPC Value of Meeting the FY23 Target	\$486,847	\$861,064	\$310,265	\$297,136	\$1,283,066		\$7,900,000	\$11,138,378
8	Annual Dollar Value of a unit of improvement / (Line 3 - Line 2)	\$6,085,588	\$2,391,844	\$1,633	-\$4	\$270,689		-\$19,849	
9	Illustrative FY23 KPI Value	2.75	12.50	560	1,065,000	68.50		10	
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%	
11	Calculated value of performance = (Line 9 - Line 2) * Line 8	\$304,279	\$1,124,167	-\$27,761	\$313,715	\$216,551		\$7,701,508	\$9,632,460
12	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
13	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
14	Maximum potential reallocation from any over performing KPIs = 50% * Line 7	\$243,424	\$430,532	\$155,133	\$148,568	\$641,533		\$3,950,000	
15	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
16	Re-allocated value = Line 11 + Line 15 for underperforming KPIs or Line 7 for overperforming KPIs	\$332,875	\$861,064	\$25,185	\$297,136	\$383,602		\$7,732,598	\$9,632,460
17	Reallocated Metric performance to FY23 Target = Maximum of Line 16 / Line 7 or 0%	68%	100%	8%	100%	30%		98%	
18	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	\$7.98 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:

1. Re-allocation is based on the calculated dollar value of the KPI outperformance, not purely on a percentage basis
2. 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)
3. 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.
- Program Parameters: 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:

- Temperature trigger: Forecast average daily temperature of 15 degrees
- 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.
- East Gate Daily Balanced Transportation Customers: a certain percentage of their requirements will be required to be delivered on TGP when the Temperature Trigger is forecast to be reached.
- Cashouts and Penalties: 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:
 - 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 Projects¹ and Small Projects.² 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).³ 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.⁴ 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.

¹ 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.

² 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.

³ The Company may pursue multiple NWA Projects to defer separate traditional infrastructure projects in the same area.

⁴ 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 costs⁵ 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.

⁵ 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 costs⁶ 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

⁶ 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) ICP 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 1/12th 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 Definitions

1.1 Major Storm – 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.¹ 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 Incremental Costs – 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 Ten Days Following Restoration – 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

¹ 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						
<u>Non-Incremental Expenses</u>						
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
<u>Incremental Expenses</u>						
Overtime	78,000	60,000	5,620,000	50,000	60,000	
Affiliate 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	05/01/18	07/01/18	12/1/2018 ¹	02/01/19	03/01/19	Total
Total Incremental Expense	\$ 374,500	\$ 304,000	\$ 26,990,000	\$ 236,000	\$ 296,000	
<u>Adjustments</u>						
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	05/01/18	07/01/18	12/1/2018 ¹	02/01/19	03/01/19	Total
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?	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 (Funded in base rates)	Deferral of Storm Costs	Year-to-date Balance in Storm 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

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.

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

	5/1/2018		5/2/2018		5/3/2018		5/4/2018		5/5/2018		5/6/2018		5/7/2018		5/9/2018		Total Adjustment
	926	912	926	912	926	912	926	912	926	912	926	912	926	912	926	912	
Baseline Employee Count [A]	14		14		14		14		14		14		14		14		
Actual Employee Count [B]																	
Non-deferrable Contractor Count [C]																	
Straight-time Contractor Rate [D]	\$ 164.76	\$ 164.76	\$ 164.76	\$ 164.76	\$ 164.76	\$ 164.76	\$ 164.76	\$ 164.76	\$ 164.76	\$ 164.76	\$ 164.76	\$ 164.76	\$ 164.76	\$ 164.76	\$ 164.76	\$ 164.76	\$ 8
Straight-time Hours Per Day [E]	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Daily Straight-time Adjustment before Capital Adjustment [F]	\$ 18,453	\$ 18,453	\$ 18,453	\$ 18,453	\$ 18,453	\$ 18,453	\$ 18,453	\$ 18,453	\$ 18,453	\$ 18,453	\$ 18,453	\$ 18,453	\$ 18,453	\$ 18,453	\$ 18,453	\$ 18,453	\$ 147,626
Percentage charged to expense [G]	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
Straight-time Adjustment [H]	\$ 17,531	\$ 17,531	\$ 17,531	\$ 17,531	\$ 17,531	\$ 17,531	\$ 17,531	\$ 17,531	\$ 17,531	\$ 17,531	\$ 17,531	\$ 17,531	\$ 17,531	\$ 17,531	\$ 17,531	\$ 17,531	\$ 140,245

Notes

- [A] Baseline Line employees in rates - See Table 2
- [B] Hypothetical actual total Line employees in month prior to the major storm
- [C] Non-Deferrable Contractor equivalent headcount [A] - [B]
- [D] Straight-time equivalent hourly rate - See Page 2 of 2
- [E] Daily Straight time adjustment before capital adjustment [C] x [D] x [E]
- [G] Percent of Labor and Contractor costs charged to expense
- [H] Daily Straight time adjustment [F] x [G]

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

	Time Period	Blue Chip Inflation Rate	Hourly Contractor 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 Deflator 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

**FY 2019 Hypothetical Staffing
 for Month Prior to a Storm
 (used in Table 1 Example)**

Work Discipline	Source	Job Title	FY 2019	FY 2020	FY 2021	Total Actual Staffing	Staffing Below Baseline
1 Line Restoration	October 2017 Payroll	Cable Splicer A	16	16	16	16	
2		Cable Splicer B	11	11	11	11	
3		Cable Splicer C	28	28	28	28	
4		Cable Splicer Helper	6	6	6	6	
5		Chief Cable Splicer A	26	26	26	26	
6		Chief Line Mech A Hstick	306	306	306	303	-3
7		Line Mechanic A	29	29	29	29	
8		Line Mechanic B	72	72	72	72	
9		Line Mechanic C	51	51	51	45	-6
10		Line Mechanic Helper	21	21	21	21	
11		Line Mechanic-Hot Stick	217	217	217	212	-5
12		One Person Line/Tbl Mechanic	62	62	62	62	
13		Tran Chief Live Ln Bare Hnd Sp	6	6	6	6	
14		Tran Line Worker A 3/C	1	1	1	1	
15		Tran Line Worker C 1/C	3	3	3	3	
16		Tran Line Worker Hot Stick	12	12	12	12	
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	9	9	5	
22		Transmission Line Worker Helper	2	4	4	2	
23		Line Restoration Total	926	932	932	912	-14

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 Electric and Gas Customer Service

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 CUSTOMER SERVICE MEASURES

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 customers)	Negative Revenue Adjustment Linear 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 Residential Transaction Satisfaction Index

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.

The measure will be as follows:

Residential Transaction Satisfaction Index Interval	Negative Revenue Adjustment Linear 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.

The measure will be as follows:

C&I Transaction Satisfaction Index Interval	Negative Revenue Adjustment Linear 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 Calls Answered Target	
% Calls Answered Within 30 Seconds	Negative Revenue Adjustment Linear 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 Calls Answered Target	
% Calls Answered Within 30 Seconds	Negative Revenue Adjustment Linear 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 Within 30 Seconds	Negative Revenue Adjustment Linear 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 +/-25% of Final Engineering Estimate	Negative Revenue Adjustment
≥ 80%	\$0
≥ 70% but < 80%	\$1 million
≥ 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:

	<u>Electric</u>	<u>Gas</u>
1) Customer Service Measures	See Attachment 1, Table 1	
2) Electric Reliability Measures	See Attachment 1, Table 2 (electric only)	

6.0 COMMISSION AUTHORITY

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.

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

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>	<u>Gas</u>	<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

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 2018				CY 2019				CY 2020-2021			
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	2,205,000	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
74.6	1,883,438	627,813	2,511,250	76.2	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	585,156	2,340,625	76.5	1,565,156	521,719	2,086,875	76.5	1,755,469	585,156	2,340,625
75.0	1,712,813	570,938	2,283,750	76.6	1,515,938	505,313	2,021,250	76.6	1,712,813	570,938	2,283,750
75.1	1,670,156	556,719	2,226,875	76.7	1,466,719	488,906	1,955,625	76.7	1,670,156	556,719	2,226,875
75.2	1,627,500	542,500	2,170,000	76.8	1,417,500	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
75.6	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

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
	<u>Total</u>
System Average Interruption Frequency Index	
SAIFI (number of outages per customer per year)	
1.08 or below	-
Greater than 1.08	4,000,000

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

Customer Average Interruption Duration Index CAIDI (average hours per interruption)	CAIDI	
	Calendar Year 2018-2021	<u>Total</u>
2.10 or below		-
Greater than 2.10		4,000,000

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

Estimating	Estimating Calendar Year 2018-2021	
		<u>Total</u>
Project Metric		
>=80%		-
Between 70% and 80%		1,000,000
Between 60% and 70%		2,000,000
<60%		3,000,000
Portfolio Metric		
Between -15% and 15% difference		-
More than -15% or 15%		1,000,000

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	<u>Total</u>
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 Definitions used in this document

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 Board of Directors

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 Accounting Issues and Dividend Limitations

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 Debt and Equity Components Used for Ratemaking Purposes

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 vice-versa) 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 Compensation for Transfers to Other than a Transmission or Distribution Company

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 Employee Compensation and Benefits

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 Legal Representation

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 Customer Inquiries

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 Annual Meeting

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 Commercialization of Products and Technologies Developed as a 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 Miscellaneous Corporate Provisions

2.1 Monthly Deferral Submittal

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.¹

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

¹ 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 Internal Audits of Deferral Accounts

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.