Before the Public Service Commission

NIAGARA MOHAWK POWER CORPORATION
d/b/a NATIONAL GRID

Corrections and Updates Testimony

of

The Electric Rate Design Panel

Dated: October 14, 2020

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I. Introduction

Q. Please identify the members of the Electric Rate Design Panel.

A. The Electric Rate Design Panel ("Panel") consists of Kellie I. Smith, Carol Teixeira, and Howard S. Gorman. This is the same Panel that submitted direct testimony as part of Niagara Mohawk Power Corporation d/b/a National Grid's ("Niagara Mohawk" or "Company") July 31, 2020 filing. The terms defined in the Panel's direct testimony have the same meanings here.

Q. What is the purpose of the Panel's corrections and updates testimony?

A. The Panel provides corrections and updates to Niagara Mohawk's Embedded Cost of Service Study ("ECOSS"), revenue forecast, rate design, Revenue Decoupling Mechanism ("RDM"), Merchant Function Charge ("MFC"), Transmission Revenue Adjustment ("TRA") mechanism, Marginal Cost of Service Study ("MCS"), and outdoor lighting service items based on updates and corrections made to the Company's revenue requirement and other changes identified since the July 31, 2020 filing. The Panel also provides revised bill impacts based on the corrected and updated information. Further, the Panel updated the proposed rates for the Company's Residential EV Smart Charging Plan, as well as incremental customer charges and certain tariff charges, fees, and provisions. Finally, the Panel proposes a tariff modification to introduce a new Earnings Adjustment Mechanism ("EAM") metric.

Q. Has the Panel prepared any exhibits to reflect its corrections and updates?

A. Yes. The Panel prepared the following exhibits and two appendices.

- Exhibit ___ (E-RDP-2CU) – Revenue Forecast
- Exhibit ___ (E-RDP-3CU) – Embedded Cost of Service Study
- Exhibit ___ (E-RDP-4CU) – Proposed Revenue Allocation, Rate Design and Customer Bill Impacts
- Exhibit ___ (E-RDP-5CU) – SC-7 Rate Design
- Exhibit ___ (E-RDP-6CU) – Proposed Tariff Fees
- Exhibit ___ (E-RDP-7CU) – Merchant Function Charge - Electric
- Exhibit ___ (E-RDP-8CU) – Revenue Allocation, Rate Design, and Development of Target Revenue per Lighting Class
- Exhibit ___ (E-RDP-9CU) – Revenue Decoupling Mechanism – Annual Revenue Targets
- Exhibit ___ (E-RDP-10CU) – Marginal Cost Study
- Exhibit ___ (E-RDP-11CU) – Residential Electric Vehicle Smart Charging Plan
- Exhibit ___ (E-RDP-14CU) – Workpapers
- Appendix A – Company's Responses to Relevant Information Requests

Q. Will the Panel refer to any information provided during the discovery phase of this proceeding?

A. Yes. The Panel will refer to information provided in response to Information Request Nos. DPS-334 and DPS-625, copies of which are included in Appendix A.

II. Corrections and Updates

A. Embedded Cost of Service Study

Q. Please describe the corrections and updates to the ECOSS.

A. Exhibit __ (E-RDP-3CU) presents the updated ECOSS ("ECOSS (CU)"), which reflects the revenue requirement presented in Exhibit __ (RRP-1CU), as well as the sales forecast and customer count presented in the corrections and updates testimony of Company Witness Joseph F. Gredder. The ECOSS (CU) corrects the assignment of transformers that serve SC 3 customers (*see* Exhibit __ (E-RDP-3), Schedule 9K) and updates the allocation of costs in Customer Assistance Expense (account 908) to reflect the programs in that account (*see* Exhibit __ (E-RDP-3CU), Schedule 9Q). There were no changes to the methodology from the Company's initial ECOSS filed July 31, 2020, and no other changes in the assignment or developer allocators.

The results of the ECOSS (CU) are presented on Exhibit __ (E-RDP-3CU), Schedule 1. Lines 1-12 show delivery revenue at present rates, net income at present rates, rate base, and rate of return on rate base, for the total Company and for each rate class. Line 11 presents the return on rate base at present rate revenue for each class, and line 12 compares each class's return to the system return of 5.16 percent. Line 13 presents the revenue requirement for each class to achieve the system average target return of 6.31 percent, and line 27 computes the change in base delivery revenues needed to achieve this revenue requirement. This information provides guidance for allocation of the Company's proposed revenue increase and rate design.

B. <u>Revenue Allocation</u>

Q. Please describe the Company's proposed revenue allocation.

A. Exhibit __ (E-RDP-4CU), Schedule 1 presents the proposed revenue allocation to meet the revenue requirement presented in Exhibit __ (RRP-1CU). To produce the target revenue for each class, the Panel multiplied by 102.11 percent the increases proposed in its initial filing at Exhibit __ (E-RDP-4), Schedule 1, line 35; these updated proposed increases are shown on Exhibit __ (E-RDP-4CU), Schedule 1, line 35. This was appropriate because the relative returns for each class computed in the ECOSS (CU) were very close to the relative returns in the Company's initial filing (compare Exhibit __ (E-RDP-

4CU), Schedule 1, line 8 to Exhibit___(E-RDP-4), Schedule 1, line 8), and the position of each class with respect to both the average return and the tolerance band was very close to the Panel's initial filing.

The delivery revenue proposed for each class is shown on Exhibit __ (E-RDP-4CU), Schedule 1, line 37. The proposed revenue allocation produces returns ranging from 4.8 percent to 6.9 percent (except for SC 1C, which is 14.5 percent) with the system target return of 6.31 percent (line 46), and reflects the results of the ECOSS (CU).

C. <u>Rate Design</u>

Q. How were the proposed rates for each class developed?

A. Exhibit __ (E-RDP-4CU), Schedule 4 presents the proposed rates for each class. The proposed rates produce the target revenue for each class that is developed on Schedule 1, line 37, with very small differences due to rounding. The fixed monthly charges were increased by approximately two percent (except for SC 2ND, which was not changed), and the RkVA rates where applicable were not changed. The kWh-based and kW-based volumetric rates for each class were then computed to produce the balance of the class' revenue target.

The NYPA Credit and related ETIP Adder, as well as the SC1-VTOU rates, were computed as described in the Panel's direct testimony.

D. Revenue Forecast

Q. Please describe the corrections and updates to the revenue forecast.

A. The Panel is updating Exhibit ___ (E-RDP-2), Schedules 1-3, which showed the Company's revenue forecast at present rates, to reflect (i) updates to the revenue forecast to reflect the updated sales and customer count forecast presented in the corrections and updates testimony of Company Witness Gredder, (ii) outdoor lighting sales and revenue as well as the inflation rate applicable to certain components of miscellaneous revenue including CSS (Customer Service System) – line extension fees, supervision and administration burdens, miscellaneous third-party billing, distributed generation interconnection fees, and right of way, (iii) the movement of the illustrative estimated ESCO commodity revenues from the calculation of total revenue to a separate column, and (iv) revisions to the surcharges and miscellaneous revenues as further described below.

Exhibit __ (E-RDP-14CU) provides the updated workpapers to the revenue forecast presented in Exhibit __ (E-RDP-2CU).

Q. Please describe the updates to miscellaneous revenues.

A. The Company updated inflation rates that impacted the forecast of several miscellaneous revenue items. The increase in inflation rates led to higher revenue forecasts for the various miscellaneous revenue items noted above. Further, the Company identified two corrections in its response to Information Request No. DPS-625. First, the Company reclassified the rent payments from Stillwater Hydro from the "Plant Leased to Others" to the "Other Misc Electric Rev" category in the miscellaneous revenue forecast. Second, the Company removed lease payments from the Union Falls hydroelectric facility from the "Plant Leased to Others" forecast as this agreement will be terminated prior to the start of the Rate Year. The revised miscellaneous revenue forecast is provided in Exhibit ___ (E-RDP-2CU), Schedule 4.

E. <u>Transmission Revenue Adjustment</u>

Q. Please describe any updates to the forecast of the Wholesale Transmission Revenues.

A. The Company updated the forecast to reflect the updated pre-tax weighted average cost of capital ("WACC") for the revenue associated with the WNY Public Policy Transmission Needs projects. In addition, the Transmission Congestion Contract ("TCC") auction revenues were updated to reflect the retirement of an asset and the resulting revenue associated with the sale of the

related TCCs. The revised Wholesale Transmission Revenue forecast is shown in detail in Exhibit __ (E-RDP-2CU), Schedule 4.

Q. Please describe the Company's proposed revision to the TRA mechanism for the New York AC Transmission Proceeding projects.

A. As described in the corrections and updates testimony of the Revenue Requirements Panel, the proceeds from the lease of land in the New York AC Transmission projects will be amortized into Rent from Electric Property FERC 454 account over the 99-year lease term. The Company proposes to treat land lease payment revenues as transmission revenue subject to the TRA. The TRA mechanism in Rule 43 of the Tariff is the true-up mechanism that compares the monthly forecast of transmission revenues reflected in delivery rates against the actual transmission revenue realized, exclusive of revenue taxes imposed. The difference in forecast versus actual transmission revenues is refunded to, or recovered from, customers via the TRA mechanism depending on the results of that analysis. Currently, "transmission revenue" is defined in Rule 43.2 as "wholesale transmission services, excluding congestion rents from Transmission Congestion Contracts, (TCCs)." The Company proposes to add "and the lease of transmission land in connection with FERC Order 1000 proceedings" to the definition in Rule 43.2 to return the proceeds of the land lease to customers as booked to revenue that are not currently reflected in the

revenue requirements for the current land lease transaction as well as future similar transactions.

Because the exact timing and dollar amount for the land lease payment revenue is uncertain and subject to various regulatory reviews and approvals, the forecast of this revenue is not included in the Company's transmission revenue targets at this time. The Company will, however, pass the monthly amortized revenues through the TRA mechanism as the balances are amortized to revenues over the associated 99-year lease period.

F. <u>Bill Impacts</u>

Q. Did the Company update the monthly bill impacts?

A. Yes. The Company prepared updated monthly bill comparison tables showing the net change to customers' monthly delivery and commodity charges by zone for different levels of usage in Exhibit __ (E-RDP-4CU), Schedule 5 based on the updated revenue requirement. In addition, the Company prepared updated total bill impact tables for Outdoor Lighting customers in Exhibit ___ (E-RDP-8CU), Schedule 13.

As in the Panel's direct testimony, the bill impacts are compared to the rates that will be in effect as of June 30, 2021, which are the Rate Year 4 rates from

the 2017 Electric Rate Case. The table below provides a summary of the updated bill impacts for an average usage customer within each electric service class in the Central zone.

<u>Table 1</u> - Monthly Bill Impacts, Central Zone, One-Year Case

Average Usage Customer	Monthly Usage	Delivery $ Increase	Delivery % Increase	Total Bill $ Increase	Total Bill % Increase
SC-1	600 kWh	$3.72	6.14%	$3.50	4.11%
SC-2ND	450 kWh	$3.53	6.22%	$3.36	4.50%
SC-2D	6,336 kWh 22 kW	$21.90	5.63%	$19.56	3.09%
SC-3 Pri	203,040 kWh 470 kW	$394.12	5.70%	$380.56	2.66%
SC-3A Tran	5,241,600 kWh 9,100 kW 50% on peak	$6,215.46	7.83%	$5,836.55	2.27%

G. <u>Revenue Decoupling Mechanism</u>

Q. Please describe the updates to the RDM.

A. Exhibit __ (E-RDP-9CU) provides updated annual target revenues for each reconciliation group for the RDM reconciliation. The updated targets are per the updated computed distribution revenue for the Rate Year as found in Exhibit ___ (E-RDP-4CU), Schedule 4, page 2.

H. <u>Merchant Function Charge</u>

Q. Please describe the updates to the MFC.

A. Exhibit __ (E-RDP-7CU) provides updated MFC targets to reflect the updated sales forecast provided by Company Witness Gredder, as well as the updated WACC percentage as shown in Exhibit __ (RRP-1CU).

I. Outdoor Lighting

Q. Please describe the corrections and updates to the outdoor lighting.

A. The Panel has several corrections and updates to its outdoor lighting service testimony.

First, the facility data supporting the revenue forecast has been adjusted to reflect the Section 70 petitions filed by the Company, between June 27, 2020 and September 18, 2020, seeking approval to transfer street lighting assets to municipal customers. Specifically, in contemplation that those petitions will be approved by the Commission, the Panel moved the following municipalities' facility quantities from SC 2 (company owned and maintained) to SC 3 (customer owned and maintained): Town of Tonawanda, City of Tonawanda, Village of Lima, Village of Brockport, City of Gloversville, and Town of Salina. The facility quantities and usages provided in Exhibit __ (E-RDP-8CU) reflect the adjustments to the Historic Test Year quantities for the above expected sales. Relatedly, the Company (i) removed the Pricing Exception for the Town of Tonawanda from the Outdoor Lighting Tariff and SC 2 Pricing

Exception rate design previously included in Exhibit __ (E-RDP-8), Schedule 4 and (ii) removed the Village of Brockport's Special Contract's rate design previously included in Exhibit __ (E-RDP-8), Schedule 7.

Second, the outdoor lighting rate design for SC 2, SC 2 Pricing Exceptions, and SC 3 included certain incorrect present facility rates. The corrected present facility rates are shown in Exhibit __ (E-RDP-8CU), Schedules 3, 4, and 5 for SC 2, SC 2 Pricing Exceptions, and SC 3, respectively.

Third, the Panel removed from the Pricing Exception bill impact chart two customer accounts that do not contain Pricing Exception facility rates, which are now correctly reflected in the SC 2 bill impacts. The revised Pricing Exception bill impact chart can be found in Exhibit __ (E-RDP-8CU), Schedule 13, page 4.

Fourth, the Lighting Service Charge for SC-2 and SC-6 in Exhibit __ (E-RDP-8), Schedule 11 has been updated with the revised inflation factor between the Historic Test Year and Rate Year, resulting in an increase in the Lighting Service Charge from $122.80 to $122.83.

Lastly, Exhibit __ (E-RDP-8CU), Schedule 10, has been updated to reflect the revised pre-tax WACC rate used in the calculation of the HID-to-LED ratio within the Replacement Cost Analysis. This increased the HID-to-LED ratio from 52.12 percent to 52.24 percent.

J. <u>Changes to Residential Electric Vehicle Smart Charging Plan</u>

Q. Is the Company revising the proposed rates for the Residential Electric Vehicle Smart Charging Plan?

A. Yes. The rates for the proposed EV Smart Charging Plan are developed based on the Company's SC1 VTOU on-peak and off-peak rates, which are being updated because of the revised revenue requirement. The fixed monthly EV charge for Tier 1 and Tier 2 customers will remain the same as in the Panel's direct testimony. The EV On-peak Charge will be updated from $0.13715 to $0.13728 per kWh. The monthly incremental customer charge of $8.00 per month will remain the same. The calculations of the updated rates are provided in Exhibit ___ (E-RDP-11CU), Schedule 1. An updated illustration of a customer's total charges on either Tier of the program is provided in Exhibit ___ (E-RDP-11CU), Schedule 2.

K. Changes to Tariff Fees, Charges, and Provisions

i. Incremental Customer Charges

Q. Please describe the corrections and updates to the proposed incremental customer charges.

A. The Panel has updated the incremental customer charge associated with customers enrolled in (i) Special Provision L of SC-1, Residential Optional Time of Use Delivery and Commodity Rate and (ii) Special Provision O of SC-2, Non-Demand Optional Time of Use Rate to include both the revised inflation rate between the Historic Test Year and Rate Year, as well as the pre-tax WACC. The change resulted in a decrease of the rate from $3.26 per month to $3.25 per month and is shown in Exhibit __ (E-RDP-6CU), Schedule 4b, Page 3.

Q. Does the Panel propose updates to any other proposed incremental customer charges?

A. Yes, the Panel updated the incremental customer charge associated with customers enrolled in (i) Special Provision P of SC2 Voluntary Hourly Priced Electricity Supply Service for SC2D Customers, (ii) Special Provision L of SC3, Electricity Supply Service for Customers 250 KW or Greater, and (iii) Special Provision N, Voluntary Electricity Supply Service for SC3 Customers Below 250 KW to include both the revised inflation rate between the Historic

Test Year and Rate Year, as well as the pre-tax WACC. The change resulted in an increase of the rate from $23.38 per month to $23.52 per month and is shown in Exhibit __ (E-RDP-6CU), Schedule 4c, Page 5.

ii. Paperless Billing Credit

Q. Has the Company proposed any updates to the Paperless Billing Credit?

A. The Company updated the calculations for the Paperless Billing Credit using the revised inflation factor, but the resulting credit remains as filed in the Company's July 31, 2020 filing. The Company is providing the updated calculations for reference in Exhibit ___ (E-RDP-6CU), Schedule 2, Page 1.

iii. Billing Backout Credit and Billing Charges

Q. Has the Company proposed any updates to the Billing Backout Credit and Billing Charges?

A. Exhibit __ (E-RDP-6CU), Schedule 3 updates the Company's calculation of its Billing Backout Credit and Billing Charges to ESCOs for consolidated billing. Although the calculation shows a billing charge of $0.81, the Company proposes to maintain the proposed $0.80 billing charge to an ESCO that supplies gas to a gas-only customer and $0.40 to an ESCO that supplies gas to a dual gas and electric customer submitted in its July 31, 2020 filing. By doing so, the ESCO billing charge and customer backout credit will be consistent

regardless of whether the customer is a gas-only customer or a dual gas and electric customer.

Table 2 – Revised Proposed ESCO Billing Charge and Backout Credit

Type of Customer	Type of ESCO Service	ESCO Billing Charge	Customer Backout Credit
Electric Only	ESCO Supplies Electric	$0.80	$0.80
Dual Electric & Gas	ESCO Supplies Electric	$0.40	$0.40

L. Marginal Cost of Service Study

Q. Please describe any changes to the Marginal Cost of Service Study.

A. The Marginal Cost of Service Study was updated to reflect the updated revenue requirement (Exhibit __ (RRP-1CU)) and the results of the ECOSS (CU). It is presented in Exhibit __ (E-RDP-10CU).

Q. Please describe any revisions to the EZR and EJP rates.

A. In its direct testimony, the Panel proposed to phase-in the increases of the EZR and EJP rates to mitigate bill impacts on these customers and continue to provide a discount from the proposed standard tariff rates. The Panel updated this five-year phase-in proposal using the updated proposed standard tariff rates and the updated marginal costs. The updated five-year phase-in proposal is

provided in Exhibit __ (E-RDP-10CU), Schedule 8, page 1 for EJP and page 2 for EZR.

M. Earnings Adjustment Mechanism (EAM)

Q. Please describe any adjustments to the Earnings Adjustment Mechanism.

A. As described in the Customer Energy Panel's corrections and updates testimony, the Company is proposing a two-component Make-Ready Share the Savings ("MR STS") metric to the Company's Electric EAM Portfolio. For the calculation of the EAM Surcharge, the Company proposes to allocate the new MR STS components using the Energy Allocator. Once approved, the Panel will modify the Electric Tariff accordingly to introduce the new MR STS metric.

N. Other Corrections and Updates

Q. Are there any other corrections and updates?

A. Yes, as explained in the Company's response to Information Request No. DPS-334, the Company proposed to update the customer charges for all service classifications except SC 2ND. The Panel's direct testimony incorrectly stated that the customer charges for all service classifications were unchanged.

III. Conclusion

Q. Does this conclude your testimony?

A. Yes, it does.

List of Exhibits

- Exhibit ___ (E-RDP-2CU) – Revenue Forecast
- Exhibit ___ (E-RDP-3CU) – Embedded Cost of Service Study
- Exhibit ___ (E-RDP-4CU) – Proposed Revenue Allocation, Rate Design and Customer Bill Impacts
- Exhibit ___ (E-RDP-5CU) – SC-7 Rate Design
- Exhibit ___ (E-RDP-6CU) – Proposed Tariff Fees
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- Exhibit ___ (E-RDP-8CU) – Revenue Allocation, Rate Design, and Development of Target Revenue per Lighting Class
- Exhibit ___ (E-RDP-9CU) – Revenue Decoupling Mechanism – Annual Revenue Targets
- Exhibit ___ (E-RDP-10CU) – Marginal Cost Study
- Exhibit ___ (E-RDP-11CU) – Residential Electric Vehicle Smart Charging Plan
- Exhibit ___ (E-RDP-14CU) – Workpapers
- Appendix A – Company's Responses to Relevant Information Requests

Electric Rate Design Panel

Exhibit __ (E-RDP-2CU)

Rate Year Electric Revenue Forecast

Schedule 1

Rate Year Ending June 30, 2022

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Electric Revenue Forecast
Rate Year Ending June 30, 2022

Line	Service Classification	1 Bills	2 kWh	3 kW	4 Base Delivery Revenue	5 Legacy Transition Charge	6 New Hedge Adjustment	7 NYPA Hydro Reconciliation Credit	8 Commodity Revenue	9 (5+6+7+8) Total Commodity Revenues	10 Gross Revenue Taxes	11 (4+9+10) Revenue
1	SC1 Residential and Farm Service	18,135,032	11,190,775,994	-	$995,744,916	$25,038,565	$11,508,033	($8,735,762)	$351,915,582	$ 379,726,417	$25,720,765	$ 1,401,192,097.99
2	SC1C Residential and Farm Service - Time of Use	63,142	283,235,157	-	$11,790,489	$633,720	$ -	($221,100)	$5,742,601	$ 6,155,220	$340,960	$ 18,286,669.49
3	SC2ND Small General Service	1,422,074	621,728,606	-	$71,821,383	$1,403,064	$624,777	$ -	$15,113,775	$ 17,141,615	$925,222	$ 89,888,220.64
4	SC2D Small General Service - Demand	592,744	3,839,927,054	12,801,268	$190,378,674	$8,677,212	$ -	$ -	$58,124,065	$ 66,801,277	$2,818,979	$ 259,998,930.50
5	SC3 Large General	55,619	6,045,413,025	14,979,025	$178,878,960	$14,235,380	$ -	$ -	$36,342,778	$ 50,578,159	$2,731,780	$ 232,188,898.27
6	SC3A Large General - Time of Use	2,846	6,293,967,191	11,466,821	$65,848,969	$16,263,026	$ -	$ -	$31,172,289	$ 47,435,315	$1,709,008	$114,993,292
7	Subtotal	20,271,457	28,275,047,027	39,247,114	$ 1,514,463,392	$ 66,250,967	$ 12,132,809	$ (8,956,862)	$ 498,411,089	$ 567,838,003	$ 34,246,714	$ 2,116,548,109
8												
9	Preservation Power (PP)	-	17,211,949	36,462	$173,649	$ -	$ -	$ -	$ -	$ -	$ -	$ 173,649
10	Replacement & Expansion (R&E)	-	2,488,863,282	4,374,352	$17,983,658	$ -	$ -	$ -	$ -	$ -	$ -	$ 17,983,658
11	Fitzpower Patrick	-	101,904,515	166,540	$564,569	$ -	$ -	$ -	$ -	$ -	$ -	$ 564,569
12	St. Lawrence Power	-	-	-	$0	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	Recharge New York (RNY)	-	1,126,039,883	2,293,105	$12,755,966	$ -	$ -	$ -	$ -	$ -	$ -	$ 12,755,966
14	Subtotal	-	3,734,019,629	6,870,458	$ 31,477,842	$ -	$ -	$ -	$ -	$ -	$ -	$ 31,477,842
15												
16	Total PSC 220	20,271,457	32,009,066,656	46,117,572	$ 1,545,941,234	$ 66,250,967	$ 12,132,809	$ (8,956,862)	$ 498,411,089	$ 567,838,003	$ 34,246,714	$ 2,148,025,951
17												
18	Street Lighting - Total PSC No. 214	131,467	185,454,001	-	$43,491,489	$438,519	$ -	$ -	$2,252,868	$ 2,691,387	$477,038	$ 46,659,913.17
19												
20	Revenue Decoupling Mechanism	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
21												
22	Other Retail Revenues											
23	SBC	-	-	-	$ 155,047,437	$ -	$ -	$ -	$ -	$ -	$ -	$ 155,047,437
24	Queensbury Underground Revenue	-	-	-	$ 347,353	$ -	$ -	$ -	$ -	$ -	$ -	$ 347,353
25	ESCO Commodity	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
26	EZR Discounts	-	-	-	$ (1,670,000)	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,670,000)
27	EJP Discounts	-	-	-	$ (395,000)	$ -	$ -	$ -	$ -	$ -	$ -	$ (395,000)
28	SC11/12 Discounts	-	-	-	$0	$ -	$ -	$ -	$ -	$ -	$ -	$ -
29	MFC	-	-	-	$ 17,744,421	$ -	$ -	$ -	$ -	$ -	$ -	$ 17,744,421
30	SC7 Discount	-	-	-	($77,598)	$ -	$ -	$ -	$ -	$ -	$ -	$ (77,598)
31	DLM Surcharge	-	-	-	$3,391,665	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,391,665
32	Transformer Credit	-	-	-	($280,635)	$ -	$ -	$ -	$ -	$ -	$ -	$ (280,635)
33	Special L Revenues	-	-	-	$ 1,154,124	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,154,124
34	Consolidated Billing Credits	-	-	-	$ (2,513,867)	$ -	$ -	$ -	$ -	$ -	$ -	$ (2,513,867)
35	Total Other Revenues	-	-	-	$ 172,747,900	$ -	$ -	$ -	$ -	$ -	$ -	$ 172,747,900
36												
37	**Retail Revenues**	**20,402,924**	**32,194,520,657**	**46,117,572**	**$ 1,762,180,622**	**$ 66,689,486**	**$ 12,132,809**	**$ (8,956,862)**	**$ 500,663,957**	**$ 570,529,390**	**$ 34,723,752**	**$ 2,367,433,765**
38	Miscellaneous Revenues											
39	Wholesale Transmission	-	-	-	$ 216,182,439	$ -	$ -	$ -	$ -	$ -	$ -	$ 216,182,439
40	Late Payment Charges	-	-	-	$ 13,553,107	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,553,107
41	Rent from Electric Property	-	-	-	$ 17,967,088	$ -	$ -	$ -	$ -	$ -	$ -	$ 17,967,088
42	Sales for Resale	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
43	Plant Leased to Others	-	-	-	$ 2,017,023	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,017,023
44	CSS Billing Fees	-	-	-	$ 2,541,776	$ -	$ -	$ -	$ -	$ -	$ 20,494	$ 2,562,270
45	Open Access Revenues	-	-	-	$ 1,555,206	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,555,206
76	Other Misc Electric Revenue	-	-	-	$ 42,778,899	$ -	$ -	$ -	$ -	$ -	$ -	$ 42,778,899
77	Other Electric Revenue Subtotal				$ 296,595,539	$ -	$ -	$ -	$ -	$ -	$ 20,494	$ 296,616,033
78												
79	Total Revenues Rate Year Ended March 31, 2022	20,402,924	32,194,520,657	46,117,572.0	$ 2,058,776,161	$ 66,689,486	$ 12,132,809	$ (8,956,862)	$ 500,663,957	$ 570,529,390	$ 34,744,246	**$ 2,664,049,798**

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

Exhibit_____(E-RDP-2CU)
Schedule 1
Corrections and Updates
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Electric Rate Design Panel

Exhibit __ (E-RDP-2CU)

Rate Year Electric Revenue Forecast

Schedule 2

Data year 1-Rate Year Ending June 30, 2023

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Electric Revenue Forecast
Rate Year Ending June 30, 2023

Line	Service Classification	1 Bills	2 kWh	3 kW	4 Base Delivery Revenue	5 Legacy Transition Charge	6 New Hedge Adjustment	7 NYPA Hydro Reconciliation Credit	8 Commodity Revenue	9 (5+6+7+8) Total Commodity Revenues	10 Gross Revenue Taxes	12 (4+9+10) Revenue
1	SC1 Residential and Farm Service	18,178,166	11,170,745,190	-	$995,247,698	$24,691,440	$5,235,868	($155,567)	$371,705,472	$ 401,477,212	$25,981,391	$ 1,422,706,301.03
2	SC1C Residential and Farm Service - Time of Use	63,292	282,728,717	-	$11,777,301	$624,935	$ -	($3,938)	$6,024,928	$ 6,645,926	$346,867	$ 18,770,094.30
3	SC2ND Small General Service	1,429,153	626,114,679	-	$72,265,974	$1,395,548	$364,326	$ -	$16,115,424	$ 17,875,299	$936,737	$ 91,078,009.28
4	SC2D Small General Service - Demand	595,677	3,867,512,125	12,893,226	$191,676,703	$8,631,713	$ -	$ -	$62,298,732	$ 70,930,445	$2,869,280	$ 265,476,428.34
5	SC3 Large General	55,813	6,081,602,664	15,068,705	$179,888,529	$14,138,056	$ -	$ -	$38,672,215	$ 52,810,271	$2,756,555	$ 235,455,355.06
6	SC3A Large General - Time of Use	2,835	6,301,765,066	11,482,126	$65,888,547	$16,069,069	$ -	$ -	$32,170,587	$ 48,239,655	$1,707,452	$115,835,654
7	Subtotal	20,324,936	28,330,468,440	39,444,057	$ 1,516,744,753	$ 65,550,761	$ 5,600,194	$ (159,505)	$ 526,987,357	$ 597,978,808	$ 34,598,282	$ 2,149,321,842
8												
9	Preservation Power (PP)	-	17,187,167	36,410	$173,399	$ -	$ -	$ -	$ -	$ -	$0	$ 173,399
10	Replacement & Expansion (R&E)	-	2,485,279,768	4,368,053	$17,957,764	$ -	$ -	$ -	$ -	$ -	$0	$ 17,957,764
11	Fitzpower Patrick	-	101,757,791	166,300	$563,756	$ -	$ -	$ -	$ -	$ -	$ -	$ 563,756
12	St. Lawrence Power	-	-	-	$0	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	Recharge New York (RNY)	-	1,124,418,588	2,289,803	$12,737,600	$ -	$ -	$ -	$0	$ -	$ -	$ 12,737,600
14	Subtotal	-	3,728,643,314	6,860,566	$ 31,432,520	$ -	$ -	$ -	$ -	$ -	$ -	$ 31,432,520
15												
16	Total PSC 220	20,324,936	32,059,111,754	46,304,623	$ 1,548,177,273	$ 65,550,761	$ 5,600,194	$ (159,505)	$ 526,987,357	$ 597,978,808	$ 34,598,282	$ 2,180,754,362
17												
18	Street Lighting - Total PSC No. 214	131,467	185,454,001	-	$43,491,489	$432,314	$ -	$ -	$2,347,014	$ 2,779,329	$477,622	$ 46,748,439.66
19												
20	Revenue Decoupling Mechanism	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
21												
22	Other Retail Revenues											
23	SBC	-	-	-	$ 150,629,092	$ -	$ -	$ -	$ -	$ -	$ -	$ 150,629,092
24	Queensbury Underground Revenue	-	-	-	$ 347,353	$ -	$ -	$ -	$ -	$ -	$ -	$ 347,353
25	ESCO Commodity	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
26	EZR Discounts	-	-	-	$ (1,600,000)	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,600,000)
27	EJP Discounts	-	-	-	$ (500,000)	$ -	$ -	$ -	$ -	$ -	$ -	$ (500,000)
28	SC11/12 Discounts	-	-	-	$0	$ -	$ -	$ -	$ -	$ -	$ -	$ -
29	MFC	-	-	-	$ 18,472,476	$ -	$ -	$ -	$ -	$ -	$ -	$ 18,472,476
30	SC7 Discount	-	-	-	($77,598)	$ -	$ -	$ -	$ -	$ -	$ -	$ (77,598)
31	DLM Surcharge	-	-	-	$3,463,200	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,463,200
32	Transformer Credit	-	-	-	($280,635)	$ -	$ -	$ -	$ -	$ -	$ -	$ (280,635)
33	Special L Revenues	-	-	-	$ 1,154,124	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,154,124
34	Consolidated Billing Credits	-	-	-	$ (2,513,867)	$ -	$ -	$ -	$ -	$ -	$ -	$ (2,513,867)
35	Total Other Revenues	-	-	-	$ 169,094,145	$ -	$ -	$ -	$ -	$ -	$ -	$ 169,094,145
36												
37	**Retail Revenues**	**20,456,403**	**32,244,565,756**	**46,304,623**	**$ 1,760,762,906**	**$ 65,983,075**	**$ 5,600,194**	**$ (159,505)**	**$ 529,334,372**	**$ 600,758,136**	**$ 35,075,904**	**$ 2,396,596,946**
38	Miscellaneous Revenues											
39	Wholesale Transmission	-	-	-	$ 216,620,592	$ -	$ -	$ -	$ -	$ -	$ -	$ 216,620,592
40	Late Payment Charges	-	-	-	$ 13,719,849	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,719,849
41	Rent from Electric Property	-	-	-	$ 17,642,411	$ -	$ -	$ -	$ -	$ -	$ -	$ 17,642,411
42	Sales for Resale	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
43	Plant Leased to Others	-	-	-	$ 2,034,514	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,034,514
44	CSS Billing Fees	-	-	-	$ 2,547,629	$ -	$ -	$ -	$ -	$ -	$ 20,494	$ 2,568,123
45	Open Access Revenues	-	-	-	$ 1,574,149	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,574,149
76	Other Misc Electric Revenue	-	-	-	$ 44,409,299	$ -	$ -	$ -	$ -	$ -	$ -	$ 44,409,299
77	Other Electric Revenue Subtotal				$ 298,548,443	$ -	$ -	$ -	$ -	$ -	$ 20,494	$ 298,568,938
78												
79	Total Revenues Rate Year Ended March 31, 2022	20,456,403	32,244,565,756	46,304,623.3	$ 2,059,311,350	$ 65,983,075	$ 5,600,194	$ (159,505)	$ 529,334,372	$ 600,758,136	$ 35,096,398	**$ 2,695,165,884**

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

Exhibit_____(E-RDP-2CU)
Schedule 2
Corrections and Updates
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Electric Rate Design Panel

Exhibit __ (E-RDP-2CU)

Rate Year Electric Revenue Forecast

Schedule 3

Data year 2-Rate Year Ending June 30, 2024

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Electric Revenue Forecast
Rate Year Ending June 30, 2024

Line	Service Classification	1 Bills	2 kWh	3 kW	4 Base Delivery Revenue	5 Legacy Transition Charge	6 New Hedge Adjustment	7 NYPA Hydro Reconciliation Credit	8 Commodity Revenue	9 (5+6+7+8) Total Commodity Revenues	10 Gross Revenue Taxes	12 (4+9+10) Revenue
1	SC1 Residential and Farm Service	18,227,363	11,099,759,119	-	$ 991,723,367	$ 22,410,938	$ 2,451,380	$ (10,416,722)	$ 414,730,614	$ 429,176,210	$ 26,025,502	$ 1,446,925,079.01
2	SC1C Residential and Farm Service - Time of Use	63,463	280,932,181	-	$ 11,719,670	$ 567,216	$ -	$ (263,645)	$ 6,693,304	$ 6,996,875	$ 344,964	$ 19,061,508.66
3	SC2ND Small General Service	1,435,958	623,254,637	-	$ 72,216,125	$ 1,271,061	$ 209,942	$ -	$ 18,010,115	$ 19,491,118	$ 953,136	$ 92,660,378.57
4	SC2D Small General Service - Demand	598,491	3,849,424,757	12,832,925	$ 191,074,336	$ 7,859,853	$ -	$ -	$ 69,788,984	$ 77,648,837	$ 2,923,948	$ 271,647,120.52
5	SC3 Large General	55,995	6,048,466,618	14,986,609	$ 179,136,460	$ 12,862,449	$ -	$ -	$ 43,023,586	$ 55,886,035	$ 2,767,689	$ 237,790,184.56
6	SC3A Large General - Time of Use	2,824	6,248,095,209	11,385,052	$ 65,373,990	$ 14,577,752	$ -	$ -	$ 34,522,203	$ 49,099,955	$ 1,696,706	$ 116,170,652
7	Subtotal	20,384,093	28,149,932,521	39,204,586	$ 1,511,243,948	$ 59,549,269	$ 2,661,322	$ (10,680,368)	$ 586,768,806	$ 638,299,030	$ 34,711,945	$ 2,184,254,923
8												
9	Preservation Power (PP)	-	17,010,815	36,036	$ 171,620	$ -	$ -	$ -	$ -	$ -	$ -	$ 171,620
10	Replacement & Expansion (R&E)	-	2,459,779,018	4,323,234	$ 17,773,505	$ -	$ -	$ -	$ -	$ -	$ -	$ 17,773,505
11	Fitzpower Patrick	-	100,713,683	164,593	$ 557,972	$ -	$ -	$ -	$ -	$ -	$ -	$ 557,972
12	St. Lawrence Power	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	Recharge New York (RNY)	-	1,112,881,248	2,266,308	12,606,903	$ -	$ -	$ -	$ -	$ -	$ -	$ 12,606,903
14	Subtotal	-	3,690,384,764	6,790,172	$ 31,110,000	$ -	$ -	$ -	$ -	$ -	$ -	$ 31,110,000
15												
16	Total PSC 220	20,384,093	31,840,317,285	45,994,758	$ 1,542,353,947	$ 59,549,269	$ 2,661,322	$ (10,680,368)	$ 586,768,806	$ 638,299,030	$ 34,711,945	$ 2,215,364,923
17												
18	Street Lighting - Total PSC No. 214	131,467	185,454,001	-	$ 43,491,488.67	$ 390,664.00	$ -	$ -	$2,470,125.77	$ 2,860,789.78	$ 478,127.82	$ 46,830,406.27
19												
20	Revenue Decoupling Mechanism	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
21												
22	Other Retail Revenues											
23	SBC	-	-	-	$ 144,744,047	$ -	$ -	$ -	$ -	$ -	$ -	$ 144,744,047
24	Queensbury Underground Revenue	-	-	-	$ 347,353	$ -	$ -	$ -	$ -	$ -	$ -	$ 347,353
25	ESCO Commodity	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
26	EZR Discounts	-	-	-	$ (200,000)	$ -	$ -	$ -	$ -	$ -	$ -	$ (200,000)
27	EJP Discounts	-	-	-	$ (1,425,000)	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,425,000)
28	SC11/12 Discounts	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
29	MFC	-	-	-	$ 19,908,872	$ -	$ -	$ -	$ -	$ -	$ -	$ 19,908,872
30	SC7 Discount	-	-	-	$ (77,598)	$ -	$ -	$ -	$ -	$ -	$ -	$ (77,598)
31	DLM Surcharge	-	-	-	$ 3,542,152	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,542,152
32	Transformer Credit	-	-	-	$ (280,635)	$ -	$ -	$ -	$ -	$ -	$ -	$ (280,635)
33	Special L Revenues	-	-	-	$ 1,154,124	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,154,124
34	Consolidated Billing Credits	-	-	-	$ (2,513,867)	$ -	$ -	$ -	$ -	$ -	$ -	$ (2,513,867)
35	Total Other Revenues	-	-	-	$ 165,199,448	$ -	$ -	$ -	$ -	$ -	$ -	$ 165,199,448
36												
37	**Retail Revenues**	**20,515,560**	**32,025,771,286**	**45,994,758**	**$ 1,751,044,884**	**$ 59,939,933**	**$ 2,661,322**	**$ (10,680,368)**	**$ 589,238,932**	**$ 641,159,820**	**$ 35,190,073**	**$ 2,427,394,776**
38	Miscellaneous Revenues											
39	Wholesale Transmission	-	-	-	$ 220,069,454	$ -	$ -	$ -	$ -	$ -	$ -	$ 220,069,454
40	Late Payment Charges	-	-	-	$ 13,892,986	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,892,986
41	Rent from Electric Property	-	-	-	$ 17,637,358	$ -	$ -	$ -	$ -	$ -	$ -	$ 17,637,358
42	Sales for Resale	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
43	Plant Leased to Others	-	-	-	$ 2,058,088	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,058,088
44	CSS Billing Fees	-	-	-	$ 2,553,911	$ -	$ -	$ -	$ -	$ -	$ 20,494	$ 2,574,406
45	Open Access Revenues	-	-	-	$ 1,593,368	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,593,368
76	Other Misc Electric Revenue	-	-	-	$ 46,060,917	$ -	$ -	$ -	$ -	$ -	$ -	$ 46,060,917
77	Other Electric Revenue Subtotal				$ 303,866,081	$ -	$ -	$ -	$ -	$ -	$ 20,494	$ 303,886,576
78												
79	Total Revenues Rate Year Ended March 31, 2022	20,515,560	32,025,771,286	45,994,758.2	$ 2,054,910,965	$ 59,939,933	$ 2,661,322	$ (10,680,368)	$ 589,238,932	$ 641,159,820	$ 35,210,567	**$ 2,731,281,352**

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

Exhibit_____(E-RDP-2CU)
Schedule 3
Corrections and Updates
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Electric Rate Design Panel

Exhibit __ (E-RDP-2CU)

Rate Year Electric Revenue Forecast

Schedule 4

Electric Miscellaneous Revenues

Niagara Mohawk Power Corporation d/b/a National Grid
Miscellaneous Revenue Summary
Historic Test Year Ending December 31, 2019, Rate Year Ending June 30, 2022 and Data Years Ending June 30, 2023 and 2024.

Lines	Description	Page No. / Method of Forecast	Test Year 12-Mths Ending Dec 31, 2019	Normalized Adjustments	AdjustedTest Year 12-Mths Ending Dec 31, 2019	Normalized Adjustments	Rate Year 12-Mths Ending June 30, 2022	Normalized Adjustments	Data Year 12-Mths Ending June 30, 2023	Normalized Adjustments	Data Year 12-Mths Ending June 30, 2024
1	Revenue - Wholesale Transmission Revenues										
2	Transmission Wholesale Revenues	Page 2	$ 185,696,000	$ -	$ 185,696,000	$ 30,486,439	$ 216,182,439	$ 438,153	$ 216,620,592	$ 3,448,862	$ 220,069,454
3	TRAC Surcharge / (Refund) - Deferral	N/A	$ 30,208,162		$ 30,208,162	$ (30,208,162)	$ -	$ -	$ -	$ -	$ -
4	Transmission Wholesale Revenues		$ 215,904,162	$ -	$ 215,904,162	$ -	$ 216,182,439	$ 438,153	$ 216,620,592	$ 3,448,862	$ 220,069,454
5											
6											
7	Revenue - Late Payment Charges										
8	Late Payment Charges	Page 3	$ 12,561,381	$ (2,170)	$ 12,559,211	$ 993,896	$ 13,553,107	$ 166,741	$ 13,719,849	$ 173,137	$ 13,892,986
9	Subtotal - Late Payment Charges		$ 12,561,381	$ (2,170)	$ 12,559,211	$ 993,896	$ 13,553,107	$ 166,741	$ 13,719,849	$ 173,137	$ 13,892,986
10											
11											
12	Revenue - Rent from Electric Property										
13	Verizon	Fixed	$ 3,514,571	$ -	$ 3,514,571	$ 16,662	$ 3,531,233	$ -	$ 3,531,233	$ -	$ 3,531,233
14	Pole Attachments	Fixed	$ 9,128,259	$ -	$ 9,128,259	$ 2,677,610	$ 11,805,869	$ 151,579	$ 11,957,448	$ 170,644	$ 12,128,092
15	Tower Attachments	Fixed	$ 1,106,010	$ -	$ 1,106,010	$ 643,553	$ 1,749,563	$ (476,256)	$ 1,273,307	$ (175,698)	$ 1,097,609
16	Underground Conduit	Fixed	$ 871,168	$ -	$ 871,168	$ 1,054	$ 872,222	$ -	$ 872,222	$ -	$ 872,222
17	Other Miscellaneous Revenues	Fixed	$ 8,201	$ -	$ 8,201	$ -	$ 8,201	$ -	$ 8,201	$ -	$ 8,201
18	Subtotal - Rent from Electric Property		$ 14,628,209	$ -	$ 14,628,209	$ 3,338,879	$ 17,967,088	$ (324,677)	$ 17,642,411	$ (5,054)	$ 17,637,358
19											
20	Revenue - Sales for Resale										
21	Sales for Resale	N/A	$ 497,618		$ 497,618		$ -		$ -		$ -
22	Subtotal - Sales for Resale		$ 497,618		$ 497,618		$ -		$ -		$ -
23											
24	Revenue - Plant Leased to Others										
25	PPA # 862 - South Glens Falls (Boralex)	Per Contract	$ 1,731,885	$ -	$ 1,731,885	$ 38,394	$ 1,770,279	$ -	$ 1,770,279	$ -	$ 1,770,279
26	PPA 863 - Hudson Falls (Boralex)	Per Contract	$ 124,751	$ -	$ 124,751	$ 23,465	$ 148,216	$ 13,340	$ 161,556	$ 14,540	$ 176,096
27	PPA# 548 - Middle Falls (Boralex)	Per Contract	$ 100,623	$ 60	$ 100,683	$ (2,305)	$ 98,378	$ 4,151	$ 102,529	$ 9,034	$ 111,563
28	PPA429 - Union Falls (KEI)	Per Contract	$ 359,171	$ (359,171)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
29	PPA# 845 E - Diamond (Enel)	Per Contract	$ 750	$ (600)	$ 150	$ -	$ 150	$ -	$ 150	$ -	$ 150
30	PPA# 845F - Theresa (Enel)	Per Contract	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
31	Stillwater Hydro PPA# 617	Per Contract	$ 21,840	$ (21,840)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
32	Subtotal - Plant Leased to Others		$ 2,339,020	$ (381,551)	$ 1,957,469	$ 59,554	$ 2,017,023	$ 17,491	$ 2,034,514	$ 23,574	$ 2,058,088
33											
34	Revenue - CSS Billing Fees										
35	CSS - Credit Adjustment (Non-Service)	N/A	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
36	CSS - Reconnection Charge	HTY	$ 2,290,268	$ -	$ 2,290,268	$ -	$ 2,290,268	$ -	$ 2,290,268	$ -	$ 2,290,268
37	CSS - Line Extension Fees	Inflation	$ 243,796	$ -	$ 243,796	$ 7,712	$ 251,508	$ 5,853	$ 257,361	$ 6,283	$ 263,644
38	CSS - Reconnection Charge GRT	Inflation	$ 20,494	$ -	$ 20,494	$ -	$ 20,494	$ -	$ 20,494	$ -	$ 20,494
39	CSS - Misc Billing fees		$ 422,035	$ -	$ 422,035	$ (422,035)	$ -	$ -	$ -	$ -	$ -
40	Subtotal - CSS Billing Fees		$ 2,976,593		$ 2,976,593	$ (414,323)	$ 2,562,270	$ 5,853	$ 2,568,123	$ 6,283	$ 2,574,406
41											
42	Revenue - Open Access Revenues										
43	CNP	Escalator	$ 37,042	$ (0)	$ 37,042	$ 763	$ 37,805	$ 387	$ 38,192	$ 391	$ 38,583
44	AHDC-S. Glenn Falls	Fixed	$ 2,523	$ 177	$ 2,700	$ -	$ 2,700	$ -	$ 2,700	$ -	$ 2,700
45	American Ref-Fuel	Fixed	$ 24,074	$ 1,926	$ 26,000	$ -	$ 26,000	$ -	$ 26,000	$ -	$ 26,000
46	Brookfield Renew Powe	Fixed	$ 22,952	$ 6	$ 22,958	$ -	$ 22,958	$ -	$ 22,958	$ -	$ 22,958
47	Carthage Energy LLC	Fixed	$ 5,681	$ 455	$ 6,136	$ -	$ 6,136	$ -	$ 6,136	$ -	$ 6,136
48	Copenhagen Associates	Escalator	$ 19,557	$ (0)	$ 19,557	$ 1,191	$ 20,748	$ 622	$ 21,370	$ 641	$ 22,011
49	City of Oswego	Fixed	$ 6,200	$ -	$ 6,200	$ -	$ 6,200	$ -	$ 6,200	$ -	$ 6,200
50	City of Salamanca	Fixed	$ 2,400	$ -	$ 2,400	$ -	$ 2,400	$ -	$ 2,400	$ -	$ 2,400
51	Hydro Development Grou	Escalator	$ 150	$ 26,689	$ 26,839	$ 690	$ 27,529	$ 352	$ 27,881	$ 356	$ 28,238
52	Indeck Olean	Fixed	$ 29,092	$ (18,367)	$ 10,725	$ (10,725)	$ -	$ -	$ -	$ -	$ -
53	Lyonsdale	Fixed	$ 2,430	$ -	$ 2,430	$ -	$ 2,430	$ -	$ 2,430	$ -	$ 2,430
54	Lake Colby	Fixed	$ -	$ 4,096	$ 4,096	$ -	$ 4,096	$ -	$ 4,096	$ -	$ 4,096
55	Rensselaer Cogeneration Project	Fixed	$ 100,933	$ 8,075	$ 109,008	$ -	$ 109,008	$ -	$ 109,008	$ -	$ 109,008
56	Marcy Facts	Fixed	$ 110,693	$ (8,243)	$ 102,450	$ 2,773	$ 105,223	$ 1,414	$ 106,637	$ 1,433	$ 108,070
57	Northern Electric Power	Fixed	$ 8,411	$ 589	$ 9,000	$ -	$ 9,000	$ -	$ 9,000	$ -	$ 9,000
58	Nine Mile Point Unit 1*	Escalator	$ 20,757	$ 0	$ 20,757	$ (8,691)	$ 12,066	$ 362	$ 12,428	$ 373	$ 12,801
59	Nine Mile Point Unit 2*	Escalator	$ 20,757	$ 0	$ 20,757	$ (8,691)	$ 12,066	$ 362	$ 12,428	$ 373	$ 12,801
60	Delaware County Cooperative, Inc.	Escalator	$ 2,882	$ (2,146)	$ 737	$ 22	$ 759	$ 11	$ 770	$ 12	$ 782
61	Ball Hill Wind	Estimate	$ -	$ -	$ -	$ 522,698	$ 522,698	$ 7,026	$ 529,724	$ 7,120	$ 536,845
62	Cassadaga Wind	Estimate	$ -	$ -	$ -	$ 217,992	$ 217,992	$ 2,930	$ 220,923	$ 2,970	$ 223,892
63	Cedar Rapids	Estimate	$ -	$ -	$ -	$ 407,392	$ 407,392	$ 5,476	$ 412,868	$ 5,550	$ 418,417
64	Subtotal - Open Access Revenues		$ 416,535	$ 13,255	$ 429,791	$ 1,125,415	$ 1,555,206	$ 18,943	$ 1,574,149	$ 19,219	$ 1,593,368
65											
66	Revenue - Other Miscellaneous Revenues										
67	One Bill Billing Fee	HTY	$ 2,514,315	$ -	$ 2,514,315	$ -	$ 2,514,315	$ -	$ 2,514,315	$ -	$ 2,514,315
68	NYPA Recharge NY	N/A	$ 12,462,000	$ -	$ 12,462,000	$ (12,462,000)	$ -	$ -	$ -	$ -	$ -
69	S&A Burdens	Inflation	$ 7,306,064	$ 1,108,409	$ 8,414,473	$ 266,184	$ 8,680,657	$ 201,998	$ 8,882,655	$ 216,839	$ 9,099,494
70	Watertown Special Contract	Fixed	$ 24,024	$ -	$ 24,024	$ -	$ 24,024	$ -	$ 24,024	$ -	$ 24,024
71	Misc Third Party Billings	Inflation	$ 11,727,446	$ -	$ 11,727,446	$ 370,987	$ 12,098,433	$ 281,529	$ 12,379,962	$ 302,214	$ 12,682,176
72	Revenues from Affiliates	Page 13	$ -	$ -	$ -	$ 60,733	$ 60,733	$ 12,387	$ 73,120	$ 9,173	$ 82,293
73				$ -		$ -	$ -	$ -	$ -	$ -	$ -
74	Residential Solar Marketplace	Page 6	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
75	DG Interconnection Fees	Inflation	$ 16,680,334	$ -	$ 16,680,334	$ 527,668	$ 17,208,001	$ 400,428	$ 17,608,430	$ 429,848	$ 18,038,278
76	Unbilled Revenues	N/A	$ 10,622,095	$ -	$ 10,622,095	$ (10,622,095)	$ -	$ -	$ -	$ -	$ -
77	Property Tax	N/A		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
78	Property Tax Reclass	N/A		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
79	Right of Way	Inflation	$ 1,402,955	$ -	$ 1,402,955	$ 44,381	$ 1,447,336	$ 33,679	$ 1,481,015	$ 36,154	$ 1,517,169
80				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
81				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
82				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
83				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
84				$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
85	Clean Transportation - EV	Fixed	$ -	$ -	$ -	$ -	$ 728,323	$ 700,378	$ 1,428,701	$ 657,389	$ 2,086,091
86	Accounting Adjustments, Deferrals and Other	N/A	$ 111,370,096	$ 17,077	$ 111,387,173	$ (111,370,096)	$ 17,077	$ -	$ 17,077	$ -	$ 17,077
87	Subtotal - Other Miscellaneous Revenues		$ 174,109,328	$ 1,125,486	$ 175,234,814	$ (133,184,237)	$ 42,778,899	$ 1,630,400	$ 44,409,299	$ 1,651,617	$ 46,060,917
88											
89	Total Miscellaneous Revenues		$ 423,432,847		$ 424,187,867		$ 296,616,033	$ 1,952,904	$ 298,568,938	$ 5,317,638	$ 303,886,576

Niagara Mohawk Power Corporation d/b/a National Grid
Wholesale Revenue Summary
Historic Test Year Ending December 31, 2019, Rate Year Ending June 30, 2022 and Data Years Ending June 30, 2023 and 2024.

Lines	Revenue Components:			Test Year Ending Dec 31, 2019	Normalized Adjustments	Rate Year Ending 2022	Normalized Adjustments	Rate Year Ending 2023	Normalized Adjustments	Rate Year Ending 2024
	Tx Wholesale Rev									
1			Grandfathered Wheeling	$ 19,497.8	$ (5,584.3)	$ 13,913.5	$ -	$ 13,913.5	$ -	$ 13,913.5
2		456171	Regional transmission service	$ 20,607.1	$ -	$ 20,607.1	$ -	$ 20,607.1	$ -	$ 20,607.1
3		456174	TCC congestion revenue	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4		456175	Congestion balancing settlement	$ (17,718.2)	$ -	$ (17,718.2)	$ -	$ (17,718.2)	$ -	$ (17,718.2)
5		456176	TCC auction revenue	$ 193,517.4	$ 6,300.7	$ 199,380.0	$ 438.2	$ 199,818.2	$ 865.0	$ 200,683.2
6			Energy Highway	$ -	$ -	$ -	$ -	$ -	$ -	$ -
7			WNY FC	$ -	$ -	$ -	$ -	$ -	$ 2,583.8	$ 2,583.8
8		Total		$ 215,904.2	$ 716.4	$ 216,182.4	$ 438.2	$ 216,620.6	$ 3,448.9	$ 220,069.5
	Total wholesale Tx Revenue									
9		TRAC Base		$ 185,696.0	$ 30,486.4	$ 216,182.4	$ 438.2	$ 216,620.6	$ 3,448.9	$ 220,069.5
	TRAC Surcharge /(Refund)									
10		TRAC Refund included in Retail Rates		$ 30,208.2	$ (30,208.2)	$ -	$ -	$ -	$ (0.0)	$ -

Line 1 Page 3 & Page 4, Sum(Line 1 to Line 15)
Line 2 Page 3 & Page 4, Sum(Line 16 + Line 17)
Line 3 Page 3 & Page 4, Line 20
Line 4 Page 3 & Page 4, Line 21
Line 5 Page 3 & Page 4, Line 18
Line 6
Line 7
Line 8 Total (Line 1 to Line 7)
Line 9 Trac base amount per PSC No. 220 Electricity Tariff for test year & Line 7 for Rate Year and Data Years
Line 10 Sum (Line 8 - Line 9)

Niagara Mohawk Power Corporation d/b/a National Grid
Wholesale Revenue Test Year
(Whole $)
Historic Test Year Ending December 31, 2019

Lines	Rate Schedule	Transmission Service	Test Year Total	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
1	R.S. 134	NYPA - St. Lawrence Municipals	$ 18,914	$ 1,165	$ 2,912	$ 1,604	$ 1,862	$ 1,810	$ 873	$ 99	$ 2,238	$ 598	$ 3,304	$ 173	$ 2,276
2	NM OATT [120, 118]	Green Island/Richmondvill	-	-	-	-	-	-	-	-	-	-	-	-	-
3	R.S. 136	Niagara Frontier	-	-	-	-	-	-	-	-	-	-	-	-	-
4	NM OATT	Fitzpatrick Industrials	-	-	-	-	-	-	-	-	-	-	-	-	-
5	R.S. 180	Crescent Vischer-Jarvis	-	-	-	-	-	-	-	-	-	-	-	-	-
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 Hudsor	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 (Nine Mile 2	2,175,360	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280	181,280
5	R.S. 142	Fitzpatrick Wheeling	2,999,040	218,240	218,240	218,240	218,240	281,600	281,600	281,600	281,600	281,600	281,600	218,240	218,240
6	R.S. 142	9 Mile Wheeling	4,350,720	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560	362,560
7	R.S. 165	NYSEG	9,354,240	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520	779,520
8	R.S. 175	Indeck Corinth	-	-	-	-	-	-	-	-	-	-	-	-	-
9	R.S. 171	Selkirk	-	-	-	-	-	-	-	-	-	-	-	-	-
10	R.S. 178	Sithe Independence	-	-	-	-	-	-	-	-	-	-	-	-	-
8	R.S. 174	City of Watertowr	84,335	7,930	7,296	7,899	6,816	5,919	5,783	6,953	6,924	6,733	7,097	7,125	7,862
9	ISO OATT - TSC	Regional transmission service	20,607,149	1,953,678	2,161,340	1,195,506	1,464,322	991,362	1,216,704	2,491,079	2,181,420	1,275,074	1,379,319	1,676,909	2,620,436
10	N/A	Regional transmission service	-												
10	N/A-TCC Revenue Auctior	TCC auction revenue	193,517,447	19,354,392	19,414,707	19,485,964	19,269,706.77	13,502,847	13,499,507	13,773,991	13,770,423	13,758,289	13,767,473	16,957,924	16,962,223
11	N/A	TCC auction revenue	-												
12	N/A	TCC congestion revenue	-	-	-	-	-	-	-	-	-	-	-	-	
11	N/A	Congestion Balancing Settlement	(17,718,239)	930,247	2,320,848	(1,559,803)	(978,504)	(4,847,431)	(5,634,523)	(416,725)	963,818	(1,158,562)	(2,239,013)	(4,462,362)	(636,229)
12	ISO OATT - Energy Highway	Energy Highway Revenues - FERC ROE		-	-	-	-	-	-	-	-	-	-	-	-
13	ISO OATT - WNY FC	WNY ISO Revenues - FERC ROE	-	-	-	-	-	-	-	-	-	-	-	-	-
14		TRANSMISSION REVENUE SUBJECT TO TRAC:	215,904,162	23,831,944.65	25,491,636.15	20,715,702.74	21,348,736.07	11,302,400.95	10,736,236.93	17,503,289.71	18,572,715.68	15,530,024.67	14,566,072.61	15,764,301.81	20,541,100.34
15	ISO OATT - Energy Highway	Energy Highway Revenues - State ROE	-	-	-	-	-	-	-	-	-	-	-	-	-
16	ISO OATT - Energy Highway	Energy Highway Revenues - Difference between FERC and Stat	-	-	-	-	-	-	-	-	-	-	-	-	-
17	ISO OATT - WNY FC	WNY ISO Revenues - State ROE	-	-	-	-	-	-	-	-	-	-	-	-	-
18	ISO OATT - WNY FC	WNY ISO Revenues - Difference between FERC and State	-	-	-	-	-	-	-	-	-	-	-	-	-
19		ADJUSTED TRANSMISSION REVENUE SUBJECT TO TRAC:	215,904,162	23,831,945	25,491,636	20,715,703	21,348,736	11,302,401	10,736,237	17,503,290	18,572,716	15,530,025	14,566,073	15,764,302	20,541,100
20		TRAC Base Value:	185,696,000	15,474,667	15,474,667	15,474,667	15,474,667	15,474,667	15,474,667	15,474,667	15,474,667	15,474,667	15,474,667	15,474,667	15,474,667
21		TRAC: (Line 20 - Line 19	(30,208,162)	(8,357,278)	(10,016,969)	(5,241,036)	(5,874,069)	4,172,266	4,738,430	(2,028,623)	(3,098,049)	(55,358)	908,594	(289,635)	(5,066,434)
22		TOTAL WHOLESALE TRANSMISSION REVENUES: (Line 19 + Line 21	185,696,000.00	15,474,666.67	15,474,666.67	15,474,666.67	15,474,666.67	15,474,666.67	15,474,666.67	15,474,666.67	15,474,666.67	15,474,666.67	15,474,666.67	15,474,666.67	15,474,666.67
23		**Reconciliation to Approved TRAC**													
		TRAC Amount	215,904,162.33	23,831,944.65	25,491,636.15	20,715,702.74	21,348,736.07	11,302,400.95	10,736,236.93	17,503,289.71	18,572,715.68	15,530,024.67	14,566,072.61	15,764,301.81	20,541,100.34
		Variance	0.00	-	-	-	-	0.00	-	-	-	-	-	-	-
24		**Reconciliation to G/L**													
		G/L Total	(215,904,162)	(23,831,945)	(25,491,636)	(20,715,703)	(21,348,736)	(11,302,401)	(10,736,237)	(17,503,290)	(18,572,716)	(15,530,025)	(14,566,073)	(15,764,302)	(20,541,100)
		Variance	(0)	-	-	(0.00)	(0.10)	(0.00)	(0.00)	(0.00)	(0.00)	-	-	-	-

Niagara Mohawk Power Corporation d/b/a National Grid
Wholesale Revenue Rate Year
(Whole $)
For Rate Ending June 30, 2021

Line	Lines	Rate Schedule	Transmission Service	Activity	Transmission Service	Rate Year Total	Jul-2021	Aug-2021	Sep-2021	Oct-2021	Nov-2021	Dec-2021	Jan-2022	Feb-2022	Mar-2022	Apr-2022	May-2022	Jun-2022
#REF!	1	R.S. 134	NYPA - St. Law. Wheel (Adirondack & Marcy Sub)	456069	NYPA - St. Lawrence Municipals	18,914	99	2,238	598	3,304	173	2,276	1,165	2,912	1,604	1,862	1,810	873
#REF!	2	NM OATT [120, 118]	NYPA - Munis - IS - OATT (Green Isle & Richmondville)	456064/456065	Green Island/Richmondville	-	-	-	-	-	-	-	-	-	-	-	-	-
#REF!	3	R.S. 136	NYPA - Niagara Frontier	456080	Niagara Frontier	-	-	-	-	-	-	-	-	-	-	-	-	-
#REF!	4	NM OATT	NYPA - FitzPatrick Indust./OATT 2 (expires 1/1/2010)	456070	Fitzpatrick Industrials	-	-	-	-	-	-	-	-	-	-	-	-	-
#REF!	5	R.S. 180	NYPA - C-V-J Wheel (expires 10/2013)	456067	Crescent Vischer-Jarvis	-	-	-	-	-	-	-	-	-	-	-	-	-
#REF!	2	R.S. 58	RG&E - Ginna - Clyde		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
#REF!	3	R.S. 55	CHG&E - N. Catskill	456072	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
#REF!	4	R.S. 141	CHG&E - Nine Mile 2	456072	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
#REF!	5	R.S. 142	LIPA - FitzPatrick	456083	Fitzpatrick Wheeling	2,999,040	281,600	281,600	281,600	281,600	218,240	218,240	218,240	218,240	218,240	218,240	281,600	281,600
#REF!	6	R.S. 142	LIPA - Nine Mile 2	456073	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
#REF!	7	R.S. 165	NYSEG - All Services	456076	NYSEG	3,769,920	314,160	314,160	314,160	314,160	314,160	314,160	314,160	314,160	314,160	314,160	314,160	314,160
#REF!	8	R.S. 175	Indeck Corinth (expires 7/1/2015)	456075	Indeck Corinth	-	-	-	-	-	-	-	-	-	-	-	-	-
#REF!	9	R.S. 171	JMC Selkirk Phase II (expires 8/31/2014)	456078	Selkirk	-	-	-	-	-	-	-	-	-	-	-	-	-
#REF!	10	R.S. 178	Exelon/Sithe Independence, L.P. (1)	456079	Sithe Independence	-	-	-	-	-	-	-	-	-	-	-	-	-
#REF!	8	R.S. 174	City of Watertown	456063	City of Watertown	84,335	6,953	6,924	6,733	7,097	7,125	7,862	7,930	7,296	7,899	6,816	5,919	5,783
#REF!	9	ISO OATT-TSC	Bergen + Tupper + Placid + NYPA Fitz. Ind.)	456171	Regional transmission service	20,607,149	2,491,079	2,181,420	1,275,074	1,379,319	1,676,909	2,620,436	1,953,678	2,161,340	1,195,506	1,464,322	991,362	1,216,704
23a	10	N/A	Seam TSC Revenues Not Included in Misc. Wheels (2)	456171	Regional transmission service	-												
#REF!	10	N/A	Native Load Release Amortization	456176	TCC auction revenue	199,380,044	14,235,129	14,231,560	14,219,427	14,228,610	17,419,061	17,423,361	19,870,354	19,930,669	20,001,926	19,785,669	14,018,809	14,015,469
26	11	N/A	Native Load Release Reconfiguration	456176	TCC auction revenue	-												
27	12	N/A	Congestion Revenues (St.Law. + RG&E TCC)	456174	TCC congestion revenue	-	-	-	-	-	-	-	-	-	-	-	-	-
28	11	N/A	Congestion Balancing Settlement	456175	Congestion balancing settlement	(17,718,239)	(416,725)	963,818	(1,158,562)	(2,239,013)	(4,462,362)	(636,229)	930,247	2,320,848	(1,559,803)	(978,504)	(4,847,431)	(5,634,523)
	12	ISO OATT - Energy Highway			Energy Highway Revenues - FERC ROE	-	-	-	-	-	-	-	-	-	-	-	-	-
	13	ISO OATT - WNY FC			WNY ISO Revenues - FERC ROE	-	-	-	-	-	-	-	-	-	-	-	-	-
			Attachment N															
29	14		TRANSMISSION REVENUE SUBJECT TO TRAC:		TRANSMISSION REVENUE SUBJECT TO TRAC:	216,182,439	17,499,067	18,568,493	15,525,802	14,561,850	15,760,079	20,536,878	23,882,546	25,542,238	20,766,304	21,399,338	11,353,003	10,786,839
	15	ISO OATT - Energy Highway			Energy Highway Revenues - State ROE	-	-	-	-	-	-	-	-	-	-	-	-	-
	16	ISO OATT - Energy Highway			Energy Highway Revenues - Difference between FERC and State	-	-	-	-	-	-	-	-	-	-	-	-	-
	17	ISO OATT - WNY FC			WNY ISO Revenues - State ROE	-	-	-	-	-	-	-	-	-	-	-	-	-
	18	ISO OATT - WNY FC			WNY ISO Revenues - Difference between FERC and State	-	-	-	-	-	-	-	-	-	-	-	-	-
	19				ADJUSTED TRANSMISSION REVENUE SUBJECT TO TRAC	216,182,439	17,499,067	18,568,493	15,525,802	14,561,850	15,760,079	20,536,878	23,882,546	25,542,238	20,766,304	21,399,338	11,353,003	10,786,839

TRAC Base Value: 3

TRAC: (Line 30 - Line 29)

TOTAL WHOLESALE TRANSMISSION REVENUES:
(Line 22 + Line 24)

Exhibit_____(E-RDP-2CU)
Schedule 4
Corrections and Updates
Page 4 of 13

Niagara Mohawk Power Corporation d/b/a National Grid
Wholesale Revenue Rate Year
(Whole $)
For Rate Ending June 30, 2022

Lines	Rate Schedule	Transmission Service	Rate Year Total	Jul-2022	Aug-2022	Sep-2022	Oct-2022	Nov-2022	Dec-2022	Jan-2023	Feb-2023	Mar-2023	Apr-2023	May-2023	Jun-2023
1	R.S. 134	NYPA - St. Lawrence Municipals	18,914	99	2,238	598	3,304	173	2,276	1,165	2,912	1,604	1,862	1,810	873
2	NM OATT [120, 118]	Green Island/Richmondville	-	-	-	-	-	-	-	-	-	-	-	-	-
3	R.S. 136	Niagara Frontier	-	-	-	-	-	-	-	-	-	-	-	-	-
4	NM OATT [33,41,42,43,47,49,62,88,196]	Fitzpatrick Industrials	-	-	-	-	-	-	-	-	-	-	-	-	-
5	R.S. 180	Crescent Vischer-Jarvis	-	-	-	-	-	-	-	-	-	-	-	-	-
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	281,600	281,600	281,600	281,600	218,240	218,240	218,240	218,240	218,240	218,240	281,600	281,600
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	3,769,920	314,160	314,160	314,160	314,160	314,160	314,160	314,160	314,160	314,160	314,160	314,160	314,160
8	R.S. 175	Indeck Corinth	-	-	-	-	-	-	-	-	-	-	-	-	-
9	R.S. 171	Selkirk	-	-	-	-	-	-	-	-	-	-	-	-	-
10	R.S. 178	Sithe Independence	-	-	-	-	-	-	-	-	-	-	-	-	-
8	R.S. 174	City of Watertown	84,335	6,953	6,924	6,733	7,097	7,125	7,862	7,930	7,296	7,899	6,816	5,919	5,783
9	ISO OATT-TSC	Regional transmission service	20,607,149	2,491,079	2,181,420	1,275,074	1,379,319	1,676,909	2,620,436	1,953,678	2,161,340	1,195,506	1,464,322	991,362	1,216,704
10	N/A	Regional transmission service	-												
10	N/A	TCC auction revenue	199,818,197	14,289,953	14,286,385	14,274,251	14,283,434	17,473,885	17,478,185	19,888,555	19,948,871	20,020,127	19,803,870	14,037,010	14,033,671
11	N/A	TCC auction revenue	-												
12	N/A	TCC congestion revenue	-	-	-	-	-	-	-	-	-	-	-	-	-
11	N/A	Congestion balancing settlement	(17,718,239)	(416,725)	963,818	(1,158,562)	(2,239,013)	(4,462,362)	(636,229)	930,247	2,320,848	(1,559,803)	(978,504)	(4,847,431)	(5,634,523)
12	ISO OATT - Energy Highway	Energy Highway Revenues - FERC ROE	-	-	-	-	-	-	-	-	-	-	-	-	-
13	ISO OATT - WNY FC	WNY ISO Revenues - FERC ROE	-	-	-	-	-	-	-	-	-	-	-	-	-
14		TRANSMISSION REVENUE SUBJECT TO TRAC:	216,620,592	17,553,891	18,623,317	15,580,626	14,616,674	15,814,904	20,591,702	23,900,748	25,560,439	20,784,506	21,417,539	11,371,204	10,805,040
15	ISO OATT - Energy Highway	Energy Highway Revenues - State ROE	-	-	-	-	-	-	-	-	-	-	-	-	-
16	ISO OATT - Energy Highway	Energy Highway Revenues - Difference between FERC and State	-	-	-	-	-	-	-	-	-	-	-	-	-
17	ISO OATT - WNY FC	WNY ISO Revenues - State ROE	-	-	-	-	-	-	-	-	-	-	-	-	-
18	ISO OATT - WNY FC	WNY ISO Revenues - Difference between FERC and State	-	-	-	-	-	-	-	-	-	-	-	-	-
19		ADJUSTED TRANSMISSION REVENUE SUBJECT TO TRAC:	216,620,592	17,553,891	18,623,317	15,580,626	14,616,674	15,814,904	20,591,702	23,900,748	25,560,439	20,784,506	21,417,539	11,371,204	10,805,040

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Niagara Mohawk Power Corporation d/b/a National Grid
Wholesale Revenue Rate Year
(Whole $)
For Data Year Ending June 30, 2024

Lines	Rate Schedule	Transmission Service	Transmission Service	Data Year Total	Jul-2023	Aug-2023	Sep-2023	Oct-2023	Nov-2023	Dec-2023	Jan-2024	Feb-2024	Mar-2024	Apr-2024	May-2024	Jun-2024
1	R.S. 134	NYPA - St. Law. Wheel (Adirondack & Marcy Sub)	NYPA - St. Lawrence Municipals	18,914	99	2,238	598	3,304	173	2,276	1,165	2,912	1,604	1,862	1,810	873
2	NM OATT [120, 118]	NYPA - Munis - IS - OATT (Green Isle & Richmondville)	Green Island/Richmondville	-	-	-	-	-	-	-	-	-	-	-	-	-
3	R.S. 136	NYPA - Niagara Frontier	Niagara Frontier	-	-	-	-	-	-	-	-	-	-	-	-	-
4	[33,41,42,43,47,49,62,88,19	NYPA - FitzPatrick Indust./OATT 2 (expires 1/1/2010)	Fitzpatrick Industrials	-	-	-	-	-	-	-	-	-	-	-	-	-
5	R.S. 180	NYPA - C-V-J Wheel (expires 10/2013)	Crescent Vischer-Jarvis	-	-	-	-	-	-	-	-	-	-	-	-	-
2	R.S. 58	RG&E - Ginna - Clyde	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	CHG&E - N. Catskill	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	CHG&E - Nine Mile 2	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	LIPA - FitzPatrick	Fitzpatrick Wheeling	2,999,040	281,600	281,600	281,600	281,600	218,240	218,240	218,240	218,240	218,240	218,240	281,600	281,600
6	R.S. 142	LIPA - Nine Mile 2	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 - All Services	NYSEG	3,769,920	314,160	314,160	314,160	314,160	314,160	314,160	314,160	314,160	314,160	314,160	314,160	314,160
8	R.S. 175	Indeck Corinth (expires 7/1/2015)	Indeck Corinth	-	-	-	-	-	-	-	-	-	-	-	-	-
9	R.S. 171	JMC Selkirk Phase II (expires 8/31/2014)	Selkirk	-	-	-	-	-	-	-	-	-	-	-	-	-
10	R.S. 178	Exelon/Sithe Independence, L.P. (1)	Sithe Independence	-	-	-	-	-	-	-	-	-	-	-	-	-
8	R.S. 174	City of Watertown	City of Watertown	84,335	6,953	6,924	6,733	7,097	7,125	7,862	7,930	7,296	7,899	6,816	5,919	5,783
9	ISO OATT - TSC	Misc. TSC Wheels (17 NYPA-IS munis + Oneida-Mad. + Bergen + Tupper	Regional transmission service	20,607,149	2,491,079	2,181,420	1,275,074	1,379,319	1,676,909	2,620,436	1,953,678	2,161,340	1,195,506	1,464,322	991,362	1,216,704
10	N/A	Seam TSC Revenues Not Included in Misc. Wheels (2)	Regional transmission service	-												
10	N/A	Native Load Release Amortization	TCC auction revenue	200,683,231	14,308,154	14,304,586	14,292,452	14,301,636	17,492,087	17,496,386	20,014,526	20,074,842	20,146,098	19,929,841	14,162,981	14,159,641
11	N/A	Native Load Release Reconfiguration	TCC auction revenue	-												
12	N/A	Congestion Revenues (St.Law. + RG&E TCC)	TCC congestion revenue	-	-	-	-	-	-	-	-	-	-	-	-	-
11	N/A	Congestion Balancing Settlement	Congestion balancing settlement	(17,718,239)	(416,725)	963,818	(1,158,562)	(2,239,013)	(4,462,362)	(636,229)	930,247	2,320,848	(1,559,803)	(978,504)	(4,847,431)	(5,634,523)
12	ISO OATT - Energy Highway		Energy Highway Revenues - FERC ROE	-	-	-	-	-	-	-	-	-	-	-	-	-
13	ISO OATT - WNY FC		WNY ISO Revenues - FERC ROE	2,674,176	222,848	222,848	222,848	222,848	222,848	222,848	222,848	222,848	222,848	222,848	222,848	222,848
		Attachment N														
14		TRANSMISSION REVENUE SUBJECT TO TRAC:	TRANSMISSION REVENUE SUBJECT TO TRAC:	220,159,802	17,794,941	18,864,367	15,821,676	14,857,724	16,055,953	20,832,752	24,249,567	25,909,258	21,133,325	21,766,358	11,720,023	11,153,859
15	ISO OATT - Energy Highway		Energy Highway Revenues - State ROE	-	-	-	-	-	-	-	-	-	-	-	-	-
16	ISO OATT - Energy Highway		Energy Highway Revenues - Difference between FERC and State	-	-	-	-	-	-	-	-	-	-	-	-	-
17	ISO OATT - WNY FC		WNY ISO Revenues - State ROE	2,583,828	215,319	215,319	215,319	215,319	215,319	215,319	215,319	215,319	215,319	215,319	215,319	215,319
18	ISO OATT - WNY FC		WNY ISO Revenues - Difference between FERC and State	(90,348)	(7,529)	(7,529)	(7,529)	(7,529)	(7,529)	(7,529)	(7,529)	(7,529)	(7,529)	(7,529)	(7,529)	(7,529)
19			ADJUSTED TRANSMISSION REVENUE SUBJECT TO TRAC:	220,069,454	17,787,412	18,856,838	15,814,147	14,850,195	16,048,424	20,825,223	24,242,038	25,901,729	21,125,796	21,758,829	11,712,494	11,146,330

Niagara Mohawk Power Corporation d/b/a National Grid
Miscellaneous Revenue - Late Payment Charges
Historic Test Year Ending December 31, 2019, Rate Year Ending March 31, 2022 and Data Years Ending March 31, 2023 and 2024

`

Lines	Late Payment Charges	Test Year Ending Dec 31, 2019	Normalized Adjustments	Rate Year Ending 2022	Normalized Adjustments	Data Year Ending 2023	Normalized Adjustments	Data Year Ending 2024
1	Total Retail Revenue	$ 2,193,862.4	$ 173,615.3	$ 2,367,477.7	$ 29,126.6	$ 2,396,604.4	$ 30,243.9	$ 2,426,848.2
2	ESCO Electric Commodity Revenue	$ -	$ -	$ -	$ -	$ -	$ -	$ -
3	Total	$ 2,193,862.4	$ 173,615.3	$ 2,367,477.7	$ 29,126.6	$ 2,396,604.4	$ 30,243.9	$ 2,426,848.2
4	Late Payment Charges	$ (12,559.2)	$ (993.9)	$ (13,553.1)	$ (166.7)	$ (13,719.8)	$ (173.1)	$ (13,893.0)
5	LPC adjustments	$ -	$ -	$ -	$ -	$ -	$ -	$ -
6	Total	$ (12,559.2)	$ (993.9)	$ (13,553.1)	$ (166.7)	$ (13,719.8)	$ (173.1)	$ (13,893.0)
7	LPC as a % of retail revenues	-0.5725%		-0.5725%		-0.5725%		-0.5725%
8		12,561,381						

Line 1 Total Retail Revenue as shown on Exhibit____(E-RDP-2), Schedules 1-4
Line 6 Late Payment Charges as shown on Exhibit____(E-RDP-2), Schedules 1-4
Line 7 Line 4 divided by Line 3
Line 8 LPC Adjustment to recncile HTY LPC revenues

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Niagara Mohawk Power Corporation d/b/a National Grid
Miscellaneous Revenues - Hydro Lease Payments
For Rate Year Ending March 31, 2022 and Data Years Ending March 31, 2023 and 2024

Hydro Lease Payment Forecast RY22 - RY24

	HTY Lease Payments	RY1 Lease Payments	RY2 Lease Payments	RY3 Lease Payments
PPA # 862 - South Glens Falls (Boralex)	$1,731,885	$1,770,279	$1,770,279	$1,770,279
PPA 863 - Hudson Falls (Boralex)	$124,751	$148,216	$161,556	$176,096
PPA# 548 - Middle Falls (Boralex)	$100,683	$98,378	$102,529	$111,563
PPA429 - Union Falls (KEI)	$0	$0	$0	$0
PPA# 845 E - Diamond (Enel)	$150	$150	$150	$150
PPA# 845F - Theresa (Enel)	$0	$0	$0	$0
Stillwater Hydro PPA# 617	$0	$0	$0	$0
Total	$2,333,717	$2,435,449	$2,472,987	$2,632,211

Exhibit____(E-RDP-2CU)
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Niagara Mohawk Power Corporation d/b/a National Grid
Miscellaneous Revenues - Hydro Lease Payments
For Rate Year Ending March 31, 2022 and Data Years Ending March 31, 2023, and 2024

THIRD PARTY ATTACHMENTS GROUP - PROJECTED REVENUE SUMMARY SHEET

Revenue Category	Baseline Year 2019	Rate Period			
		RY1	RY2	RY3	RY4
Pole Attachments	$ 9,024,395.00	$ 11,805,869.13	$ 11,957,448.49	$ 12,128,092.42	$ 12,317,812.35
Tower Attachments	$ 1,147,933	$ 1,749,563	$ 1,273,307	$ 1,097,609	$ 1,250,676
Underground Conduit	$ 872,222	$ 872,222	$ 872,222	$ 872,222	$ 872,222
Verizon Limited Attachment	$ 3,531,233	$ 3,531,233	$ 3,531,233	$ 3,531,233	$ 3,531,233
TOTALS	$ 14,575,782	$ 17,958,887	$ 17,634,210	$ 17,629,156	$ 17,971,943

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Niagara Mohawk Power Company
Miscellaneous Revenues- Open Access
For Rate Year Ending March 31, 2022 and Data Years Ending March 31, 2023 and 2024

Line	Description	Page No. / Method of Forecast	Test Year 12-Mths Ending Dec 31, 2019	Normalized Adjustments	Rate Year 12-Mths Ending June 30, 2022	Normalized Adjustments	Rate Year 12-Mths Ending June 30, 2023	Normalized Adjustments	Rate Year 12-Mths Ending June 30, 2024
40	CNP	Escalator	$ 37,042	$ 763	$ 37,805	$ 387	$ 38,192	$ 391	$ 38,583
41	AHDC-S. Glenn Falls	Fixed	$ 2,700	$ -	$ 2,700	$ -	$ 2,700	$ -	$ 2,700
42	American Ref-Fuel	Fixed	$ 26,000	$ -	$ 26,000	$ -	$ 26,000	$ -	$ 26,000
43	Brookfield Renew Power	Fixed	$ 22,958	$ -	$ 22,958	$ -	$ 22,958	$ -	$ 22,958
44	Carthage Energy LLC	Fixed	$ 6,136	$ -	$ 6,136	$ -	$ 6,136	$ -	$ 6,136
45	Copenhagen Associates	Escalator	$ 19,557	$ 1,191	$ 20,748	$ 622	$ 21,370	$ 641	$ 22,011
46	City of Oswego	Fixed	$ 6,200	$ -	$ 6,200	$ -	$ 6,200	$ -	$ 6,200
47	City of Salamanca	Fixed	$ 2,400	$ -	$ 2,400	$ -	$ 2,400	$ -	$ 2,400
48	Hydro Development Group	Escalator	$ 26,839	$ 690	$ 27,529	$ 352	$ 27,881	$ 356	$ 28,238
49	Indeck Olean	Fixed	$ 10,725	$ (10,725)	$ -	$ -	$ -	$ -	$ -
50	Lyonsdale	Fixed	$ 2,430	$ -	$ 2,430	$ -	$ 2,430	$ -	$ 2,430
51	Lake Colby	Fixed	$ 4,096	$ -	$ 4,096	$ -	$ 4,096	$ -	$ 4,096
52	Rensselaer Cogeneration Project	Fixed	$ 109,008	$ -	$ 109,008	$ -	$ 109,008	$ -	$ 109,008
53	Marcy Facts	Inflation	$ 102,450	$ 2,773	$ 105,223	$ 1,414	$ 106,637	$ 1,433	$ 108,070
54	Northern Electric Power	Fixed	$ 9,000	$ -	$ 9,000	$ -	$ 9,000	$ -	$ 9,000
55	Nine Mile Point Unit 1*	Escalator	$ 20,757	$ (8,691)	$ 12,066	$ 362	$ 12,428	$ 373	$ 12,801
56	Nine Mile Point Unit 2*	Escalator	$ 20,757	$ (8,691)	$ 12,066	$ 362	$ 12,428	$ 373	$ 12,801
57	Delaware County Cooperative, Inc.	Escalator	$ 737	$ 22	$ 759	$ 11	$ 770	$ 12	$ 782
58	Ball Hill Wind	Fall 2021	$ -	$ 522,698	$ 522,698	$ 7,026	$ 529,724	$ 7,120	$ 536,845
59	Cassadaga Wind	Oct-2020	$ -	$ 217,992	$ 217,992	$ 2,930	$ 220,923	$ 2,970	$ 223,892
60	Cedar Rapids	Oct-2021	$ -	$ 407,392	$ 407,392	$ 5,476	$ 412,868	$ 5,550	$ 418,417
61	Subtotal - Open Access Revenues		$ 429,791	$ 1,125,415	$ 1,555,206	$ 18,943	$ 1,574,149	$ 19,219	$ 1,593,368

Notes

* The Nine Mile Unit 1 and 2 Test Year amount of $20,757 includes both 2018 and 2019's billing amounts. 2018's bill of $10,224.96 was retroactively billed in CY 2019 and is included in the test year to
All Rate Year amounts are forecasted based on 2019's billing amount of $10,531

Niagara Mohawk Power Corporation d/b/a National Grid
Miscellaneous Revenues - Affiliate Revenue
For Rate Year Ending March 31, 2022 and Data Years Ending March 31, 2023 and 2024

		Airplane charges to Opco's	Airplane Charges applicable to NMPC			
	FY Depreciation Expense	Alloc Code	NMPC Revenue	NMPC D	NMPC T	NMPC G	Total NMPC
		G146	72.14%	17.50%	5.72%	4.64%	27.86%
STUB PD JAN-MAR 20	1,970		1,421	345	113	91	549
FY21	64,994		46,887	11,374	3,718	3,016	18,107
FY22	100,896		72,787	17,657	5,771	4,682	28,110
FY23	121,474		87,632	21,258	6,948	5,636	33,843
FY24	136,714		98,625	23,925	7,820	6,344	38,088
FY25	143,787		103,728	25,163	8,225	6,672	40,059

$39,122

Revenue Split		
Electric	Gas	Total
$60,733	$12,053	$72,787
$73,120	$14,512	$87,632
$82,293	$16,332	$98,625
$86,550	$17,177	$103,728
$302,696	$60,075	$362,771

Niagara Mohawk Power Corporation d/b/a National Grid
Miscellaneous Revenues - S&A Burdens
For Rate Year Ending March 31, 2022 and Data Years Ending March 31, 2023 and 2024

Category	S&A Burdens				
WBS Element	(All)				
Sum of Total Journal $					
G/L Account Key	G/L Account	Document Header Text	Total		
NGUS/C4565002	Oth Elec Rev-Mi	CY19 Apr-Jun FERC-ECC ADJ	$	(2,566,757.58)	
		CY19 Jul-Aug FERC-ECC ADJ	$	(2,008,276.27)	
		CY19 Mar FERC-ECC ADJ	$	(928,289.43)	
		CY19 Sep FERC-ECC ADJ	$	(547,371.22)	
		CY19Jan-Feb FERC-ECC ADJ	$	(2,307,735.31)	
		IMWM S&A	$	29,602.36	
	Oth Elec Rev-Misc Total		$	(8,328,827.45)	
NGUS/C4565002 Total			$	(8,328,827.45)	
NGUS/C660760X	OE-SAndA-IC B #		$	(8,629,857.93)	
	OE-SAndA-IC Bill Total		$	(8,629,857.93)	
NGUS/C660760X Total			$	(8,629,857.93)	
Grand Total			$	(16,958,685.38)	All S&A Burdens on Electric Segment

Allocation to E&G (Based on O&M Split Calculated in CY19 Earnings Report):

	Electric	Gas	
	84%	16%	As shown on WC tab in Earnings report (revenue requirement model)
S&A Burdens	($14,252,779.86)	($2,705,905.52)	

Niagara Mohawk Power Corp.
Clean Transportation - EV
Rate Years FY22 - FY25
Residential EV Revenue Forecast
Source: Ariella Cohen

Total Residential EV Revenue

	RY 1	RY 2	RY 3	RY 4	Total
Total Revenue (stakeholders + ratepayers)	$728,323	$1,428,701	$2,086,091	$2,817,322	$7,060,437
Total Revenue (ratepayers)	$643,138	$1,293,604	$1,925,193	$2,631,829	$6,493,764

Details

Managed Charging Revenue

Revenue Associated with Customer Contribution to Managed Charging

	RY 1	RY 2	RY 3	RY 4	program year 5	Total
Revenue Returned to Ratepayers	$302,400	$753,216	$1,281,600	$1,889,856	$608,256	$4,835,328

Turnkey Install Revenue

Revenue Associated with Participant Paid Service Fee for Turnkey Install and E-commerce sales on marketplace

	RY 1	RY 2	RY 3	RY 4	program year 5	Total
National Grid Shareholders	$75,408	$120,519	$143,821	$165,824	$16,300	$521,872
Revenue Returned to Ratepayers	$301,631	$482,075	$575,286	$663,296	$65,200	$2,087,488
Total	$377,039	$602,594	$719,107	$829,120	$81,500	$2,609,360

Marketplace Revenue (from customers that do not use turnkey install)

Revenue Associated with electrician referral fee and e-commerce marketplace sales that are not associated with turnkey install

	RY 1	RY 2	RY 3	RY 4	Total
National Grid Shareholders	$9,777	$14,578	$17,077	$19,669	$61,101
Revenue Returned to Ratepayers	$39,107	$58,313	$68,307	$78,677	$244,404
Total	$48,884	$72,891	$85,384	$98,346	$305,505

Electric Rate Design Panel

Exhibit __ (E-RDP-3CU)

Allocated (Embedded) Class Cost of Service Study

Index

Index to Class Cost of Service Study

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Index to Class Cost of Service Study

Exhibit___(E-RDP-3CU)	Description
Index	Index to Class Cost of Service Study
Sch. 1	Summary of Results
Sch. 2	Class Allocations- Total
Sch. 3	Revenue Requirement By Functional Classification
Sch. 4	Customer-Charge Costs In Revenue Requirement
Sch. 5	Functionalization
Sch. 6	Classification
Sch. 7A	Class Allocation- Transmission Demand
Sch. 7B	Class Allocation- Primary Demand
Sch. 7C	Class Allocation- Primary Customer
Sch. 7D	Class Allocation- Secondary Demand
Sch. 7E	Class Allocation- Secondary Customer
Sch. 7F	Class Allocation- Billing Customer
Sch. 7G	Class Allocation- Regulatory
Sch. 7H	Class Allocation- Competitive Supply
Sch. 7I	Class Allocation- Competitive Collection
Sch. 7J	Class Allocation- Competitive Billing
Sch. 8A	Allocator Assignments
Sch. 8B	Functionalization Factors
Sch. 8C	Classification Factors
Sch. 8D	Class Allocation Factors
Sch. 9	Development of Allocators

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Electric Rate Design Panel

Exhibit __ (E-RDP-3CU)

Allocated (Embedded) Class Cost of Service Study

Schedule 1

Summary of Results

Sum
Sch. 1
Tot
Summary

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Summary of Results

Line	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	Distribution revenue	1,589,433	995,745	11,790	71,821	190,559	134,069	45,878	7,048	24,922	15,008	49,100	43,491
2	Late Payments charges	13,553	12,691	24	238	376	115	39	4	24	12	30	0
3	Other revenue	1,026,318	592,156	10,125	29,914	124,907	87,506	33,286	12,538	13,755	21,574	95,874	4,683
4	Total Revenue	2,629,304	1,600,593	21,939	101,974	315,842	221,690	79,203	19,590	38,701	36,594	145,004	48,175
5													
6	Expenses	2,294,181	1,408,202	16,360	88,782	274,266	190,616	70,334	17,562	32,202	30,250	124,890	40,716
7	Net income	335,123	192,390	5,579	13,191	41,576	31,074	8,869	2,028	6,499	6,344	20,114	7,458
8													
9	Rate Base	6,488,503	3,655,934	37,780	262,416	859,494	660,094	230,281	48,719	114,767	99,146	375,195	144,679
10													
11	Return on Rate Base	5.1649%	5.26%	14.77%	5.03%	4.84%	4.71%	3.85%	4.16%	5.66%	6.40%	5.36%	5.16%
12	*Relative Return*	*1.00*	*1.02*	*2.86*	*0.97*	*0.94*	*0.91*	*0.75*	*0.81*	*1.10*	*1.24*	*1.04*	*1.00*
13	Revenue Requirement	2,731,276	1,654,948	18,849	106,433	332,060	234,996	85,844	20,841	39,903	36,892	150,078	50,432
14													
15	Operating expenses	1,745,583	1,085,267	13,451	66,472	202,612	140,144	53,324	13,934	23,718	23,483	99,819	23,359
16	Uncollectibles- Delivery	24,491	22,934	43	431	680	207	71	8	43	22	54	0
17	Depreciation expense	286,654	165,264	1,498	12,397	39,773	25,768	8,590	2,075	4,215	3,462	12,625	10,987
18	General tax / Other	234,170	133,353	1,293	9,324	30,661	24,076	8,229	1,517	4,138	3,196	12,116	6,267
19	GRT	0	0	0	0	0	0	0	0	0	0	0	0
20		2,290,898	1,406,818	16,285	88,623	273,726	190,196	70,215	17,534	32,114	30,163	124,613	40,612
21	Pre-tax income	440,378	248,130	2,564	17,810	58,334	44,801	15,629	3,307	7,789	6,729	25,465	9,819
22	Income taxes	30,953	17,440	180	1,252	4,100	3,149	1,099	232	547	473	1,790	690
23	Net income	409,425	230,689	2,384	16,558	54,234	41,652	14,531	3,074	7,242	6,256	23,675	9,129
24													
25	Return on Rate Base	6.31%	6.31%	6.31%	6.31%	6.31%	6.31%	6.31%	6.31%	6.31%	6.31%	6.31%	6.31%
26													
27	Revenue increase (decrease)	101,972	54,355	(3,090)	4,460	16,218	13,306	6,641	1,251	1,202	298	5,074	2,257
28	Revenue increase (decrease) %	6.42%	5.46%	(26.21%)	6.21%	8.51%	9.92%	14.48%	17.74%	4.82%	1.98%	10.33%	5.19%
29	Relative incr (decr)	*1.00*	*0.85*	*(4.08)*	*0.97*	*1.33*	*1.55*	*2.26*	*2.77*	*0.75*	*0.31*	*1.61*	*0.81*

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Electric Rate Design Panel

Exhibit __ (E-RDP-3CU)

Allocated (Embedded) Class Cost of Service Study

Schedule 2

Class Allocations - Total

Total
Sch. 2
Tot
Class All

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocations- Total

Line	Account	No.	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	I. ELECTRIC PLANT IN SERVICE													
2	INTANGIBLE PLANT													
3	Organization	302	21,732	13,243	132	974	2,528	1,842	604	144	303	295	1,113	554
4	Intangible Plant		21,732	13,243	132	974	2,528	1,842	604	144	303	295	1,113	554
5														
6	C. TRANSMISSION PLANT													
7	Transmission Plant	361	3,846,266	1,645,248	32,221	100,933	526,395	476,530	192,989	68,742	94,794	147,442	560,254	717
8	Transmission Plant	350-359	3,846,266	1,645,248	32,221	100,933	526,395	476,530	192,989	68,742	94,794	147,442	560,254	717
9														
10	D. DISTRIBUTION PLANT													
11	Land and land rights	360	63,116	34,054	698	1,977	10,224	9,729	3,898	0	1,929	0	0	606
12	Structures and impr.	361	55,622	30,011	616	1,742	9,010	8,574	3,435	0	1,700	0	0	534
13	Station equipment	362	973,127	525,054	10,769	30,484	157,628	150,008	60,094	0	29,741	0	0	9,348
14	Poles, towers and fixtures	364	1,342,040	1,116,397	3,887	87,543	74,837	39,324	13,397	0	6,651	0	4	0
15	OH conductors, devices	365	1,501,566	1,206,690	4,201	94,624	100,175	60,774	23,624	0	11,471	0	7	0
16	UG conduits	366	266,245	87,913	306	6,894	79,466	74,104	10,616	0	6,943	0	3	0
17	UG conductors, devices	367	790,738	376,815	1,312	29,548	160,832	142,458	53,180	0	26,577	0	16	0
18	Line transformers	368	1,110,485	711,320	2,477	44,268	230,946	107,764	0	0	1,985	0	0	11,725
19	Services	369	559,898	457,712	1,594	61,084	35,961	2,707	538	129	50	51	72	0
20	Meters	370	196,422	126,272	913	11,199	44,741	4,121	1,824	3,704	122	1,461	2,065	0
21	Installs customer premises	371	14,643	13,108	46	1,028	428	32	0	0	0	0	0	0
22	Street lighting, signals	373	250,701	0	0	0	0	0	0	0	0	0	0	250,701
23	346/363 -Solar / Battery Stor	374	10,879	5,870	120	341	1,762	1,677	672	0	332	0	0	105
24	Distribution Plant	360-373	7,135,482	4,691,216	26,940	370,733	906,010	601,272	171,277	3,833	87,501	1,512	2,168	273,020
25														
26	E. GENERAL PLANT													
27	General Plant	389	341,060	219,721	1,826	16,336	39,906	28,085	11,037	1,300	5,508	1,859	6,573	8,909
28	Common Plant	391	255,964	164,900	1,370	12,260	29,950	21,078	8,283	976	4,133	1,395	4,933	6,686
29	General Plant	389-399	597,024	384,621	3,196	28,596	69,856	49,162	19,321	2,276	9,641	3,255	11,505	15,595
30														
31	TOTAL UTILITY PLANT		11,600,504	6,734,329	62,488	501,236	1,504,789	1,128,806	384,191	74,995	192,240	152,503	575,041	289,886
32														

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Class Allocations- Total

Line	Account	No.	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
33	II. DEPRECIATION RESERVE													
34	Franchises and consents	108.3	6,558	3,996	40	294	763	556	182	43	91	89	336	167
35	Transmission Plant	108.5	705,320	301,702	5,909	18,509	96,529	87,385	35,390	12,606	17,383	27,038	102,738	131
36	Land Rts, Subst, Struct	108.5	241,701	130,411	2,675	7,571	39,151	37,258	14,926	0	7,387	0	0	2,322
37	PTF / OH / UG	108.5	1,341,410	958,728	3,338	75,179	142,825	108,899	34,671	0	17,760	0	11	0
38	Line Transformers	108.5	366,325	234,649	817	14,603	76,184	35,549	0	0	655	0	0	3,868
39	Services	108.5	293,556	239,979	836	32,027	18,855	1,420	282	68	26	27	38	0
40	Meters	108.5	39,365	25,306	183	2,244	8,966	826	366	742	24	293	414	0
41	Lighting	108.5	87,284	0	0	0	0	0	0	0	0	0	0	87,284
42	Customer premises	108.5	8,635	7,730	27	606	253	19	0	0	0	0	0	0
43	General Plant	108.6	279,821	180,269	1,498	13,403	32,741	23,042	9,055	1,067	4,519	1,525	5,393	7,309
44	Depreciation Reserve	108	3,369,975	2,082,771	15,322	164,437	416,267	294,953	94,872	14,526	47,845	28,971	108,929	101,082
45														
46	III. OTHER RATE BASE ITEMS													
47	Other Reg Assets		(142,835)	(80,480)	(832)	(5,777)	(18,921)	(14,531)	(5,069)	(1,072)	(2,526)	(2,183)	(8,259)	(3,185)
48	Materials and Supplies		42,050	27,311	223	1,987	4,634	3,329	1,273	196	632	345	1,277	843
49	Prepayments		(25,898)	(16,821)	(138)	(1,224)	(2,854)	(2,050)	(784)	(121)	(389)	(212)	(787)	(519)
50	Other Net Plant		0	0	0	0	0	0	0	0	0	0	0	0
51	Cash Working Capital		115,029	74,711	611	5,435	12,676	9,106	3,482	537	1,728	943	3,494	2,306
52	Cash Working Cap- Comm		24,273	16,679	255	732	2,856	1,262	380	208	98	111	1,559	133
53	Accumulated Deferred FIT		(1,684,817)	(978,071)	(9,076)	(72,798)	(218,550)	(163,944)	(55,799)	(10,892)	(27,920)	(22,149)	(83,517)	(42,102)
54	Non Interest Bearing CWIP		77,741	45,130	419	3,359	10,084	7,565	2,575	503	1,288	1,022	3,854	1,943
55	EBCap Adjustment		(147,569)	(84,085)	(849)	(6,098)	(18,954)	(14,496)	(5,096)	(1,109)	(2,537)	(2,263)	(8,539)	(3,543)
56	Other Rate Base	131-283	(1,742,026)	(995,624)	(9,386)	(74,383)	(229,028)	(173,759)	(59,038)	(11,750)	(29,627)	(24,386)	(90,917)	(44,125)
57														
58	TOTAL RATE BASE		6,488,503	3,655,934	37,780	262,416	859,494	660,094	230,281	48,719	114,767	99,146	375,195	144,679
59														

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60	I. OPERATING AND MAINTENANCE EXPENSES													
61	B. TRANSMISSION EXPENSE													
62	Transmission Expense		0	0	0	0	0	0	0	0	0	0	0	0
63	Transmission Expense		0	0	0	0	0	0	0	0	0	0	0	0
64														
65	C. DISTRIBUTION EXPENSE													
66	Purchased Power	555	570,529	379,726	6,155	17,142	66,801	33,927	11,435	5,216	3,655	5,250	38,531	2,691
67	Transmission O&M	580	96,343	41,211	807	2,528	13,185	11,936	4,834	1,722	2,374	3,693	14,034	18
68	Oper-Supervision & Eng	580	13,529	9,290	61	707	1,423	1,015	384	11	193	4	7	433
69	Oper-Load Dispatching	581	10,003	4,942	125	275	1,697	1,747	798	0	420	0	0	0
70	Oper-Substations	582	5,618	3,031	62	176	910	866	347	0	172	0	0	54
71	Oper-Overhead Lines	583	18,229	14,892	52	1,168	1,122	642	237	0	116	0	0	0
72	Oper-Underground Lines	584	8,542	3,756	13	295	1,942	1,750	516	0	271	0	0	0
73	Oper-Outdoor Lighting	585	1,164	0	0	0	0	0	0	0	0	0	0	1,164
74	Oper-Electric Meters	586	12,097	7,777	56	690	2,755	254	112	228	8	90	127	0
75	Oper-Customer Install.	587	6,696	4,305	31	382	1,525	140	62	126	4	50	70	0
76	Oper-Misc Expenses	588	40,588	26,728	155	2,107	5,031	3,462	1,001	7	515	3	5	1,573
77	Oper-Rents	589	528	363	2	28	56	40	15	0	8	0	0	17
78	Maint-Supervision & Eng	590	3,168	2,175	14	165	333	238	90	3	45	1	2	101
79	Maint-Structures	591	1,978	1,067	22	62	320	305	122	0	60	0	0	19
80	Maint-Substations	592	8,236	4,444	91	258	1,334	1,270	509	0	252	0	0	79
81	Maint-Overhead Lines	593	183,036	149,531	521	11,726	11,265	6,443	2,383	0	1,166	0	1	0
82	Maint-Underground Lines	594	11,150	4,902	17	384	2,535	2,284	673	0	354	0	0	0
83	Maint-Line Transformers	595	1,422	911	3	57	296	138	0	0	3	0	0	15
84	Maint-Outdoor Lighting	596	5,302	0	0	0	0	0	0	0	0	0	0	5,302
85	Maint-Electric Meters	597	695	447	3	40	158	15	6	13	0	5	7	0
86	Maint-Misc Distr Plant	599	3,888	2,560	15	202	482	332	96	1	49	0	0	151
87	Oper. & Maint. Exp.	500-599	1,002,741	662,059	8,208	38,389	113,171	66,803	23,620	7,327	9,665	9,096	52,784	11,617
88			1,002,741	662,059	8,208	38,389	113,171	66,803	23,620	7,327	9,665	9,096	52,784	11,617

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89	D. CUSTOMER ACCOUNTS AND SERVICE													
90	Supervision	901	856	758	6	37	38	5	2	2	0	1	2	3
91	Supervision- Collections	901Coll	163	147	1	7	5	1	0	0	0	0	0	1
92	Supervision- Competitive	901Comp	1,259	1,121	9	54	52	8	3	3	1	1	3	5
93	Meter Reading Exp- Comp	902Comp	2,316	1,489	11	132	528	49	22	44	1	17	24	0
94	Cust Recs & Coll	903	10,591	9,708	75	441	227	47	14	3	6	4	18	48
95	Cust Recs & Coll- Coll	903Coll	5,339	4,894	38	222	115	23	7	2	3	2	9	24
96	Cust Recs & Coll- Comp	903Comp	22,325	20,463	158	929	479	98	30	6	12	9	37	102
97	Uncollectible- Delivery	904	23,110	21,640	40	406	641	196	67	7	40	21	51	0
98	Uncollectible- Comm	904Comm	8,720	8,253	21	97	225	50	17	5	6	7	40	0
99	Misc Cust Acct	905	646	592	5	27	14	3	1	0	0	0	1	3
100	Misc Cust Acct Coll	905Coll	586	537	4	24	13	3	1	0	0	0	1	3
101	Misc Cust Acct- Comp	905Comp	4,659	4,270	33	194	100	20	6	1	3	2	8	21
102	Customer Accts. Exp.	901-905	80,570	73,872	400	2,571	2,437	502	169	74	73	65	195	211
103														
104	Supervision	907	44	17	0	2	9	9	4	0	2	0	0	0
105	Customer Assist	908	25,425	10,006	206	997	5,253	5,311	2,396	0	1,254	0	0	0
106	Low Inc Disc	908LI	23,484	14,230	162	915	2,855	2,021	738	179	343	317	1,290	434
107	SBC	908EDAd	155,047	60,965	1,543	3,387	20,919	20,859	9,024	3,051	3,955	7,392	22,942	1,010
107	Econ Dev	908Comp	11,000	6,665	76	429	1,337	946	346	84	161	149	604	203
108	ETIP/DSM	908EE	87,379	36,221	867	2,091	12,220	11,911	5,060	1,474	2,306	3,507	11,168	554
109	Customer Assistance	910	15,411	13,698	48	1,074	448	34	7	2	1	1	1	99
110	Customer Serv. Exp.		317,790	141,802	2,902	8,894	43,042	41,091	17,576	4,790	8,022	11,365	36,006	2,301
111	Customer Accts. & Serv. Exp	901-919	398,360	215,674	3,302	11,466	45,479	41,593	17,744	4,864	8,095	11,430	36,201	2,511
112														

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113	E. ADMINISTRATIVE AND GENERAL													
114	A&G-Salaries	920	70,807	45,280	377	3,399	8,403	5,927	2,330	274	1,163	392	1,386	1,876
115	A&G-Salaries COMP	920Comp	821	753	6	34	18	4	1	0	0	0	1	4
116	Major accounts	920Maj	346	0	0	0	315	24	5	1	0	0	1	0
117	A&G-Office Supp	921	40,878	26,141	218	1,962	4,851	3,422	1,345	158	671	226	800	1,083
118	A&G-Office Supp COLL	921Coll	19	15	0	1	1	1	0	0	0	0	0	0
119	A&G-Office Supp COMP	921Comp	53	49	0	2	1	0	0	0	0	0	0	0
120	A&G-Outside Servi	923	63,265	40,457	337	3,037	7,508	5,296	2,082	245	1,039	350	1,239	1,676
121	A&G-Programs	923Prog	0	0	0	0	0	0	0	0	0	0	0	0
122	A&G-Business	923Bus	0	0	0	0	0	0	0	0	0	0	0	0
123	A&G-Outside Serv COLL	923Coll	42	34	0	2	3	2	1	0	0	0	0	0
124	A&G-Outside Serv COMP	923Comp	381	243	2	18	57	33	15	2	7	1	1	1
125	Property Insurance	924	3,987	2,315	21	172	517	388	132	26	66	52	198	100
126	Injuries & Damages Insur	925	11,298	7,279	60	541	1,322	930	366	43	182	62	218	295
127	Empl Pensions & Bene	926	56,327	36,288	301	2,698	6,591	4,638	1,823	215	910	307	1,085	1,471
128	Regulatory Comm Expenses	928	9,731	5,483	57	394	1,289	990	345	73	172	149	563	217
129	A&G-Insti GW Adv	930110	615	343	4	25	83	64	22	5	11	9	36	14
130	A&G-Misc Expenses	930200	40,584	22,867	236	1,641	5,376	4,129	1,440	305	718	620	2,347	905
131	A&G-R&D	930210	0	0	0	0	0	0	0	0	0	0	0	0
132	A&G-Rents	931	62,292	37,967	327	2,829	7,492	5,519	1,910	366	952	737	2,750	1,442
133	A&G Maint-Gen Plant-Elec	935	2,469	1,591	13	118	289	203	80	9	40	13	48	64
134	Admin & Genl. Exp.	920-932	363,915	227,103	1,961	16,874	44,116	31,569	11,897	1,723	5,933	2,920	10,672	9,149
135	Total Operating Expenses		1,765,016	1,104,836	13,470	66,729	202,766	139,966	53,261	13,914	23,693	23,447	99,657	23,277
136														
137	II. DEPRECIATION EXPENSE													
138	Deprec exp- Tran		82,096	35,117	688	2,154	11,236	10,171	4,119	1,467	2,023	3,147	11,958	15
139	Deprec exp- Struct/Station		25,012	13,495	277	784	4,051	3,856	1,545	0	764	0	0	240
140	Deprec exp- PTF/OH/UG		78,798	56,318	196	4,416	8,390	6,397	2,037	0	1,043	0	1	0
141	Deprec exp- Xfrmrs		32,234	20,647	72	1,285	6,704	3,128	0	0	58	0	0	340
142	Deprec exp- Services		11,311	9,247	32	1,234	726	55	11	3	1	1	1	0
143	Deprec exp- Meters		28,258	18,166	131	1,611	6,437	593	262	533	18	210	297	0
144	Deprec exp- SL		9,893	0	0	0	0	0	0	0	0	0	0	9,893
145	Deprec exp- Genl		19,052	12,274	102	913	2,229	1,569	617	73	308	104	367	498
146	Amort Other Reg Assets		3,677	2,072	21	149	487	374	130	28	65	56	213	82
147	Depreciation Expense	403	290,331	167,336	1,520	12,545	40,260	26,142	8,721	2,103	4,280	3,518	12,837	11,069
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149	III. TAXES and OTHER													
150	A. GENERAL TAXES													
151	Municipal property tax	408140	213,016	119,739	1,180	8,312	28,183	22,331	7,544	1,436	3,797	3,079	11,701	5,715
152	Payroll related	408110	20,925	13,481	112	1,002	2,448	1,723	677	80	338	114	403	547
153	Other tax	408170	229	133	1	10	30	22	8	1	4	3	11	6
154	General Taxes		234,170	133,353	1,293	9,324	30,661	24,076	8,229	1,517	4,138	3,196	12,116	6,267
155														
156	B. FEDERAL / STATE INCOME TAXES													
157	Federal Income Tax Exp		(6,543)	(3,756)	(109)	(258)	(812)	(607)	(173)	(40)	(127)	(124)	(393)	(146)
158	State Income Tax Exp		11,207	6,434	187	441	1,390	1,039	297	68	217	212	673	249
159	Income Taxes	409-411	4,664	2,678	78	184	579	432	123	28	90	88	280	104
160	Total Taxes	408-411	238,834	136,030	1,371	9,508	31,240	24,508	8,352	1,545	4,229	3,285	12,396	6,371
161	Revenue taxes		0	0	0	0	0	0	0	0	0	0	0	0
162	TOTAL EXPENSES		2,294,181	1,408,202	16,360	88,782	274,266	190,616	70,334	17,562	32,202	30,250	124,890	40,716
163														
164	IV. OPERATING REVENUES at Present Rates													
165	Distribution revenue		1,589,433	995,745	11,790	71,821	190,559	134,069	45,878	7,048	24,922	15,008	49,100	43,491
166	Revenue taxes		0	0	0	0	0	0	0	0	0	0	0	0
167	Commodity revenue		570,529	379,726	6,155	17,142	66,801	33,927	11,435	5,216	3,655	5,250	38,531	2,691
168	CEF ETIP revenue		155,047	60,965	1,543	3,387	20,919	20,859	9,024	3,051	3,955	7,392	22,942	1,010
169	Wholesale transmission		216,182	92,472	1,811	5,673	29,586	26,784	10,847	3,864	5,328	8,287	31,489	40
170	Late Payments charges		13,553	12,691	24	238	376	115	39	4	24	12	30	0
171	Pole attachments		17,967	14,946	52	1,172	1,002	526	179	0	89	0	0	0
172	DLM / Load Control		3,392	2,169	18	163	403	284	112	13	56	19	66	90
173	Large Customer Discounts		(2,423)	(1,468)	(17)	(94)	(295)	(208)	(76)	(18)	(35)	(33)	(133)	(45)
174	CSS Restablishment		2,542	2,259	8	177	74	6	1	0	0	0	0	16
175	Special L Revenue		1,154	0	0	0	0	963	191	0	0	0	0	0
174	Merchant Function Charge		17,744	15,025	240	650	812	354	106	56	26	28	412	34
176	Other Revenue		46,698	28,295	322	1,820	5,677	4,018	1,468	356	682	631	2,566	862
177	Billing credit		(2,514)	(2,235)	(8)	(175)	(73)	(5)	(1)	(0)	(0)	(0)	(0)	(16)
178	Operating Revenues		2,629,304	1,600,593	21,939	101,974	315,842	221,690	79,203	19,590	38,701	36,594	145,004	48,175
179														
180	TOTAL EXPENSES		2,294,181	1,408,202	16,360	88,782	274,266	190,616	70,334	17,562	32,202	30,250	124,890	40,716
181	V. NET INCOME at Present Rates		335,123	192,390	5,579	13,191	41,576	31,074	8,869	2,028	6,499	6,344	20,114	7,458
182														

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Corrections and Updates
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Total
Sch. 2
Tot
Class All

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocations- Total

Line	Account	No.	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
183	SUMMARY REPORT													
184	Utility Revenues	440-446	1,589,433	995,745	11,790	71,821	190,559	134,069	45,878	7,048	24,922	15,008	49,100	43,491
185	Other Operating Revenues	450-456	1,039,871	604,848	10,148	30,152	125,283	87,621	33,325	12,542	13,779	21,586	95,904	4,683
186	Total Operating Revenues		2,629,304	1,600,593	21,939	101,974	315,842	221,690	79,203	19,590	38,701	36,594	145,004	48,175
187														
188	Distribution / Transmission	580-599	1,002,741	662,059	8,208	38,389	113,171	66,803	23,620	7,327	9,665	9,096	52,784	11,617
189	Customer Acctg & Service	901-919	398,360	215,674	3,302	11,466	45,479	41,593	17,744	4,864	8,095	11,430	36,201	2,511
190	Admin & General	920-932	367,592	229,174	1,982	17,023	44,603	31,943	12,027	1,750	5,998	2,977	10,885	9,231
191	Total Operating Expenses		1,768,693	1,106,908	13,491	66,878	203,253	140,340	53,392	13,941	23,758	23,503	99,870	23,359
192														
193	Depreciation Expense	403	286,654	165,264	1,498	12,397	39,773	25,768	8,590	2,075	4,215	3,462	12,625	10,987
194	Taxes Other Than Income Ta	408	234,170	133,353	1,293	9,324	30,661	24,076	8,229	1,517	4,138	3,196	12,116	6,267
195	Income before Income tax		339,787	195,068	5,657	13,375	42,154	31,507	8,992	2,056	6,590	6,433	20,394	7,562
196	Income Taxes	409-411	4,664	2,678	78	184	579	432	123	28	90	88	280	104
197	NET INCOME		335,123	192,390	5,579	13,191	41,576	31,074	8,869	2,028	6,499	6,344	20,114	7,458
198														
199	RATE BASE		6,488,503	3,655,934	37,780	262,416	859,494	660,094	230,281	48,719	114,767	99,146	375,195	144,679
200	Return on Rate Base		5.16%	5.26%	14.77%	5.03%	4.84%	4.71%	3.85%	4.16%	5.66%	6.40%	5.36%	5.16%
201														
202	REVENUE REQUIREMENTS													
203	Target Rate of Return		6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%
204	Rate Base		6,488,503	3,655,934	37,780	262,416	859,494	660,094	230,281	48,719	114,767	99,146	375,195	144,679
205														
206	Operating expenses		1,745,583	1,085,267	13,451	66,472	202,612	140,144	53,324	13,934	23,718	23,483	99,819	23,359
207	Uncollectibles- Delivery		24,491	22,934	43	431	680	207	71	8	43	22	54	0
208	Depreciation expense		286,654	165,264	1,498	12,397	39,773	25,768	8,590	2,075	4,215	3,462	12,625	10,987
209	General taxes / Other		234,170	133,353	1,293	9,324	30,661	24,076	8,229	1,517	4,138	3,196	12,116	6,267
210	Subtotal- Operating Costs to		2,290,898	1,406,818	16,285	88,623	273,726	190,196	70,215	17,534	32,114	30,163	124,613	40,612
211														
212	Target Return on Rate Base-		409,425	230,689	2,384	16,558	54,234	41,652	14,531	3,074	7,242	6,256	23,675	9,129
213	Income taxes to recover		30,953	17,440	180	1,252	4,100	3,149	1,099	232	547	473	1,790	690
214														
215	Subtotal- Rev Req before GR		2,731,276	1,654,948	18,849	106,433	332,060	234,996	85,844	20,841	39,903	36,892	150,078	50,432
216	GRT needed		0	0	0	0	0	0	0	0	0	0	0	0
217	TOTAL REVENUE REQ.		2,731,276	1,654,948	18,849	106,433	332,060	234,996	85,844	20,841	39,903	36,892	150,078	50,432
218														
219	Revenue at Present rates		2,629,304	1,600,593	21,939	101,974	315,842	221,690	79,203	19,590	38,701	36,594	145,004	48,175
220	Revenue Excess (Deficiency)		(101,972)	(54,355)	3,090	(4,460)	(16,218)	(13,306)	(6,641)	(1,251)	(1,202)	(298)	(5,074)	(2,257)

Exhibit_____ (E-RDP-3CU)
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Corrections and Updates
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Electric Rate Design Panel

Exhibit __ (E-RDP-3CU)

Allocated (Embedded) Class Cost of Service Study

Schedule 3

Revenue Requirement by Functional Classification

FuncClass
Sch. 3
Tot
Revenue

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022

Revenue Requirement By Functional Classification

	Account Description	Total	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	Demand-related												
2	Trans-mission	494,552	215,380	4,077	13,382	67,334	60,528	24,403	8,586	11,991	18,399	69,896	577
3	Primary Dist	273,955	98,010	1,897	5,560	65,840	62,609	25,261	61	12,563	124	461	1,570
4	Secondary Dist	136,580	78,558	290	4,804	31,603	18,769	219	41	572	84	308	1,333
5		905,087	391,948	6,264	23,747	164,776	141,905	49,882	8,688	25,126	18,606	70,665	3,479
6	Per kW / month-Transmission Level												
7	Trans-mission	$6.29	$6.45	$5.95	$6.90	$6.71	$6.34	$6.38	$6.09	$6.34	$6.15	$5.70	$0.97
8	Primary Dist	$3.49	$2.93	$2.77	$2.87	$6.56	$6.56	$6.61	$0.04	$6.64	$0.04	$0.04	$2.64
9	Secondary Dist	$1.74	$2.35	$0.42	$2.48	$3.15	$1.97	$0.06	$0.03	$0.30	$0.03	$0.03	$2.24
10	Total Per kW / month	$11.52	$11.73	$9.14	$12.24	$16.43	$14.87	$13.04	$6.16	$13.28	$6.22	$5.76	$5.85
11													
12	NCP-Transmission	6,549	2,784	57	162	836	795	319	117	158	249	1,022	50
13													
14	Customer-related												
15	Primary Dist	491,342	435,807	1,549	33,595	15,710	2,429	689	91	263	185	678	345
16	Secondary Dist	191,821	131,412	475	11,432	6,235	1,122	284	55	133	100	360	40,214
17	Billing	262,405	169,187	1,595	12,551	39,906	19,086	8,169	1,981	3,828	1,301	3,548	1,254
18		945,568	736,407	3,620	57,578	61,852	22,637	9,141	2,126	4,224	1,585	4,587	41,812
19	Per monthly bill												
20	Primary Dist	$24.08	$24.03	$24.53	$23.62	$26.50	$54.43	$77.70	$42.59	$320.32	$220.29	$572.38	$2.62
21	Secondary Dist	$9.40	$7.25	$7.53	$8.04	$10.52	$25.15	$31.98	$25.72	$161.42	$118.81	$303.84	$305.89
22	Billing	$12.86	$9.33	$25.27	$8.83	$67.32	$427.69	$921.24	$931.65	$4,655.92	$1,550.97	$2,993.05	$9.54
23	**Per bill**	$46.34	$40.61	$57.33	$40.49	$104.35	$507.27	$1,030.92	$999.96	$5,137.66	$1,890.06	$3,869.27	$318.04
24													
25	Number of Bills	20,402,924	18,135,032	63,142	1,422,074	592,744	44,626	8,867	2,126	822	839	1,185	131,467
26													
27	Regulatory Asset Amortization												
28	Regulatory	276,993	116,662	2,611	6,876	37,718	36,287	15,312	4,784	6,872	11,427	36,109	2,336
29	Per MWh	$8.0758	$9.6209	$8.5071	$10.2060	$9.0565	$8.4657	$7.8242	$6.5003	$6.6737	$6.8898	$5.0437	$11.6223
30	Number of MWh	34,299,054	12,125,957	306,904	673,685	4,164,757	4,286,338	1,956,950	735,992	1,029,745	1,658,483	7,159,291	200,952
31													
32	Competitive												
33	Comp Supply	581,954	390,080	6,201	17,332	67,243	34,067	11,478	5,236	3,668	5,265	38,678	2,705
34	Comp Collection	4,496	4,116	32	187	98	21	6	1	3	2	8	21
35	Comp Billing	17,179	15,735	121	714	373	79	24	5	10	7	30	79
36		603,628	409,931	6,354	18,234	67,714	34,167	11,509	5,243	3,681	5,274	38,717	2,805
37	Per monthly bill												
38	Comp Supply	$28.52	$21.51	$98.21	$12.19	$113.44	$763.40	$1,294.47	$2,462.60	$4,461.77	$6,278.49	$32,629.19	$20.58
39	Comp Collection	$0.22	$0.23	$0.50	$0.13	$0.17	$0.47	$0.73	$0.65	$3.35	$2.38	$6.93	$0.16
40	Comp Billing	$0.84	$0.87	$1.92	$0.50	$0.63	$1.77	$2.70	$2.44	$12.42	$8.81	$25.69	$0.60
41		$29.59	$22.60	$100.63	$12.82	$114.24	$765.65	$1,297.90	$2,465.70	$4,477.54	$6,289.68	$32,661.81	$21.34
42													
43	Total revenue requiremen	2,731,276	1,654,948	18,849	106,433	332,060	234,996	85,844	20,841	39,903	36,892	150,078	50,432

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Schedule 3
Corrections and Updates
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Electric Rate Design Panel

Exhibit __ (E-RDP-3CU)

Allocated (Embedded) Class Cost of Service Study

Schedule 4

Customer Charge Costs in Revenue Requirement

Customer
Sch. 4
Tot
Custome

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Customer-Charge Costs In Revenue Requirement

Allocation

	Account Description	Total	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	Service cost, net	266,342	217,732	758	29,058	17,107	1,288	256	61	24	24	34	0
2	Meter cost, net	157,057	100,966	730	8,954	35,774	3,295	1,458	2,962	98	1,168	1,651	0
3	Transformer cost, net	744,160	476,671	1,660	29,665	154,762	72,215	0	0	1,330	0	0	7,857
4	ADIT- Services / Meters / Xfmrs	(271,128)	(188,125)	(724)	(16,928)	(45,263)	(16,643)	(343)	(557)	(313)	(220)	(310)	(1,703)
5	Service / Meter-Related Rate Base	896,431	607,243	2,424	50,750	162,380	60,155	1,371	2,467	1,138	973	1,375	6,155
6	Rate of return on rate base	6.31%	6.31%	6.31%	6.31%	6.31%	6.31%	6.31%	6.31%	6.31%	6.31%	6.31%	6.31%
7	Return on Service / Meter rate base	56,565	38,317	153	3,202	10,246	3,796	87	156	72	61	87	388
8	Income tax gross-up	4,276	2,897	12	242	775	287	7	12	5	5	7	29
9	Customer-charge return component	60,841	41,214	165	3,444	11,021	4,083	93	167	77	66	93	418
10													
11	Meter expenses	12,097	7,777	56	690	2,755	254	112	228	8	90	127	0
12	Meter maintenance	695	447	3	40	158	15	6	13	0	5	7	0
13	Maintenence-Line Transformers	1,422	911	3	57	296	138	0	0	3	0	0	15
14	Service depreciation expense	11,311	9,247	32	1,234	726	55	11	3	1	1	1	0
15	Meter depreciation expense	28,258	18,166	131	1,611	6,437	593	262	533	18	210	297	0
16	Transformers depreciation expense	32,234	20,647	72	1,285	6,704	3,128	0	0	58	0	0	340
17	Property tax- Transformers	34,492	20,834	120	1,239	7,908	4,060	0	0	87	0	0	246
18	Customer records and collection	48,740	43,979	339	2,068	1,571	257	85	61	27	38	104	211
19	Uncollectible- Delivery	23,110	21,640	40	406	641	196	67	7	40	21	51	0
20	Customer assistance expense	317,790	141,802	2,902	8,894	43,042	41,091	17,576	4,790	8,022	11,365	36,006	2,301
21	Labor-related costs	94,434	57,950	707	3,494	11,192	6,630	2,764	1,150	1,195	2,171	6,721	460
22	Customer-charge expense component	604,583	343,400	4,407	21,018	81,430	56,415	20,884	6,785	9,458	13,901	43,315	3,573
23													
24	Customer-charge total	665,425	384,614	4,571	24,462	92,451	60,498	20,977	6,952	9,535	13,967	43,408	3,990
25													
26	Number of Bills	20,402,924	18,135,032	63,142	1,422,074	592,744	44,626	8,867	2,126	822	839	1,185	131,467
27													
28	**Customer-charge Components**	**$32.61**	**$21.21**	**$72.40**	**$17.20**	**$155.97**	**$1,355.68**	**$2,365.68**	**$3,269.66**	**$11,598.38**	**$16,656.19**	**$36,619.02**	**$30.35**
29	w/o Cust Assist												

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Schedule 4
Corrections and Updates
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Customer
Sch. 4
Tot
Custome

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Customer-Charge Costs In Revenue Requirement

	Account Description	Total	Allocation 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
30	Utility Plant in Service- Cost	11,600,504	6,734,329	62,488	501,236	1,504,789	1,128,806	384,191	74,995	192,240	152,503	575,041	289,886
31	Services / Meters / Xfrmrs % of Plant	16.1%	19.2%	8.0%	23.3%	20.7%	10.2%	0.6%	5.1%	1.1%	1.0%	0.4%	4.0%
32	ADIT	(1,684,817)	(978,071)	(9,076)	(72,798)	(218,550)	(163,944)	(55,799)	(10,892)	(27,920)	(22,149)	(83,517)	(42,102)
33													
34	Transformers % Taxable Plant	17.5%	17.4%	10.2%	14.9%	28.1%	18.2%	0.0%	0.0%	2.3%	0.0%	0.0%	4.3%
35	Municipal property tax	213,016	119,739	1,180	8,312	28,183	22,331	7,544	1,436	3,797	3,079	11,701	5,715
36													
37	Income tax gross-up	7.56%	7.56%	7.56%	7.56%	7.56%	7.56%	7.56%	7.56%	7.56%	7.56%	7.56%	7.56%
38													
39	Labor costs included above	59,305	37,322	453	2,242	7,007	4,141	1,765	667	763	1,149	3,499	297
40	Total Labor costs	235,370	151,633	1,260	11,274	27,540	19,382	7,617	897	3,801	1,283	4,536	6,148
41	Portion of Labor included above	25.20%	24.61%	35.93%	19.89%	25.44%	21.37%	23.17%	74.32%	20.08%	89.57%	77.13%	4.84%
42													
43	**Labor-related Costs**												
44	A&G-Salaries	71,974	46,032	383	3,433	8,735	5,954	2,336	276	1,164	393	1,388	1,880
45	A&G-Office Supplies	40,950	26,205	218	1,965	4,854	3,423	1,345	158	671	226	800	1,083
46	A&G-Rents / General Plant	64,761	39,558	340	2,947	7,781	5,723	1,990	375	992	750	2,797	1,507
47	A&G Outside services	63,265	40,457	337	3,037	7,508	5,296	2,082	245	1,039	350	1,239	1,676
48	Injuires & Damages	11,298	7,279	60	541	1,322	930	366	43	182	62	218	295
49	Employee benefits	56,327	36,288	301	2,698	6,591	4,638	1,823	215	910	307	1,085	1,471
50	PR taxes	20,925	13,481	112	1,002	2,448	1,723	677	80	338	114	403	547
51	General / Common Plant	40,581	26,143	217	1,944	4,748	3,342	1,313	155	655	221	782	1,060
52	Total Labor-related costs	370,081	235,442	1,969	17,568	43,987	31,029	11,932	1,547	5,951	2,424	8,713	9,519

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Electric Rate Design Panel

Exhibit __ (E-RDP-3CU)

Allocated (Embedded) Class Cost of Service Study

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Niagara Mohawk Power Corporation d/b/a National Grid
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Line	Account	No.	Balance	Allocator	Trans-mission	Primary Dist	Secondary Dist	Billing	Regulatory	Comp Supply	Comp Collection	Comp Billing
1	I. ELECTRIC PLANT IN SERVICE											
2	INTANGIBLE PLANT											
3	Organization	302	21,732	Plant-TD	7,611	8,556	5,176	389	-	-	-	-
4	Intangible Plant		21,732		7,611	8,556	5,176	389	-	-	-	-
5												
6	C. TRANSMISSION PLANT											
7	Transmission Plant	361	3,846,266	Tran	3,846,266	-	-	-	-	-	-	-
8	Transmission Plant	350-359	3,846,266		3,846,266	-	-	-	-	-	-	-
9												
10	D. DISTRIBUTION PLANT											
11	Land and land rights	360	63,116	Stations	-	63,116	-	-	-	-	-	-
12	Structures and impr.	361	55,622	Stations	-	55,622	-	-	-	-	-	-
13	Station equipment	362	973,127	Stations	-	973,127	-	-	-	-	-	-
14	Poles, towers and fixtures	364	1,342,040	Func-364	-	831,819	510,221	-	-	-	-	-
15	OH conductors, devices	365	1,501,566	Func-365	-	1,466,841	34,725	-	-	-	-	-
16	UG conduits	366	266,245	Func-366	-	153,466	112,779	-	-	-	-	-
17	UG conductors, devices	367	790,738	Func-367	-	768,795	21,943	-	-	-	-	-
18	Line transformers	368	1,110,485	Sec	-	-	1,110,485	-	-	-	-	-
19	Services	369	559,898	Sec	-	-	559,898	-	-	-	-	-
20	Meters	370	196,422	Meters	-	-	-	196,422	-	-	-	-
21	Installs customer premises	371	14,643	Sec	-	-	14,643	-	-	-	-	-
22	Street lighting, signals	373	250,701	Sec	-	-	250,701	-	-	-	-	-
23	346/363 -Solar / Battery Storag	374	10,879	Prim	-	10,879	-	-	-	-	-	-
24	Distribution Plant	360-373	7,135,482		-	4,323,665	2,615,395	196,422	-	-	-	-
25												
26	E. GENERAL PLANT											
27	General Plant	389	341,060	Labor	42,805	153,805	46,831	91,776	-	19	1,684	4,142
28	Common Plant	391	255,964	Labor	32,125	115,430	35,146	68,877	-	14	1,264	3,108
29	General Plant	389-399	597,024		74,929	269,235	81,977	160,653	-	32	2,947	7,250
30												
31	TOTAL UTILITY PLANT		11,600,504		3,928,807	4,601,457	2,702,547	357,463	-	32	2,947	7,250
32												

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Line	Account	No.	Balance	Allocator	Trans-mission	Primary Dist	Secondary Dist	Billing	Regulatory	Comp Supply	Comp Collection	Comp Billing
33	II. DEPRECIATION RESERVE											
34	Franchises and consents	108.3	6,558	Plant-TD	2,297	2,582	1,562	117	-	-	-	-
35	Transmission Plant	108.5	705,320	Tran	705,320	-	-	-	-	-	-	-
36	Land Rts, Subst, Struct	108.5	241,701	Stations	-	241,701	-	-	-	-	-	-
37	PTF / OH / UG	108.5	1,341,410	PTF-OH-UG	-	1,107,673	233,737	-	-	-	-	-
38	Line Transformers	108.5	366,325	Sec	-	-	366,325	-	-	-	-	-
39	Services	108.5	293,556	Sec	-	-	293,556	-	-	-	-	-
40	Meters	108.5	39,365	Meters	-	-	-	39,365	-	-	-	-
41	Lighting	108.5	87,284	Sec	-	-	87,284	-	-	-	-	-
42	Customer premises	108.5	8,635	Sec	-	-	8,635	-	-	-	-	-
43	General Plant	108.6	279,821	Labor	35,119	126,189	38,422	75,297	-	15	1,381	3,398
44	Depreciation Reserve	108	3,369,975		742,736	1,478,144	1,029,521	114,779	-	15	1,381	3,398
45												
46	III. OTHER RATE BASE ITEMS											
47	Other Reg Assets	Other Reg A	(142,835)	Regulatory	-	-	-	-	(142,835)	-	-	-
48	Materials and Supplies	Materials and	42,050	OpExp_xPP	7,179	18,308	5,632	9,903	-	50	199	779
49	Prepayments	Prepayments	(25,898)	OpExp_xPP	(4,421)	(11,276)	(3,469)	(6,099)	-	(31)	(123)	(480)
50	Other Net Plant	Other Net Pl	0	Comp-Sup	-	-	-	-	-	-	-	-
51	Cash Working Capital	Cash Workin	115,029	OpExp_xPP	19,637	50,082	15,406	27,091	-	136	545	2,132
52	Cash Working Cap- Comm	Change in St	24,273	Comp-Sup	-	-	-	-	-	24,273	-	-
53	Accumulated Deferred FIT	Accumulated	(1,684,817)	Plant	(570,606)	(668,300)	(392,509)	(51,917)	-	(5)	(428)	(1,053)
54	Non Interest Bearing CWIP	Non Interest	77,741	Plant	26,329	30,837	18,111	2,396	-	0	20	49
55	EBCap Adjustment	EBCap Adju	(147,569)	RB_xComp	(58,267)	(55,616)	(28,786)	(4,900)	-	-	-	-
56	Other Rate Base	131-283	(1,742,026)		(580,150)	(635,964)	(385,614)	(23,527)	(142,835)	24,424	213	1,427
57												
58	TOTAL RATE BASE		6,488,503		2,605,921	2,487,348	1,287,412	219,157	(142,835)	24,441	1,779	5,279
59			*6,488,503*	*Check*								

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Line	Account	No.	Balance	Allocator	Trans-mission	Primary Dist	Secondary Dist	Billing	Regulatory	Comp Supply	Comp Collection	Comp Billing
60	I. OPERATING AND MAINTENANCE EXPENSES											
61	B. TRANSMISSION EXPENSE											
62	Transmission Expense		0	None	-	-	-	-	-	-	-	-
63	Transmission Expense		0		-	-	-	-	-	-	-	-
64												
65	C. DISTRIBUTION EXPENSE											
66	Purchased Power	555	570,529	Comp-Sup	-	-	-	-	-	570,529	-	-
67	Transmission O&M	580	96,343	Tran	96,343	-	-	-	-	-	-	-
68	Oper-Supervision & Eng	580	13,529	Dist-Lab	-	9,364	2,289	1,876	-	-	-	-
69	Oper-Load Dispatching	581	10,003	Prim	-	10,003	-	-	-	-	-	-
70	Oper-Substations	582	5,618	Stations	-	5,618	-	-	-	-	-	-
71	Oper-Overhead Lines	583	18,229	OH_Total	-	14,736	3,493	-	-	-	-	-
72	Oper-Underground Lines	584	8,542	UG_Total	-	7,453	1,089	-	-	-	-	-
73	Oper-Outdoor Lighting	585	1,164	Sec	-	-	1,164	-	-	-	-	-
74	Oper-Electric Meters	586	12,097	MeterSvc	-	-	-	12,097	-	-	-	-
75	Oper-Customer Install.	587	6,696	MeterSvc	-	-	-	6,696	-	-	-	-
76	Oper-Misc Expenses	588	40,588	DistPT	-	24,594	14,877	1,117	-	-	-	-
77	Oper-Rents	589	528	Dist-Lab	-	365	89	73	-	-	-	-
78	Maint-Supervision & Eng	590	3,168	Dist-Lab	-	2,193	536	439	-	-	-	-
79	Maint-Structures	591	1,978	Stations	-	1,978	-	-	-	-	-	-
80	Maint-Substations	592	8,236	Stations	-	8,236	-	-	-	-	-	-
81	Maint-Overhead Lines	593	183,036	OH_Total	-	147,959	35,077	-	-	-	-	-
82	Maint-Underground Lines	594	11,150	UG_Total	-	9,729	1,421	-	-	-	-	-
83	Maint-Line Transformers	595	1,422	Sec	-	-	1,422	-	-	-	-	-
84	Maint-Outdoor Lighting	596	5,302	Sec	-	-	5,302	-	-	-	-	-
85	Maint-Electric Meters	597	695	MeterSvc	-	-	-	695	-	-	-	-
86	Maint-Misc Distr Plant	599	3,888	DistPT	-	2,356	1,425	107	-	-	-	-
87	Oper. & Maint. Exp.	500-599	1,002,741		96,343	244,583	68,185	23,101	-	570,529	-	-
88			*1,002,741*	*Check*	96,343	244,583	68,185	23,101	-	570,529	-	-

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Line	Account	No.	Balance	Allocator	Trans-mission	Primary Dist	Secondary Dist	Billing	Regulatory	Comp Supply	Comp Collection	Comp Billing
89	D. CUSTOMER ACCOUNTS AND SERVICE											
90	Supervision	901	856	Lab-CustAcct	-	-	-	685	-	1	51	119
91	Supervision- Collections	901Coll	163	Coll	-	-	-	64	-	-	99	-
92	Supervision- Competitive	901Comp	1,259	Comp-901	-	-	-	856	-	-	-	403
93	Meter Reading Exp- Comp	902Comp	2,316	Bill	-	-	-	2,316	-	-	-	-
94	Cust Recs & Coll	903	10,591	Bill	-	-	-	10,591	-	-	-	-
95	Cust Recs & Coll- Coll	903Coll	5,339	Coll	-	-	-	2,081	-	-	3,258	-
96	Cust Recs & Coll- Comp	903Comp	22,325	Comp-903	-	-	-	8,805	-	138	-	13,382
97	Uncollectible- Delivery	904	23,110	RRPF_904Del	-	14,367	7,436	1,266	-	-	10	30
98	Uncollectible- Comm	904Comm	8,720	Comp-Sup	-	-	-	-	-	8,720	-	-
99	Misc Cust Acct	905	646	Bill	-	-	-	646	-	-	-	-
100	Misc Cust Acct Coll	905Coll	586	Coll	-	-	-	228	-	-	358	-
101	Misc Cust Acct- Comp	905Comp	4,659	Comp-905	-	-	-	3,157	-	-	-	1,502
102	Customer Accts. Exp.	901-905	80,570		-	14,367	7,436	30,694	-	8,859	3,777	15,438
103												
104	Supervision	907	44	Bill	-	-	-	44	-	-	-	-
105	Customer Assist	908	25,425	Bill	-	-	-	25,425	-	-	-	-
106	Low Inc Disc	908LI	23,484	Bill	-	-	-	23,484	-	-	-	-
107	SBC	908EDAdv	155,047	Regulatory	-	-	-	-	155,047	-	-	-
107	Econ Dev	908Comp	11,000	Bill	-	-	-	11,000	-	-	-	-
108	ETIP/DSM	908EE	87,379	Regulatory	-	-	-	-	87,379	-	-	-
109	Customer Assistance	910	15,411	Bill	-	-	-	15,411	-	-	-	-
110	Customer Serv. Exp.		317,790		-	-	-	75,364	242,426	-	-	-
111	Customer Accts. & Serv. Exp.	901-919	398,360		-	14,367	7,436	106,058	242,426	8,859	3,777	15,438
112												

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Line	Account	No.	Balance	Allocator	Trans-mission	Primary Dist	Secondary Dist	Billing	Regulatory	Comp Supply	Comp Collection	Comp Billing
113	E. ADMINISTRATIVE AND GENERAL											
114	A&G-Salaries	920	70,807	Labor_xC	9,042	32,488	9,892	19,386	-	-	-	-
115	A&G-Salaries COMP	920Comp	821	Comp-920	-	-	-	-	-	821	-	-
116	Major accounts	920Maj	346	Bill	-	-	-	346	-	-	-	-
117	A&G-Office Supp	921	40,878	Labor_xC	5,220	18,756	5,711	11,192	-	-	-	-
118	A&G-Office Supp COLL	921Coll	19	Coll	-	-	-	7	-	-	12	-
119	A&G-Office Supp COMP	921Comp	53	Comp-921	-	-	-	-	-	53	-	-
120	A&G-Outside Servi	923	63,265	Labor_xC	8,078	29,028	8,838	17,321	-	-	-	-
121	A&G-Programs	923Prog	0	Bill	-	-	-	-	-	-	-	-
122	A&G-Business	923Bus	0	Bill	-	-	-	-	-	-	-	-
123	A&G-Outside Serv COLL	923Coll	42	Coll	-	-	-	16	-	-	26	-
124	A&G-Outside Serv COMP	923Comp	381	Comp-923	-	-	-	351	-	27	-	3
125	Property Insurance	924	3,987	Plant	1,350	1,581	929	123	-	0	1	2
126	Injuries & Damages Insur	925	11,298	Labor	1,418	5,095	1,551	3,040	-	1	56	137
127	Empl Pensions & Bene	926	56,327	Labor	7,069	25,401	7,734	15,157	-	3	278	684
128	Regulatory Comm Expenses	928	9,731	Bill	-	-	-	9,731	-	-	-	-
129	A&G-Insti GW Adv	930110	615	RB_xComp	243	232	120	20	-	-	-	-
130	A&G-Misc Expenses	930200	40,584	Regulatory	-	-	-	-	40,584	-	-	-
131	A&G-R&D	930210	0	None	-	-	-	-	-	-	-	-
132	A&G-Rents	931	62,292	Plant	21,097	24,709	14,512	1,919	-	0	16	39
133	A&G Maint-Gen Plant-Elec	935	2,469	Labor	310	1,113	339	664	-	0	12	30
134	Admin & Genl. Exp.	920-932	363,915		53,827	138,403	49,626	79,274	40,584	905	400	895
135	Total Operating Expenses		1,765,016		150,170	397,354	125,247	208,433	283,010	580,293	4,177	16,333
136												
137	II. DEPRECIATION EXPENSE											
138	Deprec exp- Tran	403Tx	82,096	Tran	82,096	-	-	-	-	-	-	-
139	Deprec exp- Struct/Station	403Dx	25,012	Stations	-	25,012	-	-	-	-	-	-
140	Deprec exp- PTF/OH/UG	403Dx	78,798	PTF-OH-UG	-	65,068	13,730	-	-	-	-	-
141	Deprec exp- Xfrmrs	403Dx	32,234	Sec	-	-	32,234	-	-	-	-	-
142	Deprec exp- Services	403Dx	11,311	Sec	-	-	11,311	-	-	-	-	-
143	Deprec exp- Meters	403Dx	28,258	Meters	-	-	-	28,258	-	-	-	-
144	Deprec exp- SL	403Dx	9,893	Sec	-	-	9,893	-	-	-	-	-
145	Deprec exp- Genl	403Gx	19,052	Labor	2,391	8,592	2,616	5,127	-	1	94	231
146	Amort Other Reg Assets	407300	3,677	Regulatory	-	-	-	-	3,677	-	-	-
147	Depreciation Expense	403	290,331		84,487	98,671	69,784	33,385	3,677	1	94	231
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Line	Account	No.	Balance	Allocator	Trans-mission	Primary Dist	Secondary Dist	Billing	Regulatory	Comp Supply	Comp Collection	Comp Billing
149	III. TAXES and OTHER											
150	A. GENERAL TAXES											
151	Municipal property tax	408140	213,016	Plant-TD-Tax	80,326	90,069	42,621	-	-	-	-	-
152	Payroll related	408110	20,925	Labor	2,626	9,436	2,873	5,631	-	1	103	254
153	Other tax	408170	229	Plant	78	91	53	7	-	0	0	0
154	General Taxes		234,170		83,030	99,596	45,548	5,638	-	1	103	254
155												
156	B. FEDERAL / STATE INCOME TAXES											
157	Federal Income Tax Exp		(6,543)	PreTax	(2,605)	(2,456)	(1,278)	(202)	156	(154)	(1)	(3)
158	State Income Tax Exp		11,207	PreTax	4,461	4,207	2,189	346	(268)	263	2	6
159	Income Taxes	409-411	4,664		1,857	1,751	911	144	(111)	110	1	2
160	Total Taxes	408-411	238,834		84,886	101,347	46,459	5,782	(111)	111	104	257
161	Revenue taxes		0	None	-	-	-	-	-	-	-	-
162	TOTAL EXPENSES		2,294,181		319,543	597,372	241,491	247,599	286,576	580,404	4,375	16,821
163												
164	IV. OPERATING REVENUES at Present Rates											
165	Distribution revenue		1,589,433	RevReqPF	236,328	702,059	294,135	209,450	123,528	-	4,439	19,493
166	Revenue taxes		0	None	-	-	-	-	-	-	-	-
167	Commodity revenue		570,529	Comp-Sup	-	-	-	-	-	570,529	-	-
168	CEF ETIP revenue		155,047	Regulatory	-	-	-	-	155,047	-	-	-
169	Wholesale transmission		216,182	Tran	216,182	-	-	-	-	-	-	-
170	Late Payments charges		13,553	RRPF_904Del	-	8,426	4,361	742	-	-	6	18
171	Pole attachments		17,967	Func-364	-	11,136	6,831	-	-	-	-	-
172	DLM / Load Control		3,392	Labor_xC	433	1,556	474	929	-	-	-	-
173	Large Customer Discounts		(2,423)	Bill	-	-	-	(2,423)	-	-	-	-
174	CSS Restablishment		2,542	Bill	-	-	-	2,542	-	-	-	-
175	Special L Revenue		1,154	Sec	-	-	1,154	-	-	-	-	-
174	Merchant Function Charge		17,744	Comp-Sup	-	-	-	-	-	17,744	-	-
176	Other Revenue		46,698	Bill	-	-	-	46,698	-	-	-	-
177	Billing credit		(2,514)	Comp-Bill	-	-	-	-	-	-	-	(2,514)
178	Operating Revenues		2,629,304		452,943	723,177	306,955	257,939	278,575	588,273	4,445	16,997
179												
180	TOTAL EXPENSES		2,294,181		319,543	597,372	241,491	247,599	286,576	580,404	4,375	16,821
181	V. NET INCOME at Present Rates		335,123		133,400	125,805	65,464	10,340	(8,001)	7,869	70	176
182			*335,123*	*Check*								

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183	SUMMARY REPORT											
184	Utility Revenues	440-446	1,589,433		236,328	702,059	294,135	209,450	123,528	-	4,439	19,493
185	Other Operating Revenues	450-456	1,039,871		216,615	21,118	12,820	48,488	155,047	588,273	6	(2,496)
186	Total Operating Revenues		2,629,304		452,943	723,177	306,955	257,939	278,575	588,273	4,445	16,997
187												
188	Distribution / Transmission	580-599	1,002,741		96,343	244,583	68,185	23,101	-	570,529	-	-
189	Customer Acctg & Service	901-919	398,360		-	14,367	7,436	106,058	242,426	8,859	3,777	15,438
190	Admin & General	920-932	367,592		53,827	138,403	49,626	79,274	44,261	905	400	895
191	Total Operating Expenses		1,768,693		150,170	397,354	125,247	208,433	286,687	580,293	4,177	16,333
192												
193	Depreciation Expense	403	286,654		84,487	98,671	69,784	33,385	-	1	94	231
194	Taxes Other Than Income Tax	408	234,170		83,030	99,596	45,548	5,638	-	1	103	254
195	Income before Income tax		339,787		135,256	127,556	66,375	10,484	(8,112)	7,978	71	179
196	Income Taxes	409-411	4,664		1,857	1,751	911	144	(111)	110	1	2
197	NET INCOME		335,123		133,400	125,805	65,464	10,340	(8,001)	7,869	70	176
198												
199	RATE BASE		6,488,503		2,605,921	2,487,348	1,287,412	219,157	(142,835)	24,441	1,779	5,279
200	Return on Rate Base		5.1649%		5.1%	5.1%	5.1%	4.7%	5.6%	32.2%	3.9%	3.3%
201												
202	REVENUE REQUIREMENTS											
203	Target Rate of Return		6.31%		6.31%	6.31%	6.31%	6.31%	6.31%	6.31%	6.3100%	6.3100%
204	Rate Base		6,488,503		2,605,921	2,487,348	1,287,412	219,157	(142,835)	24,441	1,779	5,279
205												
206	Operating expenses		1,745,583		150,170	382,986	117,811	207,167	286,687	580,293	4,167	16,302
207	Uncollectibles- Delivery		24,491	RRPF_904Del	0	15,226	7,881	1,342	0	0	11	32
208	Depreciation expense		286,654		84,487	98,671	69,784	33,385	0	1	94	231
209	General taxes / Other		234,170		83,030	99,596	45,548	5,638	0	1	103	254
210	Subtotal- Operating Costs to recover		2,290,898		317,687	596,479	241,024	247,531	286,687	580,295	4,375	16,820
211												
212	Target Return on Rate Base- After taxes		409,425		164,434	156,952	81,236	13,829	(9,013)	1,542	112	333
213	Income taxes to recover		30,953	RateBase	12,431	11,866	6,142	1,045	(681)	117	8	25
214				7.03%								
215	Subtotal- Rev Req before GRT		2,731,276	7.56%	494,552	765,297	328,401	262,405	276,993	581,954	4,496	17,179
216	GRT needed			0.00%	0	0	0	0	0	0	0	0
217	TOTAL REVENUE REQ.		2,731,276		494,552	765,297	328,401	262,405	276,993	581,954	4,496	17,179

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Corrections and Updates
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Electric Rate Design Panel

Exhibit __ (E-RDP-3CU)

Allocated (Embedded) Class Cost of Service Study

Schedule 6

Classification

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022

Totals Intact = TRUE
Allocators Found = TRUE

Line	Account	No.	Classification Primary Dist Total		Primary Dist Demand	Primary Dist Customer		Secondary Dist Total		Secondary Dist Demand	Secondary Dist Customer	
1	I. ELECTRIC PLANT IN SERVICE											
2	INTANGIBLE PLANT											
3	Organization	302	8,556	PriDist	3,487	5,069	-	5,176	SecDist	2,447	2,729	-
4	Intangible Plant		8,556		3,487	5,069	-	5,176		2,447	2,729	-
5												
6	C. TRANSMISSION PLANT						-					-
7	Transmission Plant	361	0	Demand	0	0	-	0	Demand	0	0	-
8	Transmission Plant	350-359	0		0	0	-	0		0	0	-
9												
10	D. DISTRIBUTION PLANT											
11	Land and land rights	360	63,116	Demand	63,116	0	-	0	Demand	0	0	-
12	Structures and impr.	361	55,622	Demand	55,622	0	-	0	Demand	0	0	-
13	Station equipment	362	973,127	Demand	973,127	0	-	0	Demand	0	0	-
14	Poles, towers and fixtures	364	831,819	Pri364	86,455	745,364	-	510,221	Sec364	8,154	502,067	-
15	OH conductors, devices	365	1,466,841	Pri365	152,457	1,314,385	-	34,725	Sec365	555	34,170	-
16	UG conduits	366	153,466	Pri366	69,976	83,490	-	112,779	Sec366	98,026	14,753	-
17	UG conductors, devices	367	768,795	Pri367	350,547	418,248	-	21,943	Sec367	19,073	2,870	-
18	Line transformers	368	0	Pri368	0	0	-	1,110,485	Sec368	1,110,485	0	-
19	Services	369	0	None	0	0	-	559,898	Customer	0	559,898	-
20	Meters	370	0	None	0	0	-	0	None	0	0	-
21	Installs customer premises	371	0	None	0	0	-	14,643	Customer	0	14,643	-
22	Street lighting, signals	373	0	None	0	0	-	250,701	Customer	0	250,701	-
23	346/363 -Solar / Battery Storage	374	10,879	Demand	10,879	0	-	0	None	0	0	-
24	Distribution Plant	360-373	4,323,665		1,762,179	2,561,486	-	2,615,395		1,236,293	1,379,102	-
25												
26	E. GENERAL PLANT											
27	General Plant	389	153,805	PriLabor	51,980	101,825	-	46,831	SecLabor	10,109	36,722	-
28	Common Plant	391	115,430	PriLabor	39,011	76,419	-	35,146	SecLabor	7,586	27,560	-
29	General Plant	389-399	269,235		90,992	178,244	-	81,977		17,695	64,282	-
30												
31	TOTAL UTILITY PLANT		4,601,457		1,856,658	2,744,799	-	2,702,547		1,256,434	1,446,113	-
32												

Exhibit_____ (E-RDP-3CU)
Schedule 6
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022

Totals Intact = TRUE
Allocators Found = TRUE

Line	Account	No.	Classification: Primary Dist Total		Primary Dist Demand	Primary Dist Customer		Secondary Dist Total		Secondary Dist Demand	Secondary Dist Customer	
33	II. DEPRECIATION RESERVE											
34	Franchises and consents	108.3	2,582	PriDist	1,052	1,530	-	1,562	SecDist	738	824	-
35	Transmission Plant	108.5	0	None	0	0	-	0	None	0	0	-
36	Land Rts, Subst, Struct	108.5	241,701	Demand	241,701	0	-	0	None	0	0	-
37	PTF / OH / UG	108.5	1,107,673	Pri364-367	226,779	880,893	-	233,737	Sec364-367	43,265	190,472	-
38	Line Transformers	108.5	0	None	0	0	-	366,325	Sec368	366,325	0	-
39	Services	108.5	0	None	0	0	-	293,556	Customer	0	293,556	-
40	Meters	108.5	0	None	0	0	-	0	None	0	0	-
41	Lighting	108.5	0	None	0	0	-	87,284	Customer	0	87,284	-
42	Customer premises	108.5	0	None	0	0	-	8,635	Customer	0	8,635	-
43	General Plant	108.6	126,189	PriLabor	42,647	83,542	-	38,422	SecLabor	8,293	30,128	-
44	Depreciation Reserve	108	1,478,144		512,180	965,965	-	1,029,521		418,622	610,899	-
45												
46	III. OTHER RATE BASE ITEMS											
47	Other Reg Assets		0	Pri_RB	0	0	-	0	Sec_RB	0	0	-
48	Materials and Supplies		18,308	PriOpExp	5,450	12,858	-	5,632	SecOpExp	1,292	4,340	-
49	Prepayments		(11,276)	PriOpExp	(3,356)	(7,919)	-	(3,469)	SecOpExp	(796)	(2,673)	-
50	Other Net Plant		0	None	0	0	-	0	None	0	0	-
51	Cash Working Capital		50,082	PriOpExp	14,908	35,174	-	15,406	SecOpExp	3,533	11,872	-
52	Cash Working Cap- Comm		0	None	0	0	-	0	None	0	0	-
53	Accumulated Deferred FIT		(668,300)	PriPlant	(269,655)	(398,645)	-	(392,509)	SecPlant	(182,480)	(210,028)	-
54	Non Interest Bearing CWIP		30,837	PriPlant	12,442	18,394	-	18,111	SecPlant	8,420	9,691	-
55	EBCap Adjustment		(55,616)	PriPlant	(22,441)	(33,175)	-	(28,786)	SecPlant	(13,383)	(15,403)	-
56	Other Rate Base	131-283	(635,964)		(262,652)	(373,313)	-	(385,614)		(183,413)	(202,201)	-
57												
58	TOTAL RATE BASE		2,487,348		1,081,826	1,405,522	-	1,287,412		654,399	633,013	-
59												

Exhibit_____ (E-RDP-3CU)
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Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022

Totals Intact = TRUE
Allocators Found = TRUE

Line	Account	No.	Classification Primary Dist Total		Primary Dist Demand	Primary Dist Customer		Secondary Dist Total		Secondary Dist Demand	Secondary Dist Customer	
60	I. OPERATING AND MAINTENANCE EXPENSES											
61	B. TRANSMISSION EXPENSE											
62	Transmission Expense		0	Demand	0	0	-	0	Demand	0	0	-
63	Transmission Expense		0		0	0	-	0		0	0	-
64												
65	C. DISTRIBUTION EXPENSE											
66	Purchased Power	555	0	None	0	0	-	0	None	0	0	-
67	Transmission O&M	580	0	None	0	0	-	0	None	0	0	-
68	Oper-Supervision & Eng	580	9,364	PriLabor	3,165	6,199	-	2,289	SecLabor	494	1,795	-
69	Oper-Load Dispatching	581	10,003	Demand	10,003	0	-	0	Demand	0	0	-
70	Oper-Substations	582	5,618	Demand	5,618	0	-	0	Demand	0	0	-
71	Oper-Overhead Lines	583	14,736	Pri_OH	1,532	13,204	-	3,493	Sec_OH	56	3,438	-
72	Oper-Underground Lines	584	7,453	Pri_UG	3,398	4,055	-	1,089	Sec_UG	946	142	-
73	Oper-Outdoor Lighting	585	0	None	0	0	-	1,164	Customer	0	1,164	-
74	Oper-Electric Meters	586	0	None	0	0	-	0	None	0	0	-
75	Oper-Customer Install.	587	0	None	0	0	-	0	None	0	0	-
76	Oper-Misc Expenses	588	24,594	PriPlant	9,923	14,670	-	14,877	SecPlant	6,916	7,961	-
77	Oper-Rents	589	365	PriLabor	124	242	-	89	SecLabor	19	70	-
78	Maint-Supervision & Eng	590	2,193	PriLabor	741	1,452	-	536	SecLabor	116	420	-
79	Maint-Structures	591	1,978	Demand	1,978	0	-	0	Demand	0	0	-
80	Maint-Substations	592	8,236	Demand	8,236	0	-	0	Demand	0	0	-
81	Maint-Overhead Lines	593	147,959	Pri_OH	15,378	132,581	-	35,077	Sec_OH	561	34,516	-
82	Maint-Underground Lines	594	9,729	Pri_UG	4,436	5,293	-	1,421	Sec_UG	1,235	186	-
83	Maint-Line Transformers	595	0	Pri368	0	0	-	1,422	Sec368	1,422	0	-
84	Maint-Outdoor Lighting	596	0	None	0	0	-	5,302	Customer	0	5,302	-
85	Maint-Electric Meters	597	0	None	0	0	-	0	None	0	0	-
86	Maint-Misc Distr Plant	599	2,356	PriPlant	951	1,405	-	1,425	SecPlant	663	763	-
87	Oper. & Maint. Exp.	500-599	244,583		65,482	179,101	-	68,185		12,428	55,757	-
88			244,583		65,482	179,101	-	68,185		12,428	55,757	-

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022

Totals Intact = TRUE
Allocators Found = TRUE

Line	Account	No.	Classification Primary Dist Total		Primary Dist Demand	Primary Dist Customer		Secondary Dist Total		Secondary Dist Demand	Secondary Dist Customer	
89	D. CUSTOMER ACCOUNTS AND SERVICE											
90	Supervision	901	0	Pri_RB	0	0	-	0	Sec_RB	0	0	-
91	Supervision- Collections	901Coll	0	None	0	0	-	0	None	0	0	-
92	Supervision- Competitive	901Comp	0	None	0	0	-	0	None	0	0	-
93	Meter Reading Exp- Comp	902Comp	0	None	0	0	-	0	None	0	0	-
94	Cust Recs & Coll	903	0	None	0	0	-	0	None	0	0	-
95	Cust Recs & Coll- Coll	903Coll	0	None	0	0	-	0	None	0	0	-
96	Cust Recs & Coll- Comp	903Comp	0	None	0	0	-	0	None	0	0	-
97	Uncollectible- Delivery	904	14,367	Pri_RB	6,249	8,118	-	7,436	Sec_RB	3,780	3,656	-
98	Uncollectible- Comm	904Comm	0	None	0	0	-	0	None	0	0	-
99	Misc Cust Acct	905	0	None	0	0	-	0	None	0	0	-
100	Misc Cust Acct Coll	905Coll	0	None	0	0	-	0	None	0	0	-
101	Misc Cust Acct- Comp	905Comp	0	None	0	0	-	0	None	0	0	-
102	Customer Accts. Exp.	901-905	14,367		6,249	8,118	-	7,436		3,780	3,656	-
103												
104	Supervision	907	0	None	0	0	-	0	None	0	0	-
105	Customer Assist	908	0	None	0	0	-	0	None	0	0	-
106	Low Inc Disc	908LI	0	None	0	0	-	0	None	0	0	-
107	SBC	908EDAdv	0	None	0	0	-	0	None	0	0	-
107	Econ Dev	908Comp	0	None	0	0	-	0	None	0	0	-
108	ETIP/DSM	908EE	0	None	0	0	-	0	Demand	0	0	-
109	Customer Assistance	910	0	None	0	0	-	0	None	0	0	-
110	Customer Serv. Exp.		0		0	0	-	0		0	0	-
111	Customer Accts. & Serv. Exp.	901-919	14,367		6,249	8,118	-	7,436		3,780	3,656	-
112												

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022

Totals Intact = TRUE
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Line	Account	No.	Classification: Primary Dist Total		Primary Dist Demand	Primary Dist Customer		Secondary Dist Total		Secondary Dist Demand	Secondary Dist Customer	
113	E. ADMINISTRATIVE AND GENERAL											
114	A&G-Salaries	920	32,488	PriLabor	10,980	21,508	-	9,892	SecLabor	2,135	7,757	-
115	A&G-Salaries COMP	920Comp	0	None	0	0	-	0	None	0	0	-
116	Major accounts	920Maj	0	None	0	0	-	0	None	0	0	-
117	A&G-Office Supp	921	18,756	PriLabor	6,339	12,417	-	5,711	SecLabor	1,233	4,478	-
118	A&G-Office Supp COLL	921Coll	0	None	0	0	-	0	None	0	0	-
119	A&G-Office Supp COMP	921Comp	0	None	0	0	-	0	None	0	0	-
120	A&G-Outside Servi	923	29,028	PriLabor	9,810	19,217	-	8,838	SecLabor	1,908	6,931	-
121	A&G-Programs	923Prog	0	None	0	0	-	0	None	0	0	-
122	A&G-Business	923Bus	0	None	0	0	-	0	None	0	0	-
123	A&G-Outside Serv COLL	923Coll	0	None	0	0	-	0	None	0	0	-
124	A&G-Outside Serv COMP	923Comp	0	None	0	0	-	0	None	0	0	-
125	Property Insurance	924	1,581	PriPlant	638	943	-	929	SecPlant	432	497	-
126	Injuries & Damages Insur	925	5,095	PriLabor	1,722	3,373	-	1,551	SecLabor	335	1,216	-
127	Empl Pensions & Bene	926	25,401	PriLabor	8,585	16,817	-	7,734	SecLabor	1,669	6,065	-
128	Regulatory Comm Expenses	928	0	None	0	0	-	0	None	0	0	-
129	A&G-Insti GW Adv	930110	232	Pri_RB	101	131	-	120	Sec_RB	61	59	-
130	A&G-Misc Expenses	930200	0	PriLabor	0	0	-	0	SecLabor	0	0	-
131	A&G-R&D	930210	0	PriPlant	0	0	-	0	SecPlant	0	0	-
132	A&G-Rents	931	24,709	PriPlant	9,970	14,739	-	14,512	SecPlant	6,747	7,765	-
133	A&G Maint-Gen Plant-Elec	935	1,113	PriLabor	376	737	-	339	SecLabor	73	266	-
134	Admin & Genl. Exp.	920-932	138,403		48,520	89,883	-	49,626		14,593	35,034	-
135	Total Operating Expenses		397,354		120,252	277,102	-	125,247		30,801	94,447	-
136												
137	II. DEPRECIATION EXPENSE											
138	Deprec exp- Tran	403Tx	0	None	0	0	-	0	None	0	0	-
139	Deprec exp- Struct/Station	403Dx	25,012	Demand	25,012	0	-	0	None	0	0	-
140	Deprec exp- PTF/OH/UG	403Dx	65,068	Pri364-367	13,322	51,746	-	13,730	Sec364-367	2,542	11,189	-
141	Deprec exp- Xfrmrs	403Dx	0	None	0	0	-	32,234	Sec368	32,234	0	-
142	Deprec exp- Services	403Dx	0	None	0	0	-	11,311	Customer	0	11,311	-
143	Deprec exp- Meters	403Dx	0	None	0	0	-	0	None	0	0	-
144	Deprec exp- SL	403Dx	0	None	0	0	-	9,893	Customer	0	9,893	-
145	Deprec exp- Genl	403Gx	8,592	PriLabor	2,904	5,688	-	2,616	SecLabor	565	2,051	-
146	Amort Other Reg Assets	407300	0	None	0	0	-	0	None	0	0	-
147	Depreciation Expense	403	98,671		41,237	57,434	-	69,784		35,340	34,444	-
148												

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022

Totals Intact = TRUE
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Line	Account	No.	Classification Primary Dist Total		Primary Dist Demand	Primary Dist Customer		Secondary Dist Total		Secondary Dist Demand	Secondary Dist Customer	
149	III. TAXES and OTHER											
150	A. GENERAL TAXES											
151	Municipal property tax	408140	90,069	PriPt-Tax	36,574	53,494	-	42,621	SecPt-Tax	25,819	16,803	-
152	Payroll related	408110	9,436	PriLabor	3,189	6,247	-	2,873	SecLabor	620	2,253	-
153	Other tax	408170	91	PriPlant	37	54	-	53	SecPlant	25	29	-
154	General Taxes		99,596		39,800	59,796	-	45,548		26,464	19,084	-
155												
156	B. FEDERAL / STATE INCOME TAXES											
157	Federal Income Tax Exp		(2,456)	PriPretax	(2,095)	(362)	-	(1,278)	SecPretax	(1,135)	(143)	-
158	State Income Tax Exp		4,207	PriPretax	3,588	619	-	2,189	SecPretax	1,945	244	-
159	Income Taxes	409-411	1,751		1,493	258	-	911		809	102	-
160	Total Taxes	408-411	101,347		41,293	60,054	-	46,459		27,273	19,186	-
161	Revenue taxes		0	None	0	0	-	0	None	0	0	-
162	TOTAL EXPENSES		597,372		202,782	394,590	-	241,491		93,414	148,077	-
163												
164	IV. OPERATING REVENUES at Present Rates											
165	Distribution revenue		702,059	Pri_RB	305,348	396,711	-	294,135	Sec_RB	149,511	144,625	-
166	Revenue taxes		0	None	0	0	-	0	None	0	0	-
167	Commodity revenue		0	None	0	0	-	0	None	0	0	-
168	CEF ETIP revenue		0	None	0	0	-	0	None	0	0	-
169	Wholesale transmission		0	None	0	0	-	0	None	0	0	-
170	Late Payments charges		8,426	Pri_RevReqPF	3,039	5,387	-	4,361	Sec_RevReqPF	1,849	2,512	-
171	Pole attachments		11,136	Pri364	1,157	9,979	-	6,831	Sec364	109	6,722	-
172	DLM / Load Control		1,556	PriLabor	526	1,030	-	474	SecLabor	102	372	-
173	Large Customer Discounts		0	None	0	0	-	0	None	0	0	-
174	CSS Restablishment		0	None	0	0	-	0	None	0	0	-
175	Special L Revenue		0	None	0	0	-	1,154	Customer	0	1,154	-
174	Merchant Function Charge		0	None	0	0	-	0	None	0	0	-
176	Other Revenue		0	None	0	0	-	0	None	0	0	-
177	Billing credit		0	None	0	0	-	0	None	0	0	-
178	Operating Revenues		723,177		310,070	413,107	-	306,955		151,571	155,384	-
179												
180	TOTAL EXPENSES		597,372		202,782	394,590	-	241,491		93,414	148,077	-
181	V. NET INCOME at Present Rates		125,805		107,287	18,518	-	65,464		58,157	7,307	-
182												

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Line	Account	No.	Classification: Primary Dist Total		Primary Dist Demand	Primary Dist Customer		Secondary Dist Total		Secondary Dist Demand	Secondary Dist Customer	
183	SUMMARY REPORT											
184	Utility Revenues	440-446	702,059		305,348	396,711	-	294,135		149,511	144,625	-
185	Other Operating Revenues	450-456	21,118		4,722	16,396	-	12,820		2,060	10,759	-
186	Total Operating Revenues		723,177		310,070	413,107	-	306,955		151,571	155,384	-
187												
188	Distribution / Transmission	580-599	244,583		65,482	179,101	-	68,185		12,428	55,757	-
189	Customer Acctg & Service	901-919	14,367		6,249	8,118	-	7,436		3,780	3,656	-
190	Admin & General	920-932	138,403		48,520	89,883	-	49,626		14,593	35,034	-
191	Total Operating Expenses		397,354		120,252	277,102	-	125,247		30,801	94,447	-
192												
193	Depreciation Expense	403	98,671		41,237	57,434	-	69,784		35,340	34,444	-
194	Taxes Other Than Income Tax / Other	408	99,596		39,800	59,796	-	45,548		26,464	19,084	-
195	Income before Income tax		127,556		108,781	18,775	-	66,375		58,966	7,409	-
196	Income Taxes	409-411	1,751		1,493	258	-	911		809	102	-
197	NET INCOME		125,805		107,287	18,518	-	65,464		58,157	7,307	-
198												
199	RATE BASE		2,487,348		1,081,826	1,405,522	-	1,287,412		654,399	633,013	-
200	Return on Rate Base											
201												
202	REVENUE REQUIREMENTS											
203	Target Rate of Return		6.3100%		6.3100%	6.3100%		6.3100%		6.3100%	6.3100%	
204	Rate Base		2,487,348		1,081,826	1,405,522	-	1,287,412		654,399	633,013	-
205												
206	Operating expenses		382,986		114,003	268,984	-	117,811		27,021	90,790	-
207	Uncollectibles- Delivery		15,226	Pri_RevReqPF	5,491	9,735	-	7,881	Sec_RevReqPF	3,341	4,540	-
208	Depreciation expense		98,671		41,237	57,434	-	69,784		35,340	34,444	-
209	General taxes / Other		99,596		39,800	59,796	-	45,548		26,464	19,084	-
210	Subtotal- Operating Costs to recover		596,479		200,531	395,948	-	241,024		92,166	148,858	-
211												
212	Target Return on Rate Base- After taxe		156,952		68,263	88,688	-	81,236		41,293	39,943	-
213	Income taxes to recover		11,866		5,161	6,705	-	6,142		3,122	3,020	-
214				7.56%					7.56%			
215	Subtotal- Rev Req before GRT		765,297		273,955	491,342	-	328,401		136,580	191,821	-
216	GRT needed		0	0.00%	0	0	-	0	0.00%	0	0	-
217	TOTAL REVENUE REQ.		765,297		273,955	491,342	-	328,401		136,580	191,821	-
218												
219	Revenue at Present rates						-					-
220	Revenue Excess (Deficiency)						-					-

Exhibit_____ (E-RDP-3CU)
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Electric Rate Design Panel

Exhibit __ (E-RDP-3CU)

Allocated (Embedded) Class Cost of Service Study

Schedule 7A

Class Allocation-Transmission Demand

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Class All

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Transmission Demand

Line	Account	No.	Balance	Allocator	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	I. ELECTRIC PLANT IN SERVICE														
2	INTANGIBLE PLANT														
3	Organization	302	7,611	1CP_Trans	3,256	64	200	1,042	943	382	136	188	292	1,109	1
4	Intangible Plant		7,611		3,256	64	200	1,042	943	382	136	188	292	1,109	1
5															
6	C. TRANSMISSION PLANT														
7	Transmission Plant	361	3,846,266	1CP_Trans	1,645,248	32,221	100,933	526,395	476,530	192,989	68,742	94,794	147,442	560,254	717
8	Transmission Plant	350-359	3,846,266		1,645,248	32,221	100,933	526,395	476,530	192,989	68,742	94,794	147,442	560,254	717
9															
10	D. DISTRIBUTION PLANT														
11	Land and land rights	360	-	None	-	-	-	-	-	-	-	-	-	-	-
12	Structures and impr.	361	-	None	-	-	-	-	-	-	-	-	-	-	-
13	Station equipment	362	-	None	-	-	-	-	-	-	-	-	-	-	-
14	Poles, towers and fixtures	364	-	None	-	-	-	-	-	-	-	-	-	-	-
15	OH conductors, devices	365	-	None	-	-	-	-	-	-	-	-	-	-	-
16	UG conduits	366	-	None	-	-	-	-	-	-	-	-	-	-	-
17	UG conductors, devices	367	-	None	-	-	-	-	-	-	-	-	-	-	-
18	Line transformers	368	-	None	-	-	-	-	-	-	-	-	-	-	-
19	Services	369	-	None	-	-	-	-	-	-	-	-	-	-	-
20	Meters	370	-	None	-	-	-	-	-	-	-	-	-	-	-
21	Installs customer premises	371	-	None	-	-	-	-	-	-	-	-	-	-	-
22	Street lighting, signals	373	-	None	-	-	-	-	-	-	-	-	-	-	-
23	346/363 -Solar / Battery Storage	374	-	None	-	-	-	-	-	-	-	-	-	-	-
24	Distribution Plant	360-373	-		-	-	-	-	-	-	-	-	-	-	-
25															
26	E. GENERAL PLANT														
27	General Plant	389	42,805	1CP_Trans	18,310	359	1,123	5,858	5,303	2,148	765	1,055	1,641	6,235	8
28	Common Plant	391	32,125	1CP_Trans	13,741	269	843	4,397	3,980	1,612	574	792	1,231	4,679	6
29	General Plant	389-399	74,929		32,051	628	1,966	10,255	9,283	3,760	1,339	1,847	2,872	10,914	14
30															
31	TOTAL UTILITY PLANT		3,928,807		1,680,555	32,913	103,099	537,691	486,757	197,131	70,217	96,828	150,606	572,277	732
32															

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Corrections and Updates
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Rate Year Ending June 30, 2022
Class Allocation- Transmission Demand

Line	Account	No.	Balance	Allocator	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
33	II. DEPRECIATION RESERVE														
34	Franchises and consents	108.3	2,297	1CP_Trans	982	19	60	314	285	115	41	57	88	335	0
35	Transmission Plant	108.5	705,320	1CP_Trans	301,702	5,909	18,509	96,529	87,385	35,390	12,606	17,383	27,038	102,738	131
36	Land Rts, Subst, Struct	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
37	PTF / OH / UG	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
38	Line Transformers	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
39	Services	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
40	Meters	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
41	Lighting	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
42	Customer premises	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
43	General Plant	108.6	35,119	1CP_Trans	15,022	294	922	4,806	4,351	1,762	628	866	1,346	5,115	7
44	Depreciation Reserve	108	742,736		317,707	6,222	19,491	101,650	92,021	37,267	13,274	18,305	28,472	108,188	138
45															
46	III. OTHER RATE BASE ITEMS														
47	Other Reg Assets		-	1CP_Trans	-	-	-	-	-	-	-	-	-	-	-
48	Materials and Supplies		7,179	1CP_Trans	3,071	60	188	982	889	360	128	177	275	1,046	1
49	Prepayments		(4,421)	1CP_Trans	(1,891)	(37)	(116)	(605)	(548)	(222)	(79)	(109)	(169)	(644)	(1)
50	Other Net Plant		-	1CP_Trans	-	-	-	-	-	-	-	-	-	-	-
51	Cash Working Capital		19,637	1CP_Trans	8,400	165	515	2,688	2,433	985	351	484	753	2,860	4
52	Cash Working Cap- Comm		-	None	-	-	-	-	-	-	-	-	-	-	-
53	Accumulated Deferred FIT		(570,606)	1CP_Trans	(244,078)	(4,780)	(14,974)	(78,092)	(70,695)	(28,631)	(10,198)	(14,063)	(21,874)	(83,116)	(106)
54	Non Interest Bearing CWIP		26,329	1CP_Trans	11,262	221	691	3,603	3,262	1,321	471	649	1,009	3,835	5
55	EBCap Adjustment		(58,267)	1CP_Trans	(24,924)	(488)	(1,529)	(7,974)	(7,219)	(2,924)	(1,041)	(1,436)	(2,234)	(8,487)	(11)
56	Other Rate Base	131-283	(580,150)		(248,160)	(4,860)	(15,224)	(79,399)	(71,877)	(29,109)	(10,369)	(14,298)	(22,239)	(84,506)	(108)
57															
58	TOTAL RATE BASE		2,605,921		1,114,688	21,831	68,384	356,643	322,859	130,754	46,574	64,225	99,895	379,583	486
59															

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Transmission Demand

Line	Account	No.	Balance	Allocator	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
60	I. OPERATING AND MAINTENANCE EXPENSES														
61	B. TRANSMISSION EXPENSE														
62	Transmission Expense		-	None	-	-	-	-	-	-	-	-	-	-	-
63	Transmission Expense		-		-	-	-	-	-	-	-	-	-	-	-
64															
65	C. DISTRIBUTION EXPENSE														
66	Purchased Power	555	-	None	-	-	-	-	-	-	-	-	-	-	-
67	Transmission O&M	580	96,343	1CP_Trans	41,211	807	2,528	13,185	11,936	4,834	1,722	2,374	3,693	14,034	18
68	Oper-Supervision & Eng	580	-	None	-	-	-	-	-	-	-	-	-	-	-
69	Oper-Load Dispatching	581	-	None	-	-	-	-	-	-	-	-	-	-	-
70	Oper-Substations	582	-	None	-	-	-	-	-	-	-	-	-	-	-
71	Oper-Overhead Lines	583	-	None	-	-	-	-	-	-	-	-	-	-	-
72	Oper-Underground Lines	584	-	None	-	-	-	-	-	-	-	-	-	-	-
73	Oper-Outdoor Lighting	585	-	None	-	-	-	-	-	-	-	-	-	-	-
74	Oper-Electric Meters	586	-	None	-	-	-	-	-	-	-	-	-	-	-
75	Oper-Customer Install.	587	-	None	-	-	-	-	-	-	-	-	-	-	-
76	Oper-Misc Expenses	588	-	None	-	-	-	-	-	-	-	-	-	-	-
77	Oper-Rents	589	-	None	-	-	-	-	-	-	-	-	-	-	-
78	Maint-Supervision & Eng	590	-	None	-	-	-	-	-	-	-	-	-	-	-
79	Maint-Structures	591	-	None	-	-	-	-	-	-	-	-	-	-	-
80	Maint-Substations	592	-	None	-	-	-	-	-	-	-	-	-	-	-
81	Maint-Overhead Lines	593	-	None	-	-	-	-	-	-	-	-	-	-	-
82	Maint-Underground Lines	594	-	None	-	-	-	-	-	-	-	-	-	-	-
83	Maint-Line Transformers	595	-	None	-	-	-	-	-	-	-	-	-	-	-
84	Maint-Outdoor Lighting	596	-	None	-	-	-	-	-	-	-	-	-	-	-
85	Maint-Electric Meters	597	-	None	-	-	-	-	-	-	-	-	-	-	-
86	Maint-Misc Distr Plant	599	-	None	-	-	-	-	-	-	-	-	-	-	-
87	Oper. & Maint. Exp.	500-599	96,343		41,211	807	2,528	13,185	11,936	4,834	1,722	2,374	3,693	14,034	18
88			96,343		41,211	807	2,528	13,185	11,936	4,834	1,722	2,374	3,693	14,034	18

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Class Allocation- Transmission Demand

Line	Account	No.	Balance	Allocator	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
89	D. CUSTOMER ACCOUNTS AND SERVICE														
90	Supervision	901	-	None	-	-	-	-	-	-	-	-	-	-	-
91	Supervision- Collections	901Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
92	Supervision- Competitive	901Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
93	Meter Reading Exp- Comp	902Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
94	Cust Recs & Coll	903	-	None	-	-	-	-	-	-	-	-	-	-	-
95	Cust Recs & Coll- Coll	903Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
96	Cust Recs & Coll- Comp	903Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
97	Uncollectible- Delivery	904	-	None	-	-	-	-	-	-	-	-	-	-	-
98	Uncollectible- Comm	904Comm	-	None	-	-	-	-	-	-	-	-	-	-	-
99	Misc Cust Acct	905	-	None	-	-	-	-	-	-	-	-	-	-	-
100	Misc Cust Acct Coll	905Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
101	Misc Cust Acct- Comp	905Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
102	Customer Accts. Exp.	901-905	-		-	-	-	-	-	-	-	-	-	-	-
103															
104	Supervision	907	-	None	-	-	-	-	-	-	-	-	-	-	-
105	Customer Assist	908	-	None	-	-	-	-	-	-	-	-	-	-	-
106	Low Inc Disc	908LI	-	None	-	-	-	-	-	-	-	-	-	-	-
107	SBC	08EDAd	-	None	-	-	-	-	-	-	-	-	-	-	-
107	Econ Dev	908Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
108	ETIP/DSM	908EE	-	None	-	-	-	-	-	-	-	-	-	-	-
109	Customer Assistance	910	-	None	-	-	-	-	-	-	-	-	-	-	-
110	Customer Serv. Exp.		-		-	-	-	-	-	-	-	-	-	-	-
111	Customer Accts. & Serv. Exp.	901-919	-		-	-	-	-	-	-	-	-	-	-	-
112															

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Class Allocation- Transmission Demand

Line	Account	No.	Balance	Allocator	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
113	E. ADMINISTRATIVE AND GENERAL														
114	A&G-Salaries	920	9,042	1CP_Trans	3,868	76	237	1,237	1,120	454	162	223	347	1,317	2
115	A&G-Salaries COMP	920Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
116	Major accounts	920Maj	-	None	-	-	-	-	-	-	-	-	-	-	-
117	A&G-Office Supp	921	5,220	1CP_Trans	2,233	44	137	714	647	262	93	129	200	760	1
118	A&G-Office Supp COLL	921Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
119	A&G-Office Supp COMP	921Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
120	A&G-Outside Servi	923	8,078	1CP_Trans	3,456	68	212	1,106	1,001	405	144	199	310	1,177	2
121	A&G-Programs	923Prog	-	None	-	-	-	-	-	-	-	-	-	-	-
122	A&G-Business	923Bus	-	None	-	-	-	-	-	-	-	-	-	-	-
123	A&G-Outside Serv COLL	923Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
124	A&G-Outside Serv COMP	923Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
125	Property Insurance	924	1,350	1CP_Trans	578	11	35	185	167	68	24	33	52	197	0
126	Injuries & Damages Insur	925	1,418	1CP_Trans	607	12	37	194	176	71	25	35	54	207	0
127	Empl Pensions & Bene	926	7,069	1CP_Trans	3,024	59	186	967	876	355	126	174	271	1,030	1
128	Regulatory Comm Expenses	928	-	None	-	-	-	-	-	-	-	-	-	-	-
129	A&G-Insti GW Adv	930110	243	1CP_Trans	104	2	6	33	30	12	4	6	9	35	0
130	A&G-Misc Expenses	930200	-	None	-	-	-	-	-	-	-	-	-	-	-
131	A&G-R&D	930210	-	None	-	-	-	-	-	-	-	-	-	-	-
132	A&G-Rents	931	21,097	Account931	12,859	111	958	2,537	1,869	647	124	322	250	931	488
133	A&G Maint-Gen Plant-Elec	935	310	1CP_Trans	133	3	8	42	38	16	6	8	12	45	0
134	Admin & Genl. Exp.	920-932	53,827		26,859	385	1,817	7,017	5,924	2,289	709	1,129	1,504	5,699	495
135	Total Operating Expenses		150,170		68,070	1,192	4,345	20,202	17,861	7,123	2,431	3,504	5,197	19,732	513
136															
137	II. DEPRECIATION EXPENSE														
138	Deprec exp- Tran	403Tx	82,096	1CP_Trans	35,117	688	2,154	11,236	10,171	4,119	1,467	2,023	3,147	11,958	15
139	Deprec exp- Struct/Station	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
140	Deprec exp- PTF/OH/UG	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
141	Deprec exp- Xfrmrs	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
142	Deprec exp- Services	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
143	Deprec exp- Meters	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
144	Deprec exp- SL	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
145	Deprec exp- Genl	403Gx	2,391	1CP_Trans	1,023	20	63	327	296	120	43	59	92	348	0
146	Amort Other Reg Assets	407300	-	None	-	-	-	-	-	-	-	-	-	-	-
147	Depreciation Expense	403	84,487		36,140	708	2,217	11,563	10,467	4,239	1,510	2,082	3,239	12,307	16
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149	III. TAXES and OTHER														
150	A. GENERAL TAXES														
151	Municipal property tax	408140	80,326	1CP_Trans	34,360	673	2,108	10,993	9,952	4,030	1,436	1,980	3,079	11,700	15
152	Payroll related	408110	2,626	1CP_Trans	1,123	22	69	359	325	132	47	65	101	383	0
153	Other tax	408170	78	1CP_Trans	33	1	2	11	10	4	1	2	3	11	0
154	General Taxes		83,030		35,516	696	2,179	11,363	10,287	4,166	1,484	2,046	3,183	12,094	15
155															
156	B. FEDERAL / STATE INCOME TAXES														
157	Federal Income Tax Exp		(2,605)	Tran_PreTax	(1,945)	(19)	(147)	(286)	(157)	(42)	10	(27)	21	102	(115)
158	State Income Tax Exp		4,461	Tran_PreTax	3,331	32	251	490	269	71	(17)	47	(36)	(174)	197
159	Income Taxes	409-411	1,857		1,386	13	105	204	112	30	(7)	19	(15)	(72)	82
160	Total Taxes	408-411	84,886		36,902	709	2,283	11,567	10,399	4,196	1,477	2,066	3,168	12,022	97
161	Revenue taxes		-	None	-	-	-	-	-	-	-	-	-	-	-
162	TOTAL EXPENSES		319,543		141,112	2,609	8,846	43,332	38,727	15,558	5,418	7,651	11,604	44,061	626
163															
164	IV. OPERATING REVENUES at Present Rates														
165	Distribution revenue		236,328	Tot_DistRev	148,054	1,753	10,679	28,334	19,934	6,821	1,048	3,706	2,232	7,301	6,467
166	Revenue taxes		-	None	-	-	-	-	-	-	-	-	-	-	-
167	Commodity revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
168	CEF ETIP revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
169	Wholesale transmission		216,182	1CP_Trans	92,472	1,811	5,673	29,586	26,784	10,847	3,864	5,328	8,287	31,489	40
170	Late Payments charges		-	None	-	-	-	-	-	-	-	-	-	-	-
171	Pole attachments		-	None	-	-	-	-	-	-	-	-	-	-	-
172	DLM / Load Control		433	1CP_Trans	185	4	11	59	54	22	8	11	17	63	0
173	Large Customer Discounts		-	None	-	-	-	-	-	-	-	-	-	-	-
174	CSS Restablishment		-	None	-	-	-	-	-	-	-	-	-	-	-
175	Special L Revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
174	Merchant Function Charge		-	None	-	-	-	-	-	-	-	-	-	-	-
176	Other Revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
177	Billing credit		-	None	-	-	-	-	-	-	-	-	-	-	-
178	Operating Revenues		452,943		240,712	3,568	16,363	57,979	46,772	17,690	4,919	9,044	10,535	38,853	6,507
179															
180	TOTAL EXPENSES		319,543		141,112	2,609	8,846	43,332	38,727	15,558	5,418	7,651	11,604	44,061	626
181	V. NET INCOME at Present Rat		133,400		99,600	959	7,517	14,647	8,045	2,132	(498)	1,393	(1,069)	(5,208)	5,881
182															

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Corrections and Updates
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TranDem
Sch. 7A
CAl
Class All

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Transmission Demand

Line	Account	No.	Balance	Allocator	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
183	SUMMARY REPORT														
184	Utility Revenues	440-446	236,328		148,054	1,753	10,679	28,334	19,934	6,821	1,048	3,706	2,232	7,301	6,467
185	Other Operating Revenues	450-456	216,615		92,658	1,815	5,684	29,646	26,837	10,869	3,871	5,339	8,304	31,553	40
186	Total Operating Revenues		452,943		240,712	3,568	16,363	57,979	46,772	17,690	4,919	9,044	10,535	38,853	6,507
187															
188	Distribution / Transmission	580-599	96,343		41,211	807	2,528	13,185	11,936	4,834	1,722	2,374	3,693	14,034	18
189	Customer Acctg & Service	901-919	0		0	0	0	0	0	0	0	0	0	0	0
190	Admin & General	920-932	53,827		26,859	385	1,817	7,017	5,924	2,289	709	1,129	1,504	5,699	495
191	Total Operating Expenses		150,170		68,070	1,192	4,345	20,202	17,861	7,123	2,431	3,504	5,197	19,732	513
192															
193	Depreciation Expense	403	84,487		36,140	708	2,217	11,563	10,467	4,239	1,510	2,082	3,239	12,307	16
194	Taxes Other Than Income Tax /	408	83,030		35,516	696	2,179	11,363	10,287	4,166	1,484	2,046	3,183	12,094	15
195	Income before Income tax		135,256		100,986	972	7,622	14,851	8,157	2,162	(505)	1,412	(1,084)	(5,280)	5,963
196	Income Taxes	409-411	1,857		1,386	13	105	204	112	30	(7)	19	(15)	(72)	82
197	NET INCOME		133,400		99,600	959	7,517	14,647	8,045	2,132	(498)	1,393	(1,069)	(5,208)	5,881
198															
199	RATE BASE		2,605,921		1,114,688	21,831	68,384	356,643	322,859	130,754	46,574	64,225	99,895	379,583	486
200	Return on Rate Base		5.12%												
201															
202	REVENUE REQUIREMENTS														
203	Target Rate of Return		6.3100%		6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%
204	Rate Base		2,605,921		1,114,688	21,831	68,384	356,643	322,859	130,754	46,574	64,225	99,895	379,583	486
205															
206	Operating expenses		150,170		68,070	1,192	4,345	20,202	17,861	7,123	2,431	3,504	5,197	19,732	513
207	Uncollectibles- Delivery		0	None	0	0	0	0	0	0	0	0	0	0	0
208	Depreciation expense		84,487		36,140	708	2,217	11,563	10,467	4,239	1,510	2,082	3,239	12,307	16
209	General taxes / Other		83,030		35,516	696	2,179	11,363	10,287	4,166	1,484	2,046	3,183	12,094	15
210	Subtotal- Operating Costs to rec		317,687		139,725	2,595	8,741	43,128	38,615	15,529	5,425	7,632	11,619	44,133	544
211															
212	Target Return on Rate Base- Aft		164,434		70,337	1,378	4,315	22,504	20,372	8,251	2,939	4,053	6,303	23,952	31
213	Income taxes to recover		12,431		5,318	104	326	1,701	1,540	624	222	306	477	1,811	2
214				7.56%											
215	Subtotal- Rev Req before GRT		494,552		215,380	4,077	13,382	67,334	60,528	24,403	8,586	11,991	18,399	69,896	577
216	GRT needed		0	0.00%	0	0	0	0	0	0	0	0	0	0	0
217	TOTAL REVENUE REQ.		494,552		215,380	4,077	13,382	67,334	60,528	24,403	8,586	11,991	18,399	69,896	577

Exhibit_____ (E-RDP-3CU)
Schedule 7A
Corrections and Updates
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Electric Rate Design Panel

Exhibit __ (E-RDP-3CU)

Allocated (Embedded) Class Cost of Service Study

Schedule 7B

Class Allocation-Primary Demand

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Primary Demand

Line	Account	No.	Balance	Allocator	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	I. ELECTRIC PLANT IN SERVICE														
2	INTANGIBLE PLANT														
3	Organization	302	3,487	NCP_Pri	1,882	39	109	565	538	215	-	107	-	-	34
4	Intangible Plant		3,487		1,882	39	109	565	538	215	-	107	-	-	34
5															
6	C. TRANSMISSION PLANT														
7	Transmission Plant	361	-	None	-	-	-	-	-	-	-	-	-	-	-
8	Transmission Plant	350-359	-		-	-	-	-	-	-	-	-	-	-	-
9															
10	D. DISTRIBUTION PLANT														
11	Land and land rights	360	63,116	NCP_Pri	34,054	698	1,977	10,224	9,729	3,898	-	1,929	-	-	606
12	Structures and impr.	361	55,622	NCP_Pri	30,011	616	1,742	9,010	8,574	3,435	-	1,700	-	-	534
13	Station equipment	362	973,127	NCP_Pri	525,054	10,769	30,484	157,628	150,008	60,094	-	29,741	-	-	9,348
14	Poles, towers and fixtures	364	86,455	NCP_Pri-PLCC	-	-	-	34,285	32,627	13,071	-	6,469	-	4	-
15	OH conductors, devices	365	152,457	NCP_Pri-PLCC	-	-	-	60,458	57,536	23,049	-	11,407	-	7	-
16	UG conduits	366	69,976	NCP_Pri-PLCC	-	-	-	27,750	26,408	10,579	-	5,236	-	3	-
17	UG conductors, devices	367	350,547	NCP_Pri-PLCC	-	-	-	139,012	132,293	52,997	-	26,228	-	16	-
18	Line transformers	368	-	None	-	-	-	-	-	-	-	-	-	-	-
19	Services	369	-	None	-	-	-	-	-	-	-	-	-	-	-
20	Meters	370	-	None	-	-	-	-	-	-	-	-	-	-	-
21	Installs customer premises	371	-	None	-	-	-	-	-	-	-	-	-	-	-
22	Street lighting, signals	373	-	None	-	-	-	-	-	-	-	-	-	-	-
23	346/363 -Solar / Battery Storage	374	10,879	NCP_Pri	5,870	120	341	1,762	1,677	672	-	332	-	-	105
24	Distribution Plant	360-373	1,762,179		594,989	12,204	34,544	440,128	418,853	167,794	-	83,042	-	31	10,594
25															
26	E. GENERAL PLANT														
27	General Plant	389	51,980	PriD-Lab	18,292	408	1,045	12,495	12,071	4,969	-	2,494	-	1	205
28	Common Plant	391	39,011	PriD-Lab	13,728	306	784	9,378	9,059	3,730	-	1,871	-	1	154
29	General Plant	389-399	90,992		32,020	714	1,829	21,873	21,131	8,699	-	4,365	-	1	360
30															
31	TOTAL UTILITY PLANT		1,856,658		628,891	12,956	36,483	462,566	440,521	176,709	-	87,513	-	32	10,987
32															

Exhibit_____ (E-RDP-3CU)
Schedule 7B
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Primary Demand

Line	Account	No.	Balance	Allocator	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
33	II. DEPRECIATION RESERVE														
34	Franchises and consents	108.3	1,052	NCP_Pri	568	12	33	170	162	65	-	32	-	-	10
35	Transmission Plant	108.5	-	NCP_Pri-PLCC	-	-	-	-	-	-	-	-	-	-	-
36	Land Rts, Subst, Struct	108.5	241,701	NCP_Pri	130,411	2,675	7,571	39,151	37,258	14,926	-	7,387	-	-	2,322
37	PTF / OH / UG	108.5	226,779	NCP_Pri-PLCC	-	-	-	89,931	85,584	34,285	-	16,968	-	11	-
38	Line Transformers	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
39	Services	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
40	Meters	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
41	Lighting	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
42	Customer premises	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
43	General Plant	108.6	42,647	PriD-Lab	15,008	334	857	10,252	9,904	4,077	-	2,046	-	1	169
44	Depreciation Reserve	108	512,180		145,986	3,021	8,462	139,504	132,909	53,353	-	26,433	-	11	2,501
45															
46	III. OTHER RATE BASE ITEMS														
47	Other Reg Assets		-	PriD-Lab	-	-	-	-	-	-	-	-	-	-	-
48	Materials and Supplies		5,450	PriD-OpExp	1,827	36	110	1,349	1,285	522	3	261	6	21	29
49	Prepayments		(3,356)	PriD-OpExp	(1,125)	(22)	(68)	(831)	(791)	(322)	(2)	(161)	(3)	(13)	(18)
50	Other Net Plant		-	None	-	-	-	-	-	-	-	-	-	-	-
51	Cash Working Capital		14,908	PriD-OpExp	4,998	100	300	3,691	3,515	1,429	8	714	15	58	81
52	Cash Working Cap- Comm		-	None	-	-	-	-	-	-	-	-	-	-	-
53	Accumulated Deferred FIT		(269,655)	PriD-PT	(91,338)	(1,882)	(5,299)	(67,181)	(63,980)	(25,665)	-	(12,710)	-	(5)	(1,596)
54	Non Interest Bearing CWIP		12,442	PriD-PT	4,215	87	244	3,100	2,952	1,184	-	586	-	0	74
55	EBCap Adjustment		(22,441)	PriD-RB	(8,159)	(168)	(474)	(5,348)	(5,092)	(2,042)	(0)	(1,011)	(0)	(2)	(143)
56	Other Rate Base	131-283	(262,652)		(89,583)	(1,849)	(5,186)	(65,221)	(62,111)	(24,893)	9	(12,321)	17	60	(1,573)
57															
58	TOTAL RATE BASE		1,081,826		393,322	8,086	22,835	257,841	245,501	98,462	9	48,760	17	81	6,913
59															

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Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Primary Demand

Line	Account	No.	Balance	Allocator	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
60	I. OPERATING AND MAINTENANCE EXPENSES														
61	B. TRANSMISSION EXPENSE														
62	Transmission Expense		-	None	-	-	-	-	-	-	-	-	-	-	-
63	Transmission Expense		-		-	-	-	-	-	-	-	-	-	-	-
64															
65	C. DISTRIBUTION EXPENSE														
66	Purchased Power	555	-	None	-	-	-	-	-	-	-	-	-	-	-
67	Transmission O&M	580	-	None	-	-	-	-	-	-	-	-	-	-	-
68	Oper-Supervision & Eng	580	3,165	PriD-Lab	1,114	25	64	761	735	303	-	152	-	0	13
69	Oper-Load Dispatching	581	10,003	MWh-Pri	4,942	125	275	1,697	1,747	798	-	420	-	-	-
70	Oper-Substations	582	5,618	NCP_Pri	3,031	62	176	910	866	347	-	172	-	-	54
71	Oper-Overhead Lines	583	1,532	NCP_Pri-PLCC	-	-	-	607	578	232	-	115	-	0	-
72	Oper-Underground Lines	584	3,398	NCP_Pri-PLCC	-	-	-	1,348	1,283	514	-	254	-	0	-
73	Oper-Outdoor Lighting	585	-	None	-	-	-	-	-	-	-	-	-	-	-
74	Oper-Electric Meters	586	-	None	-	-	-	-	-	-	-	-	-	-	-
75	Oper-Customer Install.	587	-	None	-	-	-	-	-	-	-	-	-	-	-
76	Oper-Misc Expenses	588	9,923	PriD-PT	3,361	69	195	2,472	2,354	944	-	468	-	0	59
77	Oper-Rents	589	124	PriD-Lab	43	1	2	30	29	12	-	6	-	0	0
78	Maint-Supervision & Eng	590	741	PriD-Lab	261	6	15	178	172	71	-	36	-	0	3
79	Maint-Structures	591	1,978	NCP_Pri	1,067	22	62	320	305	122	-	60	-	-	19
80	Maint-Substations	592	8,236	NCP_Pri	4,444	91	258	1,334	1,270	509	-	252	-	-	79
81	Maint-Overhead Lines	593	15,378	NCP_Pri-PLCC	-	-	-	6,098	5,804	2,325	-	1,151	-	1	-
82	Maint-Underground Lines	594	4,436	NCP_Pri-PLCC	-	-	-	1,759	1,674	671	-	332	-	0	-
83	Maint-Line Transformers	595	-	None	-	-	-	-	-	-	-	-	-	-	-
84	Maint-Outdoor Lighting	596	-	None	-	-	-	-	-	-	-	-	-	-	-
85	Maint-Electric Meters	597	-	None	-	-	-	-	-	-	-	-	-	-	-
86	Maint-Misc Distr Plant	599	951	PriD-PT	322	7	19	237	226	90	-	45	-	0	6
87	Oper. & Maint. Exp.	500-599	65,482		18,585	408	1,065	17,752	17,041	6,936	-	3,461	-	1	232
88			65,482		18,585	408	1,065	17,752	17,041	6,936	-	3,461	-	1	232

Exhibit_____ (E-RDP-3CU)
Schedule 7B
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Primary Demand

Line	Account	No.	Balance	Allocator	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
89	D. CUSTOMER ACCOUNTS AND SERVICE														
90	Supervision	901	-	NCP_Pri	-	-	-	-	-	-	-	-	-	-	-
91	Supervision- Collections	901Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
92	Supervision- Competitive	901Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
93	Meter Reading Exp- Comp	902Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
94	Cust Recs & Coll	903	-	None	-	-	-	-	-	-	-	-	-	-	-
95	Cust Recs & Coll- Coll	903Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
96	Cust Recs & Coll- Comp	903Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
97	Uncollectible- Delivery	904	6,249	Write-Offs-Del	5,851	11	110	173	53	18	2	11	6	14	-
98	Uncollectible- Comm	904Comm	-	None	-	-	-	-	-	-	-	-	-	-	-
99	Misc Cust Acct	905	-	None	-	-	-	-	-	-	-	-	-	-	-
100	Misc Cust Acct Coll	905Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
101	Misc Cust Acct- Comp	905Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
102	Customer Accts. Exp.	901-905	6,249		5,851	11	110	173	53	18	2	11	6	14	-
103															
104	Supervision	907	-	None	-	-	-	-	-	-	-	-	-	-	-
105	Customer Assist	908	-	None	-	-	-	-	-	-	-	-	-	-	-
106	Low Inc Disc	908LI	-	None	-	-	-	-	-	-	-	-	-	-	-
107	SBC	908EDAd	-	None	-	-	-	-	-	-	-	-	-	-	-
107	Econ Dev	908Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
108	ETIP/DSM	908EE	-	None	-	-	-	-	-	-	-	-	-	-	-
109	Customer Assistance	910	-	None	-	-	-	-	-	-	-	-	-	-	-
110	Customer Serv. Exp.		-		-	-	-	-	-	-	-	-	-	-	-
111	Customer Accts. & Serv. Exp.	901-919	6,249		5,851	11	110	173	53	18	2	11	6	14	-
112															

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Schedule 7B
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Primary Demand

Line	Account	No.	Balance	Allocator	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
113	E. ADMINISTRATIVE AND GENERAL														
114	A&G-Salaries	920	10,980	PriD-Lab	3,864	86	221	2,639	2,550	1,050	-	527	-	0	43
115	A&G-Salaries COMP	920Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
116	Major accounts	920Maj	-	None	-	-	-	-	-	-	-	-	-	-	-
117	A&G-Office Supp	921	6,339	PriD-Lab	2,231	50	127	1,524	1,472	606	-	304	-	0	25
118	A&G-Office Supp COLL	921Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
119	A&G-Office Supp COMP	921Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
120	A&G-Outside Servi	923	9,810	PriD-Lab	3,452	77	197	2,358	2,278	938	-	471	-	0	39
121	A&G-Programs	923Prog	-	None	-	-	-	-	-	-	-	-	-	-	-
122	A&G-Business	923Bus	-	None	-	-	-	-	-	-	-	-	-	-	-
123	A&G-Outside Serv COLL	923Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
124	A&G-Outside Serv COMP	923Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
125	Property Insurance	924	638	PriD-PT	216	4	13	159	151	61	-	30	-	0	4
126	Injuries & Damages Insur	925	1,722	PriD-Lab	606	14	35	414	400	165	-	83	-	0	7
127	Empl Pensions & Bene	926	8,585	PriD-Lab	3,021	67	173	2,064	1,994	821	-	412	-	0	34
128	Regulatory Comm Expenses	928	-	None	-	-	-	-	-	-	-	-	-	-	-
129	A&G-Insti GW Adv	930110	101	PriD-PT	34	1	2	25	24	10	-	5	-	0	1
130	A&G-Misc Expenses	930200	-	None	-	-	-	-	-	-	-	-	-	-	-
131	A&G-R&D	930210	-	None	-	-	-	-	-	-	-	-	-	-	-
132	A&G-Rents	931	9,970	Account931	6,077	52	453	1,199	883	306	59	152	118	440	231
133	A&G Maint-Gen Plant-Elec	935	376	PriD-Lab	132	3	8	90	87	36	-	18	-	0	1
134	Admin & Genl. Exp.	920-932	48,520		19,633	354	1,228	10,473	9,840	3,991	59	2,001	118	441	385
135	Total Operating Expenses		120,252		44,070	773	2,403	28,398	26,934	10,945	61	5,473	123	456	617
136															
137	II. DEPRECIATION EXPENSE														
138	Deprec exp- Tran	403Tx	-	None	-	-	-	-	-	-	-	-	-	-	-
139	Deprec exp- Struct/Station	403Dx	25,012	NCP_Pri	13,495	277	784	4,051	3,856	1,545	-	764	-	-	240
140	Deprec exp- PTF/OH/UG	403Dx	13,322	NCP_Pri-PLCC	-	-	-	5,283	5,027	2,014	-	997	-	1	-
141	Deprec exp- Xfrmrs	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
142	Deprec exp- Services	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
143	Deprec exp- Meters	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
144	Deprec exp- SL	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
145	Deprec exp- Genl	403Gx	2,904	PriD-Lab	1,022	23	58	698	674	278	-	139	-	0	11
146	Amort Other Reg Assets	407300	-	None	-	-	-	-	-	-	-	-	-	-	-
147	Depreciation Expense	403	41,237		14,517	300	842	10,032	9,557	3,836	-	1,900	-	1	252
148															

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Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Primary Demand

Line	Account	No.	Balance	Allocator	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
149	III. TAXES and OTHER														
150	A. GENERAL TAXES														
151	Municipal property tax	408140	36,574	PriD-PT-Tax	12,303	252	714	9,155	8,712	3,490	-	1,727	-	1	219
152	Payroll related	408110	3,189	PriD-Lab	1,122	25	64	767	741	305	-	153	-	0	13
153	Other tax	408170	37	PriD-PT	12	0	1	9	9	3	-	2	-	0	0
154	General Taxes		39,800		13,438	278	779	9,931	9,462	3,799	-	1,882	-	1	232
155															
156	B. FEDERAL / STATE INCOME TAXES														
157	Federal Income Tax Exp		(2,095)	PriD-Pretax	(2,355)	(18)	(189)	213	378	184	(25)	84	(53)	(173)	(140)
158	State Income Tax Exp		3,588	PriD-Pretax	4,034	30	324	(366)	(647)	(314)	43	(143)	91	296	239
159	Income Taxes	409-411	1,493		1,679	13	135	(152)	(269)	(131)	18	(60)	38	123	100
160	Total Taxes	408-411	41,293		15,117	290	914	9,779	9,192	3,668	18	1,822	38	124	331
161	Revenue taxes		-	None	-	-	-	-	-	-	-	-	-	-	-
162	TOTAL EXPENSES		202,782		73,703	1,363	4,159	48,209	45,684	18,449	78	9,195	161	581	1,200
163															
164	IV. OPERATING REVENUES at Present Rates														
165	Distribution revenue		305,348	Tot_DistRev	191,294	2,265	13,798	36,608	25,756	8,814	1,354	4,788	2,883	9,433	8,355
166	Revenue taxes		-	None	-	-	-	-	-	-	-	-	-	-	-
167	Commodity revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
168	CEF ETIP revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
169	Wholesale transmission		-	None	-	-	-	-	-	-	-	-	-	-	-
170	Late Payments charges		3,039	Write-Offs-Del	2,845	5	53	84	26	9	1	5	3	7	-
171	Pole attachments		1,157	NCP_Pri-PLCC	-	-	-	459	437	175	-	87	-	0	-
172	DLM / Load Control		526	PriD-Lab	185	4	11	126	122	50	-	25	-	0	2
173	Large Customer Discounts		-	None	-	-	-	-	-	-	-	-	-	-	-
174	CSS Restablishment		-	None	-	-	-	-	-	-	-	-	-	-	-
175	Special L Revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
174	Merchant Function Charge		-	None	-	-	-	-	-	-	-	-	-	-	-
176	Other Revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
177	Billing credit		-	None	-	-	-	-	-	-	-	-	-	-	-
178	Operating Revenues		310,070		194,324	2,274	13,862	37,278	26,341	9,048	1,355	4,905	2,886	9,439	8,357
179															
180	TOTAL EXPENSES		202,782		73,703	1,363	4,159	48,209	45,684	18,449	78	9,195	161	581	1,200
181	V. NET INCOME at Present Rat		107,287		120,621	912	9,703	(10,931)	(19,343)	(9,402)	1,277	(4,290)	2,725	8,859	7,157
182															

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Schedule 7B
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Primary Demand

Line	Account	No.	Balance	Allocator	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
183	SUMMARY REPORT														
184	Utility Revenues	440-446	305,348		191,294	2,265	13,798	36,608	25,756	8,814	1,354	4,788	2,883	9,433	8,355
185	Other Operating Revenues	450-456	4,722		3,031	9	64	670	585	234	1	117	3	7	2
186	Total Operating Revenues		310,070		194,324	2,274	13,862	37,278	26,341	9,048	1,355	4,905	2,886	9,439	8,357
187															
188	Distribution / Transmission	580-599	65,482		18,585	408	1,065	17,752	17,041	6,936	0	3,461	0	1	232
189	Customer Acctg & Service	901-919	6,249		5,851	11	110	173	53	18	2	11	6	14	0
190	Admin & General	920-932	48,520		19,633	354	1,228	10,473	9,840	3,991	59	2,001	118	441	385
191	Total Operating Expenses		120,252		44,070	773	2,403	28,398	26,934	10,945	61	5,473	123	456	617
192															
193	Depreciation Expense	403	41,237		14,517	300	842	10,032	9,557	3,836	0	1,900	0	1	252
194	Taxes Other Than Income Tax /	408	39,800		13,438	278	779	9,931	9,462	3,799	0	1,882	0	1	232
195	Income before Income tax		108,781		122,299	925	9,838	(11,083)	(19,612)	(9,532)	1,294	(4,350)	2,763	8,982	7,257
196	Income Taxes	409-411	1,493		1,679	13	135	(152)	(269)	(131)	18	(60)	38	123	100
197	NET INCOME		107,287		120,621	912	9,703	(10,931)	(19,343)	(9,402)	1,277	(4,290)	2,725	8,859	7,157
198															
199	RATE BASE		1,081,826		393,322	8,086	22,835	257,841	245,501	98,462	9	48,760	17	81	6,913
200	Return on Rate Base		9.92%												
201															
202	REVENUE REQUIREMENTS														
203	Target Rate of Return		6.3100%		6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%
204	Rate Base		1,081,826		393,322	8,086	22,835	257,841	245,501	98,462	9	48,760	17	81	6,913
205															
206	Operating expenses		114,003		38,218	762	2,293	28,225	26,881	10,927	59	5,462	118	442	617
207	Uncollectibles- Delivery		5,491	Write-Offs-Del	5,142	10	97	152	47	16	2	10	5	12	0
208	Depreciation expense		41,237		14,517	300	842	10,032	9,557	3,836	0	1,900	0	1	252
209	General taxes / Other		39,800		13,438	278	779	9,931	9,462	3,799	0	1,882	0	1	232
210	Subtotal- Operating Costs to rec		200,531		71,315	1,349	4,010	48,340	45,946	18,578	60	9,254	123	456	1,101
211															
212	Target Return on Rate Base- Aft		68,263		24,819	510	1,441	16,270	15,491	6,213	1	3,077	1	5	436
213	Income taxes to recover		5,161		1,876	39	109	1,230	1,171	470	0	233	0	0	33
214				7.56%											
215	Subtotal- Rev Req before GRT		273,955		98,010	1,897	5,560	65,840	62,609	25,261	61	12,563	124	461	1,570
216	GRT needed		0	0.00%	0	0	0	0	0	0	0	0	0	0	0
217	TOTAL REVENUE REQ.		273,955		98,010	1,897	5,560	65,840	62,609	25,261	61	12,563	124	461	1,570

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Corrections and Updates
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Electric Rate Design Panel

Exhibit __ (E-RDP-3CU)

Allocated (Embedded) Class Cost of Service Study

Schedule 7C

Class Allocation-Primary Customer

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Primary Customer

Line	Account	No.	Balance	Allocator	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	I. ELECTRIC PLANT IN SERVICE														
2	INTANGIBLE PLANT														
3	Organization	302	5,069	PriC-DiPt	4,536	16	356	148	11	2	-	0	-	-	-
4	Intangible Plant		5,069		4,536	16	356	148	11	2	-	0	-	-	-
5															
6	C. TRANSMISSION PLANT														
7	Transmission Plant	361	-	None	-	-	-	-	-	-	-	-	-	-	-
8	Transmission Plant	350-359	-		-	-	-	-	-	-	-	-	-	-	-
9															
10	D. DISTRIBUTION PLANT														
11	Land and land rights	360	-	None	-	-	-	-	-	-	-	-	-	-	-
12	Structures and impr.	361	-	None	-	-	-	-	-	-	-	-	-	-	-
13	Station equipment	362	-	None	-	-	-	-	-	-	-	-	-	-	-
14	Poles, towers and fixtures	364	745,364	Cust-Pri	666,946	2,322	52,299	21,799	1,641	326	-	30	-	-	-
15	OH conductors, devices	365	1,314,385	Cust-Pri	1,176,101	4,095	92,225	38,441	2,894	575	-	53	-	-	-
16	UG conduits	366	83,490	Cust-Pri	74,706	260	5,858	2,442	184	37	-	3	-	-	-
17	UG conductors, devices	367	418,248	Cust-Pri	374,245	1,303	29,347	12,232	921	183	-	17	-	-	-
18	Line transformers	368	-	None	-	-	-	-	-	-	-	-	-	-	-
19	Services	369	-	None	-	-	-	-	-	-	-	-	-	-	-
20	Meters	370	-	None	-	-	-	-	-	-	-	-	-	-	-
21	Installs customer premises	371	-	None	-	-	-	-	-	-	-	-	-	-	-
22	Street lighting, signals	373	-	None	-	-	-	-	-	-	-	-	-	-	-
23	346/363 -Solar / Battery Storage	374	-	None	-	-	-	-	-	-	-	-	-	-	-
24	Distribution Plant	360-373	2,561,486		2,291,998	7,980	179,729	74,914	5,640	1,121	-	104	-	-	-
25															
26	E. GENERAL PLANT														
27	General Plant	389	101,825	PriC-Lab	91,112	317	7,145	2,978	224	45	-	4	-	-	-
28	Common Plant	391	76,419	PriC-Lab	68,379	238	5,362	2,235	168	33	-	3	-	-	-
29	General Plant	389-399	178,244		159,491	555	12,507	5,213	392	78	-	7	-	-	-
30															
31	TOTAL UTILITY PLANT		2,744,799		2,456,025	8,551	192,591	80,275	6,044	1,201	-	111	-	-	-
32															

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Schedule 7C
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Primary Customer

Line	Account	No.	Balance	Allocator	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
33	II. DEPRECIATION RESERVE														
34	Franchises and consents	108.3	1,530	PriC-DiPt	1,369	5	107	45	3	1	-	0	-	-	-
35	Transmission Plant	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
36	Land Rts, Subst, Struct	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
37	PTF / OH / UG	108.5	880,893	Cust-Pri	788,217	2,744	61,809	25,763	1,940	385	-	36	-	-	-
38	Line Transformers	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
39	Services	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
40	Meters	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
41	Lighting	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
42	Customer premises	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
43	General Plant	108.6	83,542	PriC-Lab	74,752	260	5,862	2,443	184	37	-	3	-	-	-
44	Depreciation Reserve	108	965,965		864,338	3,009	67,778	28,251	2,127	423	-	39	-	-	-
45															
46	III. OTHER RATE BASE ITEMS														
47	Other Reg Assets		-	None	-	-	-	-	-	-	-	-	-	-	-
48	Materials and Supplies		12,858	PriC-OpExp	11,304	42	885	440	89	27	4	11	8	31	16
49	Prepayments		(7,919)	PriC-OpExp	(6,962)	(26)	(545)	(271)	(55)	(17)	(3)	(7)	(5)	(19)	(10)
50	Other Net Plant		-	None	-	-	-	-	-	-	-	-	-	-	-
51	Cash Working Capital		35,174	PriC-OpExp	30,924	114	2,420	1,204	244	74	11	31	23	85	45
52	Cash Working Cap- Comm		-	None	-	-	-	-	-	-	-	-	-	-	-
53	Accumulated Deferred FIT		(398,645)	PriC-PT	(356,705)	(1,242)	(27,971)	(11,659)	(878)	(174)	-	(16)	-	-	-
54	Non Interest Bearing CWIP		18,394	PriC-PT	16,459	57	1,291	538	41	8	-	1	-	-	-
55	EBCap Adjustment		(33,175)	PriC-RB	(29,670)	(103)	(2,327)	(975)	(77)	(16)	(0)	(2)	(1)	(2)	(1)
56	Other Rate Base	131-283	(373,313)		(334,650)	(1,158)	(26,247)	(10,723)	(636)	(98)	13	18	25	95	50
57															
58	TOTAL RATE BASE		1,405,522		1,257,037	4,383	98,567	41,302	3,280	680	13	90	25	95	50
59															

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Schedule 7C
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Primary Customer

Line	Account	No.	Balance	Allocator	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
60	I. OPERATING AND MAINTENANCE EXPENSES														
61	B. TRANSMISSION EXPENSE														
62	Transmission Expense		-	None	-	-	-	-	-	-	-	-	-	-	-
63	Transmission Expense		-		-	-	-	-	-	-	-	-	-	-	-
64															
65	C. DISTRIBUTION EXPENSE														
66	Purchased Power	555	-	None	-	-	-	-	-	-	-	-	-	-	-
67	Transmission O&M	580	-	None	-	-	-	-	-	-	-	-	-	-	-
68	Oper-Supervision & Eng	580	6,199	PriC-Lab	5,547	19	435	181	14	3	-	0	-	-	-
69	Oper-Load Dispatching	581	-	None	-	-	-	-	-	-	-	-	-	-	-
70	Oper-Substations	582	-	None	-	-	-	-	-	-	-	-	-	-	-
71	Oper-Overhead Lines	583	13,204	Cust-Pri	11,815	41	926	386	29	6	-	1	-	-	-
72	Oper-Underground Lines	584	4,055	Cust-Pri	3,628	13	285	119	9	2	-	0	-	-	-
73	Oper-Outdoor Lighting	585	-	None	-	-	-	-	-	-	-	-	-	-	-
74	Oper-Electric Meters	586	-	None	-	-	-	-	-	-	-	-	-	-	-
75	Oper-Customer Install.	587	-	None	-	-	-	-	-	-	-	-	-	-	-
76	Oper-Misc Expenses	588	14,670	PriC-DiPT	13,127	46	1,029	429	32	6	-	1	-	-	-
77	Oper-Rents	589	242	PriC-Lab	216	1	17	7	1	0	-	0	-	-	-
78	Maint-Supervision & Eng	590	1,452	PriC-Lab	1,299	5	102	42	3	1	-	0	-	-	-
79	Maint-Structures	591	-	None	-	-	-	-	-	-	-	-	-	-	-
80	Maint-Substations	592	-	None	-	-	-	-	-	-	-	-	-	-	-
81	Maint-Overhead Lines	593	132,581	Cust-Pri	118,632	413	9,303	3,878	292	58	-	5	-	-	-
82	Maint-Underground Lines	594	5,293	Cust-Pri	4,736	16	371	155	12	2	-	0	-	-	-
83	Maint-Line Transformers	595	-	None	-	-	-	-	-	-	-	-	-	-	-
84	Maint-Outdoor Lighting	596	-	None	-	-	-	-	-	-	-	-	-	-	-
85	Maint-Electric Meters	597	-	None	-	-	-	-	-	-	-	-	-	-	-
86	Maint-Misc Distr Plant	599	1,405	PriC-DiPT	1,257	4	99	41	3	1	-	0	-	-	-
87	Oper. & Maint. Exp.	500-599	179,101		160,258	558	12,567	5,238	394	78	-	7	-	-	-
88			179,101		160,258	558	12,567	5,238	394	78	-	7	-	-	-
89	D. CUSTOMER ACCOUNTS AND SERVICE														
90	Supervision	901	-	Cust-Pri	-	-	-	-	-	-	-	-	-	-	-
91	Supervision- Collections	901Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
92	Supervision- Competitive	901Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
93	Meter Reading Exp- Comp	902Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
94	Cust Recs & Coll	903	-	None	-	-	-	-	-	-	-	-	-	-	-
95	Cust Recs & Coll- Coll	903Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
96	Cust Recs & Coll- Comp	903Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
97	Uncollectible- Delivery	904	8,118	Write-Offs-Del	7,602	14	143	225	69	24	3	14	7	18	-
98	Uncollectible- Comm	904Comm	-	None	-	-	-	-	-	-	-	-	-	-	-
99	Misc Cust Acct	905	-	None	-	-	-	-	-	-	-	-	-	-	-
100	Misc Cust Acct Coll	905Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
101	Misc Cust Acct- Comp	905Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
102	Customer Accts. Exp.	901-905	8,118		7,602	14	143	225	69	24	3	14	7	18	-
103															
104	Supervision	907	-	None	-	-	-	-	-	-	-	-	-	-	-

Exhibit_____ (E-RDP-3CU)
Schedule 7C
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Primary Customer

Line	Account	No.	Balance	Allocator	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
105	Customer Assist	908	-	None	-	-	-	-	-	-	-	-	-	-	-
106	Low Inc Disc	908LI	-	None	-	-	-	-	-	-	-	-	-	-	-
107	SBC	08EDAd	-	None	-	-	-	-	-	-	-	-	-	-	-
107	Econ Dev	908Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
108	ETIP/DSM	908EE	-	None	-	-	-	-	-	-	-	-	-	-	-
109	Customer Assistance	910	-	None	-	-	-	-	-	-	-	-	-	-	-
110	Customer Serv. Exp.		-		-	-	-	-	-	-	-	-	-	-	-
111	Customer Accts. & Serv. Exp.	901-919	8,118		7,602	14	143	225	69	24	3	14	7	18	-
112															

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Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Primary Customer

Line	Account	No.	Balance	Allocator	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
113	E. ADMINISTRATIVE AND GENERAL														
114	A&G-Salaries	920	21,508	PriC-Lab	19,245	67	1,509	629	47	9	-	1	-	-	-
115	A&G-Salaries COMP	920Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
116	Major accounts	920Maj	-	None	-	-	-	-	-	-	-	-	-	-	-
117	A&G-Office Supp	921	12,417	PriC-Lab	11,111	39	871	363	27	5	-	1	-	-	-
118	A&G-Office Supp COLL	921Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
119	A&G-Office Supp COMP	921Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
120	A&G-Outside Servi	923	19,217	PriC-Lab	17,195	60	1,348	562	42	8	-	1	-	-	-
121	A&G-Programs	923Prog	-	PriC-Lab	-	-	-	-	-	-	-	-	-	-	-
122	A&G-Business	923Bus	-	PriC-Lab	-	-	-	-	-	-	-	-	-	-	-
123	A&G-Outside Serv COLL	923Coll	-	PriC-Lab	-	-	-	-	-	-	-	-	-	-	-
124	A&G-Outside Serv COMP	923Comp	-	PriC-Lab	-	-	-	-	-	-	-	-	-	-	-
125	Property Insurance	924	943	PriC-PT	844	3	66	28	2	0	-	0	-	-	-
126	Injuries & Damages Insur	925	3,373	PriC-Lab	3,018	11	237	99	7	1	-	0	-	-	-
127	Empl Pensions & Bene	926	16,817	PriC-Lab	15,047	52	1,180	492	37	7	-	1	-	-	-
128	Regulatory Comm Expenses	928	-	RateBase	-	-	-	-	-	-	-	-	-	-	-
129	A&G-Insti GW Adv	930110	131	PriC-RB	117	0	9	4	0	0	0	0	0	0	0
130	A&G-Misc Expenses	930200	-	RateBase	-	-	-	-	-	-	-	-	-	-	-
131	A&G-R&D	930210	-	PriC-PT	-	-	-	-	-	-	-	-	-	-	-
132	A&G-Rents	931	14,739	Account931	8,983	77	669	1,773	1,306	452	87	225	174	651	341
133	A&G Maint-Gen Plant-Elec	935	737	PriC-Lab	660	2	52	22	2	0	-	0	-	-	-
134	Admin & Genl. Exp.	920-932	89,883		76,221	312	5,942	3,970	1,471	485	87	228	174	651	341
135	Total Operating Expenses		277,102		244,082	884	18,651	9,434	1,935	587	89	250	182	669	341
136															
137	II. DEPRECIATION EXPENSE														
138	Deprec exp- Tran	403Tx	-	None	-	-	-	-	-	-	-	-	-	-	-
139	Deprec exp- Struct/Station	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
140	Deprec exp- PTF/OH/UG	403Dx	51,746	Cust-Pri	46,302	161	3,631	1,513	114	23	-	2	-	-	-
141	Deprec exp- Xfrmrs	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
142	Deprec exp- Services	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
143	Deprec exp- Meters	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
144	Deprec exp- SL	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
145	Deprec exp- Genl	403Gx	5,688	PriC-Lab	5,090	18	399	166	13	2	-	0	-	-	-
146	Amort Other Reg Assets	407300	-	None	-	-	-	-	-	-	-	-	-	-	-
147	Depreciation Expense	403	57,434		51,392	179	4,030	1,680	126	25	-	2	-	-	-
148															

Exhibit_____ (E-RDP-3CU)
Schedule 7C
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Primary Customer

Line	Account	No.	Balance	Allocator	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
149	III. TAXES and OTHER														
150	A. GENERAL TAXES														
151	Municipal property tax	408140	53,494	PriC-PT-Tax	47,866	167	3,753	1,565	118	23	-	2	-	-	-
152	Payroll related	408110	6,247	PriC-Lab	5,590	19	438	183	14	3	-	0	-	-	-
153	Other tax	408170	54	PriC-PT	48	0	4	2	0	0	-	0	-	-	-
154	General Taxes		59,796		53,505	186	4,196	1,749	132	26	-	2	-	-	-
155															
156	B. FEDERAL / STATE INCOME TAXES														
157	Federal Income Tax Exp		(362)	PriC-Pretax	1,647	(33)	156	(677)	(603)	(209)	(32)	(115)	(69)	(223)	(202)
158	State Income Tax Exp		619	PriC-Pretax	(2,822)	57	(267)	1,160	1,034	357	55	197	118	383	347
159	Income Taxes	409-411	258		(1,174)	24	(111)	483	430	149	23	82	49	159	144
160	Total Taxes	408-411	60,054		52,331	210	4,085	2,232	562	175	23	84	49	159	144
161	Revenue taxes		-	None	-	-	-	-	-	-	-	-	-	-	-
162	TOTAL EXPENSES		394,590		347,804	1,273	26,766	13,345	2,623	787	112	336	231	828	486
163															
164	IV. OPERATING REVENUES at Present Rates														
165	Distribution revenue		396,711	Tot_DistRev	248,531	2,943	17,926	47,562	33,463	11,451	1,759	6,220	3,746	12,255	10,855
166	Revenue taxes		-	None	-	-	-	-	-	-	-	-	-	-	-
167	Commodity revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
168	CEF ETIP revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
169	Wholesale transmission		-	None	-	-	-	-	-	-	-	-	-	-	-
170	Late Payments charges		5,387	Write-Offs-Del	5,045	9	95	149	46	16	2	9	5	12	-
171	Pole attachments		9,979	Cust-Pri	8,929	31	700	292	22	4	-	0	-	-	-
172	DLM / Load Control		1,030	PriC-Lab	922	3	72	30	2	0	-	0	-	-	-
173	Large Customer Discounts		-	None	-	-	-	-	-	-	-	-	-	-	-
174	CSS Restablishment		-	None	-	-	-	-	-	-	-	-	-	-	-
175	Special L Revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
174	Merchant Function Charge		-	None	-	-	-	-	-	-	-	-	-	-	-
176	Other Revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
177	Billing credit		-	None	-	-	-	-	-	-	-	-	-	-	-
178	Operating Revenues		413,107		263,426	2,986	18,793	48,034	33,533	11,471	1,761	6,230	3,751	12,267	10,855
179															
180	TOTAL EXPENSES		394,590		347,804	1,273	26,766	13,345	2,623	787	112	336	231	828	486
181	V. NET INCOME at Present Rat		18,518		(84,378)	1,714	(7,973)	34,689	30,910	10,684	1,649	5,894	3,520	11,439	10,370
182															

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Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Primary Customer

Line	Account	No.	Balance	Allocator	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
183	SUMMARY REPORT														
184	Utility Revenues	440-446	396,711		248,531	2,943	17,926	47,562	33,463	11,451	1,759	6,220	3,746	12,255	10,855
185	Other Operating Revenues	450-456	16,396		14,895	44	867	471	70	20	2	10	5	12	0
186	Total Operating Revenues		413,107		263,426	2,986	18,793	48,034	33,533	11,471	1,761	6,230	3,751	12,267	10,855
187															
188	Distribution / Transmission	580-599	179,101		160,258	558	12,567	5,238	394	78	0	7	0	0	0
189	Customer Acctg & Service	901-919	8,118		7,602	14	143	225	69	24	3	14	7	18	0
190	Admin & General	920-932	89,883		76,221	312	5,942	3,970	1,471	485	87	228	174	651	341
191	Total Operating Expenses		277,102		244,082	884	18,651	9,434	1,935	587	89	250	182	669	341
192															
193	Depreciation Expense	403	57,434		51,392	179	4,030	1,680	126	25	0	2	0	0	0
194	Taxes Other Than Income Tax /	408	59,796		53,505	186	4,196	1,749	132	26	0	2	0	0	0
195	Income before Income tax		18,775		(85,552)	1,738	(8,084)	35,171	31,340	10,833	1,672	5,976	3,569	11,598	10,514
196	Income Taxes	409-411	258		(1,174)	24	(111)	483	430	149	23	82	49	159	144
197	NET INCOME		18,518		(84,378)	1,714	(7,973)	34,689	30,910	10,684	1,649	5,894	3,520	11,439	10,370
198															
199	RATE BASE		1,405,522		1,257,037	4,383	98,567	41,302	3,280	680	13	90	25	95	50
200	Return on Rate Base		1.32%												
201															
202	REVENUE REQUIREMENTS														
203	Target Rate of Return		6.3100%		6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%
204	Rate Base		1,405,522		1,257,037	4,383	98,567	41,302	3,280	680	13	90	25	95	50
205															
206	Operating expenses		268,984		236,480	869	18,509	9,208	1,866	563	87	236	174	651	341
207	Uncollectibles- Delivery		9,735	Write-Offs-Del	9,116	17	171	270	82	28	3	17	9	21	0
208	Depreciation expense		57,434		51,392	179	4,030	1,680	126	25	0	2	0	0	0
209	General taxes / Other		59,796		53,505	186	4,196	1,749	132	26	0	2	0	0	0
210	Subtotal- Operating Costs to rec		395,948		350,492	1,252	26,905	12,907	2,206	643	90	257	183	672	341
211															
212	Target Return on Rate Base- Aft		88,688		79,319	277	6,220	2,606	207	43	1	6	2	6	3
213	Income taxes to recover		6,705		5,997	21	470	197	16	3	0	0	0	0	0
214				7.56%											
215	Subtotal- Rev Req before GRT		491,342		435,807	1,549	33,595	15,710	2,429	689	91	263	185	678	345
216	GRT needed		0	0.00%	0	0	0	0	0	0	0	0	0	0	0
217	TOTAL REVENUE REQ.		491,342		435,807	1,549	33,595	15,710	2,429	689	91	263	185	678	345

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Schedule 7C
Corrections and Updates
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Electric Rate Design Panel

Exhibit __ (E-RDP-3CU)

Allocated (Embedded) Class Cost of Service Study

Schedule 7D

Class Allocation-Secondary Demand

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Secondary Demand

Line	Account	No.	Balance	Allocator	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	I. ELECTRIC PLANT IN SERVICE														
2	INTANGIBLE PLANT														
3	Organization	302	2,447	SecD-DiPt	1,408	5	88	581	334	-	-	8	-	-	23
4	Intangible Plant		2,447		1,408	5	88	581	334	-	-	8	-	-	23
5															
6	C. TRANSMISSION PLANT														
7	Transmission Plant	361	-	None	-	-	-	-	-	-	-	-	-	-	-
8	Transmission Plant	350-359	-		-	-	-	-	-	-	-	-	-	-	-
9															
10	D. DISTRIBUTION PLANT														
11	Land and land rights	360	-	None	-	-	-	-	-	-	-	-	-	-	-
12	Structures and impr.	361	-	None	-	-	-	-	-	-	-	-	-	-	-
13	Station equipment	362	-	None	-	-	-	-	-	-	-	-	-	-	-
14	Poles, towers and fixtures	364	8,154	NCP_Sec-PLCC	-	-	-	4,063	3,950	-	-	142	-	-	-
15	OH conductors, devices	365	555	NCP_Sec-PLCC	-	-	-	277	269	-	-	10	-	-	-
16	UG conduits	366	98,026	NCP_Sec-PLCC	-	-	-	48,843	47,479	-	-	1,704	-	-	-
17	UG conductors, devices	367	19,073	NCP_Sec-PLCC	-	-	-	9,503	9,238	-	-	332	-	-	-
18	Line transformers	368	1,110,485	Xfmr_Cost	711,320	2,477	44,268	230,946	107,764	-	-	1,985	-	-	11,725
19	Services	369	-	None	-	-	-	-	-	-	-	-	-	-	-
20	Meters	370	-	None	-	-	-	-	-	-	-	-	-	-	-
21	Installs customer premises	371	-	None	-	-	-	-	-	-	-	-	-	-	-
22	Street lighting, signals	373	-	None	-	-	-	-	-	-	-	-	-	-	-
23	346/363 -Solar / Battery Storage	374	-	None	-	-	-	-	-	-	-	-	-	-	-
24	Distribution Plant	360-373	1,236,293		711,320	2,477	44,268	293,632	168,699	-	-	4,172	-	-	11,725
25															
26	E. GENERAL PLANT														
27	General Plant	389	10,109	SecD-Lab	5,160	18	321	2,698	1,776	-	-	50	-	-	85
28	Common Plant	391	7,586	SecD-Lab	3,872	13	241	2,025	1,333	-	-	38	-	-	64
29	General Plant	389-399	17,695		9,032	31	562	4,724	3,109	-	-	88	-	-	149
30															
31	TOTAL UTILITY PLANT		1,256,434		721,759	2,513	44,918	298,936	172,142	-	-	4,268	-	-	11,898
32															

Exhibit_____ (E-RDP-3CU)
Schedule 7D
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Secondary Demand

Line	Account	No.	Balance	Allocator	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
33	II. DEPRECIATION RESERVE														
34	Franchises and consents	108.3	738	SecD-DiPt	425	1	26	175	101	-	-	2	-	-	7
35	Transmission Plant	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
36	Land Rts, Subst, Struct	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
37	PTF / OH / UG	108.5	43,265	NCP_Sec-PLCC	-	-	-	21,558	20,956	-	-	752	-	-	-
38	Line Transformers	108.5	366,325	Xfmr_Cost	234,649	817	14,603	76,184	35,549	-	-	655	-	-	3,868
39	Services	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
40	Meters	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
41	Lighting	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
42	Customer premises	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
43	General Plant	108.6	8,293	SecD-Lab	4,233	15	263	2,214	1,457	-	-	41	-	-	70
44	Depreciation Reserve	108	418,622		239,307	833	14,893	100,131	58,063	-	-	1,450	-	-	3,945
45															
46	III. OTHER RATE BASE ITEMS														
47	Other Reg Assets		-	NCP_Sec	-	-	-	-	-	-	-	-	-	-	-
48	Materials and Supplies		1,292	SecD-OpExp	657	3	43	313	220	10	2	11	4	14	15
49	Prepayments		(796)	SecD-OpExp	(404)	(2)	(27)	(193)	(135)	(6)	(1)	(7)	(2)	(9)	(9)
50	Other Net Plant		-	SecD-RB	-	-	-	-	-	-	-	-	-	-	-
51	Cash Working Capital		3,533	SecD-OpExp	1,796	9	118	857	601	27	5	29	10	39	41
52	Cash Working Cap- Comm		-	None	-	-	-	-	-	-	-	-	-	-	-
53	Accumulated Deferred FIT		(182,480)	SecD-PT	(104,826)	(365)	(6,524)	(43,416)	(25,001)	-	-	(620)	-	-	(1,728)
54	Non Interest Bearing CWIP		8,420	SecD-PT	4,837	17	301	2,003	1,154	-	-	29	-	-	80
55	EBCap Adjustment		(13,383)	SecD-RB	(7,706)	(27)	(480)	(3,174)	(1,822)	(1)	(0)	(45)	(0)	(1)	(127)
56	Other Rate Base	131-283	(183,413)		(105,647)	(365)	(6,567)	(43,610)	(24,984)	30	6	(604)	12	44	(1,729)
57															
58	TOTAL RATE BASE		654,399		376,806	1,315	23,458	155,196	89,096	30	6	2,214	12	44	6,224
59															

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Schedule 7D
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Secondary Demand

Line	Account	No.	Balance	Allocator	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
60	I. OPERATING AND MAINTENANCE EXPENSES														
61	B. TRANSMISSION EXPENSE														
62	Transmission Expense		-	None	-	-	-	-	-	-	-	-	-	-	-
63	Transmission Expense		-		-	-	-	-	-	-	-	-	-	-	-
64															
65	C. DISTRIBUTION EXPENSE														
66	Purchased Power	555	-	None	-	-	-	-	-	-	-	-	-	-	-
67	Transmission O&M	580	-	None	-	-	-	-	-	-	-	-	-	-	-
68	Oper-Supervision & Eng	580	494	SecD-Lab	252	1	16	132	87	-	-	2	-	-	4
69	Oper-Load Dispatching	581	-	None	-	-	-	-	-	-	-	-	-	-	-
70	Oper-Substations	582	-	None	-	-	-	-	-	-	-	-	-	-	-
71	Oper-Overhead Lines	583	56	NCP_Sec-PLCC	-	-	-	28	27	-	-	1	-	-	-
72	Oper-Underground Lines	584	946	NCP_Sec-PLCC	-	-	-	472	458	-	-	16	-	-	-
73	Oper-Outdoor Lighting	585	-	None	-	-	-	-	-	-	-	-	-	-	-
74	Oper-Electric Meters	586	-	None	-	-	-	-	-	-	-	-	-	-	-
75	Oper-Customer Install.	587	-	None	-	-	-	-	-	-	-	-	-	-	-
76	Oper-Misc Expenses	588	6,916	SecD-PT	3,973	14	247	1,646	948	-	-	23	-	-	65
77	Oper-Rents	589	19	SecD-Lab	10	0	1	5	3	-	-	0	-	-	0
78	Maint-Supervision & Eng	590	116	SecD-Lab	59	0	4	31	20	-	-	1	-	-	1
79	Maint-Structures	591	-	None	-	-	-	-	-	-	-	-	-	-	-
80	Maint-Substations	592	-	None	-	-	-	-	-	-	-	-	-	-	-
81	Maint-Overhead Lines	593	561	NCP_Sec-PLCC	-	-	-	279	272	-	-	10	-	-	-
82	Maint-Underground Lines	594	1,235	NCP_Sec-PLCC	-	-	-	615	598	-	-	21	-	-	-
83	Maint-Line Transformers	595	1,422	Xfmr_Cost	911	3	57	296	138	-	-	3	-	-	15
84	Maint-Outdoor Lighting	596	-	None	-	-	-	-	-	-	-	-	-	-	-
85	Maint-Electric Meters	597	-	None	-	-	-	-	-	-	-	-	-	-	-
86	Maint-Misc Distr Plant	599	663	SecD-PT	381	1	24	158	91	-	-	2	-	-	6
87	Oper. & Maint. Exp.	500-599	12,428		5,586	19	348	3,661	2,642	-	-	80	-	-	92
88			12,428		5,586	19	348	3,661	2,642	-	-	80	-	-	92
89	D. CUSTOMER ACCOUNTS AND SERVICE														
90	Supervision	901	-	NCP_Sec	-	-	-	-	-	-	-	-	-	-	-
91	Supervision- Collections	901Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
92	Supervision- Competitive	901Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
93	Meter Reading Exp- Comp	902Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
94	Cust Recs & Coll	903	-	None	-	-	-	-	-	-	-	-	-	-	-
95	Cust Recs & Coll- Coll	903Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
96	Cust Recs & Coll- Comp	903Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
97	Uncollectible- Delivery	904	3,780	Write-Offs-Del	3,540	7	66	105	32	11	1	7	3	8	-
98	Uncollectible- Comm	904Comm	-	None	-	-	-	-	-	-	-	-	-	-	-
99	Misc Cust Acct	905	-	None	-	-	-	-	-	-	-	-	-	-	-
100	Misc Cust Acct Coll	905Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
101	Misc Cust Acct- Comp	905Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
102	Customer Accts. Exp.	901-905	3,780		3,540	7	66	105	32	11	1	7	3	8	-
103															
104	Supervision	907	-	None	-	-	-	-	-	-	-	-	-	-	-

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Schedule 7D
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Secondary Demand

Line	Account	No.	Balance	Allocator	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
105	Customer Assist	908	-	None	-	-	-	-	-	-	-	-	-	-	-
106	Low Inc Disc	908LI	-	None	-	-	-	-	-	-	-	-	-	-	-
107	SBC	08EDAd	-	None	-	-	-	-	-	-	-	-	-	-	-
107	Econ Dev	908Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
108	ETIP/DSM	908EE	-	NCP_Sec-PLCC	-	-	-	-	-	-	-	-	-	-	-
109	Customer Assistance	910	-	None	-	-	-	-	-	-	-	-	-	-	-
110	Customer Serv. Exp.		-		-	-	-	-	-	-	-	-	-	-	-
111	Customer Accts. & Serv. Exp.	901-919	3,780		3,540	7	66	105	32	11	1	7	3	8	-
112															

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Secondary Demand

Line	Account	No.	Balance	Allocator	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
113	E. ADMINISTRATIVE AND GENERAL														
114	A&G-Salaries	920	2,135	SecD-Lab	1,090	4	68	570	375	-	-	11	-	-	18
115	A&G-Salaries COMP	920Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
116	Major accounts	920Maj	-	None	-	-	-	-	-	-	-	-	-	-	-
117	A&G-Office Supp	921	1,233	SecD-Lab	629	2	39	329	217	-	-	6	-	-	10
118	A&G-Office Supp COLL	921Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
119	A&G-Office Supp COMP	921Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
120	A&G-Outside Servi	923	1,908	SecD-Lab	974	3	61	509	335	-	-	9	-	-	16
121	A&G-Programs	923Prog	-	SecD-Lab	-	-	-	-	-	-	-	-	-	-	-
122	A&G-Business	923Bus	-	SecD-Lab	-	-	-	-	-	-	-	-	-	-	-
123	A&G-Outside Serv COLL	923Coll	-	SecD-Lab	-	-	-	-	-	-	-	-	-	-	-
124	A&G-Outside Serv COMP	923Comp	-	SecD-Lab	-	-	-	-	-	-	-	-	-	-	-
125	Property Insurance	924	432	SecD-PT	248	1	15	103	59	-	-	1	-	-	4
126	Injuries & Damages Insur	925	335	SecD-Lab	171	1	11	89	59	-	-	2	-	-	3
127	Empl Pensions & Bene	926	1,669	SecD-Lab	852	3	53	446	293	-	-	8	-	-	14
128	Regulatory Comm Expenses	928	-	RateBase	-	-	-	-	-	-	-	-	-	-	-
129	A&G-Insti GW Adv	930110	61	SecD-RB	35	0	2	14	8	0	0	0	0	0	1
130	A&G-Misc Expenses	930200	-	RateBase	-	-	-	-	-	-	-	-	-	-	-
131	A&G-R&D	930210	-	SecD-PT	-	-	-	-	-	-	-	-	-	-	-
132	A&G-Rents	931	6,747	Account931	4,112	35	306	811	598	207	40	103	80	298	156
133	A&G Maint-Gen Plant-Elec	935	73	SecD-Lab	37	0	2	20	13	-	-	0	-	-	1
134	Admin & Genl. Exp.	920-932	14,593		8,149	49	558	2,892	1,957	207	40	141	80	298	223
135	Total Operating Expenses		30,801		17,274	76	972	6,657	4,632	218	41	228	83	306	315
136															
137	II. DEPRECIATION EXPENSE														
138	Deprec exp- Tran	403Tx	-	None	-	-	-	-	-	-	-	-	-	-	-
139	Deprec exp- Struct/Station	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
140	Deprec exp- PTF/OH/UG	403Dx	2,542	NCP_Sec-PLCC	-	-	-	1,266	1,231	-	-	44	-	-	-
141	Deprec exp- Xfrmrs	403Dx	32,234	Xfmr_Cost	20,647	72	1,285	6,704	3,128	-	-	58	-	-	340
142	Deprec exp- Services	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
143	Deprec exp- Meters	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
144	Deprec exp- SL	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
145	Deprec exp- Genl	403Gx	565	SecD-Lab	288	1	18	151	99	-	-	3	-	-	5
146	Amort Other Reg Assets	407300	-	None	-	-	-	-	-	-	-	-	-	-	-
147	Depreciation Expense	403	35,340		20,936	73	1,303	8,121	4,458	-	-	105	-	-	345
148															

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Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Secondary Demand

Line	Account	No.	Balance	Allocator	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
149	III. TAXES and OTHER														
150	A. GENERAL TAXES														
151	Municipal property tax	408140	25,819	SecD-PT-Tax	14,855	52	925	6,132	3,523	-	-	87	-	-	245
152	Payroll related	408110	620	SecD-Lab	317	1	20	166	109	-	-	3	-	-	5
153	Other tax	408170	25	SecD-PT	14	0	1	6	3	-	-	0	-	-	0
154	General Taxes		26,464		15,186	53	945	6,304	3,636	-	-	90	-	-	250
155															
156	B. FEDERAL / STATE INCOME TAXES														
157	Federal Income Tax Exp		(1,135)	SecD-Pretax	(810)	(18)	(69)	58	1	(79)	(12)	(37)	(26)	(83)	(61)
158	State Income Tax Exp		1,945	SecD-Pretax	1,387	30	118	(100)	(1)	135	21	64	44	142	105
159	Income Taxes	409-411	809		577	13	49	(42)	(0)	56	9	26	18	59	44
160	Total Taxes	408-411	27,273		15,763	65	994	6,262	3,635	56	9	117	18	59	294
161	Revenue taxes		-	None	-	-	-	-	-	-	-	-	-	-	-
162	TOTAL EXPENSES		93,414		53,973	214	3,269	21,040	12,725	274	49	449	101	365	954
163															
164	IV. OPERATING REVENUES at Present Rates														
165	Distribution revenue		149,511	Tot_DistRev	93,665	1,109	6,756	17,925	12,611	4,316	663	2,344	1,412	4,619	4,091
166	Revenue taxes		-	None	-	-	-	-	-	-	-	-	-	-	-
167	Commodity revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
168	CEF ETIP revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
169	Wholesale transmission		-	None	-	-	-	-	-	-	-	-	-	-	-
170	Late Payments charges		1,849	Write-Offs-Del	1,731	3	33	51	16	5	1	3	2	4	-
171	Pole attachments		109	NCP_Sec-PLCC	-	-	-	54	53	-	-	2	-	-	-
172	DLM / Load Control		102	SecD-Lab	52	0	3	27	18	-	-	1	-	-	1
173	Large Customer Discounts		-	None	-	-	-	-	-	-	-	-	-	-	-
174	CSS Restablishment		-	None	-	-	-	-	-	-	-	-	-	-	-
175	Special L Revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
174	Merchant Function Charge		-	None	-	-	-	-	-	-	-	-	-	-	-
176	Other Revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
177	Billing credit		-	None	-	-	-	-	-	-	-	-	-	-	-
178	Operating Revenues		151,571		95,449	1,112	6,792	18,058	12,698	4,321	664	2,350	1,413	4,623	4,092
179															
180	TOTAL EXPENSES		93,414		53,973	214	3,269	21,040	12,725	274	49	449	101	365	954
181	V. NET INCOME at Present Rat		58,157		41,476	899	3,523	(2,982)	(27)	4,047	614	1,901	1,312	4,257	3,138
182															

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Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Secondary Demand

Line	Account	No.	Balance	Allocator	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
183	SUMMARY REPORT														
184	Utility Revenues	440-446	149,511		93,665	1,109	6,756	17,925	12,611	4,316	663	2,344	1,412	4,619	4,091
185	Other Operating Revenues	450-456	2,060		1,783	3	36	133	87	5	1	6	2	4	1
186	Total Operating Revenues		151,571		95,449	1,112	6,792	18,058	12,698	4,321	664	2,350	1,413	4,623	4,092
187															
188	Distribution / Transmission	580-599	12,428		5,586	19	348	3,661	2,642	0	0	80	0	0	92
189	Customer Acctg & Service	901-919	3,780		3,540	7	66	105	32	11	1	7	3	8	0
190	Admin & General	920-932	14,593		8,149	49	558	2,892	1,957	207	40	141	80	298	223
191	Total Operating Expenses		30,801		17,274	76	972	6,657	4,632	218	41	228	83	306	315
192															
193	Depreciation Expense	403	35,340		20,936	73	1,303	8,121	4,458	0	0	105	0	0	345
194	Taxes Other Than Income Tax /	408	26,464		15,186	53	945	6,304	3,636	0	0	90	0	0	250
195	Income before Income tax		58,966		42,053	911	3,572	(3,024)	(28)	4,103	623	1,927	1,330	4,317	3,182
196	Income Taxes	409-411	809		577	13	49	(42)	(0)	56	9	26	18	59	44
197	NET INCOME		58,157		41,476	899	3,523	(2,982)	(27)	4,047	614	1,901	1,312	4,257	3,138
198															
199	RATE BASE		654,399		376,806	1,315	23,458	155,196	89,096	30	6	2,214	12	44	6,224
200	Return on Rate Base		8.89%												
201															
202	REVENUE REQUIREMENTS														
203	Target Rate of Return		6.3100%		6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%
204	Rate Base		654,399		376,806	1,315	23,458	155,196	89,096	30	6	2,214	12	44	6,224
205															
206	Operating expenses		27,021		13,734	69	905	6,553	4,600	207	40	221	80	298	315
207	Uncollectibles- Delivery		3,341	Write-Offs-Del	3,128	6	59	93	28	10	1	6	3	7	0
208	Depreciation expense		35,340		20,936	73	1,303	8,121	4,458	0	0	105	0	0	345
209	General taxes / Other		26,464		15,186	53	945	6,304	3,636	0	0	90	0	0	250
210	Subtotal- Operating Costs to rec		92,166		52,984	201	3,212	21,070	12,722	217	41	422	83	305	910
211															
212	Target Return on Rate Base- Aft		41,293		23,776	83	1,480	9,793	5,622	2	0	140	1	3	393
213	Income taxes to recover		3,122		1,798	6	112	740	425	0	0	11	0	0	30
214				7.56%											
215	Subtotal- Rev Req before GRT		136,580		78,558	290	4,804	31,603	18,769	219	41	572	84	308	1,333
216	GRT needed		0	0.00%	0	0	0	0	0	0	0	0	0	0	0
217	TOTAL REVENUE REQ.		136,580		78,558	290	4,804	31,603	18,769	219	41	572	84	308	1,333

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Schedule 7D
Corrections and Updates
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Electric Rate Design Panel

Exhibit __ (E-RDP-3CU)

Allocated (Embedded) Class Cost of Service Study

Schedule 7E

Class Allocation-Secondary Customer

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Secondary Customer

Line	Account	No.	Balance	Allocator	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	I. ELECTRIC PLANT IN SERVICE														
2	INTANGIBLE PLANT														
3	Organization	302	2,729	SecC-DiPt	1,913	7	200	104	8	1	0	0	0	0	496
4	Intangible Plant		2,729		1,913	7	200	104	8	1	0	0	0	0	496
5															
6	C. TRANSMISSION PLANT														
7	Transmission Plant	361	-	None	-	-	-	-	-	-	-	-	-	-	-
8	Transmission Plant	350-359	-		-	-	-	-	-	-	-	-	-	-	-
9															
10	D. DISTRIBUTION PLANT														
11	Land and land rights	360	-	None	-	-	-	-	-	-	-	-	-	-	-
12	Structures and impr.	361	-	None	-	-	-	-	-	-	-	-	-	-	-
13	Station equipment	362	-	None	-	-	-	-	-	-	-	-	-	-	-
14	Poles, towers and fixtures	364	502,067	Cust-Sec	449,451	1,565	35,244	14,690	1,106	-	-	10	-	-	-
15	OH conductors, devices	365	34,170	Cust-Sec	30,589	107	2,399	1,000	75	-	-	1	-	-	-
16	UG conduits	366	14,753	Cust-Sec	13,207	46	1,036	432	32	-	-	0	-	-	-
17	UG conductors, devices	367	2,870	Cust-Sec	2,570	9	202	84	6	-	-	0	-	-	-
18	Line transformers	368	-	Xfmr_Cost	-	-	-	-	-	-	-	-	-	-	-
19	Services	369	559,898	Services_Cost	457,712	1,594	61,084	35,961	2,707	538	129	50	51	72	-
20	Meters	370	-	None	-	-	-	-	-	-	-	-	-	-	-
21	Installs customer premises	371	14,643	Cust-Sec	13,108	46	1,028	428	32	-	-	0	-	-	-
22	Street lighting, signals	373	250,701	Lighting	-	-	-	-	-	-	-	-	-	-	250,701
23	346/363 -Solar / Battery Storage	374	-	None	-	-	-	-	-	-	-	-	-	-	-
24	Distribution Plant	360-373	1,379,102		966,637	3,366	100,992	52,596	3,960	538	129	61	51	72	250,701
25															
26	E. GENERAL PLANT														
27	General Plant	389	36,722	SecC-Lab	25,029	87	2,123	952	72	3	1	1	0	0	8,454
28	Common Plant	391	27,560	SecC-Lab	18,784	65	1,594	714	54	3	1	1	0	0	6,344
29	General Plant	389-399	64,282		43,812	153	3,717	1,667	125	6	1	1	1	1	14,798
30															
31	TOTAL UTILITY PLANT		1,446,113		1,012,362	3,525	104,909	54,366	4,093	545	131	63	52	73	265,995
32															

Exhibit_____ (E-RDP-3CU)
Schedule 7E
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Secondary Customer

Line	Account	No.	Balance	Allocator	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
33	II. DEPRECIATION RESERVE														
34	Franchises and consents	108.3	824	SecC-DiPt	577	2	60	31	2	0	0	0	0	0	150
35	Transmission Plant	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
36	Land Rts, Subst, Struct	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
37	PTF / OH / UG	108.5	190,472	Cust-Sec	170,511	594	13,371	5,573	420	-	-	4	-	-	-
38	Line Transformers	108.5	-	Xfmr_Cost	-	-	-	-	-	-	-	-	-	-	-
39	Services	108.5	293,556	Services_Cost	239,979	836	32,027	18,855	1,420	282	68	26	27	38	-
40	Meters	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
41	Lighting	108.5	87,284	Lighting	-	-	-	-	-	-	-	-	-	-	87,284
42	Customer premises	108.5	8,635	Cust-Sec	7,730	27	606	253	19	-	-	0	-	-	-
43	General Plant	108.6	30,128	SecC-Lab	20,535	71	1,742	781	59	3	1	1	0	0	6,936
44	Depreciation Reserve	108	610,899		439,332	1,530	47,806	25,493	1,919	285	68	31	27	38	94,369
45															
46	III. OTHER RATE BASE ITEMS														
47	Other Reg Assets		-	Cust-Sec	-	-	-	-	-	-	-	-	-	-	-
48	Materials and Supplies		4,340	SecC-OpExp	3,120	12	258	151	41	12	2	6	4	16	718
49	Prepayments		(2,673)	SecC-OpExp	(1,922)	(7)	(159)	(93)	(25)	(7)	(1)	(4)	(3)	(10)	(442)
50	Other Net Plant		-	SecC-RB	-	-	-	-	-	-	-	-	-	-	-
51	Cash Working Capital		11,872	SecC-OpExp	8,535	33	706	413	112	32	6	16	12	45	1,963
52	Cash Working Cap- Comm		-	None	-	-	-	-	-	-	-	-	-	-	-
53	Accumulated Deferred FIT		(210,028)	SecC-PT	(147,032)	(512)	(15,237)	(7,896)	(594)	(79)	(19)	(9)	(7)	(11)	(38,632)
54	Non Interest Bearing CWIP		9,691	SecC-PT	6,784	24	703	364	27	4	1	0	0	0	1,783
55	EBCap Adjustment		(15,403)	SecC-RB	(10,512)	(37)	(1,030)	(518)	(41)	(5)	(1)	(1)	(1)	(2)	(3,255)
56	Other Rate Base	131-283	(202,201)		(141,026)	(487)	(14,759)	(7,579)	(481)	(44)	(12)	8	6	39	(37,866)
57															
58	TOTAL RATE BASE		633,013		432,004	1,508	42,344	21,295	1,693	216	50	40	30	74	133,760
59															

Exhibit_____ (E-RDP-3CU)
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Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Secondary Customer

Line	Account	No.	Balance	Allocator	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
60	I. OPERATING AND MAINTENANCE EXPENSES														
61	B. TRANSMISSION EXPENSE														
62	Transmission Expense		-	None	-	-	-	-	-	-	-	-	-	-	-
63	Transmission Expense		-		-	-	-	-	-	-	-	-	-	-	-
64															
65	C. DISTRIBUTION EXPENSE														
66	Purchased Power	555	-	None	-	-	-	-	-	-	-	-	-	-	-
67	Transmission O&M	580	-	None	-	-	-	-	-	-	-	-	-	-	-
68	Oper-Supervision & Eng	580	1,795	SecC-Lab	1,224	4	104	47	4	0	0	0	0	0	413
69	Oper-Load Dispatching	581	-	None	-	-	-	-	-	-	-	-	-	-	-
70	Oper-Substations	582	-	None	-	-	-	-	-	-	-	-	-	-	-
71	Oper-Overhead Lines	583	3,438	Cust-Sec	3,077	11	241	101	8	-	-	0	-	-	-
72	Oper-Underground Lines	584	142	Cust-Sec	127	0	10	4	0	-	-	0	-	-	-
73	Oper-Outdoor Lighting	585	1,164	Lighting	-	-	-	-	-	-	-	-	-	-	1,164
74	Oper-Electric Meters	586	-	None	-	-	-	-	-	-	-	-	-	-	-
75	Oper-Customer Install.	587	-	None	-	-	-	-	-	-	-	-	-	-	-
76	Oper-Misc Expenses	588	7,961	SecC-DiPT	5,580	19	583	304	23	3	1	0	0	0	1,447
77	Oper-Rents	589	70	SecC-Lab	48	0	4	2	0	0	0	0	0	0	16
78	Maint-Supervision & Eng	590	420	SecC-Lab	287	1	24	11	1	0	0	0	0	0	97
79	Maint-Structures	591	-	None	-	-	-	-	-	-	-	-	-	-	-
80	Maint-Substations	592	-	None	-	-	-	-	-	-	-	-	-	-	-
81	Maint-Overhead Lines	593	34,516	Cust-Sec	30,899	108	2,423	1,010	76	-	-	1	-	-	-
82	Maint-Underground Lines	594	186	Cust-Sec	166	1	13	5	0	-	-	0	-	-	-
83	Maint-Line Transformers	595	-	None	-	-	-	-	-	-	-	-	-	-	-
84	Maint-Outdoor Lighting	596	5,302	Lighting	-	-	-	-	-	-	-	-	-	-	5,302
85	Maint-Electric Meters	597	-	None	-	-	-	-	-	-	-	-	-	-	-
86	Maint-Misc Distr Plant	599	763	SecC-DiPT	534	2	56	29	2	0	0	0	0	0	139
87	Oper. & Maint. Exp.	500-599	55,757		41,942	146	3,458	1,512	114	4	1	1	0	0	8,578
88			55,757		41,942	146	3,458	1,512	114	4	1	1	0	0	8,578
89	D. CUSTOMER ACCOUNTS AND SERVICE														
90	Supervision	901	-	Cust-Sec	-	-	-	-	-	-	-	-	-	-	-
91	Supervision- Collections	901Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
92	Supervision- Competitive	901Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
93	Meter Reading Exp- Comp	902Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
94	Cust Recs & Coll	903	-	None	-	-	-	-	-	-	-	-	-	-	-
95	Cust Recs & Coll- Coll	903Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
96	Cust Recs & Coll- Comp	903Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
97	Uncollectible- Delivery	904	3,656	Write-Offs-Del	3,424	6	64	101	31	11	1	6	3	8	-
98	Uncollectible- Comm	904Comm	-	None	-	-	-	-	-	-	-	-	-	-	-
99	Misc Cust Acct	905	-	None	-	-	-	-	-	-	-	-	-	-	-
100	Misc Cust Acct Coll	905Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
101	Misc Cust Acct- Comp	905Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
102	Customer Accts. Exp.	901-905	3,656		3,424	6	64	101	31	11	1	6	3	8	-
103															
104	Supervision	907	-	None	-	-	-	-	-	-	-	-	-	-	-

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Secondary Customer

Line	Account	No.	Balance	Allocator	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
105	Customer Assist	908	-	None	-	-	-	-	-	-	-	-	-	-	-
106	Low Inc Disc	908LI	-	None	-	-	-	-	-	-	-	-	-	-	-
107	SBC	08EDAd	-	None	-	-	-	-	-	-	-	-	-	-	-
107	Econ Dev	908Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
108	ETIP/DSM	908EE	-	None	-	-	-	-	-	-	-	-	-	-	-
109	Customer Assistance	910	-	None	-	-	-	-	-	-	-	-	-	-	-
110	Customer Serv. Exp.		-		-	-	-	-	-	-	-	-	-	-	-
111	Customer Accts. & Serv. Exp.	901-919	3,656		3,424	6	64	101	31	11	1	6	3	8	-
112															

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Secondary Customer

Line	Account	No.	Balance	Allocator	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
113	E. ADMINISTRATIVE AND GENERAL														
114	A&G-Salaries	920	7,757	SecC-Lab	5,287	18	449	201	15	1	0	0	0	0	1,786
115	A&G-Salaries COMP	920Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
116	Major accounts	920Maj	-	None	-	-	-	-	-	-	-	-	-	-	-
117	A&G-Office Supp	921	4,478	SecC-Lab	3,052	11	259	116	9	0	0	0	0	0	1,031
118	A&G-Office Supp COLL	921Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
119	A&G-Office Supp COMP	921Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
120	A&G-Outside Servi	923	6,931	SecC-Lab	4,724	16	401	180	14	1	0	0	0	0	1,595
121	A&G-Programs	923Prog	-	SecC-Lab	-	-	-	-	-	-	-	-	-	-	-
122	A&G-Business	923Bus	-	SecC-Lab	-	-	-	-	-	-	-	-	-	-	-
123	A&G-Outside Serv COLL	923Coll	-	SecC-Lab	-	-	-	-	-	-	-	-	-	-	-
124	A&G-Outside Serv COMP	923Comp	-	SecC-Lab	-	-	-	-	-	-	-	-	-	-	-
125	Property Insurance	924	497	SecC-PT	348	1	36	19	1	0	0	0	0	0	91
126	Injuries & Damages Insur	925	1,216	SecC-Lab	829	3	70	32	2	0	0	0	0	0	280
127	Empl Pensions & Bene	926	6,065	SecC-Lab	4,134	14	351	157	12	1	0	0	0	0	1,396
128	Regulatory Comm Expenses	928	-	RateBase	-	-	-	-	-	-	-	-	-	-	-
129	A&G-Insti GW Adv	930110	59	SecC-RB	40	0	4	2	0	0	0	0	0	0	12
130	A&G-Misc Expenses	930200	-	RateBase	-	-	-	-	-	-	-	-	-	-	-
131	A&G-R&D	930210	-	SecC-PT	-	-	-	-	-	-	-	-	-	-	-
132	A&G-Rents	931	7,765	Account931	4,733	41	353	934	688	238	46	119	92	343	180
133	A&G Maint-Gen Plant-Elec	935	266	SecC-Lab	181	1	15	7	1	0	0	0	0	0	61
134	Admin & Genl. Exp.	920-932	35,034		23,327	106	1,937	1,647	742	241	46	119	92	343	6,433
135	Total Operating Expenses		94,447		68,693	258	5,460	3,261	887	255	48	127	96	352	15,011
136															
137	II. DEPRECIATION EXPENSE														
138	Deprec exp- Tran	403Tx	-	None	-	-	-	-	-	-	-	-	-	-	-
139	Deprec exp- Struct/Station	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
140	Deprec exp- PTF/OH/UG	403Dx	11,189	Cust-Sec	10,016	35	785	327	25	-	-	0	-	-	-
141	Deprec exp- Xfrmrs	403Dx	-	Xfmr_Cost	-	-	-	-	-	-	-	-	-	-	-
142	Deprec exp- Services	403Dx	11,311	Services_Cost	9,247	32	1,234	726	55	11	3	1	1	1	-
143	Deprec exp- Meters	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
144	Deprec exp- SL	403Dx	9,893	Lighting	-	-	-	-	-	-	-	-	-	-	9,893
145	Deprec exp- Genl	403Gx	2,051	SecC-Lab	1,398	5	119	53	4	0	0	0	0	0	472
146	Amort Other Reg Assets	407300	-	None	-	-	-	-	-	-	-	-	-	-	-
147	Depreciation Expense	403	34,444		20,661	72	2,138	1,107	83	11	3	1	1	1	10,365
148															

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Secondary Customer

Line	Account	No.	Balance	Allocator	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
149	III. TAXES and OTHER														
150	A. GENERAL TAXES														
151	Municipal property tax	408140	16,803	SecC-PT-Tax	10,355	36	812	338	25	-	-	0	-	-	5,236
152	Payroll related	408110	2,253	SecC-Lab	1,536	5	130	58	4	0	0	0	0	0	519
153	Other tax	408170	29	SecC-PT	20	0	2	1	0	0	0	0	0	0	5
154	General Taxes		19,084		11,910	41	944	398	30	0	0	0	0	0	5,760
155															
156	B. FEDERAL / STATE INCOME TAXES														
157	Federal Income Tax Exp		(143)	SecC-Pretax	39	(14)	28	(247)	(235)	(79)	(11)	(41)	(24)	(79)	522
158	State Income Tax Exp		244	SecC-Pretax	(67)	24	(48)	424	402	135	19	71	42	136	(894)
159	Income Taxes	409-411	102		(28)	10	(20)	176	167	56	8	29	17	57	(372)
160	Total Taxes	408-411	19,186		11,882	51	924	574	197	57	8	30	17	57	5,388
161	Revenue taxes		-	None	-	-	-	-	-	-	-	-	-	-	-
162	TOTAL EXPENSES		148,077		101,237	381	8,522	4,942	1,167	323	59	158	114	410	30,764
163															
164	IV. OPERATING REVENUES at Present Rates														
165	Distribution revenue		144,625	Tot_DistRev	90,604	1,073	6,535	17,339	12,199	4,174	641	2,268	1,366	4,468	3,957
166	Revenue taxes		-	None	-	-	-	-	-	-	-	-	-	-	-
167	Commodity revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
168	CEF ETIP revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
169	Wholesale transmission		-	None	-	-	-	-	-	-	-	-	-	-	-
170	Late Payments charges		2,512	Write-Offs-Del	2,352	4	44	70	21	7	1	4	2	6	-
171	Pole attachments		6,722	Cust-Sec	6,017	21	472	197	15	-	-	0	-	-	-
172	DLM / Load Control		372	SecC-Lab	253	1	21	10	1	0	0	0	0	0	86
173	Large Customer Discounts		-	None	-	-	-	-	-	-	-	-	-	-	-
174	CSS Restablishment		-	None	-	-	-	-	-	-	-	-	-	-	-
175	Special L Revenue		1,154	Customers-SC3	-	-	-	-	963	191	-	-	-	-	-
174	Merchant Function Charge		-	None	-	-	-	-	-	-	-	-	-	-	-
176	Other Revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
177	Billing credit		-	None	-	-	-	-	-	-	-	-	-	-	-
178	Operating Revenues		155,384		99,227	1,099	7,073	17,615	13,199	4,373	642	2,272	1,368	4,473	4,043
179															
180	TOTAL EXPENSES		148,077		101,237	381	8,522	4,942	1,167	323	59	158	114	410	30,764
181	V. NET INCOME at Present Rat		7,307		(2,010)	718	(1,449)	12,673	12,031	4,050	583	2,114	1,254	4,063	(26,721)
182															

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Secondary Customer

Line	Account	No.	Balance	Allocator	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
183	SUMMARY REPORT														
184	Utility Revenues	440-446	144,625		90,604	1,073	6,535	17,339	12,199	4,174	641	2,268	1,366	4,468	3,957
185	Other Operating Revenues	450-456	10,759		8,623	26	537	276	1,000	199	1	5	2	6	86
186	Total Operating Revenues		155,384		99,227	1,099	7,073	17,615	13,199	4,373	642	2,272	1,368	4,473	4,043
187															
188	Distribution / Transmission	580-599	55,757		41,942	146	3,458	1,512	114	4	1	1	0	0	8,578
189	Customer Acctg & Service	901-919	3,656		3,424	6	64	101	31	11	1	6	3	8	0
190	Admin & General	920-932	35,034		23,327	106	1,937	1,647	742	241	46	119	92	343	6,433
191	Total Operating Expenses		94,447		68,693	258	5,460	3,261	887	255	48	127	96	352	15,011
192															
193	Depreciation Expense	403	34,444		20,661	72	2,138	1,107	83	11	3	1	1	1	10,365
194	Taxes Other Than Income Tax /	408	19,084		11,910	41	944	398	30	0	0	0	0	0	5,760
195	Income before Income tax		7,409		(2,038)	728	(1,470)	12,850	12,199	4,107	591	2,144	1,271	4,120	(27,093)
196	Income Taxes	409-411	102		(28)	10	(20)	176	167	56	8	29	17	57	(372)
197	NET INCOME		7,307		(2,010)	718	(1,449)	12,673	12,031	4,050	583	2,114	1,254	4,063	(26,721)
198															
199	RATE BASE		633,013		432,004	1,508	42,344	21,295	1,693	216	50	40	30	74	133,760
200	Return on Rate Base		1.15%												
201															
202	REVENUE REQUIREMENTS														
203	Target Rate of Return		6.3100%		6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%
204	Rate Base		633,013		432,004	1,508	42,344	21,295	1,693	216	50	40	30	74	133,760
205															
206	Operating expenses		90,790		65,270	252	5,396	3,159	856	244	47	121	92	344	15,011
207	Uncollectibles- Delivery		4,540	Write-Offs-Del	4,251	8	80	126	38	13	1	8	4	10	0
208	Depreciation expense		34,444		20,661	72	2,138	1,107	83	11	3	1	1	1	10,365
209	General taxes / Other		19,084		11,910	41	944	398	30	0	0	0	0	0	5,760
210	Subtotal- Operating Costs to rec		148,858		102,092	373	8,558	4,790	1,007	269	51	130	98	355	31,136
211															
212	Target Return on Rate Base- Aft		39,943		27,259	95	2,672	1,344	107	14	3	3	2	5	8,440
213	Income taxes to recover		3,020		2,061	7	202	102	8	1	0	0	0	0	638
214				7.56%											
215	Subtotal- Rev Req before GRT		191,821		131,412	475	11,432	6,235	1,122	284	55	133	100	360	40,214
216	GRT needed		0	0.00%	0	0	0	0	0	0	0	0	0	0	0
217	TOTAL REVENUE REQ.		191,821		131,412	475	11,432	6,235	1,122	284	55	133	100	360	40,214

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Electric Rate Design Panel

Exhibit __ (E-RDP-3CU)

Allocated (Embedded) Class Cost of Service Study

Schedule 7F

Class Allocation-Billing Customer

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Billing Customer

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1	I. ELECTRIC PLANT IN SERVICE														
2	INTANGIBLE PLANT														
3	Organization	302	389	Bill-DiPt	250	2	22	89	8	4	7	0	3	4	-
4	Intangible Plant		389		250	2	22	89	8	4	7	0	3	4	-
5															
6	C. TRANSMISSION PLANT														
7	Transmission Plant	361	-	None	-	-	-	-	-	-	-	-	-	-	-
8	Transmission Plant	350-359	-		-	-	-	-	-	-	-	-	-	-	-
9															
10	D. DISTRIBUTION PLANT														
11	Land and land rights	360	-	None	-	-	-	-	-	-	-	-	-	-	-
12	Structures and impr.	361	-	None	-	-	-	-	-	-	-	-	-	-	-
13	Station equipment	362	-	None	-	-	-	-	-	-	-	-	-	-	-
14	Poles, towers and fixtures	364	-	None	-	-	-	-	-	-	-	-	-	-	-
15	OH conductors, devices	365	-	None	-	-	-	-	-	-	-	-	-	-	-
16	UG conduits	366	-	None	-	-	-	-	-	-	-	-	-	-	-
17	UG conductors, devices	367	-	None	-	-	-	-	-	-	-	-	-	-	-
18	Line transformers	368	-	None	-	-	-	-	-	-	-	-	-	-	-
19	Services	369	-	None	-	-	-	-	-	-	-	-	-	-	-
20	Meters	370	196,422	Meters-Cost	126,272	913	11,199	44,741	4,121	1,824	3,704	122	1,461	2,065	-
21	Installs customer premises	371	-	None	-	-	-	-	-	-	-	-	-	-	-
22	Street lighting, signals	373	-	None	-	-	-	-	-	-	-	-	-	-	-
23	346/363 -Solar / Battery Storage	374	-	None	-	-	-	-	-	-	-	-	-	-	-
24	Distribution Plant	360-373	196,422		126,272	913	11,199	44,741	4,121	1,824	3,704	122	1,461	2,065	-
25															
26	E. GENERAL PLANT														
27	General Plant	389	91,776	Bill-Lab	56,463	596	4,335	14,799	8,612	3,864	533	1,901	216	327	130
28	Common Plant	391	68,877	Bill-Lab	42,375	447	3,254	11,107	6,464	2,900	400	1,427	162	245	98
29	General Plant	389-399	160,653		98,838	1,043	7,589	25,905	15,076	6,765	932	3,328	378	572	228
30															
31	TOTAL UTILITY PLANT		357,463		225,360	1,958	18,810	70,735	19,205	8,592	4,644	3,450	1,841	2,641	228
32															

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33	II. DEPRECIATION RESERVE														
34	Franchises and consents	108.3	117	Bill-DiPt	75	1	7	27	2	1	2	0	1	1	-
35	Transmission Plant	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
36	Land Rts, Subst, Struct	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
37	PTF / OH / UG	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
38	Line Transformers	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
39	Services	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
40	Meters	108.5	39,365	Meters-Cost	25,306	183	2,244	8,966	826	366	742	24	293	414	-
41	Lighting	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
42	Customer premises	108.5	-	Bill-DiPt	-	-	-	-	-	-	-	-	-	-	-
43	General Plant	108.6	75,297	Bill-Lab	46,325	489	3,557	12,142	7,066	3,171	437	1,560	177	268	107
44	Depreciation Reserve	108	114,779		71,706	672	5,808	21,135	7,894	3,537	1,182	1,584	471	683	107
45															
46	III. OTHER RATE BASE ITEMS														
47	Other Reg Assets		-	None	-	-	-	-	-	-	-	-	-	-	-
48	Materials and Supplies		9,903	Bill-OpExp	6,391	63	460	1,375	800	340	57	165	47	147	58
49	Prepayments		(6,099)	Bill-OpExp	(3,936)	(39)	(283)	(847)	(493)	(210)	(35)	(102)	(29)	(90)	(36)
50	Other Net Plant		-	None	-	-	-	-	-	-	-	-	-	-	-
51	Cash Working Capital		27,091	Bill-OpExp	17,482	172	1,258	3,762	2,188	931	155	452	128	402	160
52	Cash Working Cap- Comm		-	None	-	-	-	-	-	-	-	-	-	-	-
53	Accumulated Deferred FIT		(51,917)	Bill-PT	(32,730)	(284)	(2,732)	(10,273)	(2,789)	(1,248)	(674)	(501)	(267)	(384)	(33)
54	Non Interest Bearing CWIP		2,396	Bill-PT	1,510	13	126	474	129	58	31	23	12	18	2
55	EBCap Adjustment		(4,900)	Bill-RB	(3,114)	(26)	(259)	(964)	(244)	(108)	(66)	(42)	(28)	(45)	(6)
56	Other Rate Base	131-283	(23,527)		(14,397)	(102)	(1,430)	(6,473)	(409)	(236)	(532)	(4)	(137)	48	145
57															
58	TOTAL RATE BASE		219,157		139,257	1,183	11,572	43,127	10,901	4,819	2,930	1,862	1,234	2,006	266
59															

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60	I. OPERATING AND MAINTENANCE EXPENSES														
61	B. TRANSMISSION EXPENSE														
62	Transmission Expense		-	None	-	-	-	-	-	-	-	-	-	-	-
63	Transmission Expense		-		-	-	-	-	-	-	-	-	-	-	-
64															
65	C. DISTRIBUTION EXPENSE														
66	Purchased Power	555	-	None	-	-	-	-	-	-	-	-	-	-	-
67	Transmission O&M	580	-	None	-	-	-	-	-	-	-	-	-	-	-
68	Oper-Supervision & Eng	580	1,876	Bill-Lab	1,154	12	89	302	176	79	11	39	4	7	3
69	Oper-Load Dispatching	581	-	None	-	-	-	-	-	-	-	-	-	-	-
70	Oper-Substations	582	-	None	-	-	-	-	-	-	-	-	-	-	-
71	Oper-Overhead Lines	583	-	None	-	-	-	-	-	-	-	-	-	-	-
72	Oper-Underground Lines	584	-	None	-	-	-	-	-	-	-	-	-	-	-
73	Oper-Outdoor Lighting	585	-	None	-	-	-	-	-	-	-	-	-	-	-
74	Oper-Electric Meters	586	12,097	Meters-Cost	7,777	56	690	2,755	254	112	228	8	90	127	-
75	Oper-Customer Install.	587	6,696	Meters-Cost	4,305	31	382	1,525	140	62	126	4	50	70	-
76	Oper-Misc Expenses	588	1,117	Bill-Lab	687	7	53	180	105	47	6	23	3	4	2
77	Oper-Rents	589	73	Bill-Lab	45	0	3	12	7	3	0	2	0	0	0
78	Maint-Supervision & Eng	590	439	Bill-Lab	270	3	21	71	41	18	3	9	1	2	1
79	Maint-Structures	591	-	None	-	-	-	-	-	-	-	-	-	-	-
80	Maint-Substations	592	-	None	-	-	-	-	-	-	-	-	-	-	-
81	Maint-Overhead Lines	593	-	None	-	-	-	-	-	-	-	-	-	-	-
82	Maint-Underground Lines	594	-	None	-	-	-	-	-	-	-	-	-	-	-
83	Maint-Line Transformers	595	-	None	-	-	-	-	-	-	-	-	-	-	-
84	Maint-Outdoor Lighting	596	-	None	-	-	-	-	-	-	-	-	-	-	-
85	Maint-Electric Meters	597	695	Meters-Cost	447	3	40	158	15	6	13	0	5	7	-
86	Maint-Misc Distr Plant	599	107	Bill-Lab	66	1	5	17	10	5	1	2	0	0	0
87	Oper. & Maint. Exp.	500-599	23,101		14,751	114	1,282	5,021	748	333	388	87	153	218	5
88			23,101		14,751	114	1,282	5,021	748	333	388	87	153	218	5
89	D. CUSTOMER ACCOUNTS AND SERVICE														
90	Supervision	901	685	Bill-Cust-Lab	601	5	30	35	5	2	2	0	1	2	3
91	Supervision- Collections	901Coll	64	Bill-Cust-Lab	56	0	3	3	0	0	0	0	0	0	0
92	Supervision- Competitive	901Comp	856	Bill-Cust-Lab	751	6	37	43	6	2	3	0	1	3	3
93	Meter Reading Exp- Comp	902Comp	2,316	Meters-Cost	1,489	11	132	528	49	22	44	1	17	24	-
94	Cust Recs & Coll	903	10,591	Acct903	9,708	75	441	227	47	14	3	6	4	18	48
95	Cust Recs & Coll- Coll	903Coll	2,081	Acct903	1,907	15	87	45	9	3	1	1	1	3	9
96	Cust Recs & Coll- Comp	903Comp	8,805	Acct903	8,070	62	367	189	39	12	3	5	4	15	40
97	Uncollectible- Delivery	904	1,266	Write-Offs-Del	1,185	2	22	35	11	4	0	2	1	3	-
98	Uncollectible- Comm	904Comm	-	None	-	-	-	-	-	-	-	-	-	-	-
99	Misc Cust Acct	905	646	Acct903	592	5	27	14	3	1	0	0	0	1	3
100	Misc Cust Acct Coll	905Coll	228	Acct903	209	2	10	5	1	0	0	0	0	0	1
101	Misc Cust Acct- Comp	905Comp	3,157	Acct903	2,893	22	131	68	14	4	1	2	1	5	14
102	Customer Accts. Exp.	901-905	30,694		27,463	204	1,286	1,192	182	63	56	19	31	75	123
103															
104	Supervision	907	44	Acct908	17	0	2	9	9	4	0	2	0	0	-

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105	Customer Assist	908	25,425	Acct908	10,006	206	997	5,253	5,311	2,396	0	1,254	0	0	-
106	Low Inc Disc	908LI	23,484	Total_RevReq	14,230	162	915	2,855	2,021	738	179	343	317	1,290	434
107	SBC	08EDAd	-	None	-	-	-	-	-	-	-	-	-	-	-
107	Econ Dev	908Comp	11,000	Total_RevReq	6,665	76	429	1,337	946	346	84	161	149	604	203
108	ETIP/DSM	908EE	-	None	-	-	-	-	-	-	-	-	-	-	-
109	Customer Assistance	910	15,411	Customers	13,698	48	1,074	448	34	7	2	1	1	1	99
110	Customer Serv. Exp.		75,364		44,616	492	3,417	9,903	8,321	3,491	265	1,761	466	1,896	736
111	Customer Accts. & Serv. Exp.	901-919	106,058		72,079	696	4,703	11,094	8,503	3,554	321	1,780	497	1,970	859
112															

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113	E. ADMINISTRATIVE AND GENERAL														
114	A&G-Salaries	920	19,386	Bill-Lab	11,927	126	916	3,126	1,819	816	113	402	46	69	27
115	A&G-Salaries COMP	920Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
116	Major accounts	920Maj	346	Customers-CI	-	-	-	315	24	5	1	0	0	1	-
117	A&G-Office Supp	921	11,192	Bill-Lab	6,885	73	529	1,805	1,050	471	65	232	26	40	16
118	A&G-Office Supp COLL	921Coll	7	Bill-Lab	5	0	0	1	1	0	0	0	0	0	0
119	A&G-Office Supp COMP	921Comp	-	Bill-Lab	-	-	-	-	-	-	-	-	-	-	-
120	A&G-Outside Servi	923	17,321	Bill-Lab	10,656	112	818	2,793	1,625	729	101	359	41	62	25
121	A&G-Programs	923Prog	-	None	-	-	-	-	-	-	-	-	-	-	-
122	A&G-Business	923Bus	-	RateBase	-	-	-	-	-	-	-	-	-	-	-
123	A&G-Outside Serv COLL	923Coll	16	Bill-Lab	10	0	1	3	2	1	0	0	0	0	0
124	A&G-Outside Serv COMP	923Comp	351	Bill-Lab	216	2	17	57	33	15	2	7	1	1	0
125	Property Insurance	924	123	Bill-PT	77	1	6	24	7	3	2	1	1	1	0
126	Injuries & Damages Insur	925	3,040	Bill-Lab	1,870	20	144	490	285	128	18	63	7	11	4
127	Empl Pensions & Bene	926	15,157	Bill-Lab	9,325	98	716	2,444	1,422	638	88	314	36	54	21
128	Regulatory Comm Expenses	928	9,731	RateBase	5,483	57	394	1,289	990	345	73	172	149	563	217
129	A&G-Insti GW Adv	930110	20	Bill-RB	13	0	1	4	1	0	0	0	0	0	0
130	A&G-Misc Expenses	930200	-	RateBase	-	-	-	-	-	-	-	-	-	-	-
131	A&G-R&D	930210	-	None	-	-	-	-	-	-	-	-	-	-	-
132	A&G-Rents	931	1,919	Account931	1,170	10	87	231	170	59	11	29	23	85	44
133	A&G Maint-Gen Plant-Elec	935	664	Bill-Lab	409	4	31	107	62	28	4	14	2	2	1
134	Admin & Genl. Exp.	920-932	79,274		48,046	503	3,660	12,689	7,491	3,239	477	1,594	330	888	357
135	Total Operating Expenses		208,433		134,876	1,314	9,644	28,805	16,743	7,126	1,187	3,461	981	3,076	1,220
136															
137	II. DEPRECIATION EXPENSE														
138	Deprec exp- Tran	403Tx	-	None	-	-	-	-	-	-	-	-	-	-	-
139	Deprec exp- Struct/Station	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
140	Deprec exp- PTF/OH/UG	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
141	Deprec exp- Xfrmrs	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
142	Deprec exp- Services	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
143	Deprec exp- Meters	403Dx	28,258	Meters-Cost	18,166	131	1,611	6,437	593	262	533	18	210	297	-
144	Deprec exp- SL	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
145	Deprec exp- Genl	403Gx	5,127	Bill-Lab	3,154	33	242	827	481	216	30	106	12	18	7
146	Amort Other Reg Assets	407300	-	None	-	-	-	-	-	-	-	-	-	-	-
147	Depreciation Expense	403	33,385		21,320	165	1,853	7,263	1,074	478	563	124	222	315	7
148															

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149	III. TAXES and OTHER														
150	A. GENERAL TAXES														
151	Municipal property tax	408140	-	Bill-PT	-	-	-	-	-	-	-	-	-	-	-
152	Payroll related	408110	5,631	Bill-Lab	3,464	37	266	908	528	237	33	117	13	20	8
153	Other tax	408170	7	Bill-PT	4	0	0	1	0	0	0	0	0	0	0
154	General Taxes		5,638		3,469	37	266	909	529	237	33	117	13	20	8
155															
156	B. FEDERAL / STATE INCOME TAXES														
157	Federal Income Tax Exp		(202)	Bill-Pretax	(37)	(7)	7	120	(62)	7	10	(5)	(26)	(106)	(103)
158	State Income Tax Exp		346	Bill-Pretax	63	12	(11)	(206)	107	(12)	(17)	8	45	181	176
159	Income Taxes	409-411	144		26	5	(5)	(86)	44	(5)	(7)	3	19	75	73
160	Total Taxes	408-411	5,782		3,495	42	262	824	573	232	26	120	32	96	81
161	Revenue taxes		-	None	-	-	-	-	-	-	-	-	-	-	-
162	TOTAL EXPENSES		247,599		159,691	1,520	11,759	36,892	18,390	7,837	1,775	3,704	1,235	3,487	1,309
163															
164	IV. OPERATING REVENUES at Present Rates														
165	Distribution revenue		209,450	Tot_DistRev	131,216	1,554	9,464	25,111	17,667	6,046	929	3,284	1,978	6,470	5,731
166	Revenue taxes		-	None	-	-	-	-	-	-	-	-	-	-	-
167	Commodity revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
168	CEF ETIP revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
169	Wholesale transmission		-	None	-	-	-	-	-	-	-	-	-	-	-
170	Late Payments charges		742	Write-Offs-Del	695	1	13	21	6	2	0	1	1	2	-
171	Pole attachments		-	None	-	-	-	-	-	-	-	-	-	-	-
172	DLM / Load Control		929	Bill-Lab	571	6	44	150	87	39	5	19	2	3	1
173	Large Customer Discounts		(2,423)	Total_RevReq	(1,468)	(17)	(94)	(295)	(208)	(76)	(18)	(35)	(33)	(133)	(45)
174	CSS Restablishment		2,542	Customers	2,259	8	177	74	6	1	0	0	0	0	16
175	Special L Revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
174	Merchant Function Charge		-	None	-	-	-	-	-	-	-	-	-	-	-
176	Other Revenue		46,698	Total_RevReq	28,295	322	1,820	5,677	4,018	1,468	356	682	631	2,566	862
177	Billing credit		-	None	-	-	-	-	-	-	-	-	-	-	-
178	Operating Revenues		257,939		161,569	1,874	11,424	30,738	21,576	7,480	1,272	3,952	2,579	8,908	6,566
179															
180	TOTAL EXPENSES		247,599		159,691	1,520	11,759	36,892	18,390	7,837	1,775	3,704	1,235	3,487	1,309
181	V. NET INCOME at Present Rat		10,340		1,879	355	(336)	(6,153)	3,186	(357)	(503)	247	1,343	5,421	5,258
182															

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183	SUMMARY REPORT														
184	Utility Revenues	440-446	209,450		131,216	1,554	9,464	25,111	17,667	6,046	929	3,284	1,978	6,470	5,731
185	Other Operating Revenues	450-456	48,488		30,353	321	1,959	5,627	3,908	1,434	344	667	601	2,438	835
186	Total Operating Revenues		257,939		161,569	1,874	11,424	30,738	21,576	7,480	1,272	3,952	2,579	8,908	6,566
187															
188	Distribution / Transmission	580-599	23,101		14,751	114	1,282	5,021	748	333	388	87	153	218	5
189	Customer Acctg & Service	901-919	106,058		72,079	696	4,703	11,094	8,503	3,554	321	1,780	497	1,970	859
190	Admin & General	920-932	79,274		48,046	503	3,660	12,689	7,491	3,239	477	1,594	330	888	357
191	Total Operating Expenses		208,433		134,876	1,314	9,644	28,805	16,743	7,126	1,187	3,461	981	3,076	1,220
192															
193	Depreciation Expense	403	33,385		21,320	165	1,853	7,263	1,074	478	563	124	222	315	7
194	Taxes Other Than Income Tax /	408	5,638		3,469	37	266	909	529	237	33	117	13	20	8
195	Income before Income tax		10,484		1,905	359	(340)	(6,239)	3,230	(362)	(510)	251	1,362	5,496	5,331
196	Income Taxes	409-411	144		26	5	(5)	(86)	44	(5)	(7)	3	19	75	73
197	NET INCOME		10,340		1,879	355	(336)	(6,153)	3,186	(357)	(503)	247	1,343	5,421	5,258
198															
199	RATE BASE		219,157		139,257	1,183	11,572	43,127	10,901	4,819	2,930	1,862	1,234	2,006	266
200	Return on Rate Base		4.72%												
201															
202	REVENUE REQUIREMENTS														
203	Target Rate of Return		6.3100%		6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%
204	Rate Base		219,157		139,257	1,183	11,572	43,127	10,901	4,819	2,930	1,862	1,234	2,006	266
205															
206	Operating expenses		207,167		133,691	1,311	9,622	28,769	16,732	7,122	1,186	3,458	980	3,073	1,220
207	Uncollectibles- Delivery		1,342	Write-Offs-Del	1,256	2	24	37	11	4	0	2	1	3	0
208	Depreciation expense		33,385		21,320	165	1,853	7,263	1,074	478	563	124	222	315	7
209	General taxes / Other		5,638		3,469	37	266	909	529	237	33	117	13	20	8
210	Subtotal- Operating Costs to rec		247,531		159,736	1,515	11,765	36,979	18,346	7,842	1,782	3,701	1,217	3,412	1,236
211															
212	Target Return on Rate Base- Aft		13,829		8,787	75	730	2,721	688	304	185	117	78	127	17
213	Income taxes to recover		1,045		664	6	55	206	52	23	14	9	6	10	1
214				7.56%											
215	Subtotal- Rev Req before GRT		262,405		169,187	1,595	12,551	39,906	19,086	8,169	1,981	3,828	1,301	3,548	1,254
216	GRT needed		0	0.00%	0	0	0	0	0	0	0	0	0	0	0
217	TOTAL REVENUE REQ.		262,405		169,187	1,595	12,551	39,906	19,086	8,169	1,981	3,828	1,301	3,548	1,254

Exhibit_____ (E-RDP-3CU)
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Corrections and Updates
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Electric Rate Design Panel

Exhibit __ (E-RDP-3CU)

Allocated (Embedded) Class Cost of Service Study

Schedule 7G

Class Allocation-Regulatory

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Regulatory

Line	Account	No.	Balance	Allocator	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	I. ELECTRIC PLANT IN SERVICE														
2	INTANGIBLE PLANT														
3	Organization	302	-	None	-	-	-	-	-	-	-	-	-	-	-
4	Intangible Plant		-		-	-	-	-	-	-	-	-	-	-	-
5															
6	C. TRANSMISSION PLANT														
7	Transmission Plant	361	-	None	-	-	-	-	-	-	-	-	-	-	-
8	Transmission Plant	350-359	-		-	-	-	-	-	-	-	-	-	-	-
9															
10	D. DISTRIBUTION PLANT														
11	Land and land rights	360	-	None	-	-	-	-	-	-	-	-	-	-	-
12	Structures and impr.	361	-	None	-	-	-	-	-	-	-	-	-	-	-
13	Station equipment	362	-	None	-	-	-	-	-	-	-	-	-	-	-
14	Poles, towers and fixtures	364	-	None	-	-	-	-	-	-	-	-	-	-	-
15	OH conductors, devices	365	-	None	-	-	-	-	-	-	-	-	-	-	-
16	UG conduits	366	-	None	-	-	-	-	-	-	-	-	-	-	-
17	UG conductors, devices	367	-	None	-	-	-	-	-	-	-	-	-	-	-
18	Line transformers	368	-	None	-	-	-	-	-	-	-	-	-	-	-
19	Services	369	-	None	-	-	-	-	-	-	-	-	-	-	-
20	Meters	370	-	None	-	-	-	-	-	-	-	-	-	-	-
21	Installs customer premises	371	-	None	-	-	-	-	-	-	-	-	-	-	-
22	Street lighting, signals	373	-	None	-	-	-	-	-	-	-	-	-	-	-
23	346/363 -Solar / Battery Storage	374	-	None	-	-	-	-	-	-	-	-	-	-	-
24	Distribution Plant	360-373	-		-	-	-	-	-	-	-	-	-	-	-
25															
26	E. GENERAL PLANT														
27	General Plant	389	-	None	-	-	-	-	-	-	-	-	-	-	-
28	Common Plant	391	-	None	-	-	-	-	-	-	-	-	-	-	-
29	General Plant	389-399	-		-	-	-	-	-	-	-	-	-	-	-
30															
31	TOTAL UTILITY PLANT		-		-	-	-	-	-	-	-	-	-	-	-
32															

Exhibit_____ (E-RDP-3CU)
Schedule 7G
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Regulatory

Line	Account	No.	Balance	Allocator	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
33	II. DEPRECIATION RESERVE														
34	Franchises and consents	108.3	-	None	-	-	-	-	-	-	-	-	-	-	-
35	Transmission Plant	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
36	Land Rts, Subst, Struct	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
37	PTF / OH / UG	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
38	Line Transformers	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
39	Services	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
40	Meters	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
41	Lighting	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
42	Customer premises	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
43	General Plant	108.6	-	None	-	-	-	-	-	-	-	-	-	-	-
44	Depreciation Reserve	108	-		-	-	-	-	-	-	-	-	-	-	-
45															
46	III. OTHER RATE BASE ITEMS														
47	Other Reg Assets		(142,835)	RateBase	(80,480)	(832)	(5,777)	(18,921)	(14,531)	(5,069)	(1,072)	(2,526)	(2,183)	(8,259)	(3,185)
48	Materials and Supplies		-	None	-	-	-	-	-	-	-	-	-	-	-
49	Prepayments		-	None	-	-	-	-	-	-	-	-	-	-	-
50	Other Net Plant		-	None	-	-	-	-	-	-	-	-	-	-	-
51	Cash Working Capital		-	None	-	-	-	-	-	-	-	-	-	-	-
52	Cash Working Cap- Comm		-	None	-	-	-	-	-	-	-	-	-	-	-
53	Accumulated Deferred FIT		-	None	-	-	-	-	-	-	-	-	-	-	-
54	Non Interest Bearing CWIP		-	None	-	-	-	-	-	-	-	-	-	-	-
55	EBCap Adjustment		-	None	-	-	-	-	-	-	-	-	-	-	-
56	Other Rate Base	131-283	(142,835)		(80,480)	(832)	(5,777)	(18,921)	(14,531)	(5,069)	(1,072)	(2,526)	(2,183)	(8,259)	(3,185)
57															
58	TOTAL RATE BASE		(142,835)		(80,480)	(832)	(5,777)	(18,921)	(14,531)	(5,069)	(1,072)	(2,526)	(2,183)	(8,259)	(3,185)
59															

Exhibit_____ (E-RDP-3CU)
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Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Regulatory

Line	Account	No.	Balance	Allocator	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
60	I. OPERATING AND MAINTENANCE EXPENSES														
61	B. TRANSMISSION EXPENSE														
62	Transmission Expense		-	None	-	-	-	-	-	-	-	-	-	-	-
63	Transmission Expense		-		-	-	-	-	-	-	-	-	-	-	-
64															
65	C. DISTRIBUTION EXPENSE														
66	Purchased Power	555	-	None	-	-	-	-	-	-	-	-	-	-	-
67	Transmission O&M	580	-	None	-	-	-	-	-	-	-	-	-	-	-
68	Oper-Supervision & Eng	580	-	None	-	-	-	-	-	-	-	-	-	-	-
69	Oper-Load Dispatching	581	-	None	-	-	-	-	-	-	-	-	-	-	-
70	Oper-Substations	582	-	None	-	-	-	-	-	-	-	-	-	-	-
71	Oper-Overhead Lines	583	-	None	-	-	-	-	-	-	-	-	-	-	-
72	Oper-Underground Lines	584	-	None	-	-	-	-	-	-	-	-	-	-	-
73	Oper-Outdoor Lighting	585	-	None	-	-	-	-	-	-	-	-	-	-	-
74	Oper-Electric Meters	586	-	None	-	-	-	-	-	-	-	-	-	-	-
75	Oper-Customer Install.	587	-	None	-	-	-	-	-	-	-	-	-	-	-
76	Oper-Misc Expenses	588	-	None	-	-	-	-	-	-	-	-	-	-	-
77	Oper-Rents	589	-	None	-	-	-	-	-	-	-	-	-	-	-
78	Maint-Supervision & Eng	590	-	None	-	-	-	-	-	-	-	-	-	-	-
79	Maint-Structures	591	-	None	-	-	-	-	-	-	-	-	-	-	-
80	Maint-Substations	592	-	None	-	-	-	-	-	-	-	-	-	-	-
81	Maint-Overhead Lines	593	-	None	-	-	-	-	-	-	-	-	-	-	-
82	Maint-Underground Lines	594	-	None	-	-	-	-	-	-	-	-	-	-	-
83	Maint-Line Transformers	595	-	None	-	-	-	-	-	-	-	-	-	-	-
84	Maint-Outdoor Lighting	596	-	None	-	-	-	-	-	-	-	-	-	-	-
85	Maint-Electric Meters	597	-	None	-	-	-	-	-	-	-	-	-	-	-
86	Maint-Misc Distr Plant	599	-	None	-	-	-	-	-	-	-	-	-	-	-
87	Oper. & Maint. Exp.	500-599	-		-	-	-	-	-	-	-	-	-	-	-
88			-		-	-	-	-	-	-	-	-	-	-	-
89	D. CUSTOMER ACCOUNTS AND SERVICE														
90	Supervision	901	-	None	-	-	-	-	-	-	-	-	-	-	-
91	Supervision- Collections	901Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
92	Supervision- Competitive	901Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
93	Meter Reading Exp- Comp	902Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
94	Cust Recs & Coll	903	-	None	-	-	-	-	-	-	-	-	-	-	-
95	Cust Recs & Coll- Coll	903Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
96	Cust Recs & Coll- Comp	903Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
97	Uncollectible- Delivery	904	-	None	-	-	-	-	-	-	-	-	-	-	-
98	Uncollectible- Comm	904Comm	-	None	-	-	-	-	-	-	-	-	-	-	-
99	Misc Cust Acct	905	-	None	-	-	-	-	-	-	-	-	-	-	-
100	Misc Cust Acct Coll	905Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
101	Misc Cust Acct- Comp	905Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
102	Customer Accts. Exp.	901-905	-		-	-	-	-	-	-	-	-	-	-	-
103															
104	Supervision	907	-	None	-	-	-	-	-	-	-	-	-	-	-

Exhibit_____ (E-RDP-3CU)
Schedule 7G
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Regulatory

Line	Account	No.	Balance	Allocator	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
105	Customer Assist	908	-	None	-	-	-	-	-	-	-	-	-	-	-
106	Low Inc Disc	908LI	-	None	-	-	-	-	-	-	-	-	-	-	-
107	SBC	08EDAd	155,047	SBC_Rev	60,965	1,543	3,387	20,919	20,859	9,024	3,051	3,955	7,392	22,942	1,010
107	Econ Dev	908Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
108	ETIP/DSM	908EE	87,379	ETIP	36,221	867	2,091	12,220	11,911	5,060	1,474	2,306	3,507	11,168	554
109	Customer Assistance	910	-	None	-	-	-	-	-	-	-	-	-	-	-
110	Customer Serv. Exp.		242,426		97,186	2,410	5,478	33,139	32,770	14,085	4,525	6,261	10,898	34,110	1,565
111	Customer Accts. & Serv. Exp.	901-919	242,426		97,186	2,410	5,478	33,139	32,770	14,085	4,525	6,261	10,898	34,110	1,565
112															

Exhibit_____ (E-RDP-3CU)
Schedule 7G
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Regulatory

Line	Account	No.	Balance	Allocator	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
113	E. ADMINISTRATIVE AND GENERAL														
114	A&G-Salaries	920	-	None	-	-	-	-	-	-	-	-	-	-	-
115	A&G-Salaries COMP	920Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
116	Major accounts	920Maj	-	None	-	-	-	-	-	-	-	-	-	-	-
117	A&G-Office Supp	921	-	None	-	-	-	-	-	-	-	-	-	-	-
118	A&G-Office Supp COLL	921Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
119	A&G-Office Supp COMP	921Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
120	A&G-Outside Servi	923	-	None	-	-	-	-	-	-	-	-	-	-	-
121	A&G-Programs	923Prog	-	None	-	-	-	-	-	-	-	-	-	-	-
122	A&G-Business	923Bus	-	None	-	-	-	-	-	-	-	-	-	-	-
123	A&G-Outside Serv COLL	923Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
124	A&G-Outside Serv COMP	923Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
125	Property Insurance	924	-	None	-	-	-	-	-	-	-	-	-	-	-
126	Injuries & Damages Insur	925	-	RateBase	-	-	-	-	-	-	-	-	-	-	-
127	Empl Pensions & Bene	926	-	RateBase	-	-	-	-	-	-	-	-	-	-	-
128	Regulatory Comm Expenses	928	-	None	-	-	-	-	-	-	-	-	-	-	-
129	A&G-Insti GW Adv	930110	-	None	-	-	-	-	-	-	-	-	-	-	-
130	A&G-Misc Expenses	930200	40,584	RateBase	22,867	236	1,641	5,376	4,129	1,440	305	718	620	2,347	905
131	A&G-R&D	930210	-	None	-	-	-	-	-	-	-	-	-	-	-
132	A&G-Rents	931	-	None	-	-	-	-	-	-	-	-	-	-	-
133	A&G Maint-Gen Plant-Elec	935	-	None	-	-	-	-	-	-	-	-	-	-	-
134	Admin & Genl. Exp.	920-932	40,584		22,867	236	1,641	5,376	4,129	1,440	305	718	620	2,347	905
135	Total Operating Expenses		283,010		120,053	2,646	7,119	38,515	36,899	15,525	4,829	6,979	11,519	36,457	2,470
136															
137	II. DEPRECIATION EXPENSE														
138	Deprec exp- Tran	403Tx	-	None	-	-	-	-	-	-	-	-	-	-	-
139	Deprec exp- Struct/Station	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
140	Deprec exp- PTF/OH/UG	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
141	Deprec exp- Xfrmrs	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
142	Deprec exp- Services	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
143	Deprec exp- Meters	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
144	Deprec exp- SL	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
145	Deprec exp- Genl	403Gx	-	None	-	-	-	-	-	-	-	-	-	-	-
146	Amort Other Reg Assets	407300	3,677	RateBase	2,072	21	149	487	374	130	28	65	56	213	82
147	Depreciation Expense	403	3,677		2,072	21	149	487	374	130	28	65	56	213	82
148															

Exhibit_____ (E-RDP-3CU)
Schedule 7G
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Regulatory

Line	Account	No.	Balance	Allocator	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
149	III. TAXES and OTHER														
150	A. GENERAL TAXES														
151	Municipal property tax	408140	-	None	-	-	-	-	-	-	-	-	-	-	-
152	Payroll related	408110	-	None	-	-	-	-	-	-	-	-	-	-	-
153	Other tax	408170	-	None	-	-	-	-	-	-	-	-	-	-	-
154	General Taxes		-		-	-	-	-	-	-	-	-	-	-	-
155															
156	B. FEDERAL / STATE INCOME TAXES														
157	Federal Income Tax Exp		156	Reg-PreTax	(312)	4	(33)	63	115	59	24	22	58	191	(35)
158	State Income Tax Exp		(268)	Reg-PreTax	535	(7)	56	(108)	(198)	(101)	(42)	(38)	(99)	(327)	61
159	Income Taxes	409-411	(111)		223	(3)	23	(45)	(82)	(42)	(17)	(16)	(41)	(136)	25
160	Total Taxes	408-411	(111)		223	(3)	23	(45)	(82)	(42)	(17)	(16)	(41)	(136)	25
161	Revenue taxes		-	None	-	-	-	-	-	-	-	-	-	-	-
162	TOTAL EXPENSES		286,576		122,347	2,664	7,291	38,957	37,191	15,614	4,840	7,028	11,533	36,534	2,577
163															
164	IV. OPERATING REVENUES at Present Rates														
165	Distribution revenue		123,528	Tot_DistRev	77,388	916	5,582	14,810	10,420	3,566	548	1,937	1,166	3,816	3,380
166	Revenue taxes		-	None	-	-	-	-	-	-	-	-	-	-	-
167	Commodity revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
168	CEF ETIP revenue		155,047	SBC_Rev	60,965	1,543	3,387	20,919	20,859	9,024	3,051	3,955	7,392	22,942	1,010
169	Wholesale transmission		-	None	-	-	-	-	-	-	-	-	-	-	-
170	Late Payments charges		-	None	-	-	-	-	-	-	-	-	-	-	-
171	Pole attachments		-	None	-	-	-	-	-	-	-	-	-	-	-
172	DLM / Load Control		-	None	-	-	-	-	-	-	-	-	-	-	-
173	Large Customer Discounts		-	None	-	-	-	-	-	-	-	-	-	-	-
174	CSS Restablishment		-	None	-	-	-	-	-	-	-	-	-	-	-
175	Special L Revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
174	Merchant Function Charge		-	None	-	-	-	-	-	-	-	-	-	-	-
176	Other Revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
177	Billing credit		-	None	-	-	-	-	-	-	-	-	-	-	-
178	Operating Revenues		278,575		138,353	2,459	8,969	35,729	31,279	12,590	3,599	5,891	8,558	26,758	4,390
179															
180	TOTAL EXPENSES		286,576		122,347	2,664	7,291	38,957	37,191	15,614	4,840	7,028	11,533	36,534	2,577
181	V. NET INCOME at Present Rat		(8,001)		16,005	(205)	1,678	(3,228)	(5,912)	(3,024)	(1,241)	(1,136)	(2,975)	(9,776)	1,813
182															

Exhibit_____ (E-RDP-3CU)
Schedule 7G
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Regulatory

Line	Account	No.	Balance	Allocator	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
183	SUMMARY REPORT														
184	Utility Revenues	440-446	123,528		77,388	916	5,582	14,810	10,420	3,566	548	1,937	1,166	3,816	3,380
185	Other Operating Revenues	450-456	155,047		60,965	1,543	3,387	20,919	20,859	9,024	3,051	3,955	7,392	22,942	1,010
186	Total Operating Revenues		278,575		138,353	2,459	8,969	35,729	31,279	12,590	3,599	5,891	8,558	26,758	4,390
187															
188	Distribution / Transmission	580-599	0		0	0	0	0	0	0	0	0	0	0	0
189	Customer Acctg & Service	901-919	242,426		97,186	2,410	5,478	33,139	32,770	14,085	4,525	6,261	10,898	34,110	1,565
190	Admin & General	920-932	44,261		24,939	258	1,790	5,863	4,503	1,571	332	783	676	2,559	987
191	Total Operating Expenses		286,687		122,124	2,667	7,268	39,002	37,273	15,656	4,857	7,044	11,575	36,670	2,552
192															
193	Depreciation Expense	403	0		0	0	0	0	0	0	0	0	0	0	0
194	Taxes Other Than Income Tax /	408	0		0	0	0	0	0	0	0	0	0	0	0
195	Income before Income tax		(8,112)		16,228	(208)	1,701	(3,273)	(5,995)	(3,066)	(1,258)	(1,152)	(3,016)	(9,912)	1,839
196	Income Taxes	409-411	(111)		223	(3)	23	(45)	(82)	(42)	(17)	(16)	(41)	(136)	25
197	NET INCOME		(8,001)		16,005	(205)	1,678	(3,228)	(5,912)	(3,024)	(1,241)	(1,136)	(2,975)	(9,776)	1,813
198															
199	RATE BASE		(142,835)		(80,480)	(832)	(5,777)	(18,921)	(14,531)	(5,069)	(1,072)	(2,526)	(2,183)	(8,259)	(3,185)
200	Return on Rate Base		5.60%												
201															
202	REVENUE REQUIREMENTS														
203	Target Rate of Return		6.3100%		6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%
204	Rate Base		(142,835)		(80,480)	(832)	(5,777)	(18,921)	(14,531)	(5,069)	(1,072)	(2,526)	(2,183)	(8,259)	(3,185)
205															
206	Operating expenses		286,687		122,124	2,667	7,268	39,002	37,273	15,656	4,857	7,044	11,575	36,670	2,552
207	Uncollectibles- Delivery		-	None	0	0	0	0	0	0	0	0	0	0	0
208	Depreciation expense		0		0	0	0	0	0	0	0	0	0	0	0
209	General taxes / Other		0		0	0	0	0	0	0	0	0	0	0	0
210	Subtotal- Operating Costs to rec		286,687		122,124	2,667	7,268	39,002	37,273	15,656	4,857	7,044	11,575	36,670	2,552
211															
212	Target Return on Rate Base- Aft		(9,013)		(5,078)	(52)	(365)	(1,194)	(917)	(320)	(68)	(159)	(138)	(521)	(201)
213	Income taxes to recover		(681)		(384)	(4)	(28)	(90)	(69)	(24)	(5)	(12)	(10)	(39)	(15)
214				7.56%											
215	Subtotal- Rev Req before GRT		276,993		116,662	2,611	6,876	37,718	36,287	15,312	4,784	6,872	11,427	36,109	2,336
216	GRT needed		0	0.00%	0	0	0	0	0	0	0	0	0	0	0
217	TOTAL REVENUE REQ.		276,993		116,662	2,611	6,876	37,718	36,287	15,312	4,784	6,872	11,427	36,109	2,336

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Schedule 7G
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Electric Rate Design Panel

Exhibit __ (E-RDP-3CU)

Allocated (Embedded) Class Cost of Service Study

Schedule 7H

Class Allocation-Competitive Supply

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Competitive Supply

Line	Account	No.	Balance	Allocator	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	I. ELECTRIC PLANT IN SERVICE														
2	INTANGIBLE PLANT														
3	Organization	302	-	None	-	-	-	-	-	-	-	-	-	-	-
4	Intangible Plant		-		-	-	-	-	-	-	-	-	-	-	-
5															
6	C. TRANSMISSION PLANT														
7	Transmission Plant	361	-	None	-	-	-	-	-	-	-	-	-	-	-
8	Transmission Plant	350-359	-		-	-	-	-	-	-	-	-	-	-	-
9															
10	D. DISTRIBUTION PLANT														
11	Land and land rights	360	-	None	-	-	-	-	-	-	-	-	-	-	-
12	Structures and impr.	361	-	None	-	-	-	-	-	-	-	-	-	-	-
13	Station equipment	362	-	None	-	-	-	-	-	-	-	-	-	-	-
14	Poles, towers and fixtures	364	-	None	-	-	-	-	-	-	-	-	-	-	-
15	OH conductors, devices	365	-	None	-	-	-	-	-	-	-	-	-	-	-
16	UG conduits	366	-	None	-	-	-	-	-	-	-	-	-	-	-
17	UG conductors, devices	367	-	None	-	-	-	-	-	-	-	-	-	-	-
18	Line transformers	368	-	None	-	-	-	-	-	-	-	-	-	-	-
19	Services	369	-	None	-	-	-	-	-	-	-	-	-	-	-
20	Meters	370	-	None	-	-	-	-	-	-	-	-	-	-	-
21	Installs customer premises	371	-	None	-	-	-	-	-	-	-	-	-	-	-
22	Street lighting, signals	373	-	None	-	-	-	-	-	-	-	-	-	-	-
23	346/363 -Solar / Battery Storage	374	-	None	-	-	-	-	-	-	-	-	-	-	-
24	Distribution Plant	360-373	-		-	-	-	-	-	-	-	-	-	-	-
25															
26	E. GENERAL PLANT														
27	General Plant	389	19	Sup-Lab	17	0	1	0	0	0	0	0	0	0	0
28	Common Plant	391	14	Sup-Lab	13	0	1	0	0	0	0	0	0	0	0
29	General Plant	389-399	32		30	0	1	1	0	0	0	0	0	0	0
30															
31	TOTAL UTILITY PLANT		32		30	0	1	1	0	0	0	0	0	0	0
32															

Exhibit_____ (E-RDP-3CU)
Schedule 7H
Corrections and Updates
Page 1 of 7

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Competitive Supply

Line	Account	No.	Balance	Allocator	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
33	II. DEPRECIATION RESERVE														
34	Franchises and consents	108.3	-	None	-	-	-	-	-	-	-	-	-	-	-
35	Transmission Plant	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
36	Land Rts, Subst, Struct	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
37	PTF / OH / UG	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
38	Line Transformers	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
39	Services	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
40	Meters	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
41	Lighting	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
42	Customer premises	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
43	General Plant	108.6	15	Sup-Lab	14	0	1	0	0	0	0	0	0	0	0
44	Depreciation Reserve	108	15		14	0	1	0	0	0	0	0	0	0	0
45															
46	III. OTHER RATE BASE ITEMS														
47	Other Reg Assets		-	None	-	-	-	-	-	-	-	-	-	-	-
48	Materials and Supplies		50	Sup-OpExp	46	0	2	1	0	0	0	0	0	0	0
49	Prepayments		(31)	Sup-OpExp	(28)	(0)	(1)	(1)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
50	Other Net Plant		-	MWh-Sales	-	-	-	-	-	-	-	-	-	-	-
51	Cash Working Capital		136	Sup-OpExp	125	1	6	3	1	0	0	0	0	0	1
52	Cash Working Cap- Comm		24,273	MWh-Sales	16,679	255	732	2,856	1,262	380	208	98	111	1,559	133
53	Accumulated Deferred FIT		(5)	Sup-Lab	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
54	Non Interest Bearing CWIP		0	Sup-Lab	0	0	0	0	0	0	0	0	0	0	0
55	EBCap Adjustment		-	None	-	-	-	-	-	-	-	-	-	-	-
56	Other Rate Base	131-283	24,424		16,817	256	738	2,860	1,262	380	208	98	111	1,560	134
57															
58	TOTAL RATE BASE		24,441		16,833	256	739	2,860	1,262	380	208	98	111	1,560	134
59															

Exhibit_____ (E-RDP-3CU)
Schedule 7H
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Competitive Supply

Line	Account	No.	Balance	Allocator	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
60	I. OPERATING AND MAINTENANCE EXPENSES														
61	B. TRANSMISSION EXPENSE														
62	Transmission Expense		-	None	-	-	-	-	-	-	-	-	-	-	-
63	Transmission Expense		-		-	-	-	-	-	-	-	-	-	-	-
64															
65	C. DISTRIBUTION EXPENSE														
66	Purchased Power	555	570,529	CommodityRev	379,726	6,155	17,142	66,801	33,927	11,435	5,216	3,655	5,250	38,531	2,691
67	Transmission O&M	580	-	None	-	-	-	-	-	-	-	-	-	-	-
68	Oper-Supervision & Eng	580	-	None	-	-	-	-	-	-	-	-	-	-	-
69	Oper-Load Dispatching	581	-	None	-	-	-	-	-	-	-	-	-	-	-
70	Oper-Substations	582	-	None	-	-	-	-	-	-	-	-	-	-	-
71	Oper-Overhead Lines	583	-	None	-	-	-	-	-	-	-	-	-	-	-
72	Oper-Underground Lines	584	-	None	-	-	-	-	-	-	-	-	-	-	-
73	Oper-Outdoor Lighting	585	-	None	-	-	-	-	-	-	-	-	-	-	-
74	Oper-Electric Meters	586	-	None	-	-	-	-	-	-	-	-	-	-	-
75	Oper-Customer Install.	587	-	None	-	-	-	-	-	-	-	-	-	-	-
76	Oper-Misc Expenses	588	-	None	-	-	-	-	-	-	-	-	-	-	-
77	Oper-Rents	589	-	None	-	-	-	-	-	-	-	-	-	-	-
78	Maint-Supervision & Eng	590	-	None	-	-	-	-	-	-	-	-	-	-	-
79	Maint-Structures	591	-	None	-	-	-	-	-	-	-	-	-	-	-
80	Maint-Substations	592	-	None	-	-	-	-	-	-	-	-	-	-	-
81	Maint-Overhead Lines	593	-	None	-	-	-	-	-	-	-	-	-	-	-
82	Maint-Underground Lines	594	-	None	-	-	-	-	-	-	-	-	-	-	-
83	Maint-Line Transformers	595	-	None	-	-	-	-	-	-	-	-	-	-	-
84	Maint-Outdoor Lighting	596	-	None	-	-	-	-	-	-	-	-	-	-	-
85	Maint-Electric Meters	597	-	None	-	-	-	-	-	-	-	-	-	-	-
86	Maint-Misc Distr Plant	599	-	None	-	-	-	-	-	-	-	-	-	-	-
87	Oper. & Maint. Exp.	500-599	570,529		379,726	6,155	17,142	66,801	33,927	11,435	5,216	3,655	5,250	38,531	2,691
88			570,529		379,726	6,155	17,142	66,801	33,927	11,435	5,216	3,655	5,250	38,531	2,691
89	D. CUSTOMER ACCOUNTS AND SERVICE														
90	Supervision	901	1	Acct903	1	0	0	0	0	0	0	0	0	0	0
91	Supervision- Collections	901Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
92	Supervision- Competitive	901Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
93	Meter Reading Exp- Comp	902Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
94	Cust Recs & Coll	903	-	None	-	-	-	-	-	-	-	-	-	-	-
95	Cust Recs & Coll- Coll	903Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
96	Cust Recs & Coll- Comp	903Comp	138	Acct903	126	1	6	3	1	0	0	0	0	0	1
97	Uncollectible- Delivery	904	-	None	-	-	-	-	-	-	-	-	-	-	-
98	Uncollectible- Comm	904Comm	8,720	Write-Offs-Comm	8,253	21	97	225	50	17	5	6	7	40	-
99	Misc Cust Acct	905	-	None	-	-	-	-	-	-	-	-	-	-	-
100	Misc Cust Acct Coll	905Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
101	Misc Cust Acct- Comp	905Comp	-	Acct903	-	-	-	-	-	-	-	-	-	-	-
102	Customer Accts. Exp.	901-905	8,859		8,380	22	103	228	50	17	6	6	7	40	1
103															
104	Supervision	907	-	None	-	-	-	-	-	-	-	-	-	-	-

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Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Competitive Supply

Line	Account	No.	Balance	Allocator	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
105	Customer Assist	908	-	None	-	-	-	-	-	-	-	-	-	-	-
106	Low Inc Disc	908LI	-	None	-	-	-	-	-	-	-	-	-	-	-
107	SBC	08EDAd	-	None	-	-	-	-	-	-	-	-	-	-	-
107	Econ Dev	908Comp	-	Acct908	-	-	-	-	-	-	-	-	-	-	-
108	ETIP/DSM	908EE	-	None	-	-	-	-	-	-	-	-	-	-	-
109	Customer Assistance	910	-	None	-	-	-	-	-	-	-	-	-	-	-
110	Customer Serv. Exp.		-		-	-	-	-	-	-	-	-	-	-	-
111	Customer Accts. & Serv. Exp.	901-919	8,859		8,380	22	103	228	50	17	6	6	7	40	1
112															

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Schedule 7H
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Competitive Supply

Line	Account	No.	Balance	Allocator	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
113	E. ADMINISTRATIVE AND GENERAL														
114	A&G-Salaries	920	-	None	-	-	-	-	-	-	-	-	-	-	-
115	A&G-Salaries COMP	920Comp	821	Sup-Lab	753	6	34	18	4	1	0	0	0	1	4
116	Major accounts	920Maj	-	None	-	-	-	-	-	-	-	-	-	-	-
117	A&G-Office Supp	921	-	None	-	-	-	-	-	-	-	-	-	-	-
118	A&G-Office Supp COLL	921Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
119	A&G-Office Supp COMP	921Comp	53	Sup-Lab	49	0	2	1	0	0	0	0	0	0	0
120	A&G-Outside Servi	923	-	None	-	-	-	-	-	-	-	-	-	-	-
121	A&G-Programs	923Prog	-	None	-	-	-	-	-	-	-	-	-	-	-
122	A&G-Business	923Bus	-	None	-	-	-	-	-	-	-	-	-	-	-
123	A&G-Outside Serv COLL	923Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
124	A&G-Outside Serv COMP	923Comp	27	Sup-Lab	25	0	1	1	0	0	0	0	0	0	0
125	Property Insurance	924	0	None	-	-	-	-	-	-	-	-	-	-	-
126	Injuries & Damages Insur	925	1	Sup-Lab	1	0	0	0	0	0	0	0	0	0	0
127	Empl Pensions & Bene	926	3	Sup-Lab	3	0	0	0	0	0	0	0	0	0	0
128	Regulatory Comm Expenses	928	-	None	-	-	-	-	-	-	-	-	-	-	-
129	A&G-Insti GW Adv	930110	-	None	-	-	-	-	-	-	-	-	-	-	-
130	A&G-Misc Expenses	930200	-	None	-	-	-	-	-	-	-	-	-	-	-
131	A&G-R&D	930210	-	None	-	-	-	-	-	-	-	-	-	-	-
132	A&G-Rents	931	0	Account931	0	0	0	0	0	0	0	0	0	0	0
133	A&G Maint-Gen Plant-Elec	935	0	Sup-Lab	0	0	0	0	0	0	0	0	0	0	0
134	Admin & Genl. Exp.	920-932	905		830	6	38	19	4	1	0	1	0	2	4
135	Total Operating Expenses		580,293		388,935	6,184	17,282	67,048	33,982	11,453	5,222	3,661	5,257	38,573	2,696
136															
137	II. DEPRECIATION EXPENSE														
138	Deprec exp- Tran	403Tx	-	None	-	-	-	-	-	-	-	-	-	-	-
139	Deprec exp- Struct/Station	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
140	Deprec exp- PTF/OH/UG	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
141	Deprec exp- Xfrmrs	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
142	Deprec exp- Services	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
143	Deprec exp- Meters	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
144	Deprec exp- SL	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
145	Deprec exp- Genl	403Gx	1	Sup-Lab	1	0	0	0	0	0	0	0	0	0	0
146	Amort Other Reg Assets	407300	-	None	-	-	-	-	-	-	-	-	-	-	-
147	Depreciation Expense	403	1		1	0	0	0	0	0	0	0	0	0	0
148															

Exhibit_____ (E-RDP-3CU)
Schedule 7H
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Competitive Supply

Line	Account	No.	Balance	Allocator	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
149	III. TAXES and OTHER														
150	A. GENERAL TAXES														
151	Municipal property tax	408140	-	None	-	-	-	-	-	-	-	-	-	-	-
152	Payroll related	408110	1	Sup-Lab	1	0	0	0	0	0	0	0	0	0	0
153	Other tax	408170	0	Write-Offs-Comm	0	0	0	0	0	0	0	0	0	0	-
154	General Taxes		1		1	0	0	0	0	0	0	0	0	0	0
155															
156	B. FEDERAL / STATE INCOME TAXES														
157	Federal Income Tax Exp		(154)	Sup-PreTax	(112)	(4)	(10)	(11)	(6)	(2)	(1)	(0)	(0)	(7)	(1)
158	State Income Tax Exp		263	Sup-PreTax	192	7	17	19	10	3	2	1	1	12	1
159	Income Taxes	409-411	110		80	3	7	8	4	1	1	0	0	5	0
160	Total Taxes	408-411	111		81	3	7	8	4	1	1	0	0	5	0
161	Revenue taxes		-	None	-	-	-	-	-	-	-	-	-	-	-
162	TOTAL EXPENSES		580,404		389,017	6,186	17,289	67,056	33,986	11,454	5,223	3,662	5,257	38,578	2,697
163															
164	IV. OPERATING REVENUES at Present Rates														
165	Distribution revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
166	Revenue taxes		-	None	-	-	-	-	-	-	-	-	-	-	-
167	Commodity revenue		570,529	CommodityRev	379,726	6,155	17,142	66,801	33,927	11,435	5,216	3,655	5,250	38,531	2,691
168	CEF ETIP revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
169	Wholesale transmission		-	None	-	-	-	-	-	-	-	-	-	-	-
170	Late Payments charges		-	None	-	-	-	-	-	-	-	-	-	-	-
171	Pole attachments		-	None	-	-	-	-	-	-	-	-	-	-	-
172	DLM / Load Control		-	None	-	-	-	-	-	-	-	-	-	-	-
173	Large Customer Discounts		-	None	-	-	-	-	-	-	-	-	-	-	-
174	CSS Restablishment		-	None	-	-	-	-	-	-	-	-	-	-	-
175	Special L Revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
174	Merchant Function Charge		17,744	MFC_Rev	15,025	240	650	812	354	106	56	26	28	412	34
176	Other Revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
177	Billing credit		-	None	-	-	-	-	-	-	-	-	-	-	-
178	Operating Revenues		588,273		394,752	6,395	17,792	67,613	34,281	11,541	5,272	3,681	5,278	38,943	2,725
179															
180	TOTAL EXPENSES		580,404		389,017	6,186	17,289	67,056	33,986	11,454	5,223	3,662	5,257	38,578	2,697
181	V. NET INCOME at Present Rat		7,869		5,734	209	503	557	296	87	50	20	21	366	28
182															

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Competitive Supply

Line	Account	No.	Balance	Allocator	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
183	SUMMARY REPORT														
184	Utility Revenues	440-446	0		0	0	0	0	0	0	0	0	0	0	0
185	Other Operating Revenues	450-456	588,273		394,752	6,395	17,792	67,613	34,281	11,541	5,272	3,681	5,278	38,943	2,725
186	Total Operating Revenues		588,273		394,752	6,395	17,792	67,613	34,281	11,541	5,272	3,681	5,278	38,943	2,725
187															
188	Distribution / Transmission	580-599	570,529		379,726	6,155	17,142	66,801	33,927	11,435	5,216	3,655	5,250	38,531	2,691
189	Customer Acctg & Service	901-919	8,859		8,380	22	103	228	50	17	6	6	7	40	1
190	Admin & General	920-932	905		830	6	38	19	4	1	0	1	0	2	4
191	Total Operating Expenses		580,293		388,935	6,184	17,282	67,048	33,982	11,453	5,222	3,661	5,257	38,573	2,696
192															
193	Depreciation Expense	403	1		1	0	0	0	0	0	0	0	0	0	0
194	Taxes Other Than Income Tax /	408	1		1	0	0	0	0	0	0	0	0	0	0
195	Income before Income tax		7,978		5,814	212	510	565	300	88	50	20	21	371	29
196	Income Taxes	409-411	110		80	3	7	8	4	1	1	0	0	5	0
197	NET INCOME		7,869		5,734	209	503	557	296	87	50	20	21	366	28
198															
199	RATE BASE		24,441		16,833	256	739	2,860	1,262	380	208	98	111	1,560	134
200	Return on Rate Base		32.19%												
201															
202	REVENUE REQUIREMENTS														
203	Target Rate of Return		6.3100%		6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%
204	Rate Base		24,441		16,833	256	739	2,860	1,262	380	208	98	111	1,560	134
205															
206	Operating expenses		580,293		388,935	6,184	17,282	67,048	33,982	11,453	5,222	3,661	5,257	38,573	2,696
207	Uncollectibles- Delivery		-	None	0	0	0	0	0	0	0	0	0	0	0
208	Depreciation expense		1		1	0	0	0	0	0	0	0	0	0	0
209	General taxes / Other		1		1	0	0	0	0	0	0	0	0	0	0
210	Subtotal- Operating Costs to rec		580,295		388,937	6,184	17,282	67,048	33,982	11,453	5,222	3,661	5,257	38,573	2,696
211															
212	Target Return on Rate Base- Aft		1,542		1,062	16	47	180	80	24	13	6	7	98	8
213	Income taxes to recover		117	MWh-Sales	80	1	4	14	6	2	1	0	1	7	1
214				7.56%											
215	Subtotal- Rev Req before GRT		581,954		390,080	6,201	17,332	67,243	34,067	11,478	5,236	3,668	5,265	38,678	2,705
216	GRT needed		0	0.00%	0	0	0	0	0	0	0	0	0	0	0
217	TOTAL REVENUE REQ.		581,954		390,080	6,201	17,332	67,243	34,067	11,478	5,236	3,668	5,265	38,678	2,705

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Electric Rate Design Panel

Exhibit __ (E-RDP-3CU)

Allocated (Embedded) Class Cost of Service Study

Schedule 7I

Class Allocation-Competitive Collection

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Competitive Collection

Line	Account	No.	Balance	Allocator	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	I. ELECTRIC PLANT IN SERVICE														
2	INTANGIBLE PLANT														
3	Organization	302	-	None	-	-	-	-	-	-	-	-	-	-	-
4	Intangible Plant		-		-	-	-	-	-	-	-	-	-	-	-
5															
6	C. TRANSMISSION PLANT														
7	Transmission Plant	361	-	None	-	-	-	-	-	-	-	-	-	-	-
8	Transmission Plant	350-359	-		-	-	-	-	-	-	-	-	-	-	-
9															
10	D. DISTRIBUTION PLANT														
11	Land and land rights	360	-	None	-	-	-	-	-	-	-	-	-	-	-
12	Structures and impr.	361	-	None	-	-	-	-	-	-	-	-	-	-	-
13	Station equipment	362	-	None	-	-	-	-	-	-	-	-	-	-	-
14	Poles, towers and fixtures	364	-	None	-	-	-	-	-	-	-	-	-	-	-
15	OH conductors, devices	365	-	None	-	-	-	-	-	-	-	-	-	-	-
16	UG conduits	366	-	None	-	-	-	-	-	-	-	-	-	-	-
17	UG conductors, devices	367	-	None	-	-	-	-	-	-	-	-	-	-	-
18	Line transformers	368	-	None	-	-	-	-	-	-	-	-	-	-	-
19	Services	369	-	None	-	-	-	-	-	-	-	-	-	-	-
20	Meters	370	-	None	-	-	-	-	-	-	-	-	-	-	-
21	Installs customer premises	371	-	None	-	-	-	-	-	-	-	-	-	-	-
22	Street lighting, signals	373	-	None	-	-	-	-	-	-	-	-	-	-	-
23	346/363 -Solar / Battery Storage	374	-	None	-	-	-	-	-	-	-	-	-	-	-
24	Distribution Plant	360-373	-		-	-	-	-	-	-	-	-	-	-	-
25															
26	E. GENERAL PLANT														
27	General Plant	389	1,684	Coll-Lab	1,543	12	70	36	7	2	0	1	1	3	8
28	Common Plant	391	1,264	Coll-Lab	1,158	9	53	27	6	2	0	1	1	2	6
29	General Plant	389-399	2,947		2,702	21	123	63	13	4	1	2	1	5	13
30															
31	TOTAL UTILITY PLANT		2,947		2,702	21	123	63	13	4	1	2	1	5	13
32															

Exhibit_____ (E-RDP-3CU)
Schedule 7I
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Competitive Collection

Line	Account	No.	Balance	Allocator	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
33	II. DEPRECIATION RESERVE														
34	Franchises and consents	108.3	-	None	-	-	-	-	-	-	-	-	-	-	-
35	Transmission Plant	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
36	Land Rts, Subst, Struct	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
37	PTF / OH / UG	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
38	Line Transformers	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
39	Services	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
40	Meters	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
41	Lighting	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
42	Customer premises	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
43	General Plant	108.6	1,381	Coll-Lab	1,266	10	58	30	6	2	0	1	1	2	6
44	Depreciation Reserve	108	1,381		1,266	10	58	30	6	2	0	1	1	2	6
45															
46	III. OTHER RATE BASE ITEMS														
47	Other Reg Assets		-	None	-	-	-	-	-	-	-	-	-	-	-
48	Materials and Supplies		199	Coll-OpExp	182	1	8	4	1	0	0	0	0	0	1
49	Prepayments		(123)	Coll-OpExp	(112)	(1)	(5)	(3)	(1)	(0)	(0)	(0)	(0)	(0)	(1)
50	Other Net Plant		-	None	-	-	-	-	-	-	-	-	-	-	-
51	Cash Working Capital		545	Coll-OpExp	499	4	23	12	3	1	0	0	0	1	3
52	Cash Working Cap- Comm		-	None	-	-	-	-	-	-	-	-	-	-	-
53	Accumulated Deferred FIT		(428)	Coll-Lab	(392)	(3)	(18)	(9)	(2)	(1)	(0)	(0)	(0)	(1)	(2)
54	Non Interest Bearing CWIP		20	Coll-Lab	18	0	1	0	0	0	0	0	0	0	0
55	EBCap Adjustment		-	None	-	-	-	-	-	-	-	-	-	-	-
56	Other Rate Base	131-283	213		195	2	9	5	1	0	0	0	0	0	1
57															
58	TOTAL RATE BASE		1,779		1,630	13	74	38	8	2	1	1	1	3	8
59															

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Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Competitive Collection

Line	Account	No.	Balance	Allocator	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
60	I. OPERATING AND MAINTENANCE EXPENSES														
61	B. TRANSMISSION EXPENSE														
62	Transmission Expense		-	None	-	-	-	-	-	-	-	-	-	-	-
63	Transmission Expense		-		-	-	-	-	-	-	-	-	-	-	-
64															
65	C. DISTRIBUTION EXPENSE														
66	Purchased Power	555	-	None	-	-	-	-	-	-	-	-	-	-	-
67	Transmission O&M	580	-	None	-	-	-	-	-	-	-	-	-	-	-
68	Oper-Supervision & Eng	580	-	None	-	-	-	-	-	-	-	-	-	-	-
69	Oper-Load Dispatching	581	-	None	-	-	-	-	-	-	-	-	-	-	-
70	Oper-Substations	582	-	None	-	-	-	-	-	-	-	-	-	-	-
71	Oper-Overhead Lines	583	-	None	-	-	-	-	-	-	-	-	-	-	-
72	Oper-Underground Lines	584	-	None	-	-	-	-	-	-	-	-	-	-	-
73	Oper-Outdoor Lighting	585	-	None	-	-	-	-	-	-	-	-	-	-	-
74	Oper-Electric Meters	586	-	None	-	-	-	-	-	-	-	-	-	-	-
75	Oper-Customer Install.	587	-	None	-	-	-	-	-	-	-	-	-	-	-
76	Oper-Misc Expenses	588	-	None	-	-	-	-	-	-	-	-	-	-	-
77	Oper-Rents	589	-	None	-	-	-	-	-	-	-	-	-	-	-
78	Maint-Supervision & Eng	590	-	None	-	-	-	-	-	-	-	-	-	-	-
79	Maint-Structures	591	-	None	-	-	-	-	-	-	-	-	-	-	-
80	Maint-Substations	592	-	None	-	-	-	-	-	-	-	-	-	-	-
81	Maint-Overhead Lines	593	-	None	-	-	-	-	-	-	-	-	-	-	-
82	Maint-Underground Lines	594	-	None	-	-	-	-	-	-	-	-	-	-	-
83	Maint-Line Transformers	595	-	None	-	-	-	-	-	-	-	-	-	-	-
84	Maint-Outdoor Lighting	596	-	None	-	-	-	-	-	-	-	-	-	-	-
85	Maint-Electric Meters	597	-	None	-	-	-	-	-	-	-	-	-	-	-
86	Maint-Misc Distr Plant	599	-	None	-	-	-	-	-	-	-	-	-	-	-
87	Oper. & Maint. Exp.	500-599	-		-	-	-	-	-	-	-	-	-	-	-
88			-		-	-	-	-	-	-	-	-	-	-	-
89	D. CUSTOMER ACCOUNTS AND SERVICE														
90	Supervision	901	51	Acct903	47	0	2	1	0	0	0	0	0	0	0
91	Supervision- Collections	901Coll	99	Acct903	91	1	4	2	0	0	0	0	0	0	0
92	Supervision- Competitive	901Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
93	Meter Reading Exp- Comp	902Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
94	Cust Recs & Coll	903	-	None	-	-	-	-	-	-	-	-	-	-	-
95	Cust Recs & Coll- Coll	903Coll	3,258	Acct903	2,987	23	136	70	14	4	1	2	1	5	15
96	Cust Recs & Coll- Comp	903Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
97	Uncollectible- Delivery	904	10	Write-Offs-Del	10	0	0	0	0	0	0	0	0	0	-
98	Uncollectible- Comm	904Comm	-	None	-	-	-	-	-	-	-	-	-	-	-
99	Misc Cust Acct	905	-	None	-	-	-	-	-	-	-	-	-	-	-
100	Misc Cust Acct Coll	905Coll	358	Acct903	328	3	15	8	2	0	0	0	0	1	2
101	Misc Cust Acct- Comp	905Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
102	Customer Accts. Exp.	901-905	3,777		3,462	27	157	81	17	5	1	2	2	6	17
103															
104	Supervision	907	-	None	-	-	-	-	-	-	-	-	-	-	-

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Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Competitive Collection

Line	Account	No.	Balance	Allocator	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
105	Customer Assist	908	-	None	-	-	-	-	-	-	-	-	-	-	-
106	Low Inc Disc	908LI	-	None	-	-	-	-	-	-	-	-	-	-	-
107	SBC	08EDAd	-	None	-	-	-	-	-	-	-	-	-	-	-
107	Econ Dev	908Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
108	ETIP/DSM	908EE	-	None	-	-	-	-	-	-	-	-	-	-	-
109	Customer Assistance	910	-	None	-	-	-	-	-	-	-	-	-	-	-
110	Customer Serv. Exp.		-		-	-	-	-	-	-	-	-	-	-	-
111	Customer Accts. & Serv. Exp.	901-919	3,777		3,462	27	157	81	17	5	1	2	2	6	17
112															

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Schedule 7I
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Competitive Collection

Line	Account	No.	Balance	Allocator	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
113	E. ADMINISTRATIVE AND GENERAL														
114	A&G-Salaries	920	-	None	-	-	-	-	-	-	-	-	-	-	-
115	A&G-Salaries COMP	920Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
116	Major accounts	920Maj	-	None	-	-	-	-	-	-	-	-	-	-	-
117	A&G-Office Supp	921	-	None	-	-	-	-	-	-	-	-	-	-	-
118	A&G-Office Supp COLL	921Coll	12	Coll-Lab	11	0	0	0	0	0	0	0	0	0	0
119	A&G-Office Supp COMP	921Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
120	A&G-Outside Servi	923	-	None	-	-	-	-	-	-	-	-	-	-	-
121	A&G-Programs	923Prog	-	Coll-Lab	-	-	-	-	-	-	-	-	-	-	-
122	A&G-Business	923Bus	-	Coll-Lab	-	-	-	-	-	-	-	-	-	-	-
123	A&G-Outside Serv COLL	923Coll	26	Coll-Lab	23	0	1	1	0	0	0	0	0	0	0
124	A&G-Outside Serv COMP	923Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
125	Property Insurance	924	1	Acct903	1	0	0	0	0	0	0	0	0	0	0
126	Injuries & Damages Insur	925	56	Coll-Lab	51	0	2	1	0	0	0	0	0	0	0
127	Empl Pensions & Bene	926	278	Coll-Lab	255	2	12	6	1	0	0	0	0	0	1
128	Regulatory Comm Expenses	928	-	RateBase	-	-	-	-	-	-	-	-	-	-	-
129	A&G-Insti GW Adv	930110	-	None	-	-	-	-	-	-	-	-	-	-	-
130	A&G-Misc Expenses	930200	-	None	-	-	-	-	-	-	-	-	-	-	-
131	A&G-R&D	930210	-	None	-	-	-	-	-	-	-	-	-	-	-
132	A&G-Rents	931	16	Account931	10	0	1	2	1	0	0	0	0	1	0
133	A&G Maint-Gen Plant-Elec	935	12	Coll-Lab	11	0	1	0	0	0	0	0	0	0	0
134	Admin & Genl. Exp.	920-932	400		362	3	17	10	3	1	0	0	0	1	2
135	Total Operating Expenses		4,177		3,824	30	174	91	20	6	1	3	2	8	19
136															
137	II. DEPRECIATION EXPENSE														
138	Deprec exp- Tran	403Tx	-	None	-	-	-	-	-	-	-	-	-	-	-
139	Deprec exp- Struct/Station	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
140	Deprec exp- PTF/OH/UG	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
141	Deprec exp- Xfrmrs	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
142	Deprec exp- Services	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
143	Deprec exp- Meters	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
144	Deprec exp- SL	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
145	Deprec exp- Genl	403Gx	94	Coll-Lab	86	1	4	2	0	0	0	0	0	0	0
146	Amort Other Reg Assets	407300	-	None	-	-	-	-	-	-	-	-	-	-	-
147	Depreciation Expense	403	94		86	1	4	2	0	0	0	0	0	0	0
148															

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Schedule 7I
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Competitive Collection

Line	Account	No.	Balance	Allocator	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
149	III. TAXES and OTHER														
150	A. GENERAL TAXES														
151	Municipal property tax	408140	-	None	-	-	-	-	-	-	-	-	-	-	-
152	Payroll related	408110	103	Coll-Lab	95	1	4	2	0	0	0	0	0	0	0
153	Other tax	408170	0	Acct903	0	0	0	0	0	0	0	0	0	0	0
154	General Taxes		103		95	1	4	2	0	0	0	0	0	0	0
155															
156	B. FEDERAL / STATE INCOME TAXES														
157	Federal Income Tax Exp		(1)	Coll-PreTax	23	(0)	(0)	(8)	(7)	(2)	(0)	(1)	(1)	(2)	(2)
158	State Income Tax Exp		2	Coll-PreTax	(40)	0	1	14	12	4	1	2	1	4	3
159	Income Taxes	409-411	1		(17)	0	0	6	5	2	0	1	1	2	1
160	Total Taxes	408-411	104		78	1	5	8	5	2	0	1	1	2	2
161	Revenue taxes		-	None	-	-	-	-	-	-	-	-	-	-	-
162	TOTAL EXPENSES		4,375		3,988	31	182	102	25	8	2	4	2	10	22
163															
164	IV. OPERATING REVENUES at Present Rates														
165	Distribution revenue		4,439	Tot_DistRev	2,781	33	201	532	374	128	20	70	42	137	121
166	Revenue taxes		-	None	-	-	-	-	-	-	-	-	-	-	-
167	Commodity revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
168	CEF ETIP revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
169	Wholesale transmission		-	None	-	-	-	-	-	-	-	-	-	-	-
170	Late Payments charges		6	Write-Offs-Del	6	0	0	0	0	0	0	0	0	0	-
171	Pole attachments		-	None	-	-	-	-	-	-	-	-	-	-	-
172	DLM / Load Control		-	None	-	-	-	-	-	-	-	-	-	-	-
173	Large Customer Discounts		-	None	-	-	-	-	-	-	-	-	-	-	-
174	CSS Restablishment		-	None	-	-	-	-	-	-	-	-	-	-	-
175	Special L Revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
174	Merchant Function Charge		-	None	-	-	-	-	-	-	-	-	-	-	-
176	Other Revenue		-	Total_RevReq	-	-	-	-	-	-	-	-	-	-	-
177	Billing credit		-	None	-	-	-	-	-	-	-	-	-	-	-
178	Operating Revenues		4,445		2,787	33	201	532	375	128	20	70	42	137	121
179															
180	TOTAL EXPENSES		4,375		3,988	31	182	102	25	8	2	4	2	10	22
181	V. NET INCOME at Present Rat		70		(1,201)	2	19	431	349	120	18	66	39	127	100
182															

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Competitive Collection

Line	Account	No.	Balance	Allocator	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
183	SUMMARY REPORT														
184	Utility Revenues	440-446	4,439		2,781	33	201	532	374	128	20	70	42	137	121
185	Other Operating Revenues	450-456	6		6	0	0	0	0	0	0	0	0	0	0
186	Total Operating Revenues		4,445		2,787	33	201	532	375	128	20	70	42	137	121
187															
188	Distribution / Transmission	580-599	0		0	0	0	0	0	0	0	0	0	0	0
189	Customer Acctg & Service	901-919	3,777		3,462	27	157	81	17	5	1	2	2	6	17
190	Admin & General	920-932	400		362	3	17	10	3	1	0	0	0	1	2
191	Total Operating Expenses		4,177		3,824	30	174	91	20	6	1	3	2	8	19
192															
193	Depreciation Expense	403	94		86	1	4	2	0	0	0	0	0	0	0
194	Taxes Other Than Income Tax /	408	103		95	1	4	2	0	0	0	0	0	0	0
195	Income before Income tax		71		(1,218)	2	19	437	354	122	18	67	40	129	101
196	Income Taxes	409-411	1		(17)	0	0	6	5	2	0	1	1	2	1
197	NET INCOME		70		(1,201)	2	19	431	349	120	18	66	39	127	100
198															
199	RATE BASE		1,779		1,630	13	74	38	8	2	1	1	1	3	8
200	Return on Rate Base		3.94%												
201															
202	REVENUE REQUIREMENTS														
203	Target Rate of Return		6.3100%		6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%
204	Rate Base		1,779		1,630	13	74	38	8	2	1	1	1	3	8
205															
206	Operating expenses		4,167		3,814	29	174	91	20	6	1	3	2	8	19
207	Uncollectibles- Delivery		11	Write-Offs-Del	10	0	0	0	0	0	0	0	0	0	0
208	Depreciation expense		94		86	1	4	2	0	0	0	0	0	0	0
209	General taxes / Other		103		95	1	4	2	0	0	0	0	0	0	0
210	Subtotal- Operating Costs to rec		4,375		4,006	31	182	96	21	6	1	3	2	8	20
211															
212	Target Return on Rate Base- Aft		112		103	1	5	2	1	0	0	0	0	0	1
213	Income taxes to recover		8		8	0	0	0	0	0	0	0	0	0	0
214				7.56%											
215	Subtotal- Rev Req before GRT		4,496		4,116	32	187	98	21	6	1	3	2	8	21
216	GRT needed		0	0.00%	0	0	0	0	0	0	0	0	0	0	0
217	TOTAL REVENUE REQ.		4,496		4,116	32	187	98	21	6	1	3	2	8	21

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Electric Rate Design Panel

Exhibit __ (E-RDP-3CU)

Allocated (Embedded) Class Cost of Service Study

Schedule 7J

Class Allocation-Competitive Billing

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Competitive Billing

Line	Account	No.	Balance	Allocator	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	I. ELECTRIC PLANT IN SERVICE														
2	INTANGIBLE PLANT														
3	Organization	302	-	None	-	-	-	-	-	-	-	-	-	-	-
4	Intangible Plant		-		-	-	-	-	-	-	-	-	-	-	-
5															
6	C. TRANSMISSION PLANT														
7	Transmission Plant	361	-	None	-	-	-	-	-	-	-	-	-	-	-
8	Transmission Plant	350-359	-		-	-	-	-	-	-	-	-	-	-	-
9															
10	D. DISTRIBUTION PLANT														
11	Land and land rights	360	-	None	-	-	-	-	-	-	-	-	-	-	-
12	Structures and impr.	361	-	None	-	-	-	-	-	-	-	-	-	-	-
13	Station equipment	362	-	None	-	-	-	-	-	-	-	-	-	-	-
14	Poles, towers and fixtures	364	-	None	-	-	-	-	-	-	-	-	-	-	-
15	OH conductors, devices	365	-	None	-	-	-	-	-	-	-	-	-	-	-
16	UG conduits	366	-	None	-	-	-	-	-	-	-	-	-	-	-
17	UG conductors, devices	367	-	None	-	-	-	-	-	-	-	-	-	-	-
18	Line transformers	368	-	None	-	-	-	-	-	-	-	-	-	-	-
19	Services	369	-	None	-	-	-	-	-	-	-	-	-	-	-
20	Meters	370	-	None	-	-	-	-	-	-	-	-	-	-	-
21	Installs customer premises	371	-	None	-	-	-	-	-	-	-	-	-	-	-
22	Street lighting, signals	373	-	None	-	-	-	-	-	-	-	-	-	-	-
23	346/363 -Solar / Battery Storage	374	-	None	-	-	-	-	-	-	-	-	-	-	-
24	Distribution Plant	360-373	-		-	-	-	-	-	-	-	-	-	-	-
25															
26	E. GENERAL PLANT														
27	General Plant	389	4,142	CBill-Lab	3,796	29	172	89	18	5	1	2	2	7	19
28	Common Plant	391	3,108	CBill-Lab	2,849	22	129	67	14	4	1	2	1	5	14
29	General Plant	389-399	7,250		6,646	51	302	156	32	10	2	4	3	12	33
30															
31	TOTAL UTILITY PLANT		7,250		6,646	51	302	156	32	10	2	4	3	12	33
32															

Exhibit_____ (E-RDP-3CU)
Schedule 7J
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Competitive Billing

Line	Account	No.	Balance	Allocator	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
33	II. DEPRECIATION RESERVE														
34	Franchises and consents	108.3	-	None	-	-	-	-	-	-	-	-	-	-	-
35	Transmission Plant	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
36	Land Rts, Subst, Struct	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
37	PTF / OH / UG	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
38	Line Transformers	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
39	Services	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
40	Meters	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
41	Lighting	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
42	Customer premises	108.5	-	None	-	-	-	-	-	-	-	-	-	-	-
43	General Plant	108.6	3,398	CBill-Lab	3,115	24	141	73	15	4	1	2	1	6	15
44	Depreciation Reserve	108	3,398		3,115	24	141	73	15	4	1	2	1	6	15
45															
46	III. OTHER RATE BASE ITEMS														
47	Other Reg Assets		-	None	-	-	-	-	-	-	-	-	-	-	-
48	Materials and Supplies		779	CBill-OpExp	714	6	32	17	4	1	0	0	0	1	4
49	Prepayments		(480)	CBill-OpExp	(440)	(3)	(20)	(10)	(2)	(1)	(0)	(0)	(0)	(1)	(2)
50	Other Net Plant		-	None	-	-	-	-	-	-	-	-	-	-	-
51	Cash Working Capital		2,132	CBill-OpExp	1,952	15	89	46	10	3	1	1	1	4	10
52	Cash Working Cap- Comm		-	None	-	-	-	-	-	-	-	-	-	-	-
53	Accumulated Deferred FIT		(1,053)	CBill-Lab	(965)	(7)	(44)	(23)	(5)	(1)	(0)	(1)	(0)	(2)	(5)
54	Non Interest Bearing CWIP		49	CBill-Lab	45	0	2	1	0	0	0	0	0	0	0
55	EBCap Adjustment		-	None	-	-	-	-	-	-	-	-	-	-	-
56	Other Rate Base	131-283	1,427		1,306	10	59	31	7	2	0	1	1	3	7
57															
58	TOTAL RATE BASE		5,279		4,837	37	220	114	24	7	2	3	2	9	24
59															

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Competitive Billing

Line	Account	No.	Balance	Allocator	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
60	I. OPERATING AND MAINTENANCE EXPENSES														
61	B. TRANSMISSION EXPENSE														
62	Transmission Expense		-	None	-	-	-	-	-	-	-	-	-	-	-
63	Transmission Expense		-		-	-	-	-	-	-	-	-	-	-	-
64															
65	C. DISTRIBUTION EXPENSE														
66	Purchased Power	555	-	None	-	-	-	-	-	-	-	-	-	-	-
67	Transmission O&M	580	-	None	-	-	-	-	-	-	-	-	-	-	-
68	Oper-Supervision & Eng	580	-	None	-	-	-	-	-	-	-	-	-	-	-
69	Oper-Load Dispatching	581	-	None	-	-	-	-	-	-	-	-	-	-	-
70	Oper-Substations	582	-	None	-	-	-	-	-	-	-	-	-	-	-
71	Oper-Overhead Lines	583	-	None	-	-	-	-	-	-	-	-	-	-	-
72	Oper-Underground Lines	584	-	None	-	-	-	-	-	-	-	-	-	-	-
73	Oper-Outdoor Lighting	585	-	None	-	-	-	-	-	-	-	-	-	-	-
74	Oper-Electric Meters	586	-	None	-	-	-	-	-	-	-	-	-	-	-
75	Oper-Customer Install.	587	-	None	-	-	-	-	-	-	-	-	-	-	-
76	Oper-Misc Expenses	588	-	None	-	-	-	-	-	-	-	-	-	-	-
77	Oper-Rents	589	-	None	-	-	-	-	-	-	-	-	-	-	-
78	Maint-Supervision & Eng	590	-	None	-	-	-	-	-	-	-	-	-	-	-
79	Maint-Structures	591	-	None	-	-	-	-	-	-	-	-	-	-	-
80	Maint-Substations	592	-	None	-	-	-	-	-	-	-	-	-	-	-
81	Maint-Overhead Lines	593	-	None	-	-	-	-	-	-	-	-	-	-	-
82	Maint-Underground Lines	594	-	None	-	-	-	-	-	-	-	-	-	-	-
83	Maint-Line Transformers	595	-	None	-	-	-	-	-	-	-	-	-	-	-
84	Maint-Outdoor Lighting	596	-	None	-	-	-	-	-	-	-	-	-	-	-
85	Maint-Electric Meters	597	-	None	-	-	-	-	-	-	-	-	-	-	-
86	Maint-Misc Distr Plant	599	-	None	-	-	-	-	-	-	-	-	-	-	-
87	Oper. & Maint. Exp.	500-599	-		-	-	-	-	-	-	-	-	-	-	-
88			-		-	-	-	-	-	-	-	-	-	-	-
89	D. CUSTOMER ACCOUNTS AND SERVICE														
90	Supervision	901	119	Acct903	109	1	5	3	1	0	0	0	0	0	1
91	Supervision- Collections	901Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
92	Supervision- Competitive	901Comp	403	Acct903	369	3	17	9	2	1	0	0	0	1	2
93	Meter Reading Exp- Comp	902Comp	-	Acct903	-	-	-	-	-	-	-	-	-	-	-
94	Cust Recs & Coll	903	-	None	-	-	-	-	-	-	-	-	-	-	-
95	Cust Recs & Coll- Coll	903Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
96	Cust Recs & Coll- Comp	903Comp	13,382	Acct903	12,266	95	557	287	59	18	4	7	5	22	61
97	Uncollectible- Delivery	904	30	Write-Offs-Del	29	0	1	1	0	0	0	0	0	0	-
98	Uncollectible- Comm	904Comm	-	None	-	-	-	-	-	-	-	-	-	-	-
99	Misc Cust Acct	905	-	None	-	-	-	-	-	-	-	-	-	-	-
100	Misc Cust Acct Coll	905Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
101	Misc Cust Acct- Comp	905Comp	1,502	Acct903	1,377	11	63	32	7	2	0	1	1	3	7
102	Customer Accts. Exp.	901-905	15,438		14,151	109	642	332	68	20	4	9	6	26	70
103															
104	Supervision	907	-	None	-	-	-	-	-	-	-	-	-	-	-

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Competitive Billing

Line	Account	No.	Balance	Allocator	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
105	Customer Assist	908	-	None	-	-	-	-	-	-	-	-	-	-	-
106	Low Inc Disc	908LI	-	None	-	-	-	-	-	-	-	-	-	-	-
107	SBC	08EDAd	-	None	-	-	-	-	-	-	-	-	-	-	-
107	Econ Dev	908Comp	-	Acct908	-	-	-	-	-	-	-	-	-	-	-
108	ETIP/DSM	908EE	-	Acct908	-	-	-	-	-	-	-	-	-	-	-
109	Customer Assistance	910	-	None	-	-	-	-	-	-	-	-	-	-	-
110	Customer Serv. Exp.		-		-	-	-	-	-	-	-	-	-	-	-
111	Customer Accts. & Serv. Exp.	901-919	15,438		14,151	109	642	332	68	20	4	9	6	26	70
112															

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Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Competitive Billing

Line	Account	No.	Balance	Allocator	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
113	E. ADMINISTRATIVE AND GENERAL														
114	A&G-Salaries	920	-	None	-	-	-	-	-	-	-	-	-	-	-
115	A&G-Salaries COMP	920Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
116	Major accounts	920Maj	-	None	-	-	-	-	-	-	-	-	-	-	-
117	A&G-Office Supp	921	-	None	-	-	-	-	-	-	-	-	-	-	-
118	A&G-Office Supp COLL	921Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
119	A&G-Office Supp COMP	921Comp	-	None	-	-	-	-	-	-	-	-	-	-	-
120	A&G-Outside Servi	923	-	None	-	-	-	-	-	-	-	-	-	-	-
121	A&G-Programs	923Prog	-	None	-	-	-	-	-	-	-	-	-	-	-
122	A&G-Business	923Bus	-	None	-	-	-	-	-	-	-	-	-	-	-
123	A&G-Outside Serv COLL	923Coll	-	None	-	-	-	-	-	-	-	-	-	-	-
124	A&G-Outside Serv COMP	923Comp	3	CBill-Lab	2	0	0	0	0	0	0	0	0	0	0
125	Property Insurance	924	2	Acct903	2	0	0	0	0	0	0	0	0	0	0
126	Injuries & Damages Insur	925	137	CBill-Lab	126	1	6	3	1	0	0	0	0	0	1
127	Empl Pensions & Bene	926	684	CBill-Lab	627	5	28	15	3	1	0	0	0	1	3
128	Regulatory Comm Expenses	928	-	None	-	-	-	-	-	-	-	-	-	-	-
129	A&G-Insti GW Adv	930110	-	None	-	-	-	-	-	-	-	-	-	-	-
130	A&G-Misc Expenses	930200	-	None	-	-	-	-	-	-	-	-	-	-	-
131	A&G-R&D	930210	-	None	-	-	-	-	-	-	-	-	-	-	-
132	A&G-Rents	931	39	Account931	24	0	2	5	3	1	0	1	0	2	1
133	A&G Maint-Gen Plant-Elec	935	30	CBill-Lab	27	0	1	1	0	0	0	0	0	0	0
134	Admin & Genl. Exp.	920-932	895		809	6	37	23	7	2	0	1	1	3	5
135	Total Operating Expenses		16,333		14,960	115	679	355	75	23	5	10	7	29	75
136															
137	II. DEPRECIATION EXPENSE														
138	Deprec exp- Tran	403Tx	-	None	-	-	-	-	-	-	-	-	-	-	-
139	Deprec exp- Struct/Station	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
140	Deprec exp- PTF/OH/UG	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
141	Deprec exp- Xfrmrs	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
142	Deprec exp- Services	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
143	Deprec exp- Meters	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
144	Deprec exp- SL	403Dx	-	None	-	-	-	-	-	-	-	-	-	-	-
145	Deprec exp- Genl	403Gx	231	CBill-Lab	212	2	10	5	1	0	0	0	0	0	1
146	Amort Other Reg Assets	407300	-	None	-	-	-	-	-	-	-	-	-	-	-
147	Depreciation Expense	403	231		212	2	10	5	1	0	0	0	0	0	1
148															

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Competitive Billing

Line	Account	No.	Balance	Allocator	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
149	III. TAXES and OTHER														
150	A. GENERAL TAXES														
151	Municipal property tax	408140	-	None	-	-	-	-	-	-	-	-	-	-	-
152	Payroll related	408110	254	CBill-Lab	233	2	11	5	1	0	0	0	0	0	1
153	Other tax	408170	0	Acct903	0	0	0	0	0	0	0	0	0	0	0
154	General Taxes		254		233	2	11	5	1	0	0	0	0	0	1
155															
156	B. FEDERAL / STATE INCOME TAXES														
157	Federal Income Tax Exp		(3)	CBill-PreTax	104	(0)	(0)	(37)	(30)	(10)	(2)	(6)	(3)	(11)	(8)
158	State Income Tax Exp		6	CBill-PreTax	(178)	1	0	63	52	18	3	10	6	19	15
159	Income Taxes	409-411	2		(74)	0	0	26	21	7	1	4	2	8	6
160	Total Taxes	408-411	257		159	2	11	32	23	8	1	4	3	8	7
161	Revenue taxes		-	None	-	-	-	-	-	-	-	-	-	-	-
162	TOTAL EXPENSES		16,821		15,330	119	700	391	99	31	6	14	10	38	83
163															
164	IV. OPERATING REVENUES at Present Rates														
165	Distribution revenue		19,493	Tot_DistRev	12,212	145	881	2,337	1,644	563	86	306	184	602	533
166	Revenue taxes		-	None	-	-	-	-	-	-	-	-	-	-	-
167	Commodity revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
168	CEF ETIP revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
169	Wholesale transmission		-	None	-	-	-	-	-	-	-	-	-	-	-
170	Late Payments charges		18	Write-Offs-Del	17	0	0	0	0	0	0	0	0	0	-
171	Pole attachments		-	None	-	-	-	-	-	-	-	-	-	-	-
172	DLM / Load Control		-	None	-	-	-	-	-	-	-	-	-	-	-
173	Large Customer Discounts		-	None	-	-	-	-	-	-	-	-	-	-	-
174	CSS Restablishment		-	None	-	-	-	-	-	-	-	-	-	-	-
175	Special L Revenue		-	None	-	-	-	-	-	-	-	-	-	-	-
174	Merchant Function Charge		-	None	-	-	-	-	-	-	-	-	-	-	-
176	Other Revenue		-	Total_RevReq	-	-	-	-	-	-	-	-	-	-	-
177	Billing credit		(2,514)	Customers	(2,235)	(8)	(175)	(73)	(5)	(1)	(0)	(0)	(0)	(0)	(16)
178	Operating Revenues		16,997		9,994	137	706	2,265	1,639	562	86	306	184	602	517
179															
180	TOTAL EXPENSES		16,821		15,330	119	700	391	99	31	6	14	10	38	83
181	V. NET INCOME at Present Rat		176		(5,336)	18	6	1,873	1,540	531	80	292	174	564	434
182															

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Class Allocation- Competitive Billing

Line	Account	No.	Balance	Allocator	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
183	SUMMARY REPORT														
184	Utility Revenues	440-446	19,493		12,212	145	881	2,337	1,644	563	86	306	184	602	533
185	Other Operating Revenues	450-456	(2,496)		(2,218)	(8)	(175)	(73)	(5)	(1)	(0)	(0)	(0)	(0)	(16)
186	Total Operating Revenues		16,997		9,994	137	706	2,265	1,639	562	86	306	184	602	517
187															
188	Distribution / Transmission	580-599	0		0	0	0	0	0	0	0	0	0	0	0
189	Customer Acctg & Service	901-919	15,438		14,151	109	642	332	68	20	4	9	6	26	70
190	Admin & General	920-932	895		809	6	37	23	7	2	0	1	1	3	5
191	Total Operating Expenses		16,333		14,960	115	679	355	75	23	5	10	7	29	75
192															
193	Depreciation Expense	403	231		212	2	10	5	1	0	0	0	0	0	1
194	Taxes Other Than Income Tax /	408	254		233	2	11	5	1	0	0	0	0	0	1
195	Income before Income tax		179		(5,410)	18	6	1,899	1,562	538	81	296	177	572	440
196	Income Taxes	409-411	2		(74)	0	0	26	21	7	1	4	2	8	6
197	NET INCOME		176		(5,336)	18	6	1,873	1,540	531	80	292	174	564	434
198															
199	RATE BASE		5,279		4,837	37	220	114	24	7	2	3	2	9	24
200	Return on Rate Base		3.34%												
201															
202	REVENUE REQUIREMENTS														
203	Target Rate of Return		6.3100%		6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%	6.3100%
204	Rate Base		5,279		4,837	37	220	114	24	7	2	3	2	9	24
205															
206	Operating expenses		16,302		14,931	115	679	354	75	23	5	10	7	29	75
207	Uncollectibles- Delivery		32	Write-Offs-Del	30	0	1	1	0	0	0	0	0	0	0
208	Depreciation expense		231		212	2	10	5	1	0	0	0	0	0	1
209	General taxes / Other		254		233	2	11	5	1	0	0	0	0	0	1
210	Subtotal- Operating Costs to rec		16,820		15,406	119	700	365	77	23	5	10	7	30	77
211															
212	Target Return on Rate Base- Aft		333		305	2	14	7	1	0	0	0	0	1	2
213	Income taxes to recover		25		23	0	1	1	0	0	0	0	0	0	0
214				7.56%											
215	Subtotal- Rev Req before GRT		17,179		15,735	121	714	373	79	24	5	10	7	30	79
216	GRT needed		0	0.00%	0	0	0	0	0	0	0	0	0	0	0
217	TOTAL REVENUE REQ.		17,179		15,735	121	714	373	79	24	5	10	7	30	79

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Electric Rate Design Panel

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Allocated (Embedded) Class Cost of Service Study

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Allocator Assignments

Line	Account	No.	Balance	Functional	Classification Trans-mission	Classification Total	Classification Total	Class Allocation TranDem	PrimDem	PrimCus	SecnDem	SecnCus
1	I. ELECTRIC PLANT IN SERVICE											
2	INTANGIBLE PLANT											
3	Organization	302	21,732	Plant-TD	Demand	PriDist	SecDist	1CP_Trans	NCP_Pri	PriC-DiPt	SecD-DiPt	SecC-DiPt
4	Intangible Plant		21,732									
5												
6	C. TRANSMISSION PLANT											
7	Transmission Plant	361	3,846,266	Tran	Demand	-	-	1CP_Trans	-	-	-	-
8	Transmission Plant	350-359	3,846,266									
9												
10	D. DISTRIBUTION PLANT											
11	Land and land rights	360	63,116	Stations	-	Demand	-	-	NCP_Pri	-	-	-
12	Structures and impr.	361	55,622	Stations	-	Demand	-	-	NCP_Pri	-	-	-
13	Station equipment	362	973,127	Stations	-	Demand	-	-	NCP_Pri	-	-	-
14	Poles, towers and fixtures	364	1,342,040	Func-364	-	Pri364	Sec364	-	NCP_Pri-PLCC	Cust-Pri	NCP_Sec-PLCC	Cust-Sec
15	OH conductors, devices	365	1,501,566	Func-365	-	Pri365	Sec365	-	NCP_Pri-PLCC	Cust-Pri	NCP_Sec-PLCC	Cust-Sec
16	UG conduits	366	266,245	Func-366	-	Pri366	Sec366	-	NCP_Pri-PLCC	Cust-Pri	NCP_Sec-PLCC	Cust-Sec
17	UG conductors, devices	367	790,738	Func-367	-	Pri367	Sec367	-	NCP_Pri-PLCC	Cust-Pri	NCP_Sec-PLCC	Cust-Sec
18	Line transformers	368	1,110,485	Sec	-	-	Sec368	-	-	-	Xfmr_Cost	-
19	Services	369	559,898	Sec	-	-	Customer	-	-	-	-	Services_Cost
20	Meters	370	196,422	Meters	-	-	-	-	-	-	-	-
21	Installs customer premises	371	14,643	Sec	-	-	Customer	-	-	-	-	Cust-Sec
22	Street lighting, signals	373	250,701	Sec	-	-	Customer	-	-	-	-	Lighting
23	346/363 -Solar / Battery Storage	374	10,879	Prim	-	Demand	-	-	NCP_Pri	-	-	-
24	Distribution Plant	360-373	7,135,482									
25												
26	E. GENERAL PLANT											
27	General Plant	389	341,060	Labor	Demand	PriLabor	SecLabor	1CP_Trans	PriD-Lab	PriC-Lab	SecD-Lab	SecC-Lab
28	Common Plant	391	255,964	Labor	Demand	PriLabor	SecLabor	1CP_Trans	PriD-Lab	PriC-Lab	SecD-Lab	SecC-Lab
29	General Plant	389-399	597,024									
30												
31	TOTAL UTILITY PLANT		11,600,504									
32												

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Allocator Assignments

Line	Account	No.	Balance	Class Allocation				
				BillCus	ReglCus	COMPSup	COMPCol	COMPBil
1	I. ELECTRIC PLANT IN SERVICE							
2	INTANGIBLE PLANT							
3	Organization	302	21,732	Bill-DiPt	-	-	-	-
4	Intangible Plant		21,732					
5								
6	C. TRANSMISSION PLANT							
7	Transmission Plant	361	3,846,266	-	-	-	-	-
8	Transmission Plant	350-359	3,846,266					
9								
10	D. DISTRIBUTION PLANT							
11	Land and land rights	360	63,116	-	-	-	-	-
12	Structures and impr.	361	55,622	-	-	-	-	-
13	Station equipment	362	973,127	-	-	-	-	-
14	Poles, towers and fixtures	364	1,342,040	-	-	-	-	-
15	OH conductors, devices	365	1,501,566	-	-	-	-	-
16	UG conduits	366	266,245	-	-	-	-	-
17	UG conductors, devices	367	790,738	-	-	-	-	-
18	Line transformers	368	1,110,485	-	-	-	-	-
19	Services	369	559,898	-	-	-	-	-
20	Meters	370	196,422	Meters-Cost	-	-	-	-
21	Installs customer premises	371	14,643	-	-	-	-	-
22	Street lighting, signals	373	250,701	-	-	-	-	-
23	346/363 -Solar / Battery Storage	374	10,879	-	-	-	-	-
24	Distribution Plant	360-373	7,135,482					
25								
26	E. GENERAL PLANT							
27	General Plant	389	341,060	Bill-Lab	-	Sup-Lab	Coll-Lab	CBill-Lab
28	Common Plant	391	255,964	Bill-Lab	-	Sup-Lab	Coll-Lab	CBill-Lab
29	General Plant	389-399	597,024					
30								
31	TOTAL UTILITY PLANT		11,600,504					
32								

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022

Allocator Assignments

Line	Account	No.	Balance	Functional	Classification Trans-mission	Classification Total	Classification Total	Class Allocation TranDem	PrimDem	PrimCus	SecnDem	SecnCus
33	II. DEPRECIATION RESERVE											
34	Franchises and consents	108.3	6,558	Plant-TD	Demand	PriDist	SecDist	1CP_Trans	NCP_Pri	PriC-DiPt	SecD-DiPt	SecC-DiPt
35	Transmission Plant	108.5	705,320	Tran	Demand	-	-	1CP_Trans	-	-	-	-
36	Land Rts, Subst, Struct	108.5	241,701	Stations	-	Demand	-	-	NCP_Pri	-	-	-
37	PTF / OH / UG	108.5	1,341,410	PTF-OH-UG	-	Pri364-367	Sec364-367	-	NCP_Pri-PLCC	Cust-Pri	NCP_Sec-PLCC	Cust-Sec
38	Line Transformers	108.5	366,325	Sec	-	-	Sec368	-	-	-	Xfmr_Cost	-
39	Services	108.5	293,556	Sec	-	-	Customer	-	-	-	-	Services_Cost
40	Meters	108.5	39,365	Meters	-	-	-	-	-	-	-	-
41	Lighting	108.5	87,284	Sec	-	-	Customer	-	-	-	-	Lighting
42	Customer premises	108.5	8,635	Sec	-	-	Customer	-	-	-	-	Cust-Sec
43	General Plant	108.6	279,821	Labor	Demand	PriLabor	SecLabor	1CP_Trans	PriD-Lab	PriC-Lab	SecD-Lab	SecC-Lab
44	Depreciation Reserve	108	3,369,975									
45												
46	III. OTHER RATE BASE ITEMS											
47	Other Reg Assets		(142,835)	Regulatory	-	-	-	-	-	-	-	-
48	Materials and Supplies		42,050	OpExp_xPP	Demand	PriOpExp	SecOpExp	1CP_Trans	PriD-OpExp	PriC-OpExp	SecD-OpExp	SecC-OpExp
49	Prepayments		(25,898)	OpExp_xPP	Demand	PriOpExp	SecOpExp	1CP_Trans	PriD-OpExp	PriC-OpExp	SecD-OpExp	SecC-OpExp
50	Other Net Plant		0	-	-	-	-	-	-	-	-	-
51	Cash Working Capital		115,029	OpExp_xPP	Demand	PriOpExp	SecOpExp	1CP_Trans	PriD-OpExp	PriC-OpExp	SecD-OpExp	SecC-OpExp
52	Cash Working Cap- Comm		24,273	Comp-Sup	-	-	-	-	-	-	-	-
53	Accumulated Deferred FIT		(1,684,817)	Plant	Demand	PriPlant	SecPlant	1CP_Trans	PriD-PT	PriC-PT	SecD-PT	SecC-PT
54	Non Interest Bearing CWIP		77,741	Plant	Demand	PriPlant	SecPlant	1CP_Trans	PriD-PT	PriC-PT	SecD-PT	SecC-PT
55	EBCap Adjustment		(147,569)	RB_xComp	Demand	PriPlant	SecPlant	1CP_Trans	PriD-RB	PriC-RB	SecD-RB	SecC-RB
56	Other Rate Base	131-283	(1,742,026)									
57												
58	TOTAL RATE BASE		6,488,503									
59												

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022

				Allocator Assignments				
				Class Allocation				
Line	Account	No.	Balance	BillCus	ReglCus	COMPSup	COMPCol	COMPBil
33	II. DEPRECIATION RESERVE							
34	Franchises and consents	108.3	6,558	Bill-DiPt	-	-	-	-
35	Transmission Plant	108.5	705,320	-	-	-	-	-
36	Land Rts, Subst, Struct	108.5	241,701	-	-	-	-	-
37	PTF / OH / UG	108.5	1,341,410	-	-	-	-	-
38	Line Transformers	108.5	366,325	-	-	-	-	-
39	Services	108.5	293,556	-	-	-	-	-
40	Meters	108.5	39,365	Meters-Cost	-	-	-	-
41	Lighting	108.5	87,284	-	-	-	-	-
42	Customer premises	108.5	8,635	-	-	-	-	-
43	General Plant	108.6	279,821	Bill-Lab	-	Sup-Lab	Coll-Lab	CBill-Lab
44	Depreciation Reserve	108	3,369,975					
45								
46	III. OTHER RATE BASE ITEMS							
47	Other Reg Assets		(142,835)	-	RateBase	-	-	-
48	Materials and Supplies		42,050	Bill-OpExp	-	Sup-OpExp	Coll-OpExp	CBill-OpExp
49	Prepayments		(25,898)	Bill-OpExp	-	Sup-OpExp	Coll-OpExp	CBill-OpExp
50	Other Net Plant		0	-	-	-	-	-
51	Cash Working Capital		115,029	Bill-OpExp	-	Sup-OpExp	Coll-OpExp	CBill-OpExp
52	Cash Working Cap- Comm		24,273	-	-	MWh-Sales	-	-
53	Accumulated Deferred FIT		(1,684,817)	Bill-PT	-	Sup-Lab	Coll-Lab	CBill-Lab
54	Non Interest Bearing CWIP		77,741	Bill-PT	-	Sup-Lab	Coll-Lab	CBill-Lab
55	EBCap Adjustment		(147,569)	Bill-RB	-	-	-	-
56	Other Rate Base	131-283	(1,742,026)					
57								
58	TOTAL RATE BASE		6,488,503					
59								

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022

Allocator Assignments

Line	Account	No.	Balance	Functional	Classification Trans-mission	Classification Total	Classification Total	Class Allocation TranDem	PrimDem	PrimCus	SecnDem	SecnCus
60	I. OPERATING AND MAINTENANCE EXPENSES											
61	B. TRANSMISSION EXPENSE											
62	Transmission Expense											
63	Transmission Expense											
64												
65	C. DISTRIBUTION EXPENSE											
66	Purchased Power	555	570,529	Comp-Sup	-	-	-	-	-	-	-	-
67	Transmission O&M	580	96,343	Tran	Demand	-	-	1CP_Trans	-	-	-	-
68	Oper-Supervision & Eng	580	13,529	Dist-Lab	-	PriLabor	SecLabor	-	PriD-Lab	PriC-Lab	SecD-Lab	SecC-Lab
69	Oper-Load Dispatching	581	10,003	Prim	-	Demand	-	-	MWh-Pri	-	-	-
70	Oper-Substations	582	5,618	Stations	-	Demand	-	-	NCP_Pri	-	-	-
71	Oper-Overhead Lines	583	18,229	OH_Total	-	Pri_OH	Sec_OH	-	NCP_Pri-PLCC	Cust-Pri	NCP_Sec-PLCC	Cust-Sec
72	Oper-Underground Lines	584	8,542	UG_Total	-	Pri_UG	Sec_UG	-	NCP_Pri-PLCC	Cust-Pri	NCP_Sec-PLCC	Cust-Sec
73	Oper-Outdoor Lighting	585	1,164	Sec	-	-	Customer	-	-	-	-	Lighting
74	Oper-Electric Meters	586	12,097	MeterSvc	-	-	-	-	-	-	-	-
75	Oper-Customer Install.	587	6,696	MeterSvc	-	-	-	-	-	-	-	-
76	Oper-Misc Expenses	588	40,588	DistPT	-	PriPlant	SecPlant	-	PriD-PT	PriC-DiPT	SecD-PT	SecC-DiPT
77	Oper-Rents	589	528	Dist-Lab	-	PriLabor	SecLabor	-	PriD-Lab	PriC-Lab	SecD-Lab	SecC-Lab
78	Maint-Supervision & Eng	590	3,168	Dist-Lab	-	PriLabor	SecLabor	-	PriD-Lab	PriC-Lab	SecD-Lab	SecC-Lab
79	Maint-Structures	591	1,978	Stations	-	Demand	-	-	NCP_Pri	-	-	-
80	Maint-Substations	592	8,236	Stations	-	Demand	-	-	NCP_Pri	-	-	-
81	Maint-Overhead Lines	593	183,036	OH_Total	-	Pri_OH	Sec_OH	-	NCP_Pri-PLCC	Cust-Pri	NCP_Sec-PLCC	Cust-Sec
82	Maint-Underground Lines	594	11,150	UG_Total	-	Pri_UG	Sec_UG	-	NCP_Pri-PLCC	Cust-Pri	NCP_Sec-PLCC	Cust-Sec
83	Maint-Line Transformers	595	1,422	Sec	-	-	Sec368	-	-	-	Xfmr_Cost	-
84	Maint-Outdoor Lighting	596	5,302	Sec	-	-	Customer	-	-	-	-	Lighting
85	Maint-Electric Meters	597	695	MeterSvc	-	-	-	-	-	-	-	-
86	Maint-Misc Distr Plant	599	3,888	DistPT	-	PriPlant	SecPlant	-	PriD-PT	PriC-DiPT	SecD-PT	SecC-DiPT
87	Oper. & Maint. Exp.	500-599	1,002,741									
88												

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022

				Allocator Assignments				
				Class Allocation				
Line	Account	No.	Balance	BillCus	ReglCus	COMPSup	COMPCol	COMPBil
60	I. OPERATING AND MAINTENANCE EXPENSES							
61	B. TRANSMISSION EXPENSE							
62	Transmission Expense							
63	Transmission Expense							
64								
65	C. DISTRIBUTION EXPENSE							
66	Purchased Power	555	570,529	-	-	CommodityRev	-	-
67	Transmission O&M	580	96,343	-	-	-	-	-
68	Oper-Supervision & Eng	580	13,529	Bill-Lab	-	-	-	-
69	Oper-Load Dispatching	581	10,003	-	-	-	-	-
70	Oper-Substations	582	5,618	-	-	-	-	-
71	Oper-Overhead Lines	583	18,229	-	-	-	-	-
72	Oper-Underground Lines	584	8,542	-	-	-	-	-
73	Oper-Outdoor Lighting	585	1,164	-	-	-	-	-
74	Oper-Electric Meters	586	12,097	Meters-Cost	-	-	-	-
75	Oper-Customer Install.	587	6,696	Meters-Cost	-	-	-	-
76	Oper-Misc Expenses	588	40,588	Bill-Lab	-	-	-	-
77	Oper-Rents	589	528	Bill-Lab	-	-	-	-
78	Maint-Supervision & Eng	590	3,168	Bill-Lab	-	-	-	-
79	Maint-Structures	591	1,978	-	-	-	-	-
80	Maint-Substations	592	8,236	-	-	-	-	-
81	Maint-Overhead Lines	593	183,036	-	-	-	-	-
82	Maint-Underground Lines	594	11,150	-	-	-	-	-
83	Maint-Line Transformers	595	1,422	-	-	-	-	-
84	Maint-Outdoor Lighting	596	5,302	-	-	-	-	-
85	Maint-Electric Meters	597	695	Meters-Cost	-	-	-	-
86	Maint-Misc Distr Plant	599	3,888	Bill-Lab	-	-	-	-
87	Oper. & Maint. Exp.	500-599	1,002,741					
88								

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
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Allocator Assignments

Line	Account	No.	Balance	Functional	Classification Trans-mission	Classification Total	Classification Total	Class Allocation TranDem	PrimDem	PrimCus	SecnDem	SecnCus
89	D. CUSTOMER ACCOUNTS AND SERVICE											
90	Supervision	901	856	Lab-CustAcct	-	-	-	-	-	-	-	-
91	Supervision- Collections	901Coll	163	Coll	-	-	-	-	-	-	-	-
92	Supervision- Competitive	901Comp	1,259	Comp-901	-	-	-	-	-	-	-	-
93	Meter Reading Exp- Comp	902Comp	2,316	Bill	-	-	-	-	-	-	-	-
94	Cust Recs & Coll	903	10,591	Bill	-	-	-	-	-	-	-	-
95	Cust Recs & Coll- Coll	903Coll	5,339	Coll	-	-	-	-	-	-	-	-
96	Cust Recs & Coll- Comp	903Comp	22,325	Comp-903	-	-	-	-	-	-	-	-
97	Uncollectible- Delivery	904	23,110	RRPF_904Del	-	Pri_RB	Sec_RB	-	Write-Offs-Del	Write-Offs-Del	Write-Offs-Del	Write-Offs-Del
98	Uncollectible- Comm	904Comm	8,720	Comp-Sup	-	-	-	-	-	-	-	-
99	Misc Cust Acct	905	646	Bill	-	-	-	-	-	-	-	-
100	Misc Cust Acct Coll	905Coll	586	Coll	-	-	-	-	-	-	-	-
101	Misc Cust Acct- Comp	905Comp	4,659	Comp-905	-	-	-	-	-	-	-	-
102	Customer Accts. Exp.	901-905	80,570									
103												
104	Supervision	907	44	Bill	-	-	-	-	-	-	-	-
105	Customer Assist	908	25,425	Bill	-	-	-	-	-	-	-	-
106	Low Inc Disc	908LI	23,484	Bill	-	-	-	-	-	-	-	-
107	SBC	908EDAdv	155,047	Regulatory	-	-	-	-	-	-	-	-
107	Econ Dev	908Comp	11,000	Bill	-	-	-	-	-	-	-	-
108	ETIP/DSM	908EE	87,379	Regulatory	-	-	-	-	-	-	-	-
109	Customer Assistance	910	15,411	Bill	-	-	-	-	-	-	-	-
110			317,790									
111	Customer Accts. & Serv. Exp.	901-919	398,360									
112												

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022

				Allocator Assignments				
				Class Allocation				
Line	Account	No.	Balance	BillCus	ReglCus	COMPSup	COMPCol	COMPBil
89	D. CUSTOMER ACCOUNTS AND SERVICE							
90	Supervision	901	856	Bill-Cust-Lab	-	Acct903	Acct903	Acct903
91	Supervision- Collections	901Coll	163	Bill-Cust-Lab	-	-	Acct903	-
92	Supervision- Competitive	901Comp	1,259	Bill-Cust-Lab	-	-	-	Acct903
93	Meter Reading Exp- Comp	902Comp	2,316	Meters-Cost	-	-	-	-
94	Cust Recs & Coll	903	10,591	Acct903	-	-	-	-
95	Cust Recs & Coll- Coll	903Coll	5,339	Acct903	-	-	Acct903	-
96	Cust Recs & Coll- Comp	903Comp	22,325	Acct903	-	Acct903	-	Acct903
97	Uncollectible- Delivery	904	23,110	Write-Offs-Del	-	-	Write-Offs-Del	Write-Offs-Del
98	Uncollectible- Comm	904Comm	8,720	-	-	Write-Offs-Comm	-	-
99	Misc Cust Acct	905	646	Acct903	-	-	-	-
100	Misc Cust Acct Coll	905Coll	586	Acct903	-	-	Acct903	-
101	Misc Cust Acct- Comp	905Comp	4,659	Acct903	-	-	-	Acct903
102	Customer Accts. Exp.	901-905	80,570					
103								
104	Supervision	907	44	Acct908	-	-	-	-
105	Customer Assist	908	25,425	Acct908	-	-	-	-
106	Low Inc Disc	908LI	23,484	Total_RevReq	-	-	-	-
107	SBC	908EDAdv	155,047	-	SBC_Rev	-	-	-
107	Econ Dev	908Comp	11,000	Total_RevReq	-	-	-	-
108	ETIP/DSM	908EE	87,379	-	ETIP	-	-	-
109	Customer Assistance	910	15,411	Customers	-	-	-	-
110			317,790					
111	Customer Accts. & Serv. Exp.	901-919	398,360					
112								

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
Allocator Assignments

Line	Account	No.	Balance	Functional	Classification Trans-mission	Classification Total	Classification Total	Class Allocation TranDem	PrimDem	PrimCus	SecnDem	SecnCus
113	E. ADMINISTRATIVE AND GENERAL											
114	A&G-Salaries	920	70,807	Labor_xC	Demand	PriLabor	SecLabor	1CP_Trans	PriD-Lab	PriC-Lab	SecD-Lab	SecC-Lab
115	A&G-Salaries COMP	920Comp	821	Comp-920	-	-	-	-	-	-	-	-
116	Major accounts	920Maj	346	Bill	-	-	-	-	-	-	-	-
117	A&G-Office Supp	921	40,878	Labor_xC	Demand	PriLabor	SecLabor	1CP_Trans	PriD-Lab	PriC-Lab	SecD-Lab	SecC-Lab
118	A&G-Office Supp COLL	921Coll	19	Coll	-	-	-	-	-	-	-	-
119	A&G-Office Supp COMP	921Comp	53	Comp-921	-	-	-	-	-	-	-	-
120	A&G-Outside Servi	923	63,265	Labor_xC	Demand	PriLabor	SecLabor	1CP_Trans	PriD-Lab	PriC-Lab	SecD-Lab	SecC-Lab
121	A&G-Programs	923Prog	0	-	-	-	-	-	-	-	-	-
122	A&G-Business	923Bus	0	-	-	-	-	-	-	-	-	-
123	A&G-Outside Serv COLL	923Coll	42	Coll	-	-	-	-	-	-	-	-
124	A&G-Outside Serv COMP	923Comp	381	Comp-923	-	-	-	-	-	-	-	-
125	Property Insurance	924	3,987	Plant	Demand	PriPlant	SecPlant	1CP_Trans	PriD-PT	PriC-PT	SecD-PT	SecC-PT
126	Injuries & Damages Insur	925	11,298	Labor	Demand	PriLabor	SecLabor	1CP_Trans	PriD-Lab	PriC-Lab	SecD-Lab	SecC-Lab
127	Empl Pensions & Bene	926	56,327	Labor	Demand	PriLabor	SecLabor	1CP_Trans	PriD-Lab	PriC-Lab	SecD-Lab	SecC-Lab
128	Regulatory Comm Expenses	928	9,731	Bill	-	-	-	-	-	-	-	-
129	A&G-Insti GW Adv	930,110	615	RB_xComp	Demand	Pri_RB	Sec_RB	1CP_Trans	PriD-PT	PriC-RB	SecD-RB	SecC-RB
130	A&G-Misc Expenses	930,200	40,584	Regulatory	-	-	-	-	-	-	-	-
131	A&G-R&D	930,210	0	-	-	-	-	-	-	-	-	-
132	A&G-Rents	931	62,292	Plant	Demand	PriPlant	SecPlant	Account931	Account931	Account931	Account931	Account931
133	A&G Maint-Gen Plant-Elec	935	2,469	Labor	Demand	PriLabor	SecLabor	1CP_Trans	PriD-Lab	PriC-Lab	SecD-Lab	SecC-Lab
134	Admin & Genl. Exp.	920-932	363,915									
135	Total Operating Expenses		1,765,016									
136												
137	II. DEPRECIATION EXPENSE											
138	Deprec exp- Tran	403Tx	82,096	Tran	Demand	-	-	1CP_Trans	-	-	-	-
139	Deprec exp- Struct/Station	403Dx	25,012	Stations	-	Demand	-	-	NCP_Pri	-	-	-
140	Deprec exp- PTF/OH/UG	403Dx	78,798	PTF-OH-UG	-	Pri364-367	Sec364-367	-	NCP_Pri-PLCC	Cust-Pri	NCP_Sec-PLCC	Cust-Sec
141	Deprec exp- Xfrmrs	403Dx	32,234	Sec	-	-	Sec368	-	-	-	Xfmr_Cost	-
142	Deprec exp- Services	403Dx	11,311	Sec	-	-	Customer	-	-	-	-	Services_Cost
143	Deprec exp- Meters	403Dx	28,258	Meters	-	-	-	-	-	-	-	-
144	Deprec exp- SL	403Dx	9,893	Sec	-	-	Customer	-	-	-	-	Lighting
145	Deprec exp- Genl	403Gx	19,052	Labor	Demand	PriLabor	SecLabor	1CP_Trans	PriD-Lab	PriC-Lab	SecD-Lab	SecC-Lab
146	Amort Other Reg Assets	407,300	3,677	Regulatory	-	-	-	-	-	-	-	-
147	Depreciation Expense	403	290,331									
148												

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
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				Allocator Assignments				
				Class Allocation				
Line	Account	No.	Balance	BillCus	ReglCus	COMPSup	COMPCol	COMPBil
113	E. ADMINISTRATIVE AND GENERAL							
114	A&G-Salaries	920	70,807	Bill-Lab	-	-	-	-
115	A&G-Salaries COMP	920Comp	821	-	-	Sup-Lab	-	-
116	Major accounts	920Maj	346	Customers-CI	-	-	-	-
117	A&G-Office Supp	921	40,878	Bill-Lab	-	-	-	-
118	A&G-Office Supp COLL	921Coll	19	Bill-Lab	-	-	Coll-Lab	-
119	A&G-Office Supp COMP	921Comp	53	-	-	Sup-Lab	-	-
120	A&G-Outside Servi	923	63,265	Bill-Lab	-	-	-	-
121	A&G-Programs	923Prog	0	-	-	-	-	-
122	A&G-Business	923Bus	0	-	-	-	-	-
123	A&G-Outside Serv COLL	923Coll	42	Bill-Lab	-	-	Coll-Lab	-
124	A&G-Outside Serv COMP	923Comp	381	Bill-Lab	-	Sup-Lab	-	CBill-Lab
125	Property Insurance	924	3,987	Bill-PT	-	-	Acct903	Acct903
126	Injuries & Damages Insur	925	11,298	Bill-Lab	-	Sup-Lab	Coll-Lab	CBill-Lab
127	Empl Pensions & Bene	926	56,327	Bill-Lab	-	Sup-Lab	Coll-Lab	CBill-Lab
128	Regulatory Comm Expenses	928	9,731	RateBase	-	-	-	-
129	A&G-Insti GW Adv	930,110	615	Bill-RB	-	-	-	-
130	A&G-Misc Expenses	930,200	40,584	-	RateBase	-	-	-
131	A&G-R&D	930,210	0	-	-	-	-	-
132	A&G-Rents	931	62,292	Account931	-	Account931	Account931	Account931
133	A&G Maint-Gen Plant-Elec	935	2,469	Bill-Lab	-	Sup-Lab	Coll-Lab	CBill-Lab
134	Admin & Genl. Exp.	920-932	363,915					
135	Total Operating Expenses		1,765,016					
136								
137	II. DEPRECIATION EXPENSE							
138	Deprec exp- Tran	403Tx	82,096	-	-	-	-	-
139	Deprec exp- Struct/Station	403Dx	25,012	-	-	-	-	-
140	Deprec exp- PTF/OH/UG	403Dx	78,798	-	-	-	-	-
141	Deprec exp- Xfrmrs	403Dx	32,234	-	-	-	-	-
142	Deprec exp- Services	403Dx	11,311	-	-	-	-	-
143	Deprec exp- Meters	403Dx	28,258	Meters-Cost	-	-	-	-
144	Deprec exp- SL	403Dx	9,893	-	-	-	-	-
145	Deprec exp- Genl	403Gx	19,052	Bill-Lab	-	Sup-Lab	Coll-Lab	CBill-Lab
146	Amort Other Reg Assets	407,300	3,677	-	RateBase	-	-	-
147	Depreciation Expense	403	290,331					
148								

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Allocator Assignments

Line	Account	No.	Balance	Functional	Classification Trans-mission	Classification Total	Classification Total	Class Allocation TranDem	PrimDem	PrimCus	SecnDem	SecnCus
149	III. TAXES and OTHER											
150	A. GENERAL TAXES											
151	Municipal property tax	408,140	213,016	Plant-TD-Tax	Demand	PriPt-Tax	SecPt-Tax	1CP_Trans	PriD-PT-Tax	PriC-PT-Tax	SecD-PT-Tax	SecC-PT-Tax
152	Payroll related	408,110	20,925	Labor	Demand	PriLabor	SecLabor	1CP_Trans	PriD-Lab	PriC-Lab	SecD-Lab	SecC-Lab
153	Other tax	408,170	229	Plant	Demand	PriPlant	SecPlant	1CP_Trans	PriD-PT	PriC-PT	SecD-PT	SecC-PT
154	General Taxes		234,170									
155												
156	B. FEDERAL / STATE INCOME TAXES											
157	Federal Income Tax Exp		(6,543)	PreTax	Demand	PriPretax	SecPretax	Tran_PreTax	PriD-Pretax	PriC-Pretax	SecD-Pretax	SecC-Pretax
158	State Income Tax Exp		11,207	PreTax	Demand	PriPretax	SecPretax	Tran_PreTax	PriD-Pretax	PriC-Pretax	SecD-Pretax	SecC-Pretax
159	Income Taxes	409-411	4,664									
160	Total Taxes	408-411	238,834									
161	Revenue taxes											
162	TOTAL EXPENSES		2,294,181									
163												
164	IV. OPERATING REVENUES at Present Rates											
165	Distribution revenue		1,589,433	RevReqPF	Demand	Pri_RB	Sec_RB	Tot_DistRev	Tot_DistRev	Tot_DistRev	Tot_DistRev	Tot_DistRev
166	Revenue taxes		0	-	-	-	-	-	-	-	-	-
167	Commodity revenue		570,529	Comp-Sup	-	-	-	-	-	-	-	-
168	CEF ETIP revenue		155,047	Regulatory	-	-	-	-	-	-	-	-
169	Wholesale transmission		216,182	Tran	Demand	-	-	1CP_Trans	-	-	-	-
170	Late Payments charges		13,553	RRPF_904Del	-	Pri_RevReqPF	Sec_RevReqPF	-	Write-Offs-Del	Write-Offs-Del	Write-Offs-Del	Write-Offs-Del
171	Pole attachments		17,967	Func-364	-	Pri364	Sec364	-	NCP_Pri-PLCC	Cust-Pri	NCP_Sec-PLCC	Cust-Sec
172	DLM / Load Control		3,392	Labor_xC	Demand	PriLabor	SecLabor	1CP_Trans	PriD-Lab	PriC-Lab	SecD-Lab	SecC-Lab
173	Large Customer Discounts		(2,423)	Bill	-	-	-	-	-	-	-	-
174	CSS Restablishment		2,542	Bill	-	-	-	-	-	-	-	-
175	Special L Revenue		1,154	Sec	-	-	Customer	-	-	-	-	Customers-SC3
174	Merchant Function Charge		17,744	Comp-Sup	-	-	-	-	-	-	-	-
176	Other Revenue		46,698	Bill	-	-	-	-	-	-	-	-
177	Billing credit		(2,514)	Comp-Bill	-	-	-	-	-	-	-	-
178	Operating Revenues		2,629,304									
179												
180	TOTAL EXPENSES		2,294,181									
181	V. NET INCOME at Present Rates		335,123									

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Niagara Mohawk Power Corporation d/b/a National Grid
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Rate Year Ending June 30, 2022

				Allocator Assignments				
				Class Allocation				
Line	Account	No.	Balance	BillCus	ReglCus	COMPSup	COMPCol	COMPBil
149	III. TAXES and OTHER							
150	A. GENERAL TAXES							
151	Municipal property tax	408,140	213,016	-	-	-	-	-
152	Payroll related	408,110	20,925	Bill-Lab	-	Sup-Lab	Coll-Lab	CBill-Lab
153	Other tax	408,170	229	Bill-PT	-	-	-	Acct903
154	General Taxes		234,170					
155								
156	B. FEDERAL / STATE INCOME TAXES							
157	Federal Income Tax Exp		(6,543)	Bill-Pretax	Reg-PreTax	Sup-PreTax	Coll-PreTax	CBill-PreTax
158	State Income Tax Exp		11,207	Bill-Pretax	Reg-PreTax	Sup-PreTax	Coll-PreTax	CBill-PreTax
159	Income Taxes	409-411	4,664					
160	Total Taxes	408-411	238,834					
161	Revenue taxes							
162	TOTAL EXPENSES		2,294,181					
163								
164	IV. OPERATING REVENUES at Present Rates							
165	Distribution revenue		1,589,433	Tot_DistRev	Tot_DistRev	-	Tot_DistRev	Tot_DistRev
166	Revenue taxes		0	-	-	-	-	-
167	Commodity revenue		570,529	-	-	CommodityRev	-	-
168	CEF ETIP revenue		155,047	-	SBC_Rev	-	-	-
169	Wholesale transmission		216,182	-	-	-	-	-
170	Late Payments charges		13,553	Write-Offs-Del	-	-	Write-Offs-Del	Write-Offs-Del
171	Pole attachments		17,967	-	-	-	-	-
172	DLM / Load Control		3,392	Bill-Lab	-	-	-	-
173	Large Customer Discounts		(2,423)	Total_RevReq	-	-	-	-
174	CSS Restablishment		2,542	Customers	-	-	-	-
175	Special L Revenue		1,154	-	-	-	-	-
174	Merchant Function Charge		17,744	-	-	MFC_Rev	-	-
176	Other Revenue		46,698	Total_RevReq	-	-	-	-
177	Billing credit		(2,514)	-	-	-	-	Customers
178	Operating Revenues		2,629,304					
179								
180	TOTAL EXPENSES		2,294,181					
181	V. NET INCOME at Present Rates		335,123					

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Electric Rate Design Panel

Exhibit __ (E-RDP-3CU)

Allocated (Embedded) Class Cost of Service Study

Schedule 8B

Functionalization Factors

FuncFctr
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Functionalization Factors

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022

Functionalization Factors

0	Allocator Name	Total	Trans-mission	Primary Dist	Secondary Dist	Billing	Regulatory	Comp Supply	Comp Collection	Comp Billing
1	None	0								
2		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3										
4	Tran	1	1							
5		100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
6										
7	Prim	1		1						
8		100.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
9										
10	Sec	1			1					
11		100.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%
12										
13	Bill	1				1				
14		100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%
15										
16	Stations	1		1						
17		100.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
18										
19	Regulatory	1					1			
20		100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%
21										
22	Comp-Sup	1						1		
23		100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%
24										
25	Comp-Bill	1								1
26		100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
27										
28	MeterSvc	646,176,851				646,176,851				
29		100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%
30										
31	MeterData	0								
32		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
33										
34	Coll	100.00%				38.97%			61.03%	
35		100.00%	0.00%	0.00%	0.00%	38.97%	0.00%	0.00%	61.03%	0.00%
36										
37	Uncoll	100.00%				72.60%			27.40%	
38		100.00%	0.00%	0.00%	0.00%	72.60%	0.00%	0.00%	27.40%	0.00%
39										
40	Func-364	1	-	1	0	-	-	-	-	-
41		100.00%	0.00%	61.98%	38.02%	0.00%	0.00%	0.00%	0.00%	0.00%
42										

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022

Functionalization Factors

0	Allocator Name	Total	Trans-mission	Primary Dist	Secondary Dist	Billing	Regulatory	Comp Supply	Comp Collection	Comp Billing
43	Func-365	1	-	1	0	-	-	-	-	-
44		100.00%	0.00%	97.69%	2.31%	0.00%	0.00%	0.00%	0.00%	0.00%
45										
46	Func-366	1	-	1	0	-	-	-	-	-
47		100.00%	0.00%	57.64%	42.36%	0.00%	0.00%	0.00%	0.00%	0.00%
48										
49	Func-367	1	-	1	0	-	-	-	-	-
50		100.00%	0.00%	97.22%	2.78%	0.00%	0.00%	0.00%	0.00%	0.00%
51										
52	Meters	646,176,851	-	-	-	646,176,851	-	-	-	-
53		100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%
54										
55	Comp-569	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
56		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
57										
58	Comp-901	100.00%	0.00%	0.00%	0.00%	67.99%	0.00%	0.00%	0.00%	32.01%
59		100.00%	0.00%	0.00%	0.00%	67.99%	0.00%	0.00%	0.00%	32.01%
60										
61	Comp-902	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
62		100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
63										
64	Comp-903	100.00%	0.00%	0.00%	0.00%	39.44%	0.00%	0.62%	0.00%	59.94%
65		100.00%	0.00%	0.00%	0.00%	39.44%	0.00%	0.62%	0.00%	59.94%
66										
67	Comp-905	100.00%	0.00%	0.00%	0.00%	67.76%	0.00%	0.00%	0.00%	32.24%
68		100.00%	0.00%	0.00%	0.00%	67.76%	0.00%	0.00%	0.00%	32.24%
69										
70	Comp-908	100.00%	0.00%	0.00%	0.00%	99.00%	0.00%	0.24%	0.00%	0.77%
71		100.00%	0.00%	0.00%	0.00%	99.00%	0.00%	0.24%	0.00%	0.77%
72										
73	Comp-920	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%
74		100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%
75										
76	Comp-921	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%
77		100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%
78										
79	Comp-923	100.00%	0.00%	0.00%	0.00%	92.17%	0.00%	7.12%	0.00%	0.71%
80		100.00%	0.00%	0.00%	0.00%	92.17%	0.00%	7.12%	0.00%	0.71%
81										
82	Comp-926	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
83		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
84										

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022

Functionalization Factors

0	Allocator Name	Total	Trans-mission	Primary Dist	Secondary Dist	Billing	Regulatory	Comp Supply	Comp Collection	Comp Billing
85	Comp-930.2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
86		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
87										
88	DistPt	7,135,482	-	4,323,665	2,615,395	196,422				
89		100.00%	0.00%	60.59%	36.65%	2.75%	0.00%	0.00%	0.00%	0.00%
90										
91	Plant	11,600,504	3,928,807	4,601,457	2,702,547	357,463	-	32	2,947	7,250
92		100.00%	33.87%	39.67%	23.30%	3.08%	0.00%	0.00%	0.03%	0.06%
93										
94	Plant-TD	10,981,748	3,846,266	4,323,665	2,615,395	196,422				
95		100.00%	35.02%	39.37%	23.82%	1.79%	0.00%	0.00%	0.00%	0.00%
96										
97	Plant-TD-Tax	10,199,906	3,846,266	4,312,786	2,040,854	-				
98		100.00%	37.71%	42.28%	20.01%	0.00%	0.00%	0.00%	0.00%	0.00%
99										
100	PTF-OH-UG	3,900,589	-	3,220,921	679,668	-	-	-	-	-
101		100.00%	0.00%	82.58%	17.42%	0.00%	0.00%	0.00%	0.00%	0.00%
102										
103	OH_Total	2,843,606	-	2,298,660	544,946	-	-	-	-	-
104		100.00%	0.00%	80.84%	19.16%	0.00%	0.00%	0.00%	0.00%	0.00%
105										
106	UG_Total	1,056,983	-	922,261	134,722	-	-	-	-	-
107		100.00%	0.00%	87.25%	12.75%	0.00%	0.00%	0.00%	0.00%	0.00%
108										
109	RateBase	6,488,503	2,605,921	2,487,348	1,287,412	219,157	(142,835)	24,441	1,779	5,279
110		100.00%	40.16%	38.33%	19.84%	3.38%	-2.20%	0.38%	0.03%	0.08%
111										
112	RB_xTx_xCom	3,858,140		2,487,348	1,287,412	219,157	(142,835)		1,779	5,279
113		100.00%	0.00%	64.47%	33.37%	5.68%	-3.70%	0.00%	0.05%	0.14%
114										
115	RB_xComp	6,599,839	2,605,921	2,487,348	1,287,412	219,157				
116		100.00%	39.48%	37.69%	19.51%	3.32%	0.00%	0.00%	0.00%	0.00%
117										
118	Labor	235,370	29,540	106,143	32,318	63,335	-	13	1,162	2,858
119		100.00%	12.55%	45.10%	13.73%	26.91%	0.00%	0.01%	0.49%	1.21%
120										
121	Dist-Lab	118,736	-	82,180	20,092	16,464	-	-	-	-
122		100.00%	0.00%	69.21%	16.92%	13.87%	0.00%	0.00%	0.00%	0.00%
123										
124	Dist-Lab-Di	102,272	-	82,180	20,092					
125		100.00%	0.00%	80.35%	19.65%	0.00%	0.00%	0.00%	0.00%	0.00%
126										

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022

Functionalization Factors

0	Allocator Name	Total	Trans-mission	Primary Dist	Secondary Dist	Billing	Regulatory	Comp Supply	Comp Collection	Comp Billing
127	Lab-CustAcct	17,517	-	-	-	14,020	-	12	1,043	2,441
128		100.00%	0.00%	0.00%	0.00%	80.04%	0.00%	0.07%	5.95%	13.94%
129										
130	Labor_xC	231,337	29,540	106,143	32,318	63,335				
131		100.00%	12.77%	45.88%	13.97%	27.38%	0.00%	0.00%	0.00%	0.00%
132										
133	OpExp_xPP	879,647	150,170	382,986	117,811	207,167		1,044	4,167	16,302
134		100.00%	17.07%	43.54%	13.39%	23.55%	0.00%	0.12%	0.47%	1.85%
135										
136	OpExp_xPPxC	858,134	150,170	382,986	117,811	207,167				
137		100.00%	17.50%	44.63%	13.73%	24.14%	0.00%	0.00%	0.00%	0.00%
138										
139	RevReqPF	1,597,258	237,491	705,515	295,584	210,482	124,136		4,461	19,589
140		100.00%	14.87%	44.17%	18.51%	13.18%	7.77%	0.00%	0.28%	1.23%
141										
142	RRPFxTxC	1,211,581		705,515	295,584	210,482				
143		100.00%	0.00%	58.23%	24.40%	17.37%	0.00%	0.00%	0.00%	0.00%
144										
145	RRPF_904Del	4,000,975		2,487,348	1,287,412	219,157			1,779	5,279
146		100.00%	0.00%	62.17%	32.18%	5.48%	0.00%	0.00%	0.04%	0.13%
147										
148	Pretax	339,787	135,256	127,556	66,375	10,484	(8,112)	7,978	71	179
149		100.00%	39.81%	37.54%	19.53%	3.09%	-2.39%	2.35%	0.02%	0.05%
150										

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Electric Rate Design Panel

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Allocated (Embedded) Class Cost of Service Study

Schedule 8C

Classification Factors

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Classification Factors

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022

Classification Factors

0	Allocator Name	Total	Demand	Commodity	Customer
1	None	0			
2		0.00%	0.00%	0.00%	0.00%
3					
4	Demand	1	1		
5		100.00%	100.00%	0.00%	0.00%
6					
7	Commodity	1		1	
8		100.00%	0.00%	100.00%	0.00%
9					
10	Customer	1			1
11		100.00%	0.00%	0.00%	100.00%
12					
13	Pri364	1	10.39%	0.00%	89.61%
14		100.00%	10.39%	0.00%	89.61%
15					
16	Pri365	100.00%	10.39%	0.00%	89.61%
17		100.00%	10.39%	0.00%	89.61%
18					
19	Pri366	100.00%	45.60%	0.00%	54.40%
20		100.00%	45.60%	0.00%	54.40%
21					
22	Pri367	100.00%	45.60%	0.00%	54.40%
23		100.00%	45.60%	0.00%	54.40%
24					
25	Pri368	100.00%	100.00%	0.00%	0.00%
26		100.00%	100.00%	0.00%	0.00%
27					
28	Sec364	100.00%	1.60%	0.00%	98.40%
29		100.00%	1.60%	0.00%	98.40%
30					
31	Sec365	100.00%	1.60%	0.00%	98.40%
32		100.00%	1.60%	0.00%	98.40%
33					
34	Sec366	100.00%	86.92%	0.00%	13.08%
35		100.00%	86.92%	0.00%	13.08%
36					

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022

Classification Factors

0	Allocator Name	Total	Demand	Commodity	Customer
37	Sec367	100.00%	86.92%	0.00%	13.08%
38		100.00%	86.92%	0.00%	13.08%
39					
40	Sec368	100.00%	100.00%	0.00%	0.00%
41		100.00%	100.00%	0.00%	0.00%
42					
43	Pri_OH	2,298,660	238,912	-	2,059,748
44		100.00%	10.39%	0.00%	89.61%
45					
46	Pri_UG	922,261	420,523	-	501,738
47		100.00%	45.60%	0.00%	54.40%
48					
49	PriPlant	4,601,457	1,856,658	-	2,744,799
50		100.00%	40.35%	0.00%	59.65%
51					
52	PriPt-Tax	4,312,786	1,751,300	-	2,561,486
53		100.00%	40.61%	0.00%	59.39%
54					
55	PriDist	4,323,665	1,762,179	-	2,561,486
56		100.00%	40.76%	0.00%	59.24%
57					
58	Pri364-367	3,220,921	659,435	-	2,561,486
59		100.00%	20.47%	0.00%	79.53%
60					
61	Pri_RB	2,487,348	1,081,826	-	1,405,522
62		100.00%	43.49%	0.00%	56.51%
63					
64	PriLabor	106,143	35,872	-	70,271
65		100.00%	33.80%	0.00%	66.20%
66					
67	PriOpExp	382,986	114,003	-	268,984
68		100.00%	29.77%	0.00%	70.23%
69					
70	Pri_RevReqPF	705,515	254,437	-	451,078
71		100.00%	36.06%	0.00%	63.94%
72					

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Classification Factors

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022

Classification Factors

0	Allocator Name	Total	Demand	Commodity	Customer
73	PriPretax	127,556	108,781	-	18,775
74		100.00%	85.28%	0.00%	14.72%
75					
76	Sec_OH	544,946	8,709	-	536,236
77		100.00%	1.60%	0.00%	98.40%
78					
79	Sec_UG	134,722	117,099	-	17,624
80		100.00%	86.92%	0.00%	13.08%
81					
82	SecPlant	2,702,547	1,256,434	-	1,446,113
83		100.00%	46.49%	0.00%	53.51%
84					
85	SecPt-Tax	2,040,854	1,236,293	-	804,561
86		100.00%	60.58%	0.00%	39.42%
87					
85	SecDist	2,615,395	1,236,293	-	1,379,102
88		100.00%	47.27%	0.00%	52.73%
89					
90	Sec364-367	679,668	125,808	-	553,860
91		100.00%	18.51%	0.00%	81.49%
92					
93	Sec_RB	1,287,412	654,399	-	633,013
94		100.00%	50.83%	0.00%	49.17%
95					
96	SecLabor	32,318	6,976	-	25,342
97		100.00%	21.59%	0.00%	78.41%
98					
99	SecOpExp	117,811	27,021	-	90,790
100		100.00%	22.94%	0.00%	77.06%
101					
102	Sec_RevReqPF	295,584	125,311	-	170,273
103		100.00%	42.39%	0.00%	57.61%
104					
105	SecPretax	66,375	58,966	-	7,409
106		100.00%	88.84%	0.00%	11.16%
107					

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Electric Rate Design Panel

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Allocated (Embedded) Class Cost of Service Study

Schedule 8D

Class Allocation Factors

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Class Allocation Factors

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022

Class Allocation Factors

0	Allocator Name	Total	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	None	-											
2		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3													
4	MWh-Meter	32,194,521	11,190,776	283,235	621,729	3,845,253	3,955,765	1,843,952	705,886	966,522	1,584,597	7,011,351	185,454
5		100.00%	34.76%	0.88%	1.93%	11.94%	12.29%	5.73%	2.19%	3.00%	4.92%	21.78%	0.58%
6													
7	MWh-Gen	34,299,054	12,125,957	306,904	673,685	4,164,757	4,286,338	1,956,950	735,992	1,029,745	1,658,483	7,159,291	200,952
8		100.00%	35.35%	0.89%	1.96%	12.14%	12.50%	5.71%	2.15%	3.00%	4.84%	20.87%	0.59%
9													
10	MWh-Sales	14,114,974	9,698,859	148,090	425,767	1,661,051	733,634	220,805	120,865	57,081	64,607	906,841	77,373
11		100.00%	68.71%	1.05%	3.02%	11.77%	5.20%	1.56%	0.86%	0.40%	0.46%	6.42%	0.55%
12													
13	MWh-Pri	24,544,336	12,125,957	306,904	673,685	4,164,757	4,286,338	1,956,950	-	1,029,745	-	-	-
14		100.00%	49.40%	1.25%	2.74%	16.97%	17.46%	7.97%	0.00%	4.20%	0.00%	0.00%	0.00%
15													
16	1CP_Trans	5,842	2,499	49	153	800	724	293	104	144	224	851	1
17		100.00%	42.78%	0.84%	2.62%	13.69%	12.39%	5.02%	1.79%	2.46%	3.83%	14.57%	0.02%
18													
19	NCP_Pri	5,160	2,784	57	162	836	795	319	-	158	-	-	50
20		100.00%	53.96%	1.11%	3.13%	16.20%	15.42%	6.18%	0.00%	3.06%	0.00%	0.00%	0.96%
21													
22	NCP_Pri-PLCC	2,108				836	795	319	-	158	-	0	
23		100.00%	0.00%	0.00%	0.00%	39.66%	37.74%	15.12%	0.00%	7.48%	0.00%	0.00%	0.00%
24													
25	NCP_Sec	4,695	2,784	57	162	818	795	-	-	29	-	-	50
26		100.00%	59.30%	1.22%	3.44%	17.43%	16.94%	0.00%	0.00%	0.61%	0.00%	0.00%	1.06%
27													
28	NCP_Sec-PLCC	1,642				818	795	-	-	29	-	-	
29		100.00%	0.00%	0.00%	0.00%	49.83%	48.44%	0.00%	0.00%	1.74%	0.00%	0.00%	0.00%
30													
31	Bills	20,403	18,135	63	1,422	593	45	9	2	1	1	1	131
32		100.00%	88.88%	0.31%	6.97%	2.91%	0.22%	0.04%	0.01%	0.00%	0.00%	0.01%	0.64%
33													
34	Customers	1,700.244	1,511.253	5.262	118.506	49.395	3.719	0.739	0.177	0.069	0.070	0.099	10.956
35		100.00%	88.88%	0.31%	6.97%	2.91%	0.22%	0.04%	0.01%	0.00%	0.00%	0.01%	0.64%
36													
37	Customers-CI	54.267	-	-	-	49.395	3.719	0.739	0.177	0.069	0.070	0.099	-
38		100.00%	0.00%	0.00%	0.00%	91.02%	6.85%	1.36%	0.33%	0.13%	0.13%	0.18%	0.00%
39													
40	Customers-SC3	4					3.719	0.739					
41		100.00%	0.00%	0.00%	0.00%	0.00%	83.42%	16.58%	0.00%	0.00%	0.00%	0.00%	0.00%
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43	Cust-Sec	1,688.169	1,511.253	5.262	118.506	49.395	3.719			0.034			
44		100.00%	89.52%	0.31%	7.02%	2.93%	0.22%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
45													
46	Cust-Pri	1,688.942	1,511.253	5.262	118.506	49.395	3.719	0.739		0.069			
47		100.00%	89.48%	0.31%	7.02%	2.92%	0.22%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%
48													
49	Xfmr_Cost	1,183,441	758,052	2,639	47,177	246,118	114,843	-	-	2,116	-	-	12,496
50		100.00%	64.05%	0.22%	3.99%	20.80%	9.70%	0.00%	0.00%	0.18%	0.00%	0.00%	1.06%
51													
52	Services_Cost	2,714,758	2,219,290	7,727	296,177	174,365	13,127	2,608	625	242	247	349	-
53		100.00%	81.75%	0.28%	10.91%	6.42%	0.48%	0.10%	0.02%	0.01%	0.01%	0.01%	0.00%
54													
55	Meters-Cost	646,177	415,402	3,005	36,841	147,185	13,556	6,000	12,186	402	4,806	6,794	-
56		100.00%	64.29%	0.47%	5.70%	22.78%	2.10%	0.93%	1.89%	0.06%	0.74%	1.05%	0.00%
57													
58	Meters-CT/VT	115,898	-	-	-	84,514	7,242	4,337	10,036	215	3,958	5,595	-
59		100.00%	0.00%	0.00%	0.00%	72.92%	6.25%	3.74%	8.66%	0.19%	3.42%	4.83%	0.00%
60													
61	ESCO Revenue	471,707	54,163	5,241	6,960	76,258	100,692	50,558	18,283	16,431	27,566	112,305	3,252
62		100.00%	11.48%	1.11%	1.48%	16.17%	21.35%	10.72%	3.88%	3.48%	5.84%	23.81%	0.69%
63													
64	kWh_Rev	753,700	687,449	9,896	41,929	-	-	-	-	-	-	-	14,425
65		100.00%	91.21%	1.31%	5.56%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.91%
66													
67	Demand_Rev	394,822	-	-	-	159,428	113,289	41,425	5,013	22,928	12,246	40,493	-
68		100.00%	0.00%	0.00%	0.00%	40.38%	28.69%	10.49%	1.27%	5.81%	3.10%	10.26%	0.00%
69													
70	Tot_DistRev	1,589,433	995,745	11,790	71,821	190,559	134,069	45,878	7,048	24,922	15,008	49,100	43,491
71		100.00%	62.65%	0.74%	4.52%	11.99%	8.44%	2.89%	0.44%	1.57%	0.94%	3.09%	2.74%
72													
73	Total_Rev	1,589,433	995,745	11,790	71,821	190,559	134,069	45,878	7,048	24,922	15,008	49,100	43,491
74		100.00%	62.65%	0.74%	4.52%	11.99%	8.44%	2.89%	0.44%	1.57%	0.94%	3.09%	2.74%
75													
76	MFC_Rev	17,744	15,026	240	650	812	354	106	56	26	28	412	34
77		100.00%	84.68%	1.35%	3.66%	4.58%	1.99%	0.60%	0.32%	0.15%	0.16%	2.32%	0.19%
78													
79	CommodityRev	570,529	379,726	6,155	17,142	66,801	33,927	11,435	5,216	3,655	5,250	38,531	2,691
80		100.00%	66.56%	1.08%	3.00%	11.71%	5.95%	2.00%	0.91%	0.64%	0.92%	6.75%	0.47%
81													
82	SBC_Rev	155,047	60,965	1,543	3,387	20,919	20,859	9,024	3,051	3,955	7,392	22,942	1,010
83		100.00%	39.32%	1.00%	2.18%	13.49%	13.45%	5.82%	1.97%	2.55%	4.77%	14.80%	0.65%
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85	Acct903	100.00%	91.66%	0.71%	4.16%	2.15%	0.44%	0.13%	0.03%	0.06%	0.04%	0.17%	0.46%
86		100.00%	91.66%	0.71%	4.16%	2.15%	0.44%	0.13%	0.03%	0.06%	0.04%	0.17%	0.46%
87													
88	Acct903-BILL	100.00%	88.88%	0.31%	6.97%	2.91%	0.22%	0.04%	0.01%	0.00%	0.00%	0.01%	0.64%
89		100.00%	88.88%	0.31%	6.97%	2.91%	0.22%	0.04%	0.01%	0.00%	0.00%	0.01%	0.64%
90													
91	Acct903-COLL	100.00%	90.96%	0.61%	4.87%	2.34%	0.38%	0.11%	0.02%	0.04%	0.03%	0.13%	0.50%
92		100.00%	90.96%	0.61%	4.87%	2.34%	0.38%	0.11%	0.02%	0.04%	0.03%	0.13%	0.50%
93													
94	Write-Offs-Del	28,510	26,697	50	501	791	242	83	9	50	25	63	-
95		100.00%	93.64%	0.17%	1.76%	2.77%	0.85%	0.29%	0.03%	0.17%	0.09%	0.22%	0.00%
96													
97	Write-Offs-Comm	10,758	10,181	26	120	277	61	21	7	7	9	49	-
98		100.00%	94.64%	0.24%	1.11%	2.58%	0.57%	0.19%	0.06%	0.07%	0.08%	0.46%	0.00%
99													
100	Collections	644,848	615,130	8,026	2,518	7,283	4,754	1,622	347	809	573	2,480	1,307
101		100.00%	95.39%	1.24%	0.39%	1.13%	0.74%	0.25%	0.05%	0.13%	0.09%	0.38%	0.20%
102													
103	Acct908	0	0	0	0	0	0	0	0	0	0	0	-
104		100.00%	39.36%	0.81%	3.92%	20.66%	20.89%	9.43%	0.00%	4.93%	0.00%	0.00%	0.00%
105													
106	ETIP	100.00%	41.45%	0.99%	2.39%	13.98%	13.63%	5.79%	1.69%	2.64%	4.01%	12.78%	0.63%
107		100.00%	41.45%	0.99%	2.39%	13.98%	13.63%	5.79%	1.69%	2.64%	4.01%	12.78%	0.63%
108													
109	Lighting	1	0	0	0	0	0	0	0	0	0	0	1
110		100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
111													
112	NCP_Trans	6,549	2,784	57	162	836	795	319	117	158	249	1,022	50
113		100.00%	42.51%	0.87%	2.47%	12.76%	12.15%	4.87%	1.79%	2.41%	3.80%	15.61%	0.76%
114													
115	Tran_Pretax	135,256	100,986	972	7,622	14,851	8,157	2,162	(505)	1,412	(1,084)	(5,280)	5,963
116		100.00%	74.66%	0.72%	5.64%	10.98%	6.03%	1.60%	-0.37%	1.04%	-0.80%	-3.90%	4.41%
117													
118	PriD-RB	1,081,826	393,322	8,086	22,835	257,841	245,501	98,462	9	48,760	17	81	6,913
119		100.00%	36.36%	0.75%	2.11%	23.83%	22.69%	9.10%	0.00%	4.51%	0.00%	0.01%	0.64%
120													
121	PriD-Lab	35,872	12,624	281	721	8,623	8,331	3,429	-	1,721	-	1	142
122		100.00%	35.19%	0.78%	2.01%	24.04%	23.22%	9.56%	0.00%	4.80%	0.00%	0.00%	0.40%
123													
124	PriD-OpExp	114,003	38,218	762	2,293	28,225	26,881	10,927	59	5,462	118	442	617
125		100.00%	33.52%	0.67%	2.01%	24.76%	23.58%	9.59%	0.05%	4.79%	0.10%	0.39%	0.54%
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127	PriD-Pt	1,856,658	628,891	12,956	36,483	462,566	440,521	176,709	-	87,513	-	32	10,987
128		100.00%	33.87%	0.70%	1.96%	24.91%	23.73%	9.52%	0.00%	4.71%	0.00%	0.00%	0.59%
129													
130	PriD-Pt-Tax	1,751,300	589,119	12,083	34,204	438,366	417,176	167,123	-	82,709	-	31	10,489
131		100.00%	33.64%	0.69%	1.95%	25.03%	23.82%	9.54%	0.00%	4.72%	0.00%	0.00%	0.60%
132													
133	PriD-Pretax	108,781	122,299	925	9,838	(11,083)	(19,612)	(9,532)	1,294	(4,350)	2,763	8,982	7,257
134		100.00%	112.43%	0.85%	9.04%	-10.19%	-18.03%	-8.76%	1.19%	-4.00%	2.54%	8.26%	6.67%
135													
136	PriC-RB	1,405,522	1,257,037	4,383	98,567	41,302	3,280	680	13	90	25	95	50
137		100.00%	89.44%	0.31%	7.01%	2.94%	0.23%	0.05%	0.00%	0.01%	0.00%	0.01%	0.00%
138													
139	PriC-Lab	70,271	62,878	219	4,931	2,055	155	31	-	3	-	-	-
140		100.00%	89.48%	0.31%	7.02%	2.92%	0.22%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%
141													
142	PriC-OpExp	268,984	236,480	869	18,509	9,208	1,866	563	87	236	174	651	341
143		100.00%	87.92%	0.32%	6.88%	3.42%	0.69%	0.21%	0.03%	0.09%	0.06%	0.24%	0.13%
144													
145	PriC-Pt	2,744,799	2,456,025	8,551	192,591	80,275	6,044	1,201	-	111	-	-	-
146		100.00%	89.48%	0.31%	7.02%	2.92%	0.22%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%
147													
148	PriC-Pt-Tax	2,561,486	2,291,998	7,980	179,729	74,914	5,640	1,121	-	104	-	-	-
149		100.00%	89.48%	0.31%	7.02%	2.92%	0.22%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%
150													
151	PriC-DiPt	2,561,486	2,291,998	7,980	179,729	74,914	5,640	1,121	-	104	-	-	-
152		100.00%	89.48%	0.31%	7.02%	2.92%	0.22%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%
153													
154	PriC-Pretax	18,775	(85,552)	1,738	(8,084)	35,171	31,340	10,833	1,672	5,976	3,569	11,598	10,514
155		100.00%	-455.66%	9.25%	-43.05%	187.33%	166.92%	57.70%	8.90%	31.83%	19.01%	61.77%	56.00%
156													
157	SecD-RB	654,399	376,806	1,315	23,458	155,196	89,096	30	6	2,214	12	44	6,224
158		100.00%	57.58%	0.20%	3.58%	23.72%	13.61%	0.00%	0.00%	0.34%	0.00%	0.01%	0.95%
159													
160	SecD-Lab	6,976	3,561	12	222	1,862	1,226	-	-	35	-	-	59
161		100.00%	51.04%	0.18%	3.18%	26.69%	17.57%	0.00%	0.00%	0.50%	0.00%	0.00%	0.84%
162													
163	SecD-OpExp	27,021	13,734	69	905	6,553	4,600	207	40	221	80	298	315
164		100.00%	50.83%	0.26%	3.35%	24.25%	17.02%	0.77%	0.15%	0.82%	0.30%	1.10%	1.17%
165													
166	SecD-Pt	1,256,434	721,759	2,513	44,918	298,936	172,142	-	-	4,268	-	-	11,898
167		100.00%	57.45%	0.20%	3.58%	23.79%	13.70%	0.00%	0.00%	0.34%	0.00%	0.00%	0.95%
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169	SecD-Pt-Tax	1,236,293	711,320	2,477	44,268	293,632	168,699	-	-	4,172	-	-	11,725
170		100.00%	57.54%	0.20%	3.58%	23.75%	13.65%	0.00%	0.00%	0.34%	0.00%	0.00%	0.95%
171													
172	SecD-DiPt	1,236,293	711,320	2,477	44,268	293,632	168,699	-	-	4,172	-	-	11,725
173		100.00%	57.54%	0.20%	3.58%	23.75%	13.65%	0.00%	0.00%	0.34%	0.00%	0.00%	0.95%
174													
175	SecD-Pretax	58,966	42,053	911	3,572	(3,024)	(28)	4,103	623	1,927	1,330	4,317	3,182
176		100.00%	71.32%	1.55%	6.06%	-5.13%	-0.05%	6.96%	1.06%	3.27%	2.26%	7.32%	5.40%
177													
178	SecC-RB	633,013	432,004	1,508	42,344	21,295	1,693	216	50	40	30	74	133,760
179		100.00%	68.25%	0.24%	6.69%	3.36%	0.27%	0.03%	0.01%	0.01%	0.00%	0.01%	21.13%
180													
181	SecC-Lab	25,342	17,273	60	1,465	657	49	2	1	1	0	0	5,834
182		100.00%	68.16%	0.24%	5.78%	2.59%	0.20%	0.01%	0.00%	0.00%	0.00%	0.00%	23.02%
183													
184	SecC-OpExp	90,790	65,270	252	5,396	3,159	856	244	47	121	92	344	15,011
185		100.00%	71.89%	0.28%	5.94%	3.48%	0.94%	0.27%	0.05%	0.13%	0.10%	0.38%	16.53%
186													
187	SecC-Pt	1,446,113	1,012,362	3,525	104,909	54,366	4,093	545	131	63	52	73	265,995
188		100.00%	70.01%	0.24%	7.25%	3.76%	0.28%	0.04%	0.01%	0.00%	0.00%	0.01%	18.39%
189													
190	SecC-OnSite	102,385			62,321	36,477	2,746	538	129	50	51	72	
191		100.00%	0.00%	0.00%	60.87%	35.63%	2.68%	0.53%	0.13%	0.05%	0.05%	0.07%	0.00%
192													
193	SecC-Pt-Tax	804,561	495,817	1,726	38,880	16,206	1,220	-	-	11	-	-	250,701
194		100.00%	61.63%	0.21%	4.83%	2.01%	0.15%	0.00%	0.00%	0.00%	0.00%	0.00%	31.16%
195													
196	SecC-DiPt	1,379,102	966,637	3,366	100,992	52,596	3,960	538	129	61	51	72	250,701
197		100.00%	70.09%	0.24%	7.32%	3.81%	0.29%	0.04%	0.01%	0.00%	0.00%	0.01%	18.18%
198													
199	SecC-Pretax	7,409	(2,038)	728	(1,470)	12,850	12,199	4,107	591	2,144	1,271	4,120	(27,093)
200		100.00%	-27.50%	9.82%	-19.83%	173.43%	164.65%	55.43%	7.98%	28.93%	17.16%	55.61%	-365.67%
201													
202	Bill-RB	219,157	139,257	1,183	11,572	43,127	10,901	4,819	2,930	1,862	1,234	2,006	266
203		100.00%	63.54%	0.54%	5.28%	19.68%	4.97%	2.20%	1.34%	0.85%	0.56%	0.92%	0.12%
204													
205	Bill-Lab	63,335	38,966	411	2,992	10,213	5,944	2,667	368	1,312	149	225	90
206		100.00%	61.52%	0.65%	4.72%	16.13%	9.38%	4.21%	0.58%	2.07%	0.24%	0.36%	0.14%
207													
208	Bill-Cust-Lab	14,020	12,307	94	614	711	95	34	41	8	20	41	55
209		100.00%	87.78%	0.67%	4.38%	5.07%	0.67%	0.25%	0.29%	0.06%	0.14%	0.29%	0.39%
210													

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Fac
Class Allocation Factors

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022

Class Allocation Factors

0	Allocator Name	Total	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
211	Bill-OpExp	207,167	133,691	1,311	9,622	28,769	16,732	7,122	1,186	3,458	980	3,073	1,220
212		100.00%	64.53%	0.63%	4.64%	13.89%	8.08%	3.44%	0.57%	1.67%	0.47%	1.48%	0.59%
213													
214	Bill-Pt	357,463	225,360	1,958	18,810	70,735	19,205	8,592	4,644	3,450	1,841	2,641	228
215		100.00%	63.04%	0.55%	5.26%	19.79%	5.37%	2.40%	1.30%	0.97%	0.52%	0.74%	0.06%
216													
217	BillC-Pt-Tax	-	-	-	-	-	-	-	-	-	-	-	-
218		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
219													
220	Bill-DiPt	196,422	126,272	913	11,199	44,741	4,121	1,824	3,704	122	1,461	2,065	-
221		100.00%	64.29%	0.47%	5.70%	22.78%	2.10%	0.93%	1.89%	0.06%	0.74%	1.05%	0.00%
222													
223	Bill-Pretax	10,484	1,905	359	(340)	(6,239)	3,230	(362)	(510)	251	1,362	5,496	5,331
224		100.00%	18.17%	3.43%	(3.25%)	(59.51%)	30.81%	(3.45%)	(4.86%)	2.39%	12.99%	52.43%	50.85%
225													
226	Reg-Pretax	(8,112)	16,228	(208)	1,701	(3,273)	(5,995)	(3,066)	(1,258)	(1,152)	(3,016)	(9,912)	1,839
227		100.00%	(200.05%)	2.56%	(20.97%)	40.35%	73.90%	37.79%	15.51%	14.20%	37.18%	122.19%	(22.67%)
228													
229	Sup-Lab	13	12	0	1	0	0	0	0	0	0	0	0
230		100.00%	91.66%	0.71%	4.16%	2.15%	0.44%	0.13%	0.03%	0.06%	0.04%	0.17%	0.46%
231													
232	Sup-OpExp	1,044	957	7	43	22	5	1	0	1	0	2	5
233		100.00%	91.66%	0.71%	4.16%	2.15%	0.44%	0.13%	0.03%	0.06%	0.04%	0.17%	0.46%
234													
235	Sup-Pretax	7,978	5,814	212	510	565	300	88	50	20	21	371	29
236		100.00%	72.88%	2.65%	6.39%	7.08%	3.76%	1.10%	0.63%	0.25%	0.26%	4.65%	0.36%
237													
238	Coll-Lab	1,162	1,065	8	48	25	5	2	0	1	0	2	5
239		100.00%	91.66%	0.71%	4.16%	2.15%	0.44%	0.13%	0.03%	0.06%	0.04%	0.17%	0.46%
240													
241	Coll-OpExp	4,167	3,814	29	174	91	20	6	1	3	2	8	19
242		100.00%	91.54%	0.71%	4.16%	2.19%	0.47%	0.14%	0.03%	0.06%	0.04%	0.18%	0.46%
243													
244	Coll-Pretax	71	(1,218)	2	19	437	354	122	18	67	40	129	101
245		100.00%	(1713.57%)	2.86%	26.46%	614.55%	497.86%	171.48%	25.79%	94.16%	56.24%	181.69%	142.49%
246													
247	CBill-Lab	2,858	2,620	20	119	61	13	4	1	2	1	5	13
248		100.00%	91.66%	0.71%	4.16%	2.15%	0.44%	0.13%	0.03%	0.06%	0.04%	0.17%	0.46%
249													
250	CBill-OpExp	16,302	14,931	115	679	354	75	23	5	10	7	29	75
251		100.00%	91.59%	0.71%	4.16%	2.17%	0.46%	0.14%	0.03%	0.06%	0.04%	0.18%	0.46%
252													

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Class Allocation Factors

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022

Class Allocation Factors

0	Allocator Name	Total	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
253	CBill-Pretax	179	(5,410)	18	6	1,899	1,562	538	81	296	177	572	440
254		100.00%	(3029.63%)	10.04%	3.60%	1063.55%	874.40%	301.37%	45.41%	165.52%	98.97%	320.44%	246.35%
255													
256	Uncollect	1,084	1,006	3	20	34	10	4	0	2	4	3	-
257		100.00%	92.75%	0.25%	1.80%	3.12%	0.96%	0.34%	0.03%	0.17%	0.33%	0.25%	0.00%
258													
259	Labor	235,370	151,633	1,260	11,274	27,540	19,382	7,617	897	3,801	1,283	4,536	6,148
260		100.00%	64.42%	0.54%	4.79%	11.70%	8.23%	3.24%	0.38%	1.61%	0.55%	1.93%	2.61%
261													
262	Labor-DistOM	186,529	120,824	910	9,150	21,323	13,960	5,185	851	2,540	1,260	4,484	6,043
263		100.00%	64.77%	0.49%	4.91%	11.43%	7.48%	2.78%	0.46%	1.36%	0.68%	2.40%	3.24%
264													
259	OMxPP	1,194,487	725,110	7,315	49,587	135,965	106,038	41,827	8,698	20,039	18,198	61,126	20,586
265		100.00%	60.70%	0.61%	4.15%	11.38%	8.88%	3.50%	0.73%	1.68%	1.52%	5.12%	1.72%
266													
262	Account931	100.00%	60.95%	0.53%	4.54%	12.03%	8.86%	3.07%	0.59%	1.53%	1.18%	4.41%	2.32%
267		100.00%	60.95%	0.53%	4.54%	12.03%	8.86%	3.07%	0.59%	1.53%	1.18%	4.41%	2.32%
268													
265	Plant	11,600,504	6,734,329	62,488	501,236	1,504,789	1,128,806	384,191	74,995	192,240	152,503	575,041	289,886
269		100.00%	58.05%	0.54%	4.32%	12.97%	9.73%	3.31%	0.65%	1.66%	1.31%	4.96%	2.50%
270													
271	RateBase	6,488,503	3,655,934	37,780	262,416	859,494	660,094	230,281	48,719	114,767	99,146	375,195	144,679
272		100.00%	56.34%	0.58%	4.04%	13.25%	10.17%	3.55%	0.75%	1.77%	1.53%	5.78%	2.23%
273													
274	Total_RevReq	2,731,276	1,654,948	18,849	106,433	332,060	234,996	85,844	20,841	39,903	36,892	150,078	50,432
275		100.00%	60.59%	0.69%	3.90%	12.16%	8.60%	3.14%	0.76%	1.46%	1.35%	5.49%	1.85%
276													

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Electric Rate Design Panel

Exhibit __ (E-RDP-3CU)

Allocated (Embedded) Class Cost of Service Study

Schedule 9

Development of Allocation - Index

Index
E-RDP-3CU, Sch. 9 Index

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 20
Development of Allocators - Index

Line	Reference	Schedule Name
1	E-RDP-3CU, Sch. 9 Index	Development of Allocators - Index
2	E-RDP-3CU, Sch. 9A	External Allocator Values- Class Allocation
3	E-RDP-3CU, Sch. 9B	Functionalization Allocators
4	E-RDP-3CU, Sch. 9C	Classification Allocators
5	E-RDP-3CU, Sch. 9D	Number of Customer Bills
6	E-RDP-3CU, Sch. 9E	Sales and Billing Demand
7	E-RDP-3CU, Sch. 9F	Full Service Sales
8	E-RDP-3CU, Sch. 9G	Distribution Revenue at Current Rates
9	E-RDP-3CU, Sch. 9H	Other Revenue at Current Rates
10	E-RDP-3CU, Sch. 9I	Summary of Revenue at Current Rates
11	E-RDP-3CU, Sch. 9J	Transformer Costs
12	E-RDP-3CU, Sch. 9K	Transformer Cost Allocation to Rate Classes
13	E-RDP-3CU, Sch. 9L	Transformer Unit Costs
14	E-RDP-3CU, Sch. 9M	Services Costs
15	E-RDP-3CU, Sch. 9N	Meter Costs
16	E-RDP-3CU, Sch. 9O	Meter Costs Detail
17	E-RDP-3CU, Sch. 9P	Customer Records and Accounting- Account 903
18	E-RDP-3CU, Sch. 9Q	Customer Assistance- Account 908
19	E-RDP-3CU, Sch. 9R	Aging Analysis
20	E-RDP-3CU, Sch. 9S	Write-Offs
21	E-RDP-3CU, Sch. 9T	Demand Allocators
22	E-RDP-3CU, Sch. 9U	Functional Splits
23	E-RDP-3CU, Sch. 9V	Transmission Allocator
24	E-RDP-3CU, Sch. 9W	Minimum System Study

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Electric Rate Design Panel

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Allocated (Embedded) Class Cost of Service Study

Schedule 9A-W
Allocation Factors

Allocators
E-RDP-3CU, Sch. 9A

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
External Allocator Values- Class Allocation

Line	Allocator Names	Units	Allocator Names	Total	Total	Residential SC-1	Residential TOU SC-1C	Small General No Dem SC-2-ND	Small General Demand SC-2-Dem	Large General-Sec SC-3-S	Large General-Pri SC-3-P	Large General-Tran SC-3-T	Large General TOU-S/P SC-3A-S/P	Large General TOU-U SC-3A-U	Large General TOU-T SC-3A-T	Lighting SC-L
1	**ALLOCATION VALUES**															
2	MWh-Meter	MWh	MWh-Meter	32,194,521	32,194,521	11,190,776	283,235	621,729	3,845,253	3,955,765	1,843,952	705,886	966,522	1,584,597	7,011,351	185,454
3	MWh-Gen	MWh	MWh-Gen	34,299,054	34,299,054	12,125,957	306,904	673,685	4,164,757	4,286,338	1,956,950	735,992	1,029,745	1,658,483	7,159,291	200,952
4	MWh-Sales	MWh	MWh-Sales	14,114,974	14,114,974	9,698,859	148,090	425,767	1,661,051	733,634	220,805	120,865	57,081	64,607	906,841	77,373
5	MWh-Pri	MWh	MWh-Pri	24,544,336	24,544,336	12,125,957	306,904	673,685	4,164,757	4,286,338	1,956,950		1,029,745			
6	MWh-CI	MWh	MWh-CI	20,535,056	20,535,056			621,729	3,845,253	3,955,765	1,843,952	705,886	966,522	1,584,597	7,011,351	
7	1CP_Trans	MW	1CP_Trans	5,842,376	5,842,376	2,499,088	48,943	153,315	799,580	723,837	293,146	104,417	143,990	223,961	851,011	1,089
8	NCP_Pri	MW	NCP_Pri	5,160,112	5,160,112	2,784,156	57,106	161,644	835,840	795,436	318,655	0	157,703	0	0	49,571
9	NCP_Sec	MW	NCP_Sec	4,694,745	4,694,745	2,784,156	57,106	161,644	818,287	795,436	0	0	28,544	0	0	49,571
10	Bills	#	Bills	20,402,924	20,402,924	18,135,032	63,142	1,422,074	592,744	44,626	8,867	2,126	822	839	1,185	131,467
11	Customers	#	Customers	1,700,244	1,700,244	1,511,253	5,262	118,506	49,395	3,719	739	177	69	70	99	10,956
12	Customers-CI	#	Customers-CI	54,267	54,267				49,395	3,719	739	177	69	70	99	
13	Cust-ResSmB	#	Cust-ResSmB	1,635,021	1,635,021	1,511,253	5,262	118,506								
14	Xfmr_Cost	$000	Xfmr_Cost	1,183,441	1,183,441	758,052	2,639	47,177	246,118	114,843	-	-	2,116	-	-	12,496
15	Services_Cost	$000	Services_Cos	2,714,758	2,714,758	2,219,290	7,727	296,177	174,365	13,127	2,608	625	242	247	349	-
16	Meters-Comp	$000	Meters-	530,279	530,279	415,402	3,005	36,841	62,671	6,314	1,664	2,150	187	848	1,199	-
17	Meters-CT/VT	$000	Meters-	115,898	115,898	-	-	-	84,514	7,242	4,337	10,036	215	3,958	5,595	-
18	Meters-Cost	$000	Meters-Cost	646,177	646,177	415,402	3,005	36,841	147,185	13,556	6,000	12,186	402	4,806	6,794	-
19	ESCO Revenue	$000	ESCO Revenue	471,707	471,707	54,163	5,241	6,960	76,258	100,692	50,558	18,283	16,431	27,566	112,305	3,252
20	kWh_Rev	$000	kWh_Rev	753,700	753,700	687,449	9,896	41,929	-	-	-	-	-	-	-	14,425
21	Demand_Rev	$000	Demand_Re	394,822	394,822	-	-	-	159,428	113,289	41,425	5,013	22,928	12,246	40,493	-
22	Tot_DistRev	$000	Tot_DistRev	1,589,433	1,589,433	995,745	11,790	71,821	190,559	134,069	45,878	7,048	24,922	15,008	49,100	43,491
23	MFC_Rev	$000	MFC_Rev	17,744	17,744	15,026	240	650	812	354	106	56	26	28	412	34
24	CommodityRev	$000	CommodityR	570,529	570,529	379,726	6,155	17,142	66,801	33,927	11,435	5,216	3,655	5,250	38,531	2,691
25	SBC_Rev	$000	SBC_Rev	155,047	32,194,521	60,965	1,543	3,387	20,919	20,859	9,024	3,051	3,955	7,392	22,942	1,010
26	Acct903	%	Acct903	100.00%	100.00%	91.66%	0.71%	4.16%	2.15%	0.44%	0.13%	0.03%	0.06%	0.04%	0.17%	0.46%
27	Acct903-BILL	%	Acct903-BILL	100.00%	100.00%	88.88%	0.31%	6.97%	2.91%	0.22%	0.04%	0.01%	0.00%	0.00%	0.01%	0.64%
28	Acct903-COLL	%	Acct903-COLL	100.00%	100.00%	90.96%	0.61%	4.87%	2.34%	0.38%	0.11%	0.02%	0.04%	0.03%	0.13%	0.50%
29	Write-Offs-Del	$000	Write-Offs-Del	28,510	28,510	26,697	50	501	791	242	83	9	50	25	63	-
30	Write-Offs-Comm	$000	Write-Offs-Comm	10,758	10,758	10,181	26	120	277	61	21	7	7	9	49	-
31	Collections	$000	Collections	644,848	644,848	615,130	8,026	2,518	7,283	4,754	1,622	347	809	573	2,480	1,307
32	Acct908	$000	Acct908	100.00%	100.00%	39.36%	0.81%	3.92%	20.66%	20.89%	9.43%	0.00%	4.93%	0.00%	0.00%	0.00%
33	ETIP	MWh	ETIP	100.00%	100.00%	41.45%	0.99%	2.39%	13.98%	13.63%	5.79%	1.69%	2.64%	4.01%	12.78%	0.63%
34	NCP_Trans	MW	NCP_Trans	6,548,694	6,548,694	2,784,156	57,106	161,644	835,840	795,436	318,655	117,483	157,703	249,172	1,021,926	49,571
35	Light-Fixtures	#	Light-Fixtures	1	1											1
36	NCP / Customer				3.03	1.84	10.85	1.36	16.92	213.90	431.23	0.00	2,302.02	0.00	0.00	4.52

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Functions
E-RDP-3CU, Sch. 9B

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)

Functionalization Allocators

Line	Functional Allocator Values	Total	Trans-mission	Primary Dist	Secondary Dist	Billing	Customer	COMP Supply	Collections	COMP Bill
1	Func-364	100.00%		61.98%	38.02%					
1	Func-365	100.00%		97.69%	2.31%					
2	Func-366	100.00%		57.64%	42.36%					
3	Func-367	100.00%		97.22%	2.78%					
4	Meters	646,176,851				646,176,851				
5	Comp-569	0.00%								0.0%
6	Comp-901	100.00%				68.0%	0.0%			32.0%
7	Comp-902	100.00%								100.0%
8	Comp-903	100.00%				39.4%	0.0%	0.6%		59.9%
9	Comp-905	100.00%				67.8%	0.0%	0.0%		32.2%
10	Comp-908	100.00%				99.0%	0.0%	0.2%		0.8%
11	Comp-920	100.00%				0.0%	0.0%	100.0%		0.0%
12	Comp-921	100.00%				0.0%	0.0%	100.0%		0.0%
13	Comp-923	100.00%				92.2%	0.0%	7.1%		0.7%
14	Comp-926									
15	Comp-930.2	0.00%				0.0%				
16	Coll	100.00%				38.97%			61.03%	
17	Uncoll	100.00%				72.60%			27.40%	

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Classify
E-RDP-3CU, Sch. 9C

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Classification Allocators

Line	Account		Total	Demand	Energy	Customer	Source- Customer Commponent
1							
2	Pri364	Primary- Poles, Towers & Fixtures	100.00%	10.39%		89.61%	Same as Pri365
3	Pri365	Primary- OH Conductors and Devices	100.00%	10.39%		89.61%	E-RDP-3CU, Sch. 9W, line 13
4	Pri366	Primary- UG Conduits	100.00%	45.60%		54.40%	Same as Pri367
5	Pri367	Primary- UG Conductors	100.00%	45.60%		54.40%	E-RDP-3CU, Sch. 9W, line 40
6	Pri368	Primary- Transformers	100.00%	100.00%		0.00%	
7	Sec364	Secondary- Poles, Towers & Fixtures	100.00%	1.60%		98.40%	Same as Sec365
8	Sec365	Secondary- OH Conductors and Devices	100.00%	1.60%		98.40%	E-RDP-3CU, Sch. 9W, line 28
9	Sec366	Secondary- UG Conduits	100.00%	86.92%		13.08%	Same as Sec367
10	Sec367	Secondary- UG Conductors	100.00%	86.92%		13.08%	E-RDP-3CU, Sch. 9W, line 53
11	Sec368	Secondary- Transformers	100.00%	100.00%		0.00%	
12							
13							
14							

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Bills
E-RDP-3CU, Sch. 9D

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)

Number of Customer Bills

Line	Rate Class	Includes	Total	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22
1	Residential	SC-1	18,135,032	1,508,007	1,508,755	1,508,659	1,508,314	1,509,920	1,511,521	1,512,940	1,513,756	1,514,044	1,514,137	1,512,935	1,512,043
2	Residential TOU	SC-1C	63,142	5,251	5,253	5,253	5,252	5,257	5,263	5,268	5,271	5,272	5,272	5,268	5,265
3	Small Gen No Dem	SC-2-ND	1,422,074	118,334	118,334	118,347	118,372	118,409	118,453	118,503	118,556	118,610	118,665	118,719	118,773
4	Small Gen Demand	SC-2-Dem	592,744	49,326	49,325	49,330	49,341	49,355	49,373	49,393	49,414	49,437	49,460	49,483	49,506
5	Large Gen-Sec	SC-3-S	44,626	3,716	3,715	3,715	3,716	3,716	3,717	3,718	3,720	3,721	3,722	3,723	3,725
6	Large Gen-Pri	SC-3-P	8,867	738	738	738	738	739	739	739	739	739	740	740	740
7	Large Gen-Tran	SC-3-T	2,126	177	177	177	177	177	177	177	177	177	177	177	177
8	Large Gen TOU-S/P	SC-3A-S/P	822	69	69	69	69	69	69	68	68	68	68	68	68
9	Large Gen TOU-SubT	SC-3A-U	839	70	70	70	70	70	70	70	70	70	70	70	70
10	Large Gen TOU-Tran	SC-3A-T	1,185	99	99	99	99	99	99	99	99	99	99	99	99
11	Lighting	SC-L	131,467	10,956	10,956	10,956	10,956	10,956	10,956	10,956	10,956	10,956	10,956	10,956	10,956
12			20,402,924	1,696,742	1,697,491	1,697,413	1,697,103	1,698,766	1,700,436	1,701,931	1,702,825	1,703,192	1,703,366	1,702,238	1,701,421
13				*20,403 Check*											
14	Residential														
15	Basic Service		18,135,032	1,508,007	1,508,755	1,508,659	1,508,314	1,509,920	1,511,521	1,512,940	1,513,756	1,514,044	1,514,137	1,512,935	1,512,043
16	Income Eligible Basic Service		0												
17			18,135,032	1,508,007	1,508,755	1,508,659	1,508,314	1,509,920	1,511,521	1,512,940	1,513,756	1,514,044	1,514,137	1,512,935	1,512,043
18															
19	Small General No Dem	SC-2-ND	1,422,074	118,334	118,334	118,347	118,372	118,409	118,453	118,503	118,556	118,610	118,665	118,719	118,773
20		Borderline	0												
21			1,422,074	118,334	118,334	118,347	118,372	118,409	118,453	118,503	118,556	118,610	118,665	118,719	118,773
22															
23	Small General Demand	SC-2-Dem	592,708	49,323	49,322	49,327	49,338	49,352	49,370	49,390	49,411	49,434	49,457	49,480	49,503
24		SC-7	35	3	3	3	3	3	3	3	3	3	3	3	3
25		SC-11/12	0	-	-	-	-	-	-	-	-	-	-	-	-
26			592,743	49,326	49,325	49,330	49,341	49,355	49,373	49,393	49,414	49,437	49,460	49,483	49,506
27															
28	Large General-Sec	SC-3-S	44,394	3,696	3,696	3,696	3,696	3,697	3,698	3,699	3,700	3,702	3,703	3,704	3,705
29		SC-4	196	16	16	16	16	16	16	16	16	16	16	16	16
30		SC-7	36	3	3	3	3	3	3	3	3	3	3	3	3
31	RNY	EDP	0	-	-	-	-	-	-	-	-	-	-	-	-
32		PP	0	-	-	-	-	-	-	-	-	-	-	-	-
33			44,626	3,716	3,715	3,715	3,716	3,716	3,717	3,718	3,720	3,721	3,722	3,723	3,725
34															
35	Large General-Pri	SC-3-P	8,527	710	710	710	710	710	710	710	711	711	711	711	712
36		SC-7	252	21	21	21	21	21	21	21	21	21	21	21	21
37		SC-4	71	6	6	6	6	6	6	6	6	6	6	6	6
38		SC-11/12	18	1	1	1	1	1	1	1	1	1	1	1	1
39	RNY	EDP	0	-	-	-	-	-	-	-	-	-	-	-	-
40		R&E	0	-	-	-	-	-	-	-	-	-	-	-	-
41			8,867	738	738	738	738	739	739	739	739	739	740	740	740
42															

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Bills
E-RDP-3CU, Sch. 9D

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)

Number of Customer Bills

Line	Rate Class	Includes	Total	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22
1	Residential	SC-1	18,135,032	1,508,007	1,508,755	1,508,659	1,508,314	1,509,920	1,511,521	1,512,940	1,513,756	1,514,044	1,514,137	1,512,935	1,512,043
2	Residential TOU	SC-1C	63,142	5,251	5,253	5,253	5,252	5,257	5,263	5,268	5,271	5,272	5,272	5,268	5,265
3	Small Gen No Dem	SC-2-ND	1,422,074	118,334	118,334	118,347	118,372	118,409	118,453	118,503	118,556	118,610	118,665	118,719	118,773
4	Small Gen Demand	SC-2-Dem	592,744	49,326	49,325	49,330	49,341	49,355	49,373	49,393	49,414	49,437	49,460	49,483	49,506
5	Large Gen-Sec	SC-3-S	44,626	3,716	3,715	3,715	3,716	3,716	3,717	3,718	3,720	3,721	3,722	3,723	3,725
6	Large Gen-Pri	SC-3-P	8,867	738	738	738	738	739	739	739	739	739	740	740	740
43	Large General-SubT	SC-3-U	1,538	128	128	128	128	128	128	128	128	128	128	128	128
44		SC-7	132	11	11	11	11	11	11	11	11	11	11	11	11
45		SC-4	83	7	7	7	7	7	7	7	7	7	7	7	7
46		SC-11/12	26	2	2	2	2	2	2	2	2	2	2	2	2
47	RNY	EDP	0	-	-	-	-	-	-	-	-	-	-	-	-
48		R&E	0	-	-	-	-	-	-	-	-	-	-	-	-
49		PP	0	-	-	-	-	-	-	-	-	-	-	-	-
50		STL	0	-	-	-	-	-	-	-	-	-	-	-	-
51	Large General-Tran	SC-3-T	215	18	18	18	18	18	18	18	18	18	18	18	18
52		SC-7	73	6	6	6	6	6	6	6	6	6	6	6	6
53		SC-4	59	5	5	5	5	5	5	5	5	5	5	5	5
54		SC-11/12	0	-	-	-	-	-	-	-	-	-	-	-	-
55	RNY	EDP	0	-	-	-	-	-	-	-	-	-	-	-	-
56		R&E	0	-	-	-	-	-	-	-	-	-	-	-	-
57			2,126	177	177	177	177	177	177	177	177	177	177	177	177
58															
59	Large General TOU-Sec	SC-3A-S	144	12	12	12	12	12	12	12	12	12	12	12	12
60	RNY	EDP	-	0	0	0	0	0	0	0	0	0	0	0	0
61			144	12	12	12	12	12	12	12	12	12	12	12	12
62															
63	Large General TOU-Pri	SC-3A-P	491	41	41	41	41	41	41	41	41	41	41	41	41
64		SC-74	129	11	11	11	11	11	11	11	11	11	11	11	11
65		SC-7	58	5	5	5	5	5	5	5	5	5	5	5	5
66	RNY	EDP	-	-	-	-	-	-	-	-	-	-	-	-	-
67		R&E	-	-	-	-	-	-	-	-	-	-	-	-	-
68			678	57	57	57	57	57	57	57	56	56	56	56	56
69		SC-3A-S/P	822	69	69	69	69	69	69	68	68	68	68	68	68
70	Large General TOU-Sub	SC-3A-U	742	62	62	62	62	62	62	62	62	62	62	62	62
71		SC-4	73	6	6	6	6	6	6	6	6	6	6	6	6
72		SC-7	24	2	2	2	2	2	2	2	2	2	2	2	2
73	RNY	EDP	-	-	-	-	-	-	-	-	-	-	-	-	-
74		R&E	-	-	-	-	-	-	-	-	-	-	-	-	-
75			839	70	70	70	70	70	70	70	70	70	70	70	70
76	Large General TOU-Tran	SC-3A-T	782	65	65	65	65	65	65	65	65	65	65	65	65
77		SC-7	356	30	30	30	30	30	30	30	30	30	30	30	30
78		SC-4	47	4	4	4	4	4	4	4	4	4	4	4	4
79		SC-11/12	0	-	-	-	-	-	-	-	-	-	-	-	-
80	RNY	EDP	-	-	-	-	-	-	-	-	-	-	-	-	-
81		R&E	-	-	-	-	-	-	-	-	-	-	-	-	-
82		Fitz	-	-	-	-	-	-	-	-	-	-	-	-	-
83			1,185	99	99	99	99	99	99	99	99	99	99	99	99
84			2,024	169	169	169	169	169	169	169	169	168	168	168	168

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Sales
E-RDP-3CU, Sch. 9E

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)

Sales and Billing Demand

Line	Rate Class	Includes	Total	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22
1				Billing MWh- Summary by Rate Class											
2	Residential	SC-1	11,190,776	1,042,785	1,055,804	958,050	749,647	787,678	986,374	1,092,973	1,030,169	989,449	909,580	743,565	844,701
3	Residential TOU	SC-1C	283,235	26,392	26,722	24,248	18,974	19,936	24,965	27,662	26,073	25,042	23,021	18,820	21,380
4	Small Gen No Dem	SC-2-ND	621,729	56,281	56,541	54,759	49,319	47,797	52,968	54,345	51,833	50,756	49,716	46,002	51,410
5	Small Gen Demand	SC-2-Dem	3,845,253	348,215	349,614	338,382	305,359	294,731	326,106	335,936	321,447	314,552	308,837	283,297	318,777
6	Large Gen-Sec	SC-3-S	3,955,765	356,116	358,189	347,011	316,593	307,059	334,505	342,687	329,732	322,897	317,644	295,456	327,876
7	Large Gen-Pri	SC-3-P	1,843,952	165,535	166,643	161,513	148,116	143,984	155,714	159,103	153,495	150,366	148,053	138,611	152,819
8	Large Gen-Tran	SC-3-T	705,886	63,088	63,597	61,681	57,026	55,633	59,480	60,521	58,635	57,471	56,667	53,597	58,490
9	Large Gen TOU-S/P	SC-3A-S/P	966,522	85,050	86,150	83,758	79,620	78,610	80,830	81,043	79,693	78,261	77,548	75,922	80,035
10	Large Gen TOU-SubT	SC-3A-U	1,584,597	139,649	141,389	137,431	130,292	128,495	132,617	133,157	130,749	128,376	127,146	124,072	131,225
11	Large Gen TOU-Tran	SC-3A-T	7,011,351	615,528	623,947	606,842	579,248	572,894	585,698	585,924	577,467	567,255	562,506	553,505	580,537
12	Lighting	SC-L	185,454	13,834	12,717	11,597	12,300	13,703	14,934	17,192	18,233	19,619	19,126	16,181	16,017
13			32,194,521	2,912,474	2,941,314	2,785,272	2,446,493	2,450,522	2,754,191	2,890,544	2,777,525	2,704,044	2,599,845	2,349,029	2,583,267
14			32,194,521	*32,194,521*	*Check*	-									
15															
16				Billing MWh											
17		SC-2-Dem	3,839,605	347,722	349,113	337,894	304,890	294,265	325,635	335,467	320,983	314,096	308,384	282,846	318,309
18		SC-7	322	29	29	28	26	25	27	28	27	26	26	24	27
19	RNY	EDP	5,326	464	472	459	444	441	443	441	437	430	427	427	441
20			3,845,253	348,215	349,614	338,382	305,359	294,731	326,106	335,936	321,447	314,552	308,837	283,297	318,777
21	Large General-Sec	SC-3-S	3,818,481	344,141	346,026	335,170	305,162	295,700	323,073	331,320	318,459	311,815	306,632	284,471	316,512
22		SC-4	7,581	661	672	654	632	628	631	627	622	612	608	607	628
23		SC-7	2,821	253	255	247	227	221	238	243	235	230	226	213	234
24		SC-11/12	0	0	0	0	0	0	0	0	0	0	0	0	0
25	RNY	EDP	108,099	9,424	9,574	9,321	9,007	8,954	9,000	8,943	8,874	8,724	8,670	8,660	8,948
26	R&E	R&E	16,845	1,469	1,492	1,453	1,404	1,395	1,402	1,394	1,383	1,360	1,351	1,350	1,394
27	PP	PFJs	1,938	169	172	167	162	161	161	160	159	156	155	155	160
28			3,955,765	356,116	358,189	347,011	316,593	307,059	334,505	342,687	329,732	322,897	317,644	295,456	327,876
29															
30	Large General-Pri	SC-3-P	1,610,662	145,161	145,956	141,377	128,720	124,728	136,274	139,753	134,328	131,526	129,340	119,992	133,507
31		SC-4	26,180	2,283	2,319	2,258	2,181	2,167	2,180	2,167	2,149	2,113	2,100	2,096	2,167
32		SC-7	15,222	1,364	1,374	1,332	1,226	1,194	1,284	1,309	1,266	1,240	1,222	1,150	1,261
33		SC-11/12	4,448	388	394	384	371	368	370	368	365	359	357	356	368
34	RNY	EDP	98,779	8,611	8,748	8,518	8,231	8,182	8,224	8,172	8,109	7,972	7,923	7,914	8,177
35	R&E	R&E	88,661	7,729	7,852	7,645	7,388	7,344	7,381	7,335	7,278	7,156	7,111	7,103	7,339
36			1,843,952	165,535	166,643	161,513	148,116	143,984	155,714	159,103	153,495	150,366	148,053	138,611	152,819
37															

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Sales
E-RDP-3CU, Sch. 9E

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Sales and Billing Demand

Line	Rate Class	Includes	Total	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22
38				Billing MWh											
39	Large General-SubT	SC-3-U	426,989	38,482	38,693	37,479	34,124	33,066	36,127	37,049	35,611	34,868	34,288	31,810	35,393
40		SC-4	22,953	2,001	2,033	1,979	1,912	1,900	1,911	1,900	1,884	1,853	1,841	1,838	1,900
41		SC-7	18,833	1,687	1,700	1,648	1,517	1,477	1,589	1,620	1,566	1,535	1,512	1,422	1,561
42		SC-11/12	325	28	29	28	27	27	27	27	27	26	26	26	27
43	RNY	EDP	39,014	3,401	3,455	3,364	3,251	3,232	3,248	3,227	3,203	3,149	3,129	3,126	3,229
44	R&E	R&E	41,463	3,615	3,672	3,575	3,455	3,435	3,452	3,430	3,404	3,346	3,326	3,322	3,432
45	PP	PFJs	12,117	1,056	1,073	1,045	1,010	1,004	1,009	1,002	995	978	972	971	1,003
46		STL	0	0	0	0	0	0	0	0	0	0	0	0	0
47	Large General-Tran	SC-3-T	81,249	7,323	7,363	7,132	6,493	6,292	6,874	7,050	6,776	6,635	6,524	6,053	6,735
48		SC-4	6,996	610	620	603	583	579	582	579	574	565	561	560	579
49		SC-7	2,674	240	241	234	215	210	226	230	222	218	215	202	222
50		SC-11/12	0	0	0	0	0	0	0	0	0	0	0	0	0
51	RNY	EDP	7,465	651	661	644	622	618	621	618	613	602	599	598	618
52	R&E	R&E	45,810	3,993	4,057	3,950	3,817	3,795	3,814	3,790	3,760	3,697	3,674	3,670	3,792
53			705,886	63,088	63,597	61,681	57,026	55,633	59,480	60,521	58,635	57,471	56,667	53,597	58,490
54															
55	Large General TOU-S	SC-3A-S	128,526	11,348	11,483	11,158	10,544	10,384	10,766	10,829	10,614	10,419	10,313	10,024	10,644
56	RNY	EDP	4,869	424	431	420	406	403	405	403	400	393	391	390	403
57			133,395	11,772	11,914	11,578	10,949	10,787	11,171	11,232	11,014	10,812	10,704	10,414	11,047
58															
59	Large General TOU-P	SC-3A-P	463,991	40,967	41,453	40,281	38,064	37,487	38,867	39,094	38,319	37,614	37,232	36,186	38,427
60		SC-4	79,568	6,938	7,048	6,862	6,628	6,587	6,625	6,585	6,533	6,422	6,382	6,371	6,586
61		SC-7	53,818	4,821	4,857	4,709	4,335	4,221	4,540	4,630	4,475	4,385	4,321	4,065	4,460
62		SC-11/12	0	0	0	0	0	0	0	0	0	0	0	0	0
63	RNY	EDP	90,640	7,902	8,027	7,816	7,553	7,508	7,546	7,498	7,440	7,315	7,270	7,262	7,503
64	PP	PFJs	3,156	275	280	272	263	261	263	261	259	255	253	253	261
65	R&E	R&E	141,953	12,375	12,572	12,240	11,828	11,758	11,818	11,743	11,653	11,457	11,386	11,372	11,750
66			833,127	73,278	74,237	72,180	68,670	67,823	69,659	69,811	68,679	67,449	66,844	65,509	68,988
67		SC-3A-S/P	966,522	85,050	86,150	83,758	79,620	78,610	80,830	81,043	79,693	78,261	77,548	75,922	80,035
68															
69	Large General TOU-U	SC-3A-U	1,223,607	108,035	109,318	106,227	100,380	98,857	102,497	103,096	101,051	99,195	98,187	95,428	101,338
70		SC-4	73,864	6,441	6,543	6,370	6,153	6,115	6,150	6,113	6,064	5,962	5,925	5,914	6,114
71		SC-7	59,375	5,319	5,358	5,195	4,782	4,657	5,009	5,108	4,938	4,838	4,767	4,485	4,920
72		SC-11/12	0	0	0	0	0	0	0	0	0	0	0	0	0
73	RNY	EDP	147,060	12,820	13,024	12,681	12,254	12,182	12,243	12,166	12,072	11,869	11,795	11,782	12,173
74	R&E	R&E	80,690	7,034	7,146	6,958	6,724	6,684	6,718	6,675	6,624	6,512	6,472	6,464	6,679
75			1,584,597	139,649	141,389	137,431	130,292	128,495	132,617	133,157	130,749	128,376	127,146	124,072	131,225
76	Large General TOU-T	SC-3A-T	3,817,683	337,071	341,075	331,430	313,186	308,437	319,792	321,661	315,282	309,489	306,346	297,736	316,176
77		SC-4	377,796	32,944	33,465	32,582	31,470	31,277	31,457	31,266	31,017	30,494	30,303	30,249	31,273
78		SC-7	15,737	1,410	1,420	1,377	1,267	1,234	1,328	1,354	1,309	1,282	1,263	1,189	1,304
79		SC-11/12	0	0	0	0	0	0	0	0	0	0	0	0	0
80	RNY	EDP	624,789	54,466	55,333	53,875	52,061	51,753	52,016	51,686	51,288	50,425	50,113	50,055	51,718
81	R&E	R&E	2,073,442	180,754	183,629	178,791	172,772	171,750	172,621	171,527	170,206	167,340	166,307	166,113	171,631
82	Fitz	Fitz	101,905	8,884	9,025	8,787	8,491	8,441	8,484	8,430	8,365	8,224	8,174	8,164	8,435
83			7,011,351	615,528	623,947	606,842	579,248	572,894	585,698	585,924	577,467	567,255	562,506	553,505	580,537
84			8,595,948	755,178	765,336	744,272	709,540	701,388	718,315	719,081	708,215	695,630	689,652	677,578	711,762
85	Street Lighting	SC1_L	19,658	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638
86		SC2_L	108,814	7,959	7,176	6,419	6,889	7,854	8,716	10,255	10,986	11,925	11,586	9,603	9,446
87		SC3_L	49,322	3,607	3,253	2,910	3,123	3,560	3,950	4,648	4,980	5,405	5,252	4,353	4,282
88		SC4_L	7,660	630	651	630	651	651	630	651	630	651	651	588	651
89			185,454	13,834	12,717	11,597	12,300	13,703	14,934	17,192	18,233	19,619	19,126	16,181	16,017

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Sales
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Sales and Billing Demand

Line	Rate Class	Includes	Total	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22
90															
91		MW	MW	Billing Demand in MW- Summary by Rate Class											
92	Small Gen Demand	SC-2-Dem	12,816	1,161	1,165	1,128	1,018	982	1,087	1,120	1,071	1,048	1,029	944	1,062
93	Large Gen-Sec	SC-3-S	10,106	910	915	887	809	784	855	876	842	825	812	755	838
94	Large Gen-Pri	SC-3-P	4,189	376	379	367	336	327	354	362	349	342	336	315	347
95	Large Gen-Tran	SC-3-T	1,677	150	151	147	135	132	141	144	139	137	135	127	139
96	Large Gen TOU-S/P	SC-3A-S/P	278	25	25	24	23	22	23	23	23	23	22	22	23
97	Large Gen TOU-S/P	SC-3A-S/P	1,851	163	165	161	152	150	155	156	153	150	149	145	153
98	Large Gen TOU-SubT	SC-3A-U	3,257	287	291	283	268	264	273	274	269	264	261	255	270
99	Large Gen TOU-Tran	SC-3A-T	11,945	1,048	1,063	1,034	987	976	998	998	984	966	958	943	989
100			46,118	4,120	4,154	4,029	3,728	3,638	3,885	3,951	3,830	3,754	3,702	3,505	3,821
101		MW													
102	Small General Demand	SC2	12,798.933	1,159	1,164	1,126	1,016	981	1,085	1,118	1,070	1,047	1,028	943	1,061
103		SC7	2.335	0	0	0	0	0	0	0	0	0	0	0	0
104	RNY	EDP	14.498	1	1	1	1	1	1	1	1	1	1	1	1
105			12,815.766	1,161	1,165	1,128	1,018	982	1,087	1,120	1,071	1,048	1,029	944	1,062
106		MW													
107	Large General-Sec	SC3	9,767.211	880	885	857	781	756	826	847	815	798	784	728	810
108		SC4	22.618	2	2	2	2	2	2	2	2	2	2	2	2
109		SC7	9.835	1	1	1	1	1	1	1	1	1	1	1	1
110	RNY	EDP	260.375	23	23	22	22	22	22	22	21	21	21	21	22
111	PP	PFJ	3.008	0	0	0	0	0	0	0	0	0	0	0	0
112	R&E	R&E	43.024	4	4	4	4	4	4	4	4	3	3	3	4
113			10,106.071	910	915	887	809	784	855	876	842	825	812	755	838
114		MW													
115	Large General-Pri	SC3	3,696.286	333	335	324	295	286	313	321	308	302	297	275	306
116		SC4	56.133	5	5	5	5	5	5	5	5	5	5	4	5
117		SC7	38.955	3	4	3	3	3	3	3	3	3	3	3	3
118		SC11/12	15.958	1	1	1	1	1	1	1	1	1	1	1	1
119	RNY	EDP	209.762	18	19	18	17	17	17	17	17	17	17	17	17
120	R&E	R&E	171.476	15	15	15	14	14	14	14	14	14	14	14	14
121			4,188.570	376	379	367	336	327	354	362	349	342	336	315	347
122		MW													
123	Large General-SubT	SC3	1,048.894	95	95	92	84	81	89	91	87	86	84	78	87
124	Special L	SC4	46.172	4	4	4	4	4	4	4	4	4	4	4	4
125	Special L	SC7	47.399	4	4	4	4	4	4	4	4	4	4	4	4
126	Special L	SC11/12	2.180	0	0	0	0	0	0	0	0	0	0	0	0
127	RNY	EDP	87.561	8	8	8	7	7	7	7	7	7	7	7	7
128	R&E	R&E	84.189	7	7	7	7	7	7	7	7	7	7	7	7
129	PP	PFJ	28.325	2	3	2	2	2	2	2	2	2	2	2	2
130	STL	STL	0.000	0	0	0	0	0	0	0	0	0	0	0	0
131	Large General-Tran	SC3	183.849	17	17	16	15	14	16	16	15	15	15	14	15
132		SC4	21.309	2	2	2	2	2	2	2	2	2	2	2	2
133		SC7	22.225	2	2	2	2	2	2	2	2	2	2	2	2
134	RNY	EDP	17.206	1	2	1	1	1	1	1	1	1	1	1	1
135	R&E	R&E	87.222	8	8	8	7	7	7	7	7	7	7	7	7
136			1,676.532	150	151	147	135	132	141	144	139	137	135	127	139
137															

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Sales
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Sales and Billing Demand

Line	Rate Class	Includes	Total	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22
138		MW	MW	Billing Demand in MW											
139	Large General TOU-S	SC3A	277.695	25	25	24	23	22	23	23	23	23	22	22	23
140			277.695	25	25	24	23	22	23	23	23	23	22	22	23
141		MW													
142	Large General TOU-P	SC3A	1,003.555	89	90	87	82	81	84	85	83	81	81	78	83
143		SC4	168.217	15	15	15	14	14	14	14	14	14	13	13	14
144		SC7	254.166	23	23	22	20	20	21	22	21	21	20	19	21
145	RNY	EDP	187.558	16	17	16	16	16	16	16	15	15	15	15	16
146	PP	PFJ	5.129	0	0	0	0	0	0	0	0	0	0	0	0
147	R&E	R&E	232.596	20	21	20	19	19	19	19	19	19	19	19	19
148			1,851.221	163	165	161	152	150	155	156	153	150	149	145	153
149		MW													
150	Large General TOU-SubT	SC3A	2,409.963	213	215	209	198	195	202	203	199	195	193	188	200
151		SC4	142.207	12	13	12	12	12	12	12	12	11	11	11	12
152		SC7	259.239	23	23	23	21	20	22	22	22	21	21	20	21
153	RNY	EDP	295.345	26	26	25	25	24	25	24	24	24	24	24	24
154	R&E	R&E	150.198	13	13	13	13	12	13	12	12	12	12	12	12
155			3,256.952	287	291	283	268	264	273	274	269	264	261	255	270
156	Large General TOU-Tran	SC3A	5,939.269	524	531	516	487	480	498	500	490	481	477	463	492
157		SC4	819.910	71	73	71	68	68	68	68	67	66	66	66	68
158		SC7	192.600	17	17	17	16	15	16	17	16	16	15	15	16
159	RNY	EDP	1,220.800	106	108	105	102	101	102	101	100	99	98	98	101
160	R&E	R&E	3,605.647	314	319	311	300	299	300	298	296	291	289	289	298
161		SC11/12	0.000	0	0	0	0	0	0	0	0	0	0	0	0
162	Fitz	Fitz	166.540	15	15	14	14	14	14	14	14	13	13	13	14
163			11,944.765	1,048	1,063	1,034	987	976	998	998	984	966	958	943	989
164			15,201.717	1,336	1,354	1,316	1,255	1,240	1,270	1,272	1,253	1,230	1,220	1,198	1,259
165															
166		kVA	kVA	Billed kVA											
167	Large General-Sec	SC3	558	50	51	49	45	43	47	48	47	46	45	42	46
168		SC4	1	0	0	0	0	0	0	0	0	0	0	0	0
169		SC7	1	0	0	0	0	0	0	0	0	0	0	0	0
170			559	50	51	49	45	43	47	49	47	46	45	42	46
171		kVA													
172	Large General-Pri	SC3	663	60	60	58	53	51	56	58	55	54	53	49	55
173		SC4	10	1	1	1	1	1	1	1	1	1	1	1	1
174		SC7	7	1	1	1	1	1	1	1	1	1	1	1	1
175		SC11/12	3	0	0	0	0	0	0	0	0	0	0	0	0
176			683	61	62	60	55	53	58	59	57	56	55	51	57
177															

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Sales and Billing Demand

Line	Rate Class	Includes	Total	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22
178		kVA	kVA	Billed kVA											
179		kVA													
180	Large General-SubT	SC3	319	29	29	28	26	25	27	28	27	26	26	24	26
181		SC4	14	1	1	1	1	1	1	1	1	1	1	1	1
182		SC7	14	1	1	1	1	1	1	1	1	1	1	1	1
183		SC11/12	1	0	0	0	0	0	0	0	0	0	0	0	0
184	Large General-Tran	SC3	64	6	6	6	5	5	5	6	5	5	5	5	5
185		SC4	7	1	1	1	1	1	1	1	1	1	1	1	1
186		SC7	8	1	1	1	1	1	1	1	1	1	1	1	1
187		SC11/12	0	0	0	0	0	0	0	0	0	0	0	0	0
188			428	38	39	38	34	33	36	37	36	35	34	32	35
189		kVA													
190	Large General TOU-Sec	SC3A	21	2	2	2	2	2	2	2	2	2	2	2	2
191			21	2	2	2	2	2	2	2	2	2	2	2	2
192		kVA													
193	Large General TOU-Pri	SC3A	226	20	20	20	19	18	19	19	19	18	18	18	19
194		SC4	38	3	3	3	3	3	3	3	3	3	3	3	3
195		SC7	57	5	5	5	5	4	5	5	5	5	5	4	5
196			322	28	29	28	26	26	27	27	27	26	26	25	27
197		kVA	343	30	31	30	28	28	29	29	28	28	28	27	28
198	Large General TOU-SubT	SC3	608	54	54	53	50	49	51	51	50	49	49	47	50
199		SC4	36	3	3	3	3	3	3	3	3	3	3	3	3
200		SC7	65	6	6	6	5	5	6	6	5	5	5	5	5
201			709	63	63	62	58	57	59	60	59	57	57	55	59
202	Large General TOU-Tran	SC3	2,225	196	199	193	183	180	186	187	184	180	179	174	184
203		SC4	307	27	27	26	26	25	26	25	25	25	25	25	25
204		SC11/12	0	0	0	0	0	0	0	0	0	0	0	0	0
205		SC7	72	6	7	6	6	6	6	6	6	6	6	5	6
206			2,605	230	233	226	214	211	218	219	215	211	209	204	216
207			3,313	292	296	288	272	268	277	279	274	269	266	259	274

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Full Service Sales

Line	Rate Class	Includes	Total	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22
1				Full Service MWh- Summary by Rate Class											
2	Residential	SC-1	9,698,859	899,053	911,169	827,615	648,218	681,768	854,580	947,859	894,263	859,750	791,118	647,352	736,114
3	Residential TOU	SC-1C	148,090	13,767	13,945	12,660	9,910	10,418	13,051	14,467	13,642	13,109	12,056	9,860	11,206
4	Small Gen No Dem	SC-2-ND	425,767	38,216	38,461	37,332	33,685	32,745	36,315	37,218	35,508	34,839	34,156	31,815	35,477
5	Small Gen Demand	SC-2-Dem	1,661,051	148,845	149,737	145,211	131,286	126,961	140,771	145,305	139,303	136,581	134,358	123,472	139,222
6	Large Gen-Sec	SC-3-S	733,634	65,450	65,936	63,988	58,393	56,698	62,021	63,707	61,360	60,192	59,304	55,149	61,438
7	Large Gen-Pri	SC-3-P	220,805	19,687	19,838	19,253	17,604	17,106	18,657	19,143	18,455	18,105	17,842	16,633	18,481
8	Large Gen-Tran	SC-3-T	120,865	10,763	10,851	10,533	9,670	9,413	10,202	10,443	10,088	9,897	9,758	9,144	10,103
9	Large Gen TOU-S/P	SC-3A-S/P	57,081	5,057	5,112	4,965	4,663	4,580	4,789	4,833	4,722	4,633	4,581	4,419	4,728
10	Large Gen TOU-SubT	SC-3A-U	64,607	5,704	5,772	5,609	5,300	5,220	5,412	5,443	5,336	5,237	5,184	5,039	5,351
11	Large Gen TOU-Tran	SC-3A-T	906,841	79,794	80,828	78,584	74,709	73,764	75,837	76,033	74,770	73,427	72,760	71,243	75,093
12	Lighting	SC-L	77,373	5,772	5,306	4,838	5,132	5,717	6,231	7,173	7,607	8,185	7,980	6,751	6,682
13			14,114,974	1,292,109	1,306,954	1,210,588	998,569	1,024,389	1,227,866	1,331,623	1,265,054	1,223,954	1,149,097	980,875	1,103,895
14			14,114,974	*14,114,974 Check*											
15															
16				FS MWh											
17			1,660,742	148,817	149,709	145,184	131,261	126,936	140,744	145,278	139,278	136,555	134,333	123,448	139,196
18		SC-7	309	28	28	27	25	24	26	27	26	25	25	23	26
19	RNY	EDP	0	0	0	0	0	0	0	0	0	0	0	0	0
20			1,661,051	148,845	149,737	145,211	131,286	126,961	140,771	145,305	139,303	136,581	134,358	123,472	139,222
21	Large General-Sec	SC-3-S	727,150	64,882	65,359	63,427	57,856	56,166	61,480	63,166	60,826	59,667	58,784	54,636	60,901
22		SC-4	5,177	451	459	446	431	429	431	428	425	418	415	414	429
23		SC-7	1,307	117	118	114	105	103	110	112	109	107	105	99	108
24		SC-11/12	0	0	0	0	0	0	0	0	0	0	0	0	0
25	RNY	EDP	0	0	0	0	0	0	0	0	0	0	0	0	0
26	R&E	R&E	0	0	0	0	0	0	0	0	0	0	0	0	0
27	PP	PFJs	0	0	0	0	0	0	0	0	0	0	0	0	0
28			733,634	65,450	65,936	63,988	58,393	56,698	62,021	63,707	61,360	60,192	59,304	55,149	61,438
29															
30	Large General-Pri	SC-3-P	208,012	18,560	18,697	18,144	16,551	16,067	17,587	18,070	17,400	17,069	16,816	15,629	17,422
31		SC-4	8,218	717	728	709	685	680	684	680	675	663	659	658	680
32		SC-7	4,575	410	413	400	369	359	386	394	380	373	367	346	379
33		SC-11/12	0	0	0	0	0	0	0	0	0	0	0	0	0
34	RNY	EDP	0	0	0	0	0	0	0	0	0	0	0	0	0
35	R&E	R&E	0	0	0	0	0	0	0	0	0	0	0	0	0
36			220,805	19,687	19,838	19,253	17,604	17,106	18,657	19,143	18,455	18,105	17,842	16,633	18,481
37															

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Full Service Sales

Line	Rate Class	Includes	Total	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22
38				FS MWh											
39	Large General-SubT	SC-3-U	73,370	6,547	6,595	6,400	5,838	5,667	6,203	6,373	6,137	6,020	5,931	5,513	6,145
40		SC-4	6,011	524	532	518	501	498	501	497	494	485	482	481	498
41		SC-7	7,073	634	638	619	570	555	597	608	588	576	568	534	586
42		SC-11/12	0	0	0	0	0	0	0	0	0	0	0	0	0
43	RNY	EDP	0	0	0	0	0	0	0	0	0	0	0	0	0
44	R&E	R&E	0	0	0	0	0	0	0	0	0	0	0	0	0
45	PP	PFJs	0	0	0	0	0	0	0	0	0	0	0	0	0
46		STL	0	0	0	0	0	0	0	0	0	0	0	0	0
47	Large General-Tran	SC-3-T	26,670	2,380	2,397	2,326	2,122	2,060	2,255	2,317	2,231	2,188	2,156	2,004	2,234
48		SC-4	5,941	518	526	512	495	492	495	492	488	480	477	476	492
49		SC-7	1,800	161	162	157	145	141	152	155	150	147	144	136	149
50		SC-11/12	0	0	0	0	0	0	0	0	0	0	0	0	0
51	RNY	EDP	0	0	0	0	0	0	0	0	0	0	0	0	0
52	R&E	R&E	0	0	0	0	0	0	0	0	0	0	0	0	0
53			120,865	10,763	10,851	10,533	9,670	9,413	10,202	10,443	10,088	9,897	9,758	9,144	10,103
54															
55	Large General TOU-S	SC-3A-S	940	83	84	82	77	76	79	79	78	76	75	73	78
56			940	83	84	82	77	76	79	79	78	76	75	73	78
57															
58	Large General TOU-P	SC-3A-P	20,103	1,775	1,796	1,745	1,649	1,624	1,684	1,694	1,660	1,630	1,613	1,568	1,665
59		SC-4	12,305	1,073	1,090	1,061	1,025	1,019	1,025	1,018	1,010	993	987	985	1,019
60		SC-7	23,733	2,126	2,142	2,076	1,912	1,861	2,002	2,042	1,974	1,934	1,905	1,793	1,967
61		SC-11/12	0	0	0	0	0	0	0	0	0	0	0	0	0
62	RNY	EDP	0	0	0	0	0	0	0	0	0	0	0	0	0
63	R&E	R&E	0	0	0	0	0	0	0	0	0	0	0	0	0
64			56,142	4,974	5,028	4,883	4,586	4,504	4,711	4,754	4,644	4,557	4,506	4,346	4,650
65		SC-3A-S/P	57,081	5,057	5,112	4,965	4,663	4,580	4,789	4,833	4,722	4,633	4,581	4,419	4,728
66															
67	Large General TOU-U	SC-3A-U	64,607	5,704	5,772	5,609	5,300	5,220	5,412	5,443	5,336	5,237	5,184	5,039	5,351
68		SC-4	0	0	0	0	0	0	0	0	0	0	0	0	0
69		SC-7	0	0	0	0	0	0	0	0	0	0	0	0	0
70		SC-11/12	0	0	0	0	0	0	0	0	0	0	0	0	0
71	RNY	EDP	0	0	0	0	0	0	0	0	0	0	0	0	0
72	R&E	R&E	0	0	0	0	0	0	0	0	0	0	0	0	0
73			64,607	5,704	5,772	5,609	5,300	5,220	5,412	5,443	5,336	5,237	5,184	5,039	5,351
74	Large General TOU-T	SC-3A-T	652,751	57,633	58,317	56,668	53,549	52,737	54,678	54,998	53,907	52,917	52,379	50,907	54,060
75		SC-4	252,097	21,983	22,331	21,741	20,999	20,871	20,991	20,863	20,697	20,348	20,220	20,185	20,868
76		SC-7	1,994	179	180	174	161	156	168	172	166	162	160	151	165
77		SC-11/12	0	0	0	0	0	0	0	0	0	0	0	0	0
78	RNY	EDP	0	0	0	0	0	0	0	0	0	0	0	0	0
79	R&E	R&E	0	0	0	0	0	0	0	0	0	0	0	0	0
80		Fitz	0	0	0	0	0	0	0	0	0	0	0	0	0
81			906,841	79,794	80,828	78,584	74,709	73,764	75,837	76,033	74,770	73,427	72,760	71,243	75,093
82			971,448	85,498	86,600	84,193	80,009	78,984	81,249	81,476	80,106	78,665	77,944	76,281	80,444
83	Street Lighting	SC1_L	8,201	683	683	683	683	683	683	683	683	683	683	683	683
84		SC2_L	45,398	3,321	2,994	2,678	2,874	3,277	3,636	4,279	4,583	4,975	4,834	4,006	3,941
85		SC3_L	20,578	1,505	1,357	1,214	1,303	1,485	1,648	1,939	2,078	2,255	2,191	1,816	1,786
86		SC4_L	3,196	263	271	263	271	271	263	271	263	271	271	245	271
87			77,373	5,772	5,306	4,838	5,132	5,717	6,231	7,173	7,607	8,185	7,980	6,751	6,682

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Distribution Revenue at Current Rates

			Customer Charge			Demand Charge			kWh-Based Charge		
Line	Description	Includes	Annual Bills	Monthly Charge	Customer Chg Revenue	Billing Demand	Demand Charge	Demand Chg Revenue	kWh Deliveries X 1000	kWh-Based Chg	kWh-Based Chg Revenue
1	Residential	SC-1	18,135,032	$17.00	308,295,546				11,190,776	$0.06143	687,449,369
2	Residential TOU	SC-1C	63,142	$30.00	1,894,253				283,235	$0.03494	9,896,236
3	Small Gen No Dem	SC-2-ND	1,422,074	$21.02	29,892,006				621,729	$0.06744	41,929,377
4	Small Gen Demand	SC-2-Dem	592,744	$52.52	31,130,903	12,815,766	$12.44	159,428,126	3,845,253		
5	Large Gen-Sec	SC-3-S	44,626	$455.00	20,304,623	10,106,071	$11.21	113,289,057	3,955,765		
6	Large Gen-Pri	SC-3-P	8,867	$436.70	3,872,339	4,188,570	$9.89	41,424,954	1,843,952		
7	Large Gen-Tran	SC-3-T	2,126	$786.00	1,671,225	1,676,532	$2.99	5,012,831	705,886		
8	Large Gen TOU-S/P	SC-3A-S/P	822	$2,000.00	1,644,157	2,128,916	$10.77	22,928,428	966,522		
9	Large Gen TOU-SubT	SC-3A-U	839	$2,432.00	2,039,285	3,256,952	$3.76	12,246,141	1,584,597		
10	Large Gen TOU-Tran	SC-3A-T	1,185	$5,020.00	5,950,683	11,944,765	$3.39	40,492,753	7,011,351		
11	Lighting	SC-L	131,467	See below	29,066,424				185,454	See below	14,425,065
12			20,402,924		435,761,444	46,117,572		394,822,290	32,194,521		753,700,048
13			*20,402,924*	*Sales File*		*46,117,572*	*Sales File*		*32,194,521*	*Sales File*	
14			*0*	*Difference*		*0*	*Difference*		*-*	*Difference*	
15											
16											
17											
18											
19	Street Lighting										
20	SC1		78,848		1,631,856				19,658	$0.08834	1,736,556
21	SC2, SC5		18,494		26,628,643				108,814	$0.08834	9,612,638
22	SC3, SC6		3,023		13,038				49,322	$0.06065	2,991,377
23	SC4		31,102		792,888				7,660	$0.01103	84,493
24			131,467		29,066,424				185,454		14,425,065
25											

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Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)

Distribution Revenue at Current Rates

Line	Description	Includes	Fixed Charges: kVA	Fixed Charges: kVA Rate	Fixed Charges: kVA Charge Revenue	Distribution Revenue	FS MWh	Commodity Revenue	MFC Revenue	SBC	FS Commodity Revenue
1	Residential	SC-1			-	995,744,916	9,698,859	379,726,417	15,025,738	60,965,235	351,915,582
2	Residential TOU	SC-1C			-	11,790,489	148,090	6,155,220	239,900	1,543,012	5,742,601
3	Small Gen No Dem	SC-2-ND			-	71,821,383	425,767	17,141,615	650,111	3,387,060	15,113,775
4	Small Gen Demand	SC-2-Dem			-	190,559,028	1,661,051	66,801,277	811,826	20,919,198	58,124,065
5	Large Gen-Sec	SC-3-S	559,412	$0.85	475,500	134,069,180	733,634	33,927,448	353,842	20,859,031	25,031,304
6	Large Gen-Pri	SC-3-P	682,746	$0.85	580,334	45,877,627	220,805	11,434,525	106,004	9,024,367	7,466,826
7	Large Gen-Tran	SC-3-T	428,023	$0.85	363,820	7,047,876	120,865	5,216,185	56,238	3,050,871	3,844,648
8	Large Gen TOU-S/P	SC-3A-S/P	342,783	$1.02	349,638	24,922,223	57,081	3,654,786	26,367	3,954,589	1,789,598
9	Large Gen TOU-SubT	SC-3A-U	708,841	$1.02	723,018	15,008,444	64,607	5,249,504	28,440	7,391,847	1,834,915
10	Large Gen TOU-Tran	SC-3A-T	2,604,541	$1.02	2,656,632	49,100,068	906,841	38,531,025	412,389	22,941,910	27,547,776
11	Lighting	SC-L				43,491,489	77,373	2,691,387	33,566	1,010,318	2,252,868
12			5,326,345		5,148,942	1,589,432,722	14,114,974	570,529,390	17,744,422	155,047,437	500,663,957
13					*Sales File*	*1,589,432,722*	*14,114,974*	*570,529,390*	*17,744,421*	*155,047,437*	*500,663,957*
14					*Difference*	-	*0*	-	*0*	-	-
15					*Detail*	*1,589,432,722*					
16											
17											
18											
19	Street Lighting										
20	SC1					3,368,412	8,201	233,983	3,524	107,091	233,983
21	SC2, SC5					36,241,281	45,398	1,317,196	19,662	592,799	1,317,196
22	SC3, SC6					3,004,415	20,578	597,043	8,912	268,697	597,043
23	SC4					877,381	3,196	104,646	1,467	41,732	104,646
24						43,491,489	77,373	2,252,868	33,566	1,010,318	2,252,868
25											

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Rev-Other
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Other Revenue at Current Rates

Line	Service Classification	Delivery Revenue
1	**Other Retail Revenues**	
2	SBC and REP	155,047,437
3	Queensbury Underground Revenue	347,353
4	EZR / EJP Discounts	(2,065,000)
5	Merchant Function Charge	17,744,422
6	SC7 Discounts	(77,598)
7	Special L Revenues	1,154,124
8	Consolidated Billing Credits	(2,513,867)
9	DLM / Load Control	3,391,665
10	Transformer Credit	(280,635)
11	**Total Other Retail Revenues**	**172,747,900**
12		
13	**Miscellaneous Revenues**	
14	Wholesale Transmission	216,182,439
15	Late Payment Charges	13,553,107
16	T&D - Pole Attachments	17,967,088
17	T&D - CSS-Reestablishment Charge	2,541,776
18	T&D - Plant Leased to Others	2,017,023
19	T&D - Open Access Revenue - T&D	1,555,206
20	T&D - Other Misc Electric Revenue	42,778,899
21	**Total Miscellaneous Revenues**	**296,595,539**
22		

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Summary of Revenue at Current Rates

Line	Service Classification	Bills	MWh	Billed kW	Total Base Revenue	Full Service Commodity	ESCO Commodity	Total Commodity	GRT	Total Revenue
1	SC1 Residential	18,135,032	11,190,776		995,744,916	379,726,417		379,726,417	25,720,765	1,401,192,098
2	SC1C Residential TOU	63,142	283,235		11,790,489	6,155,220		6,155,220	340,960	18,286,669
3	SC2ND Small General No Demand	1,422,074	621,729		71,821,383	17,141,615		17,141,615	925,222	89,888,221
4	SC2D Small General Demand	592,744	3,845,253	12,815,766	190,559,028	66,801,277		66,801,277	2,818,979	260,179,285
5	SC3 Large General - Secondary	44,626	3,955,765	10,106,071	134,069,180	33,927,448		33,927,448	1,908,720	169,905,348
6	SC3 Large General - Primary	8,867	1,843,952	4,188,570	45,877,627	11,434,525		11,434,525	668,865	57,981,016
7	SC3 Large General - SubT / Trans	2,126	705,886	1,676,532	7,047,876	5,216,185		5,216,185	154,196	12,418,257
8	SC3A Large General - TOU - Sec / Prim	822	966,522	2,128,916	24,922,223	3,654,786		3,654,786	326,114	28,903,123
9	SC3A Large General - TOU - SubT	839	1,584,597	3,256,952	15,008,444	5,249,504		5,249,504	276,196	20,534,144
10	SC3A Large General - TOU - Trans	1,185	7,011,351	11,944,765	49,100,068	38,531,025		38,531,025	1,106,697	88,737,790
11	Total PSC 220	20,271,457	32,009,067	46,117,572	1,545,941,234	567,838,003	0	567,838,003	34,246,714	2,148,025,951
12										
13	Street Lighting - Total PSC No. 214	131,467	185,454	-	43,491,489	2,691,387		2,691,387	477,038	46,659,913
14										
15	Base Tariff Revenue	**20,402,924**	**32,194,521**	**46,117,572**	**1,589,432,722**	**570,529,390**	**0**	**570,529,390**	**34,723,752**	**2,194,685,865**
16										
17	Total Other Retail Revenues				172,747,900					172,747,900
18	Total Miscellaneous Revenues				296,595,539				20,494	296,616,033
19	Total Revenues Rate Year Ending June 30, 2022	**20,402,924**	**32,194,520,657**	**46,117,572**	**2,058,776,162**	**570,529,390**	**-**	**570,529,390**	**34,744,246**	**2,664,049,798**

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Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)

Transformer Costs

Line	Rate Class	Includes	Customers in Study	Total Transformer Costs in Study	Average Cost Per Customer	Average Customers	Total Transformers Cost
1	Residential	SC-1	1,502,791	753,807,132	$502	1,511,253	758,051,550
1	Residential TOU	SC-1C	0	In SC-1	$502	5,262	2,639,351
2	Small Gen No Dem	SC-2-ND	114,839	45,716,880	$398	118,506	47,176,779
3	Small Gen Demand	SC-2-Dem	49,497	246,625,085	$4,983	49,395	246,118,421
4	Large Gen-Sec	SC-3-S	3,968	122,539,238	$30,882	3,719	114,843,333
5	Large Gen-Pri	SC-3-P				739	0
6	Large Gen-Tran	SC-3-T				177	0
7	Large Gen TOU-S/P	SC-3A-S/P			$30,882	69	2,115,610
8	Large Gen TOU-SubT	SC-3A-U				70	0
9	Large Gen TOU-Tran	SC-3A-T				99	0
10	Lighting	SC-L				10,956	12,495,792
11			1,671,095	1,168,688,336	$708	1,700,244	1,183,440,836

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Transformer Cost Allocation to Rate Classes

Line	Transformer	Rate Code	Total Customers	Class NCP Per Customer	NCP of Customers on Transformer	Total NCP for Transforme	% of NCP for Transforme	Total Installed Cost	Allocated Transformer Cost
1	OH_1_10	SC-1	74,935	1.84	138,052		89.6544%	120,113,909	107,687,407
2	OH_1_10	SC-2-ND	6,816	1.36	9,297		6.0378%		7,252,256
3	OH_1_10	SC-2-Dem	392	16.92	6,633	153,982	4.3078%		5,174,246
4	OH_1_100	SC-1	12,398	1.84	22,841		24.5120%	4,962,682	1,216,454
5	OH_1_100	SC-2-ND	2,571	1.36	3,507		3.7635%		186,771
6	OH_1_100	SC-2-Dem	878	16.92	14,857		15.9442%		791,260
7	OH_1_100	SC-3-S	20	213.90	4,278		4.5910%		227,835
8	OH_1_100	SC-3-S	6	213.90	1,283		1.3773%		68,351
9	OH_1_100	SC-3-S	110	213.90	23,529		25.2503%		1,253,093
10	OH_1_100	SC-3-S	2	213.90	428		0.4591%		22,784
11	OH_1_100	SC-3-S	47	213.90	10,053		10.7888%		535,413
12	OH_1_100	SC-3-S	6	213.90	1,283		1.3773%		68,351
13	OH_1_100	SC-3-S	1	213.90	214		0.2295%		11,392
14	OH_1_100	SC-3-S	11	213.90	2,353		2.5250%		125,309
15	OH_1_100	SC-3-S	2	213.90	428		0.4591%		22,784
16	OH_1_100	SC-3-S	35	213.90	7,486		8.0342%		398,711
17	OH_1_100	SC-3-S	3	213.90	642	93,181	0.6886%		34,175
18	OH_1_167	SC-1	587	1.84	1,081		49.0461%	252,552	123,867
19	OH_1_167	SC-2-ND	121	1.36	165		7.4854%		18,905
20	OH_1_167	SC-2-Dem	44	16.92	745		33.7676%		85,281
21	OH_1_167	SC-3-S	1	213.90	214	2,205	9.7009%		24,500
22	OH_1_250	SC-1	45	1.84	83		80.8395%	32,040	25,901
23	OH_1_250	SC-2-ND	2	1.36	3		2.6601%		852
24	OH_1_250	SC-2-Dem	1	16.92	17		16.5003%		5,287
25	OH_1_250	SC-3-S	-	213.90	-	103	0.0000%		-
26	OH_1_15	SC-1	25,936	1.84	47,781		90.4262%	23,548,940	21,294,416
27	OH_1_15	SC-2-ND	1,575	1.36	2,148		4.0657%		957,429
28	OH_1_15	SC-2-Dem	172	16.92	2,910	52,840	5.5081%		1,297,096
29	OH_1_25	SC-1	595,254	1.84	1,096,627		88.7973%	346,491,809	307,675,321
30	OH_1_25	SC-2-ND	36,858	1.36	50,275		4.0709%		14,105,401
31	OH_1_25	SC-2-Dem	5,205	16.92	88,076	1,234,978	7.1318%		24,711,087
32	OH_1_37.5	SC-1	57,554	1.84	106,031		91.3933%	3,893,644	3,558,531
33	OH_1_37.5	SC-2-ND	2,507	1.36	3,420		2.9475%		114,766
34	OH_1_37.5	SC-2-Dem	388	16.92	6,566	116,016	5.6592%		220,347
35	OH_1_5	SC-1	3,165	1.84	5,831		85.3833%	1,427,949	1,219,230
36	OH_1_5	SC-2-ND	310	1.36	423		6.1919%		88,417
37	OH_1_5	SC-2-Dem	34	16.92	575	6,829	8.4248%		120,302
38	OH_1_50	SC-1	389,735	1.84	718,002		83.6683%	102,769,485	85,985,458
39	OH_1_50	SC-2-ND	23,502	1.36	32,057		3.7356%		3,839,050
40	OH_1_50	SC-2-Dem	6,388	16.92	108,094	858,154	12.5961%		12,944,977
41	OH_1_75	SC-1	30,222	1.84	55,677		63.4847%	9,794,225	6,217,836
42	OH_1_75	SC-2-ND	4,324	1.36	5,898		6.7250%		658,666
43	OH_1_75	SC-2-Dem	1,544	16.92	26,127	87,702	29.7902%		2,917,723

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Transformer Cost Allocation to Rate Classes

Line	Transformer	Rate Code	Total Customers	Class NCP Per Customer	NCP of Customers on Transformer	Total NCP for Transforme	% of NCP for Transforme	Total Installed Cost	Allocated Transformer Cost
1	OH_1_10	SC-1	74,935	1.84	138,052		89.6544%	120,113,909	107,687,407
2	OH_1_10	SC-2-ND	6,816	1.36	9,297		6.0378%		7,252,256
3	OH_1_10	SC-2-Dem	392	16.92	6,633	153,982	4.3078%		5,174,246
4	OH_1_100	SC-1	12,398	1.84	22,841		24.5120%	4,962,682	1,216,454
44	OH_3_15	SC-1	89	1.84	164		14.7840%	235,399	34,802
45	OH_3_15	SC-2-ND	85	1.36	116		10.4541%		24,609
46	OH_3_15	SC-2-Dem	49	16.92	829	1,109	74.7619%		175,989
47	OH_3_112.5	SC-1	460	1.84	847		10.0145%	1,404,411	140,644
48	OH_3_112.5	SC-2-ND	344	1.36	469		5.5449%		77,873
49	OH_3_112.5	SC-2-Dem	397	16.92	6,718		79.3854%		1,114,897
50	OH_3_112.5	SC-3-S	2	213.90	428	8,462	5.0553%		70,997
51	OH_3_150	SC-1	5,835	1.84	10,750		7.1011%	54,850,984	3,895,029
52	OH_3_150	SC-2-ND	4,885	1.36	6,663		4.4016%		2,414,336
53	OH_3_150	SC-2-Dem	6,653	16.92	112,578		74.3676%		40,791,354
54	OH_3_150	SC-3-S	100	213.90	21,390	151,381	14.1297%		7,750,265
55	OH_3_225	SC-1	2,388	1.84	4,399		6.0711%	20,326,496	1,234,037
56	OH_3_225	SC-2-ND	1,487	1.36	2,028		2.7990%		568,942
57	OH_3_225	SC-2-Dem	2,234	16.92	37,802		52.1669%		10,603,710
58	OH_3_225	SC-3-S	132	213.90	28,234	72,464	38.9630%		7,919,806
59	OH_3_30	SC-1	1,146	1.84	2,111		8.9714%	21,924,530	1,966,936
60	OH_3_30	SC-2-ND	1,848	1.36	2,521		10.7113%		2,348,394
61	OH_3_30	SC-2-Dem	1,117	16.92	18,901	23,533	80.3173%		17,609,200
62	OH_3_45	SC-1	574	1.84	1,057		11.5774%	5,505,427	637,388
63	OH_3_45	SC-2-ND	475	1.36	648		7.0935%		390,525
64	OH_3_45	SC-2-Dem	439	16.92	7,429	9,134	81.3291%		4,477,514
65	OH_3_300	SC-1	1,897	1.84	3,495		4.5404%	16,006,856	726,782
66	OH_3_300	SC-2-ND	1,230	1.36	1,678		2.1797%		348,903
67	OH_3_300	SC-2-Dem	1,677	16.92	28,377		36.8676%		5,901,340
68	OH_3_300	SC-3-S	203	213.90	43,421	76,971	56.4123%		9,029,830
69	OH_3_501	SC-1	455	1.84	838		1.9952%	7,265,423	144,960
70	OH_3_501	SC-2-ND	318	1.36	434		1.0324%		75,011
71	OH_3_501	SC-2-Dem	461	16.92	7,801		18.5676%		1,349,017
72	OH_3_501	SC-3-S	154	213.90	32,940	42,013	78.4047%		5,696,435
73	OH_3_75	SC-1	5,042	1.84	9,289		6.3095%	77,363,005	4,881,224
74	OH_3_75	SC-2-ND	6,590	1.36	8,989		6.1058%		4,723,617
75	OH_3_75	SC-2-Dem	7,620	16.92	128,941	147,219	87.5847%		67,758,165
76	OH_3_750	SC-1	61	1.84	112		5.3637%	35,707	1,915
77	OH_3_750	SC-2-ND	21	1.36	29		1.3672%		488
78	OH_3_750	SC-2-Dem	27	16.92	457		21.8062%		7,786
79	OH_3_750	SC-3-S	7	213.90	1,497	2,095	71.4629%		25,518
80	UG_1_15	SC-1	2,123	1.84	3,911		91.7775%	1,077,397	988,808
81	UG_1_15	SC-2-ND	46	1.36	63		1.4723%		15,863
82	UG_1_15	SC-2-Dem	17	16.92	288	4,262	6.7502%		72,726

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Transformer Cost Allocation to Rate Classes

Line	Transformer	Rate Code	Total Customers	Class NCP Per Customer	NCP of Customers on Transformer	Total NCP for Transforme	% of NCP for Transforme	Total Installed Cost	Allocated Transformer Cost
1	OH_1_10	SC-1	74,935	1.84	138,052		89.6544%	120,113,909	107,687,407
2	OH_1_10	SC-2-ND	6,816	1.36	9,297		6.0378%		7,252,256
3	OH_1_10	SC-2-Dem	392	16.92	6,633	153,982	4.3078%		5,174,246
4	OH_1_100	SC-1	12,398	1.84	22,841		24.5120%	4,962,682	1,216,454
83	UG_1_100	SC-1	31,181	1.84	57,444		53.5514%	15,711,757	8,413,863
84	UG_1_100	SC-2-ND	2,232	1.36	3,044		2.8382%		445,926
85	UG_1_100	SC-2-Dem	464	16.92	7,852		7.3195%		1,150,017
86	UG_1_100	SC-3-S	1	213.90	214		0.1994%		31,329
87	UG_1_100	SC-3-S	10	213.90	2,139		1.9940%		313,294
88	UG_1_100	SC-3-S	3	213.90	642		0.5982%		93,988
89	UG_1_100	SC-3-S	166	213.90	35,507		33.1006%		5,200,681
90	UG_1_100	SC-3-S	2	213.90	428	107,269	0.3988%		62,659
91	UG_1_167	SC-1	7,730	1.84	14,241		72.7757%	2,440,890	1,776,375
92	UG_1_167	SC-2-ND	691	1.36	943		4.8167%		117,570
93	UG_1_167	SC-2-Dem	158	16.92	2,674		13.6630%		333,498
94	UG_1_167	SC-3-S	8	213.90	1,711	19,568	8.7447%		213,448
95	UG_1_25	SC-1	64,352	1.84	118,555		89.7377%	99,177,769	88,999,866
96	UG_1_25	SC-2-ND	2,459	1.36	3,354		2.5388%		2,517,962
97	UG_1_25	SC-2-Dem	603	16.92	10,204	132,112	7.7234%		7,659,940
98	UG_1_37.5	SC-1	2,530	1.84	4,661		93.9295%	1,072,387	1,007,288
99	UG_1_37.5	SC-2-ND	134	1.36	183		3.6834%		39,500
100	UG_1_37.5	SC-2-Dem	7	16.92	118	4,962	2.3870%		25,598
101	UG_1_50	SC-1	95,030	1.84	175,072		91.8400%	74,952,572	68,836,469
102	UG_1_50	SC-2-ND	3,179	1.36	4,336		2.2747%		1,704,950
103	UG_1_50	SC-2-Dem	663	16.92	11,219	190,627	5.8853%		4,411,153
104	UG_1_75	SC-1	35,159	1.84	64,773		88.9339%	20,866,502	18,557,384
105	UG_1_75	SC-2-ND	1,815	1.36	2,476		3.3992%		709,284
106	UG_1_75	SC-2-Dem	330	16.92	5,584	72,833	7.6670%		1,599,834
107	UG_3_1000	SC-1	7,987	1.84	14,714		9.2117%	15,658,533	1,442,410
108	UG_3_1000	SC-2-ND	943	1.36	1,286		0.8052%		126,090
109	UG_3_1000	SC-2-Dem	1,365	16.92	23,098		14.4600%		2,264,220
110	UG_3_1000	SC-3-S	564	213.90	120,637	159,736	75.5231%		11,825,813
111	UG_3_150	SC-1	4,624	1.84	8,519		20.0590%	14,157,436	2,839,840
112	UG_3_150	SC-2-ND	987	1.36	1,346		3.1701%		448,804
113	UG_3_150	SC-2-Dem	1,320	16.92	22,336		52.5952%		7,446,131
114	UG_3_150	SC-3-S	48	213.90	10,267	42,468	24.1757%		3,422,662
115	UG_3_1500	SC-1	1,085	1.84	1,999		2.7117%	10,823,033	293,487
116	UG_3_1500	SC-2-ND	141	1.36	192		0.2609%		28,238
117	UG_3_1500	SC-2-Dem	384	16.92	6,498		8.8150%		954,048
118	UG_3_1500	SC-3-S	304	213.90	65,024	73,714	88.2124%		9,547,260
119	UG_3_2000	SC-1	482	1.84	888		3.1994%	4,137,527	132,375
120	UG_3_2000	SC-2-ND	69	1.36	94		0.3391%		14,030
121	UG_3_2000	SC-2-Dem	217	16.92	3,672		13.2299%		547,393

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Transformer Cost Allocation to Rate Classes

Line	Transformer	Rate Code	Total Customers	Class NCP Per Customer	NCP of Customers on Transformer	Total NCP for Transforme	% of NCP for Transforme	Total Installed Cost	Allocated Transformer Cost
1	OH_1_10	SC-1	74,935	1.84	138,052		89.6544%	120,113,909	107,687,407
2	OH_1_10	SC-2-ND	6,816	1.36	9,297		6.0378%		7,252,256
3	OH_1_10	SC-2-Dem	392	16.92	6,633	153,982	4.3078%		5,174,246
4	OH_1_100	SC-1	12,398	1.84	22,841		24.5120%	4,962,682	1,216,454
122	UG_3_2000	SC-3-S	108	213.90	23,101	27,755	83.2316%		3,443,729
123	UG_3_2500	SC-1	229	1.84	422		1.0800%	7,072,432	76,381
124	UG_3_2500	SC-2-ND	68	1.36	93		0.2374%		16,793
125	UG_3_2500	SC-2-Dem	243	16.92	4,112		10.5261%		744,453
126	UG_3_2500	SC-3-S	161	213.90	34,437	39,064	88.1565%		6,234,805
127	UG_3_300	SC-1	12,689	1.84	23,377		16.3156%	27,263,668	4,448,223
128	UG_3_300	SC-2-ND	1,586	1.36	2,163		1.5099%		411,648
129	UG_3_300	SC-2-Dem	2,420	16.92	40,950		28.5806%		7,792,113
130	UG_3_300	SC-3-S	359	213.90	76,789	143,279	53.5940%		14,611,685
131	UG_3_3000	SC-1	-	1.84	-		0.0000%	248,398	-
132	UG_3_3000	SC-2-ND	10	1.36			0.0000%		-
133	UG_3_3000	SC-2-Dem	23	16.92	389		20.6308%		51,246
134	UG_3_3000	SC-3-S	7	213.90	1,497	1,886	79.3692%		197,151
135	UG_3_500	SC-1	16,121	1.84	29,699		13.0703%	29,645,171	3,874,700
136	UG_3_500	SC-2-ND	1,835	1.36	2,503		1.1015%		326,547
137	UG_3_500	SC-2-Dem	2,538	16.92	42,947		18.9001%		5,602,973
138	UG_3_500	SC-3-S	711	213.90	152,080	227,229	66.9281%		19,840,951
139	UG_3_75	SC-1	3,827	1.84	7,050		23.7824%	6,979,146	1,659,809
140	UG_3_75	SC-2-ND	1,207	1.36	1,646		5.5535%		387,588
141	UG_3_75	SC-2-Dem	1,238	16.92	20,949	29,646	70.6641%		4,931,750
142	UG_3_750	SC-1	9,864	1.84	18,172		9.3327%	19,198,244	1,791,719
143	UG_3_750	SC-2-ND	1,568	1.36	2,139		1.0984%		210,876
144	UG_3_750	SC-2-Dem	1,787	16.92	30,239		15.5296%		2,981,414
145	UG_3_750	SC-3-S	674	213.90	144,166	194,716	74.0392%		14,214,236
			1,671,095		4,611,497	4,611,497		1,168,688,336	1,168,688,336

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Xfmr_Cost
E-RDP-3CU, Sch. 9L

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)

			Transformer Unit Costs			
Line	Transformer Type	Number	Total Unit Cost-	Total Installed Cost	kVA Rating	Cost Per kVA
1	OH_1_10	67,209	1,787.17	120,113,909	10	$179
2	OH_1_5	1,598	893.59	1,427,949	5	$179
3	OH_1_15	12,244	1,923.30	23,548,940	15	$128
4	OH_1_25	178,320	1,943.09	346,491,809	25	$78
5	OH_1_37.5	1,660	2,345.57	3,893,644	37.5	$63
6	OH_1_50	43,387	2,368.67	102,769,485	50	$47
7	OH_1_75	3,471	2,821.73	9,794,225	75	$38
8	OH_1_100	1,550	3,201.73	4,962,682	100	$32
9	OH_1_167	59	4,280.54	252,552	167	$26
10	OH_1_250	5	6,407.99	32,040	250	$26
11	OH_3_15	109	2,159.63	235,399	10	$216
12	OH_3_30	3,384	6,478.88	21,924,530	30	$216
13	OH_3_45	789	6,977.73	5,505,427	45	$155
14	OH_3_75	10,955	7,061.89	77,363,005	75	$94
15	OH_3_112.5	167	8,409.65	1,404,411	112.5	$75
16	OH_3_150	6,607	8,301.95	54,850,984	150	$55
17	OH_3_225	1,940	10,477.58	20,326,496	225	$47
18	OH_3_300	1,412	11,336.30	16,006,856	300	$38
19	OH_3_501	512	14,190.28	7,265,423	500	$28
20	OH_3_750	2	17,853.73	35,707	750	$24
21	UG_1_15	552	1,951.81	1,077,397	15	$130
22	UG_1_25	30,488	3,253.01	99,177,769	25	$130
23	UG_1_37.5	285	3,762.76	1,072,387	37.5	$100
24	UG_1_50	21,245	3,528.01	74,952,572	50	$71
25	UG_1_75	5,349	3,901.01	20,866,502	75	$52
26	UG_1_100	3,732	4,210.01	15,711,757	100	$42
27	UG_1_167	521	4,685.01	2,440,890	167	$28
28	UG_3_75	704	9,913.56	6,979,146	75	$132
29	UG_3_150	1,464	9,670.38	14,157,436	150	$64
30	UG_3_300	2,231	12,220.38	27,263,668	300	$41
31	UG_3_500	2,139	13,859.36	29,645,171	500	$28
32	UG_3_750	1,290	14,882.36	19,198,244	750	$20
33	UG_3_1000	946	16,552.36	15,658,533	1,000	$17
34	UG_3_1500	531	20,382.36	10,823,033	1,500	$14
35	UG_3_2000	145	28,534.67	4,137,527	2,000	$14
36	UG_3_2500	205	34,499.67	7,072,432	2,500	$14
37	UG_3_3000	6	41,399.60	248,398	3,000	$14
38		407,213		1,168,688,336		

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Services Costs

Line	Rate Class	Includes		Average Services Cost	Customers	Total Services Cost	% Residential-2012
1	Residential	SC-1		$1,469	1,511,253	2,219,290,189	1.0000
2	Residential TOU	SC-1C		$1,469	5,262	7,727,028	1.0634
3	Small Gen No Dem	SC-2-ND		$2,499	118,506	296,176,940	1.1368
4	Small Gen Demand	SC-2-Dem		$3,530	49,395	174,365,198	1.3679
5	Large Gen-Sec	SC-3-S		$3,530	3,719	13,127,328	1.1372
6	Large Gen-Pri	SC-3-P		$3,530	739	2,608,453	
7	Large Gen-Tran	SC-3-T		$3,530	177	625,468	
8	Large Gen TOU-S/P	SC-3A-S/P		$3,530	69	241,828	
9	Large Gen TOU-SubT	SC-3A-U		$3,530	70	246,665	
10	Large Gen TOU-Tran	SC-3A-T		$3,530	99	348,703	
11	Lighting	SC-L			10,956	0	
12					1,700,244	2,714,757,800	
13	*Check*						
14							
15	Residential OH conductors	85' of #1/0 Triplex Conductor	Short side		575.18		
16		About 80% of Res OH	Long side		1,222.55		
17			Average		898.87		49%
18	Residential UG connections	Labor only to connect to Transformer (for 90' #4/0 3/C)			1,029.60		
19	Average for Residential				**1,468.51**		
20							
21	Commercial OH conductors	336 Quadruplex Conductor	Short side		1,708.41		
22		About 80% of Commercial C	Long side		1,815.88		
23			Average		1,762.15		49%
24	Commercial UG connections	Labor only to connect to Transformer (for 90' #4/0 4/C)			2,669.55		
25	Average for Commercial				**3,529.99**		
26							
27	SC2 ND and SC2-Demand	Average of Residential and Commercial			**2,499.25**		
28							

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Meters
E-RDP-3CU, Sch. 9N

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)

Line	Rate Class	Includes	Meter Costs Unit Costs (a) Average Meter Cost	Average CT / VT Cost	Total	Customers	Extended Meter Cost	Extended CT / VT Cost	Extended Cost
1	Residential	SC-1	274.87	0.00	274.87	1,511,253	415,402,004	0	415,402,004
1	Residential TOU	SC-1C	571.09	0.00	571.09	5,262	3,004,956	0	3,004,956
2	Small Gen No Dem	SC-2-ND	310.88	0.00	310.88	118,506	36,840,804	0	36,840,804
3	Small Gen Demand	SC-2-Dem	1,268.76	1,710.98	2,979.74	49,395	62,670,754	84,514,293	147,185,047
4	Large Gen-Sec	SC-3-S	1,697.82	1,947.46	3,645.29	3,719	6,313,857	7,242,217	13,556,073
5	Large Gen-Pri	SC-3-P	2,251.25	5,868.67	8,119.93	739	1,663,540	4,336,596	6,000,136
6	Large Gen-Tran	SC-3-T	12,134.52	56,641.34	68,775.86	177	2,150,076	10,036,094	12,186,169
7	Large Gen TOU-S/P	SC-3A-S/P	2,722.84	3,144.38	5,867.22	69	186,532	215,410	401,943
8	Large Gen TOU-SubT	SC-3A-U	12,134.52	56,641.34	68,775.86	70	847,922	3,957,917	4,805,839
9	Large Gen TOU-Tran	SC-3A-T	12,134.52	56,641.34	68,775.86	99	1,198,683	5,595,197	6,793,880
10	Lighting	SC-L				10,956	0	0	0
11						1,700,244	530,279,128	115,897,723	646,176,851
12									

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Corrections and Updates
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Meter_Cost
E-RDP-3CU, Sch. 9O

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)

Meter Costs Detail

Line	Meter Description	Number	Meter	Labor	Transport/ Other	CT/VT cost	CT/VT Labor & other equip	Total	CT / VT Cost
1	Residential Nonheat and Heat								
2	Single Phase 100A 120V	13,384	83.58	175.30	45.57			304.46	
3	Single Phase 200A 240V	1,449,944	54.86	175.30	41.48			271.64	
4	Single Phase 320A 240V	2,978	91.84	175.30	46.75			313.89	
5	Network 200A 208V	74,471	89.00	175.30	46.34			310.64	
6	3-phase >400A	2,839	522.75	175.30	108.15			806.21	
7		1,543,616						274.87	
8									
9	Residential Time of Use								
10	Single Phase 200A 240V	3,523	252.19	175.30	69.60			497.09	
11	Single Phase 320A 240V	450	248.25	175.30	69.04			492.59	
12	Network > 200A	10	89.00	175.30	46.34			310.64	
13	3-phase >400A	1,270	522.75	175.30	108.15			806.21	
14		5,253						571.09	
15									
16	Small General Non Demand								
17	Single Phase 200A 240V	93,148	54.86	175.30	41.48			271.64	
18	Single Phase 320A 240V	1,459	91.84	175.30	46.75			313.89	
19	Network 200A 208V	7,082	89.00	175.30	46.34			310.64	
20	Three Phase 200A 208V	20,479	245.28	175.30	68.61			489.20	
21		122,168						310.88	
22	Small General Demand								
23	Single Phase 200A 240V	12,808	245.28	175.30	68.61			489.20	
24	Single Phase 320A 240V	2,598	318.60	175.30	79.06			572.96	
25	Network 200A 208V	1,465	171.97	175.30	58.17			405.44	
26	Three Phase 200A 208V	14,421	245.28	175.30	68.61			489.20	
27	Three Phase >= 400A 208V & 480V	4,996	318.60	692.35	431.56	693.14	1,036.05	3,171.70	1,729.19
28	Three Phase >= 400A Primary Voltage	15,015	904.22	883.59	1,041.45	2,613.68	2,657.00	8,099.94	5,270.68
29		51,303						2,979.74	1,710.98
30									
31	Large General Secondary	3,739	522.75	692.35	482.72	693.14	1,254.32	3,645.29	1,947.46
32									
33	Large General Primary	735	522.75	692.35	1,036.15	3,375.42	2,493.25	8,119.93	5,868.67
34									
35	Large Time of Use Secondary	55	706.58	692.35	473.50	678.98	1,019.96	3,571.37	1,698.94
36	Large Time of Use Primary	46	1,949.73	692.35	1,097.56	2,613.68	2,258.94	8,612.25	4,872.62
37		101						5,867.22	3,144.38
38									
39	Large General Subtransmission	138	904.22	1,074.83	4,169.23	18,853.44	8,078.13	33,079.86	26,931.58
40	Large General Transmission	38	4,044.99	1,074.83	15,927.78	78,764.72	27,655.78	127,468.09	106,420.50
41	Large Time of Use Subtransmission	50	1,426.98	1,074.83	4,250.86	18,856.29	8,125.34	33,734.29	26,981.63
42	Large Time of Use Transmission	71	5,090.49	1,266.07	16,432.84	78,890.05	29,741.77	131,421.23	108,631.82

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Corrections and Updates
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Acct903
E-RDP-3CU, Sch. 9P

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Customer Records and Accounting- Account 903

Line	Activity	Total Historical	Allocator	Total	Residential	Residential TOU	Small General No Dem	Small General Demand	Large General-Sec	Large General-Pri	Large General-Tran	Large General TOU-S/P	Large General TOU-U	Large General TOU-T	Lighting
					SC-1	SC-1C	SC-2-ND	SC-2-Dem	SC-3-S	SC-3-P	SC-3-T	SC-3A-S/P	SC-3A-U	SC-3A-T	SC-L
1	Credit & Collections	5,013,599	Collections	5,013,599	4,782,542	62,398	19,574	56,626	36,963	12,610	2,698	6,288	4,457	19,281	10,161
2	Field Collections	9,754,459	Collections	9,754,459	9,304,916	121,401	38,083	110,171	71,916	24,534	5,250	12,233	8,672	37,513	19,770
3	Print & Mail	12,616,910	Bills	12,616,910	11,214,475	39,046	879,393	366,545	27,596	5,483	1,315	508	519	733	81,298
4	Account Maintenance	2,557,406	Customers	2,557,406	2,273,137	7,915	178,250	74,298	5,594	1,111	267	103	105	149	16,479
5	Payment Processing	2,296,416	Bills	2,296,416	2,041,157	7,107	160,059	66,715	5,023	998	239	93	94	133	14,797
6	Call Center	8,415,112	Customers	8,415,112	7,479,728	26,043	586,529	244,475	18,406	3,657	877	339	346	489	54,223
7		40,653,903		40,653,903	37,095,955	263,908	1,861,889	918,830	165,497	48,395	10,646	19,564	14,193	58,298	196,728
8	To BILLING Function	(11,276,994)		(5,638,497)	(5,011,749)	(17,450)	(393,001)	(163,809)	(12,333)	(2,451)	(588)	(227)	(232)	(328)	(36,332)
9	To COLLECTIONS FUNCTION	(3,185,972)		(1,592,986)	(1,448,936)	(9,675)	(77,643)	(37,268)	(6,115)	(1,748)	(386)	(680)	(496)	(2,015)	(8,023)
10		26,190,936		33,422,419	30,635,270	236,784	1,391,245	717,752	147,049	44,196	9,672	18,657	13,466	55,956	152,373
11															
12	**Acct903 Allocator**			**100.00%**	**91.66%**	**0.71%**	**4.16%**	**2.15%**	**0.44%**	**0.13%**	**0.03%**	**0.06%**	**0.04%**	**0.17%**	**0.46%**
13	Collections / (Collections plus Billing)														
14		61.03%			5	6	7	8	9	10	11	12	13	14	15
15															
16															
17	Print & Mail	Billing Portion	44.69%	5,638,497	5,011,749	17,450	393,001	163,809	12,333	2,451	588	227	232	328	36,332
18	Call Center	Billing Portion	17.69%	1,488,633	1,323,164	4,607	103,757	43,248	3,256	647	155	60	61	86	9,592
19	Total to BILLING			7,127,131	6,334,913	22,057	496,758	207,057	15,589	3,098	743	287	293	414	45,924
20	**Acct903BILL Allocator**			**100.00%**	**88.88%**	**0.31%**	**6.97%**	**2.91%**	**0.22%**	**0.04%**	**0.01%**	**0.00%**	**0.00%**	**0.01%**	**0.64%**
21															
22	Call Center	Collections Por	12.90%	1,085,549	964,885	3,359	75,662	31,537	2,374	472	113	44	45	63	6,995
23	Credit & Collections	Collections Por	10.12%	507,436	484,051	6,315	1,981	5,731	3,741	1,276	273	636	451	1,951	1,028
24	Total to COLLECTIONS			1,592,986	1,448,936	9,675	77,643	37,268	6,115	1,748	386	680	496	2,015	8,023
25	**Acct903COLL Allocator**			**100.00%**	**90.96%**	**0.61%**	**4.87%**	**2.34%**	**0.38%**	**0.11%**	**0.02%**	**0.04%**	**0.03%**	**0.13%**	**0.50%**

Exhibit_____ (E-RDP-3CU)
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Corrections and Updates
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Acct908
E-RDP-3CU, Sch. 9Q

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Customer Assistance- Account 908

Line	Activity	Total Planned	Allocator	Total	Residential SC-1	Residential TOU SC-1C	Small General No Dem SC-2-ND	Small General Demand SC-2-Dem	Large General-Sec SC-3-S	Large General-Pri SC-3-P	Large General-Tran SC-3-T	Large General TOU-S/P SC-3A-	Large General TOU-U SC-3A-U	Large General TOU-T SC-3A-T	Lighting SC-L
1	**Ongoing Activities**														
2	Energy Efficiency-MWh	2,264,189	MWh-Pri	2,264,189	1,118,607	28,312	62,147	384,194	395,410	180,527	-	94,993	-	-	
3	Energy Efficiency-NCP	2,237,613	NCP_Pri	2,216,117	1,207,312	24,763	70,095	362,451	344,930	138,181	-	68,386	-	-	
4	Residential	3,563,938	MWh-Pri-Res	3,563,938	3,475,963	87,976	-	-	-	-	-	-	-	-	
5	Commercial	8,501,236	MWh-Pri-CI	8,501,236	-	-	472,870	2,923,309	3,008,648	1,373,614	-	722,795	-	-	
6	AMI	1,335,556	Customers	1,326,951	1,187,102	4,133	93,088	38,800	2,921	580	139	54	55	78	
7	Customers	90,188	Customers	89,607	80,163	279	6,286	2,620	197	39	9	4	4	5	
8		**17,992,721**		**17,962,038**	**7,069,147**	**145,463**	**704,485**	**3,711,374**	**3,752,107**	**1,692,941**	**149**	**886,231**	**59**	**83**	
9															
10	**Acct908 Allocator**			**100.00%**	**39.36%**	**0.81%**	**3.92%**	**20.66%**	**20.89%**	**9.43%**	**0.00%**	**4.93%**	**0.00%**	**0.00%**	

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Corrections and Updates
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Aging
E-RDP-3CU, Sch. 9R

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Aging Analysis

			Revenue		Revenue %		Collection Weights						
							-	1	2	3	5	Weighted	Weighted
Line	**Rate Class**	**Includes**	**Res**	**C&I**	**Res-H %**	**C&I %**	**Collect-Dol 31-60**	**Collect-Dol 61-90**	**Collect-Dol 91-120**	**Collect-Dol 121-180**	**Collect-Dol >180**	**Collect-Dol**	**Collect-Nun**
1	Residential	SC-1	1,375,471		99%		16,737	13,323	10,143	13,864	107,986	615,130	
2	Residential TOU	SC-1C	17,946		1%		218	174	132	181	1,409	8,026	
3	Small Gen No Dem	SC-2-ND		88,963		12%	448	197	90	83	379	2,518	
4	Small Gen Demand	SC-2-Dem		257,360		34%	1,297	569	260	239	1,095	7,283	
5	Large Gen-Sec	SC-3-S		167,997		22%	847	372	170	156	715	4,754	
6	Large Gen-Pri	SC-3-P		57,312		7%	289	127	58	53	244	1,622	
7	Large Gen-Tran	SC-3-T		12,264		2%	62	27	12	11	52	347	
8	Large Gen TOU-S/P	SC-3A-S/P		28,577		4%	144	63	29	27	122	809	
9	Large Gen TOU-SubT	SC-3A-U		20,258		3%	102	45	20	19	86	573	
10	Large Gen TOU-Tran	SC-3A-T		87,631		11%	442	194	88	81	373	2,480	
11	Lighting	SC-L		46,183		6%	233	102	47	43	197	1,307	
12			1,393,417	766,545	100%	100%	20,819	15,193	11,049	14,757	112,657	644,848	
13	*Check*												
14													
15													

16		**31-60**	**61-90**	**91-120**	**121-180**	**>180**	**0-30**	**Total**
17	Residential	16,955	13,497	10,275	14,045	109,395	85,376	249,543
18	Non-Residential	3,864	1,696	774	712	3,263	50,596	60,904
19	All	20,819	15,193	11,049	14,757	112,657	135,972	310,447
20	Weighted	0	15,193	22,099	44,270	563,287		644,848
21								
22								

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WOffs
E-RDP-3CU, Sch. 9S

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Write-Offs

Line	Rate Class	Includes	Average Net Write-Offs 2014-2019	Annual Revenue Non-Commodity	Imputed Commodity plus POR Revenue	Revenue Basis for Write-Offs	Net as % Revenue	Delivery Net Write-Offs	Commodity-Related Net Write-Offs
1	Residential	SC-1	36,878,469	995,744,916	379,726,417	1,375,471,333	2.68%	26,697,429	10,181,040
1	Residential TOU	SC-1C	75,379	11,790,489	6,155,220	17,945,709	0.42%	49,525	25,854
2	Small Gen No Dem	SC-2-ND	620,800	71,821,383	17,141,615	88,962,998	0.70%	501,183	119,617
3	Small Gen Demand	SC-2-Dem	1,068,417	190,559,028	66,801,277	257,360,306	0.42%	791,095	277,322
4	Large Gen-Sec	SC-3-S	302,652	134,069,180	33,927,448	167,996,628	0.18%	241,531	61,122
5	Large Gen-Pri	SC-3-P	103,566	45,877,627	11,434,525	57,312,151	0.18%	82,903	20,663
6	Large Gen-Tran	SC-3-T	15,910	7,047,876	5,216,185	12,264,061	0.13%	9,143	6,767
7	Large Gen TOU-S/P	SC-3A-S/P	56,781	24,922,223	3,654,786	28,577,009	0.20%	49,519	7,262
8	Large Gen TOU-SubT	SC-3A-U	34,194	15,008,444	5,249,504	20,257,948	0.17%	25,333	8,861
9	Large Gen TOU-Tran	SC-3A-T	111,865	49,100,068	38,531,025	87,631,093	0.13%	62,679	49,187
10	Lighting	SC-L		43,491,489	2,691,387	46,182,876	0.00%	0	0
11			39,268,033	1,589,432,722	570,529,390	2,159,962,113	1.82%	28,510,338	10,757,694
12	*Check*		*39,268,033*					Total	39,268,033
13								Commodity %	27.4%
14									

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Demand
E-RDP-3CU, Sch. 9T

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Demand Allocators

Line	Rate Class	12 Months 8/31/2009	12 Months 9/30/2010	12 Months 11/30/2011	12 Months 12/31/2014			12 Months 12/31/2015		
		Load Factor at NCP	Load Factor at NCP	Load Factor at NCP	Historical MWh	Historical Class NCP	Load Factor at NCP	Historical MWh	Historical Class NCP	Load Factor at NCP
1	Residential	45.5%	40.4%	43.2%	12,519,955	2,798	51.1%	12,646,315	2,988	48.3%
2	Residential TOU	48.4%	51.1%	61.8%	372,116	73	58.5%	364,349	72	57.8%
3	Small Gen No Dem	42.4%	39.0%	41.4%	702,776	165	48.7%	704,195	168	47.8%
4	Small Gen Demand	47.1%	47.9%	54.5%	4,743,864	941	57.6%	4,834,640	1,019	54.2%
5	Large Gen-Sec	48.0%	54.8%	56.0%	4,919,593	946	59.4%	4,929,796	937	60.1%
6	Large Gen-Pri	65.4%	63.0%	68.6%	2,185,793	373	66.9%	2,171,457	377	65.8%
7	Large Gen-Tran	67.9%	73.5%	73.0%	742,064	126	67.2%	719,493	124	66.2%
8	Large Gen TOU-S/P	65.7%	65.1%	72.6%	1,477,387	239	70.6%	1,447,457	230	71.7%
9	Large Gen TOU-SubT	72.6%	68.9%	73.1%	1,915,389	296	74.0%	1,890,188	288	74.9%
10	Large Gen TOU-Tran	72.6%	78.9%	61.3%	7,546,260	1,020	84.4%	7,793,021	1,072	83.0%
11	Lighting	41.8%	35.5%	44.0%	221,916	57	44.5%	221,151	57	44.7%
12	System	52.9%	51.6%	53.0%	37,347,112	7,032	60.6%	37,722,061	7,331	58.7%
13	*Check=*									
14										
15					12 Months 12/31/2014			12 Months 12/31/2015		
16	Rate Class	Load Factor at 1CP	Load Factor at 1CP	Load Factor at 1CP	Historical MWh	Historical Contribute to 1CP	Load Factor at 1CP	Historical MWh	Historical Contribute to 1CP	Load Factor at 1CP
17	Residential	51.7%	43.4%	45.4%	12,519,955	2,574	55.5%	12,646,315	2,705	53.4%
18	Residential TOU	69.9%	61.5%	61.8%	372,116	58	73.0%	364,349	64	65.4%
19	Small Gen No Dem	42.4%	39.7%	46.0%	702,776	165	48.7%	704,195	152	52.8%
20	Small Gen Demand	54.1%	50.1%	57.5%	4,743,864	936	57.8%	4,834,640	954	57.8%
21	Large Gen-Sec	53.0%	61.9%	63.2%	4,919,593	834	67.4%	4,929,796	819	68.7%
22	Large Gen-Pri	68.1%	68.7%	76.3%	2,185,793	334	74.7%	2,171,457	328	75.7%
23	Large Gen-Tran	88.1%	80.8%	80.7%	742,064	113	75.2%	719,493	113	72.9%
24	Large Gen TOU-S/P	74.8%	69.2%	76.6%	1,477,387	214	79.0%	1,447,457	205	80.4%
25	Large Gen TOU-SubT	87.8%	75.6%	77.2%	1,915,389	262	83.5%	1,890,188	269	80.2%
26	Large Gen TOU-Tran	87.8%	94.0%	90.7%	7,546,260	891	96.7%	7,793,021	976	91.1%
27	Lighting	1494.3%	1520.1%	1834.8%	221,916	1	2106.2%	221,151	1	2079.6%
28	System	60.9%	56.7%	59.5%	37,347,112	6,381	66.8%	37,722,061	6,587	65.4%
29	*Check=*									

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Demand
E-RDP-3CU, Sch. 9T

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Demand Allocators

		12 Months 9/30/2016			12 Months 12/31/2018			Rate Year 6/30/2022				
Line	Rate Class	Historical MWh	Historical Class NCP	Load Factor at NCP	Historical MWh	Historical Class NCP	Load Factor at NCP	Average Load Factor for NCP	Rate Year MWh	Rate Year Class NCP-Transmission	Rate Year Class NCP-Primary	Rate Year Class NCP-Secondary
1	Residential	12,646,315	3,062	47.2%	12,583,916	3,158	45.5%	45.9%	11,190,776	2,784	2,784	2,784
2	Residential TOU	364,349	68	61.5%	339,128	68	57.2%	56.6%	283,235	57	57	57
3	Small Gen No Dem	704,195	183	43.9%	712,326	184	44.1%	43.9%	621,729	162	162	162
4	Small Gen Demand	4,834,640	1,033	53.4%	4,630,977	999	52.9%	52.5%	3,845,253	836	836	818
5	Large Gen-Sec	4,929,796	948	59.4%	4,717,593	901	59.8%	56.8%	3,955,765	795	795	795
6	Large Gen-Pri	2,171,457	374	66.3%	2,148,830	370	66.3%	66.1%	1,843,952	319	319	
7	Large Gen-Tran	719,493	128	64.3%	776,215	130	68.0%	68.6%	705,886	117		
8	Large Gen TOU-S/P	1,447,457	226	73.2%	1,243,920	201	70.8%	70.0%	966,522	158	158	29
9	Large Gen TOU-SubT	1,890,188	297	72.6%	1,933,638	306	72.2%	72.6%	1,584,597	249		
10	Large Gen TOU-Tran	7,793,021	1,049	84.8%	7,939,411	1,089	83.2%	78.3%	7,011,351	1,022		
11	Lighting	221,151	55	45.6%	210,168	56	42.9%	42.7%	185,454	50	50	50
12	System	37,722,061	7,422	58.0%	37,236,120	7,461	57.0%	56.0%	32,194,521	6,549	5,160	4,695
13	*Check=*											
14										(a) 97.9% of load is served at Secondary voltages		
15										(b) 18.1% of load is served at Secondary voltages		

		12 Months 9/30/2016			12 Months 12/31/2018			Rate Year 6/30/2022		
16	Rate Class	Historical MWh	Historical Contribute to 1CP	Load Factor at 1CP	Historical MWh	Historical Contribute to 1CP	Load Factor at 1CP	Average Load Factor for 1CP	Rate Year MWh	Rate Year 1CP-Transmission
17	Residential	12,646,315	2,599	55.6%	12,583,916	2,715	52.9%	51.1%	11,190,776	2,499
18	Residential TOU	364,349	64	65.3%	339,128	59	65.5%	66.1%	283,235	49
19	Small Gen No Dem	704,195	183	43.9%	712,326	161	50.6%	46.3%	621,729	153
20	Small Gen Demand	4,834,640	1,024	53.9%	4,630,977	997	53.0%	54.9%	3,845,253	800
21	Large Gen-Sec	4,929,796	929	60.6%	4,717,593	869	62.0%	62.4%	3,955,765	724
22	Large Gen-Pri	2,171,457	360	68.8%	2,148,830	349	70.3%	71.8%	1,843,952	293
23	Large Gen-Tran	719,493	125	65.8%	776,215	116	76.6%	77.2%	705,886	104
24	Large Gen TOU-S/P	1,447,457	205	80.5%	1,243,920	187	76.0%	76.6%	966,522	144
25	Large Gen TOU-SubT	1,890,188	264	81.8%	1,933,638	278	79.3%	80.8%	1,584,597	224
26	Large Gen TOU-Tran	7,793,021	884	100.7%	7,939,411	930	97.4%	94.1%	7,011,351	851
27	Lighting	221,151	1	2156.9%	210,168	1	2416.7%	1944.1%	185,454	1
28	System	37,722,061	6,637	64.9%	37,236,120	6,662	63.8%	62.6%	32,194,521	5,842
29	*Check=*									

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Func 364-367
E-RDP-3CU, Sch. 9U

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)

Functional Splits

Line				
	Account 365- Overhead Conductors and Devices			
	Wire (Conductor) Miles			
1	Conductor Rating	From GIS	% of Total	Functionalization
2	2.4 kV	1,615	2.00%	Primary
3	4.16 kV	5,400	6.67%	Primary
4	4.8 kV	42,404	52.41%	Primary
5	7.62 kV	5,515	6.82%	Primary
6	13.2 kV	24,099	29.79%	Primary
7	Secondary	1,871	2.31%	Secondary
8		80,902	100.00%	
9	Conductors			
10	Primary	79,032	97.7%	
11	Secondary	1,871	2.3%	
12		80,902	100.0%	
13				
14	**Account 364- Poles, Towers & Fixtures**			
15	**Circuit Miles**			
16	Conductor Rating	From GIS	% of Total	Functionalization
17	2.4 kV	1,505	2.57%	Primary
18	4.16 kV	2,067	3.53%	Primary
19	4.8 kV	19,428	33.17%	Primary
20	7.62 kV	5,153	8.80%	Primary
21	13.2 kV	8,151	13.92%	Primary
22	Secondary	22,268	38.02%	Secondary
23		58,572	100.00%	
24				
25	Primary	36,304	62.0%	
26	Secondary	22,268	38.0%	
27		58,572	100.0%	
28				

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Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)

Functional Splits

Account 366- Underground Conduits

Circuit Miles

Conductor Rating	From GIS	% of Total	Functionalization
2.4 kV	3	0.53%	Primary
4.16 kV	81	13.92%	Primary
4.8 kV	19	3.20%	Primary
7.62 kV	62	10.64%	Primary
13.2 kV	171	29.34%	Primary
Secondary	247	42.36%	Secondary
	584	100.00%	
Conductors			
Primary	336	57.64%	
Secondary	247	42.36%	
	584	100.00%	

Account 367- Underground Conductors

Wire (Conductor) Miles Excluding Neutrals

Conductor Rating	From GIS	% of Total	Functionalization
2.4 kV	215	1.89%	Primary
4.16 kV	1,463	12.84%	Primary
4.8 kV	311	2.73%	Primary
7.62 kV	5,695	49.95%	Primary
13.2 kV	3,400	29.82%	Primary
Secondary	316	2.78%	Secondary
	11,402	100.00%	
Conductors			
Primary	11,085	97.22%	
Secondary	316	2.78%	
	11,402	100.00%	

Exhibit_____ (E-RDP-3CU)
Schedule 9U
Corrections and Updates
Page 2 of 2

TX_1CP
E-RDP-3CU, Sch. 9V

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Transmission Allocator

Line	Rate Class	Includes	Transmission Allocator
1	Residential	SC-1	42.78%
2	Residential TOU	SC-1C	0.84%
3	Small Gen No Dem	SC-2-ND	2.62%
4	Small Gen Demand	SC-2-Dem	13.69%
5	Large Gen-Sec	SC-3-S	12.39%
6	Large Gen-Pri	SC-3-P	5.02%
7	Large Gen-Tran	SC-3-T	1.79%
8	Large Gen TOU-S/P	SC-3A-S/P	2.46%
9	Large Gen TOU-SubT	SC-3A-U	3.83%
10	Large Gen TOU-Tran	SC-3A-T	14.57%
11	Lighting	SC-L	0.02%
12			100.00%
13			

Exhibit_____ (E-RDP-3CU)
Schedule 9V
Corrections and Updates
Page 1 of 1

MinStudy
E-RDP-3CU, Sch. 9W

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Minimum System Study

Line	Function	Gauge	Cost basis	Feet on System	Cost/ Ft	
1	**Primary OH**	Gauge	Cost basis	Feet on System	Cost/ Ft	
2		1/0	Current cost	76,800,712	7.40	Minimum
3		4/0	Replace with 336.4	3,252,520	10.31	
4		2	Replace with 1/0	27,961,456	7.40	
5		336.4	Current cost	42,650,009	10.31	
6		6A	Replace with 1/0	9,195,815	7.40	
7		4	Replace with 1/0	20,973,262	7.40	
8		All other	Replace with 336.4	10,349,871	10.31	
9				191,183,645		
10						
11		Replacement cost		1,577,820,785	8.25	
12		At mimimum		1,413,829,402	7.40	
13		Minimum system %		89.6%	89.6%	
14						
15						
16	**Secondary OH**		Cost basis	Feet on System	Cost/ Ft	
17	Gauge	3C, 1/0	Current cost	73,341,061	13.29	Minimum
18		4C, 1/0	Current cost	583,448	16.52	
19		4C, >4/0	Current cost	3,372	31.79	
20		2	Replace with 3C, 1/0	7,753,621	13.29	
21		4	Replace with 3C, 1/0	3,100,321	13.29	
22		336.4	Replace with 4C, >4/0	1,265,370	31.79	
23		All Other	Replace with 3C, 1/0	31,370,082	13.29	
24				117,417,275		
25						
26		Replacement cost		1,586,117,970	13.51	
27		At mimimum		1,560,769,039	13.29	
28		Minimum system %		98.4%	98.4%	
29						

Exhibit_____ (E-RDP-3CU)
Schedule 9W
Corrections and Updates
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MinStudy
E-RDP-3CU, Sch. 9W

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study (ECOSS)- Rate Year Ending June 30, 2022 (CU)
Minimum System Study

Line	Function	Gauge	Cost basis	Feet on System	Cost/ Ft	
30						
31	**Primary UG**		Cost basis	Feet on System	Cost/ Ft	
32	Gauge	2	Current cost	34,067,149	13.49	Minimum
33		4/0	Current cost 1/C, > 1/0-4/0	1,500,938	103.05	
34		500	Current cost, 1/C, > 350-500	1,802,136	106.76	
35		750	Current cost, 1/C, > 350-500	1,464,740	106.76	
36				38,834,963		
37						
38		Replacement cost		963,037,400	24.80	
39		At mimimum		523,921,574	13.49	
40		Minimum system %		54.4%	54.4%	
41						
42						
43	**Secondary UG**		Cost basis	Feet on System	Cost/ Ft	
44	Gauge	2	Current cost	130,312	13.49	Minimum
45		350	Current cost, 1/C, > 350-500	4,976,825	106.76	
46		8	Replace with 2	70,509	13.49	
47		1/0	Replace with 4/0	207,292	103.05	
48		4/0	Current cost 1/C, > 1/0-4/0	509,928	103.05	
49				5,894,866		
50						
51		Replacement cost		607,939,164	103.13	
52		At mimimum		79,527,499	13.49	
53		Minimum system %		13.1%	13.1%	
54						

Exhibit_____ (E-RDP-3CU)
Schedule 9W
Corrections and Updates
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Electric Rate Design Panel

Exhibit __ (E-RDP-4CU)

Proposed Revenue Allocation, Rate Design and Customer Bill Impacts

Schedule 1

Presents the development of the Company's proposed revenue allocation by Service Class

Niagara Mohawk Power Corporation d/b/a National Grid
Revenue Allocation (CU)
Rate Year Ending June 30, 2022

Exhibit___(E-RDP-4CU)
Schedule 1
Corrections and Updates
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Line	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	**Delivery revenue at present rates**	1,589,433	995,745	11,790	71,821	190,559	134,069	45,878	7,048	24,922	15,008	49,100	43,491
2	MFC Revenue	17,744	15,025	240	650	812	354	106	56	26	28	412	34
3	**Delivery Margin**	1,607,177	1,010,770	12,030	72,471	191,371	134,423	45,984	7,104	24,949	15,037	49,512	43,525
4	Commodity, Other revenue	1,022,127	589,822	9,909	29,502	124,471	87,267	33,219	12,486	13,752	21,557	95,491	4,650
5	Total revenue	2,629,304	1,600,593	21,939	101,974	315,842	221,690	79,203	19,590	38,701	36,594	145,004	48,175
6		*2,629,304*	*1,600,593*	*21,939*	*101,974*	*315,842*	*221,690*	*79,203*	*19,590*	*38,701*	*36,594*	*145,004*	*48,175*
7	**Return at Present Rates**	**5.16%**	**5.26%**	**14.77%**	**5.03%**	**4.84%**	**4.71%**	**3.85%**	**4.16%**	**5.66%**	**6.40%**	**5.36%**	**5.16%**
8	**Relative Return**	**1.00**	**1.02**	**2.86**	**0.97**	**0.94**	**0.91**	**0.75**	**0.81**	**1.10**	**1.24**	**1.04**	**1.00**
9													
10	**Step 1- ECOS with Revenue Requirement at Full Cost of Service**												
11	Revenue Requirement	2,731,276	1,654,948	18,849	106,433	332,060	234,996	85,844	20,841	39,903	36,892	150,078	50,432
12													
13	Less: Commodity	(570,529)	(379,726)	(6,155)	(17,142)	(66,801)	(33,927)	(11,435)	(5,216)	(3,655)	(5,250)	(38,531)	(2,691)
14	Less: Other revenue	(451,598)	(210,096)	(3,753)	(12,360)	(57,670)	(53,340)	(21,785)	(7,270)	(10,098)	(16,308)	(56,960)	(1,958)
15	Delivery Revenue Requirement	1,709,149	1,065,126	8,940	76,931	207,589	147,729	52,625	8,355	26,151	15,335	54,586	45,782
16	System Target Return	6.31%	6.31%	6.31%	6.31%	6.31%	6.31%	6.31%	6.31%	6.31%	6.31%	6.31%	6.31%
17	Dist Revenue Incr (Decr)	101,972	54,355	(3,090)	4,460	16,218	13,306	6,641	1,251	1,202	298	5,074	2,257
18	*Check*	*101,972*											

Line				Present	
19	**Step 2- Tolerance Band for Return at Present Rates**				
20	Top of Band	Relative return	1.25	6.46%	*CurrTop*
21	Bottom of Band	Relative return	0.75	3.87%	*CurrBot*
22	Within Band	Relative return	3.87%-6.46%		
23		Averages			
24	Delivery	6.34%			
25	Total	3.9%			
26					

Exhibit___(E-RDP-4CU)
Schedule 1
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid
Revenue Allocation (CU)
Rate Year Ending June 30, 2022

Exhibit___(E-RDP-4CU)
Schedule 1
Corrections and Updates
Page 2 of 2

Line	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
27	**Step 3- Tolerance Band Position**		**Within**	**VeryHigh**	**Within**	**Within**	**Within**	**Within**	**Within**	**Within**	**Within**	**Within**	**Within**
28													
29	**Step 4- Revenue Targets**												
30	Dist Change with MFC	98,521	61,580	202	4,493	12,031	8,491	2,907	442	1,583	952	3,076	2,764
31	MFC change	3,248	2,750	44	119	149	65	19	10	5	5	75	6
32	Other Incr (Decr)	0											
33	**Distribution Revenue Change**	**101,769**	**64,331**	**246**	**4,612**	**12,180**	**8,555**	**2,927**	**452**	**1,588**	**957**	**3,151**	**2,770**
34													
35	**Target Increase**	**6.332%**	**6.365%**	**2.042%**	**6.365%**	**6.365%**	**6.365%**	**6.365%**	**6.365%**	**6.365%**	**6.365%**	**6.365%**	**6.365%**
36													
37	**Proposed Delivery Revenue**	**1,694,450**	**1,062,826**	**12,080**	**76,553**	**202,887**	**142,689**	**48,824**	**7,510**	**26,515**	**15,971**	**52,327**	**46,268**
38	MFC Proposed	14,496	12,275	196	531	663	289	87	46	22	23	337	27
39	Commodity, Other revenue	1,022,330	590,002	9,909	29,516	124,477	87,268	33,219	12,486	13,752	21,557	95,491	4,651
40	Operating Expenses	(2,266,407)	(1,383,884)	(16,242)	(88,193)	(273,046)	(189,988)	(70,144)	(17,526)	(32,071)	(30,141)	(124,559)	(40,612)
41	Delivery uncollectibles- Pr	(24,491)	(22,934)	(43)	(431)	(680)	(207)	(71)	(8)	(43)	(22)	(54)	0
42		440,378	258,285	5,901	17,977	54,302	40,051	11,915	2,508	8,175	7,388	23,542	10,334
43	Income tax expense	30,953	18,154	415	1,264	3,817	2,815	837	176	575	519	1,655	726
44	**Net income**	409,425	240,131	5,486	16,713	50,485	37,236	11,077	2,332	7,600	6,869	21,887	9,607
45	*Check*	*409,425*											
46	**Rate of return on rate base**	**6.310%**	**6.568%**	**14.520%**	**6.369%**	**5.874%**	**5.641%**	**4.810%**	**4.786%**	**6.623%**	**6.928%**	**5.834%**	**6.640%**
47	Relative Return at Proposed Rates	1.00	1.04	2.30	1.01	0.93	0.89	0.76	0.76	1.05	1.10	0.92	1.05
48	Increase on Total	3.28%	3.9%	0.9%	4.2%	3.1%	2.7%	2.3%	1.2%	2.9%	1.5%	1.2%	5.4%

Exhibit___(E-RDP-4CU)
Schedule 1
Corrections and Updates
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Electric Rate Design Panel

Exhibit __ (E-RDP-4CU)

Proposed Revenue Allocation, Rate Design and Customer Bill Impacts

Schedule 2

MFC Components from ECOSS

Niagara Mohawk Power Corporation d/b/a National Grid
MFC Components from ECOSS (CU)
Rate Year Ending June 30, 2022

Exhibit___(E-RDP-4CU)
Schedule 2
Corrections and Updates
Page 1 of 1

Line	Calculations for MFC	Source	Costs	% to MFC	In MFC
1					
2	Procurement function	Line 19	1,404	100.00%	1,404
3	Collections function	Line 19	6,935	20.34%	1,411
4					
5			8,339		2,815
6					
7			From Sch. 2		
8	Delivery revenue	Sch. 2	1,589,433	56.68%	
9	Commodity- Full Service	Sch. 2	570,529	20.34%	
10	Commodity- ESCO	Sch. 2	471,707	16.82%	
11	MFC	Sch. 2	17,744	0.63%	
12	SBC	Sch. 2	155,047	5.53%	
13			2,804,460	100.00%	

Line			Competitive Billling	Competitive Collections	Total	From Competitive Functions: Procurement	From Competitive Functions: Collections
14							
15							
16	Operating expenses	Sch. 7J and Sch. 7I	15,438	3,777	19,214	1,245	6,148
17	Revenue requirement	Sch. 3	17,179	4,496	21,674		
18	Multiplier		1.113	1.190	1.128	1.128	1.128
19	Revenue Requirement					1,404	6,935

Exhibit___(E-RDP-4CU)
Schedule 2
Corrections and Updates
Page 1 of 1

Electric Rate Design Panel

Exhibit __ (E-RDP-4CU)

Proposed Revenue Allocation, Rate Design and Customer Bill Impacts

Schedule 3

Reconciliation of Proposed Increase

Niagara Mohawk Power Corporation d/b/a National Grid
Reconciliation of Proposed Increase (CU)
Rate Year Ending June 30, 2022

Line	Description	Source	Amount ($000)
1	Base Rev Req	RRP-1CU, Schedule 1	2,767,370
2	Less: GRT	RRP-1CU, Schedule 1	(36,091)
3	Total Rev Req (excl GRT)		2,731,279
4	Less: Commodity	RRP-1CU, Schedule 1	(570,529)
5	Gross Margin		2,160,750
6			
7	CEP ETIP	E-RDP-3CU, Schedule 9H	155,047
8	DLM / Load Control	E-RDP-3CU, Schedule 9H	3,392
9	Large Customer Discounts	E-RDP-3CU, Schedule 9H	(2,423)
10	Merchant Function Charge, Present	E-RDP-3CU, Schedule 9H	17,744
11	Merchant Function Charge, Change		(3,248)
12	Late Payment charges	E-RDP-3CU, Schedule 9H	13,553
13	Other Revenue	E-RDP-3CU, Schedule 9H	284,543
14	Billing Credit	E-RDP-3CU, Schedule 9H	(2,514)
15	Changes in LPC, Fees, net		203
16			0
17	Other Revenue at Proposed		466,297
18			
19	Total to Recover in Delivery rates	Line 5 less Line 17	1,694,453
20	Target Delivery rates Revenue	E-RDP-4CU, Schedule 1, Line 37	1,694,450
21	**Difference (rounding)**	**Line 19 less Line 20**	**3**
22			
23	Delivery Revenue- Present	E-RDP-4CU, Schedule 1, Line 1	1,589,433
24	Delivery Revenue- Proposed	E-RDP-4CU, Schedule 1, Line 37	1,694,450
25	Change in Delivery Revenue		105,017
26			
27	Revenue change from E-RRP-1	RRP-1CU, Schedule 1	103,320
28	Less: GRT	RRP-1CU, Schedule 1	(1,347)
29	Total Rev Req (excl GRT)	RRP-1CU, Schedule 1	101,973
30			
31	MFC Revenue- Present	Line 10	17,744
32	MFC Revenue- Proposed	E-RDP-4CU, Schedule 1, Line 38	14,496
33	Change in MFC Revenue		(3,248)
34	Changes in LPC, Fees, net		203
35	Change in Billing fees		0
36	Net changes		(3,045)
37	Change needed in Delivery revenue	Line 29 less Line 36	105,018
38	**Difference (rounding)**	**Line 25 less Line 37**	**(1)**
39			

Exhibit___(E-RDP-4CU)
Schedule 3
Corrections and Updates
Page 1 of 1

Electric Rate Design Panel

Exhibit __ (E-RDP-4CU)

Proposed Revenue Allocation, Rate Design and Customer Bill Impacts

Schedule 4

Proof of Distribution Revenue at Proposed Rates

Niagara Mohawk Power Corporation d/b/a National Grid

Proposed Rates Rates Revenue (CU)

			Input			Compute	Compute	Compute		Compute		
			Customer Charge			Demand Charge						
Line	Description	Includes	Annual Bills	Monthly Charge	Customer Chg Revenue	Billing Demand	Demand Charge Before ETIP Adjustment	ETIP Adder	Demand Rate	Demand Units NYPA	Demand SurCredit NYPA	Demand Chg Revenue
1	Residential	SC-1	18,135,032	$17.33	314,280,107							
2	Residential TOU	SC-1C	63,142	$30.62	1,933,401							
3	Small Gen No Dem	SC-2-ND	1,422,074	$21.02	29,892,006							
4	Small Gen Demand	SC-2-Dem	592,744	$49.56	29,376,381	12,815,766	$13.54	$0.00	$13.54	14,498	($0.95)	173,511,644
5	Large Gen-Sec	SC-3-S	44,626	$463.80	20,697,327	10,106,071	$12.02	$0.04	$12.06	306,407	($1.18)	121,518,075
6	Large Gen-Pri	SC-3-P	8,867	$443.00	3,928,203	4,188,570	$10.58	$0.11	$10.69	381,237	($1.21)	44,315,214
7	Large Gen-Tran	SC-3-T	2,126	$803.90	1,709,285	1,676,532	$3.24	$0.16	$3.40	304,503	($0.88)	5,432,529
8	Large Gen TOU-S/P	SC-3A-S/P	822	$2,038.00	1,675,396	2,128,916	$11.50	$0.22	$11.72	425,283	($1.08)	24,490,189
9	Large Gen TOU-SubT	SC-3A-U	839	$2,481.00	2,080,373	3,256,952	$4.04	$0.15	$4.19	445,543	($1.08)	13,166,941
10	Large Gen TOU-Tran	SC-3A-T	1,185	$5,134.00	6,085,818	11,944,765	$3.65	$0.39	$4.04	4,992,987	($0.94)	43,588,408
11	Lighting	SC-L		See below	30,920,391							
12			20,271,457		442,578,688	46,117,572				6,870,458		426,022,999
13												
14												
15												
16												
17												
18												
19	Street Lighting											
20	SC1				$1,734,611							
21	SC2/ SC5				$28,327,948							
22	SC3/ SC6				$13,880							
23	SC4				$843,952							
24					30,920,391							
25												
26												

Exhibit___(E-RDP-4CU)
Schedule 4
Corrections and Updates
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Niagara Mohawk Power Corporation d/b/a National Grid

Proposed Rates Rates Revenue (CU)

Line	Description	Includes	kWh Deliveries X 1000	kWh-Based Chg (Compute)	kWh-Based Chg Revenue	kVA	kVA Rate (Input-Same)	kVA Revenue	Computed Distribution Revenue	Target Distribution Revenue
			kWh-Based Charge			kVA Charges				
1	Residential	SC-1	11,190,776	$0.06689	748,551,006				1,062,831,113	1,062,826,063
2	Residential TOU	SC-1C	283,235	$0.03582	10,145,483				12,078,884	12,080,101
3	Small Gen No Dem	SC-2-ND	621,729	$0.07505	46,660,732				76,552,738	76,552,849
4	Small Gen Demand	SC-2-Dem	3,845,253						202,888,025	202,887,476
5	Large Gen-Sec	SC-3-S	3,955,765			559,412	$0.85	475,500	142,690,902	142,689,336
6	Large Gen-Pri	SC-3-P	1,843,952			682,746	$0.85	580,334	48,823,750	48,823,670
7	Large Gen-Tran	SC-3-T	705,886			428,023	$0.85	363,820	7,505,634	7,510,313
8	Large Gen TOU-S/P	SC-3A-S/P	966,522			342,783	$1.02	349,638	26,515,223	26,514,909
9	Large Gen TOU-SubT	SC-3A-U	1,584,597			708,841	$1.02	723,018	15,970,331	15,970,676
10	Large Gen TOU-Tran	SC-3A-T	7,011,351			2,604,541	$1.02	2,656,632	52,330,858	52,326,787
11	Lighting	SC-L	185,454	See below	15,345,884				46,266,275	46,267,796
12			32,194,521		820,703,105	5,326,345		5,148,942	1,694,453,734	1,694,449,975
13									1,694,453,734	*1,694,449,975*
14									*Del Rev Change*	*105,017,253*
15										
16										
17										
18										
19	Street Lighting									
20	SC1		19,658	$0.09398	1,847,425				3,582,036	
21	SC2/ SC5		108,814	$0.09398	10,226,350				38,554,298	
22	SC3/ SC6		49,322	$0.06452	3,182,253				3,196,133	
23	SC4		7,660	$0.01173	89,855				933,807	
24			185,454		15,345,884				46,266,275	
25									106.384%	
26										

Exhibit___(E-RDP-4CU)
Schedule 4
Corrections and Updates
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Electric Rate Design Panel

Exhibit __ (E-RDP-4CU)

Proposed Revenue Allocation, Rate Design and Customer Bill Impacts

Schedule 4A

SC1V TOU Rates

Niagara Mohawk Power Corporation d/b/a National Grid
Voluntary TOU Rates For SC1 (CU)

Line		Test Year		FY 22 (RY1)
1	Total SC-1 Revenue Requirement		$	1,050,100,151
2	SC-1 Revenue target		$	1,062,826,063
3	% increase in SC-1 Revenue target			N/A
4	% revenue requirement from final rev allocation	Line 2 / Line 1		101.2%
5				
6	Primary Customer-related costs		$	435,807,381
7	Secondary Customer-related costs			131,412,204
8	Less: Non-Distribution component	23.27%		(30,584,636)
9	Less: Customer charge and MFC, Proposed			(326,555,067)
10	Demand-related costs			391,948,332
11	Distribution system costs		$	602,028,214
12	% revenue requirement from final rev allocation	Line 4		101.2%
13				
14	SC-1 Rev allocation from final rate design	Line 2	$	1,062,826,063
15	Less:			
16	Customer charge, Proposed		$	314,280,107
17	Merchant Function charge, Proposed			12,274,960
18	Demand related charges, Portion of total	Line 11 * Line 12		609,324,050
19	Non-Demand related charges, All kWh	Line 14 - Sum (Line 16 thru Line 18)	$	126,946,946
20				
21	SC-1 Total kWh			12,125,957,485
22	***$/kWh rate to be collected over all hours***	Line 19 / Line 21	***$***	***0.01047***
23				
24	SC-1 On-Peak kWh % of Total	73.46%		8,907,429,613
25	$/kWh adder to be collected during on pk hrs	Line 18 / Line 24	***$***	***0.06841***
26				
27	***Voluntary TOU on-peak $/kWh delivery rate***	Line 22 + Line 25		***$0.07888***
28	***Voluntary TOU off-peak $/kWh delivery rate***	Line 22		***$0.01047***

Exhibit___(E-RDP-4CU)
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Electric Rate Design Panel

Exhibit __ (E-RDP-4CU)

Proposed Revenue Allocation, Rate Design and Customer Bill Impacts

Schedule 4B

ETIP Credit for NYPA Customers

Niagara Mohawk Power Corporation d/b/a National Grid
Embedded Cost of Service Study ($000s) (CU)
Rate Year Ending June 30, 2022
ETIP Credit for NYPA Customers

Line	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	ETIP Costs	87,379,000	36,220,633	866,575	2,090,561	12,219,952	11,911,402	5,060,480	1,473,787	2,306,254	3,506,567	11,168,343	554,445
2	NYPA MWh	3,729,151	0	0	0	5,326	126,883	187,440	145,869	235,749	227,750	2,800,135	0
3	NYPA kW	6,870,458	0	0	0	14,498	306,407	381,237	304,503	425,283	445,543	4,992,987	0
4	All kW	46,117,572				12,815,766	10,106,071	4,188,570	1,676,532	2,128,916	3,256,952	11,944,765	
5	All MWh	32,194,521	11,190,776	283,235	621,729	3,845,253	3,955,765	1,843,952	705,886	966,522	1,584,597	7,011,351	185,454
6	Non-NYPA kW	39,247,114				12,801,268	9,799,664	3,807,332	1,372,029	1,703,633	2,811,409	6,951,778	
7	ETIP per All kW (Credit to NYPA customers)					$ (0.95)	$ (1.18)	$ (1.21)	$ (0.88)	$ (1.08)	$ (1.08)	$ (0.94)	
8	ETIP per kWh (add to EJP rate)				$0.00336								
9	NYPA Not collected	(6,712,084)				(13,824)	(361,143)	(460,596)	(267,680)	(460,709)	(479,689)	(4,668,442)	
10													
11	EJP kW	5,000				1,100	2,200	300	1,400	0	0	0	
12	EJP ETIP Collected	5,235				1,049	2,593	362	1,231	0	0	0	
13													
14	Net ETIP Collected	80,672,151	36,220,633	866,575	2,090,561	12,207,177	11,552,852	4,600,246	1,207,338	1,845,545	3,026,878	6,499,900	554,445
15	ETIP Adder to be Collected	6,706,849	0	0	0	12,775	358,550	460,233	266,449	460,709	479,689	4,668,442	0
16	ETIP Adder Rate per kW (Charge to all customers)					$ 0.00	$ 0.04	$ 0.11	$ 0.16	$ 0.22	$ 0.15	$ 0.39	
17	Total Collected	87,379,000	36,220,633	866,575	2,090,561	12,219,952	11,911,402	5,060,480	1,473,787	2,306,254	3,506,567	11,168,343	554,445
18	Compare to $ Allocated	0	0	0	0	0	0	0	0	0	0	0	0
19													

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Electric Rate Design Panel

Exhibit __ (E-RDP-4CU)

Proposed Revenue Allocation, Rate Design and Customer Bill Impacts

Schedule 5

Bill Impacts

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC1-RESIDENTIAL
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

	Delivery				Supply				Total			
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
100	$24.69	$25.60	$0.90	3.66%	$4.51	$4.47	($0.04)	-0.83%	$29.20	$30.06	$0.87	2.96%
200	$31.86	$33.33	$1.47	4.60%	$9.01	$8.94	($0.08)	-0.83%	$40.87	$42.26	$1.39	3.40%
300	$39.03	$41.06	$2.03	5.20%	$13.52	$13.40	($0.11)	-0.83%	$52.54	$54.46	$1.92	3.65%
400	$46.19	$48.79	$2.59	5.61%	$18.02	$17.87	($0.15)	-0.83%	$64.22	$66.66	$2.44	3.80%
500	$53.36	$56.52	$3.15	5.91%	$22.53	$22.34	($0.19)	-0.83%	$75.89	$78.86	$2.97	3.91%
600	$60.53	$64.25	$3.72	6.14%	$27.04	$26.81	($0.23)	-0.83%	$87.56	$91.06	$3.49	3.99%
700	$67.69	$71.98	$4.28	6.32%	$31.54	$31.28	($0.26)	-0.83%	$99.24	$103.25	$4.02	4.05%
800	$74.86	$79.70	$4.84	6.47%	$36.05	$35.75	($0.30)	-0.83%	$110.91	$115.45	$4.54	4.10%
900	$82.03	$87.43	$5.41	6.59%	$40.55	$40.21	($0.34)	-0.83%	$122.58	$127.65	$5.07	4.13%
1,000	$89.20	$95.16	$5.97	6.69%	$45.06	$44.68	($0.38)	-0.83%	$134.25	$139.85	$5.59	4.17%
1,100	$96.36	$102.89	$6.53	6.78%	$49.56	$49.15	($0.41)	-0.83%	$145.93	$152.05	$6.12	4.19%
1,200	$103.53	$110.62	$7.09	6.85%	$54.07	$53.62	($0.45)	-0.83%	$157.60	$164.24	$6.64	4.22%
1,300	$110.70	$118.35	$7.66	6.92%	$58.58	$58.09	($0.49)	-0.83%	$169.27	$176.44	$7.17	4.24%
1,400	$117.86	$126.08	$8.22	6.97%	$63.08	$62.56	($0.53)	-0.83%	$180.95	$188.64	$7.69	4.25%
1,500	$125.03	$133.81	$8.78	7.03%	$67.59	$67.02	($0.56)	-0.83%	$192.62	$200.84	$8.22	4.27%
1,600	$132.20	$141.54	$9.35	7.07%	$72.09	$71.49	($0.60)	-0.83%	$204.29	$213.04	$8.75	4.28%
1,700	$139.36	$149.27	$9.91	7.11%	$76.60	$75.96	($0.64)	-0.83%	$215.96	$225.24	$9.27	4.29%
1,800	$146.53	$157.00	$10.47	7.15%	$81.11	$80.43	($0.68)	-0.83%	$227.64	$237.43	$9.80	4.30%
1,900	$153.70	$164.73	$11.04	7.18%	$85.61	$84.90	($0.71)	-0.83%	$239.31	$249.63	$10.32	4.31%
2,000	$160.87	$172.46	$11.60	7.21%	$90.12	$89.37	($0.75)	-0.83%	$250.98	$261.83	$10.85	4.32%
2,200	$175.20	$187.92	$12.72	7.26%	$99.13	$98.30	($0.83)	-0.83%	$274.33	$286.23	$11.90	4.34%
2,400	$189.53	$203.38	$13.85	7.31%	$108.14	$107.24	($0.90)	-0.83%	$297.67	$310.62	$12.95	4.35%
2,600	$203.87	$218.84	$14.98	7.35%	$117.15	$116.18	($0.98)	-0.83%	$321.02	$335.02	$14.00	4.36%
2,800	$218.20	$234.30	$16.10	7.38%	$126.16	$125.11	($1.05)	-0.83%	$344.37	$359.42	$15.05	4.37%
3,000	$232.54	$249.76	$17.23	7.41%	$135.18	$134.05	($1.13)	-0.83%	$367.71	$383.81	$16.10	4.38%
3,200	$246.87	$265.22	$18.35	7.43%	$144.19	$142.99	($1.20)	-0.83%	$391.06	$408.21	$17.15	4.39%
3,400	$261.20	$280.68	$19.48	7.46%	$153.20	$151.92	($1.28)	-0.83%	$414.40	$432.60	$18.20	4.39%
3,600	$275.54	$296.14	$20.60	7.48%	$162.21	$160.86	($1.35)	-0.83%	$437.75	$457.00	$19.25	4.40%
3,800	$289.87	$311.60	$21.73	7.50%	$171.22	$169.80	($1.43)	-0.83%	$461.09	$481.40	$20.30	4.40%
4,000	$304.20	$327.06	$22.86	7.51%	$180.24	$178.73	($1.50)	-0.83%	$484.44	$505.79	$21.35	4.41%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$17.00	$17.33
Delivery Charge	$/kWh	$0.06143	$0.06689
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kWh	$0.00011	$0.00011
Earnings Adjustment Mechanism	$/kWh	$0.00048	$0.00048
Value of Distributed Energy Resources	$/kWh	$0.00000	$0.00000
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03614	$0.03614
Electricity Supply Reconciliation Mechanism	$/kWh	$0.00101	$0.00101
Merchant Function Charge	$/kWh	$0.00171	$0.00133
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC1-RESIDENTIAL (Low Income)
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

	Delivery				Commodity				Total			
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
100	-$6.24	-$5.33	$0.90	14.48%	$4.51	$4.47	-$0.04	-0.83%	-$1.73	-$0.86	$0.87	50.05%
200	$0.93	$2.40	$1.47	157.31%	$9.01	$8.94	-$0.08	-0.83%	$9.94	$11.33	$1.39	13.99%
300	$8.10	$10.13	$2.03	25.05%	$13.52	$13.40	-$0.11	-0.83%	$21.62	$23.53	$1.92	8.86%
400	$15.27	$17.86	$2.59	16.98%	$18.02	$17.87	-$0.15	-0.83%	$33.29	$35.73	$2.44	7.33%
500	$22.43	$25.59	$3.15	14.06%	$22.53	$22.34	-$0.19	-0.83%	$44.96	$47.93	$2.97	6.60%
600	$29.60	$33.32	$3.72	12.56%	$27.04	$26.81	-$0.23	-0.83%	$56.64	$60.13	$3.49	6.17%
700	$36.77	$41.05	$4.28	11.64%	$31.54	$31.28	-$0.26	-0.83%	$68.31	$72.33	$4.02	5.88%
800	$43.93	$48.78	$4.84	11.02%	$36.05	$35.75	-$0.30	-0.83%	$79.98	$84.52	$4.54	5.68%
900	$51.10	$56.51	$5.41	10.58%	$40.55	$40.21	-$0.34	-0.83%	$91.65	$96.72	$5.07	5.53%
1,000	$58.27	$64.24	$5.97	10.24%	$45.06	$44.68	-$0.38	-0.83%	$103.33	$108.92	$5.59	5.41%
1,100	$65.43	$71.97	$6.53	9.98%	$49.56	$49.15	-$0.41	-0.83%	$115.00	$121.12	$6.12	5.32%
1,200	$72.60	$79.70	$7.09	9.77%	$54.07	$53.62	-$0.45	-0.83%	$126.67	$133.32	$6.64	5.25%
1,300	$79.77	$87.43	$7.66	9.60%	$58.58	$58.09	-$0.49	-0.83%	$138.35	$145.51	$7.17	5.18%
1,400	$86.94	$95.16	$8.22	9.46%	$63.08	$62.56	-$0.53	-0.83%	$150.02	$157.71	$7.69	5.13%
1,500	$94.10	$102.89	$8.78	9.33%	$67.59	$67.02	-$0.56	-0.83%	$161.69	$169.91	$8.22	5.08%
1,600	$101.27	$110.62	$9.35	9.23%	$72.09	$71.49	-$0.60	-0.83%	$173.36	$182.11	$8.75	5.04%
1,700	$108.44	$118.35	$9.91	9.14%	$76.60	$75.96	-$0.64	-0.83%	$185.04	$194.31	$9.27	5.01%
1,800	$115.60	$126.08	$10.47	9.06%	$81.11	$80.43	-$0.68	-0.83%	$196.71	$206.51	$9.80	4.98%
1,900	$122.77	$133.81	$11.04	8.99%	$85.61	$84.90	-$0.71	-0.83%	$208.38	$218.70	$10.32	4.95%
2,000	$129.94	$141.54	$11.60	8.93%	$90.12	$89.37	-$0.75	-0.83%	$220.05	$230.90	$10.85	4.93%
2,200	$144.27	$157.00	$12.72	8.82%	$99.13	$98.30	-$0.83	-0.83%	$243.40	$255.30	$11.90	4.89%
2,400	$158.61	$172.45	$13.85	8.73%	$108.14	$107.24	-$0.90	-0.83%	$266.75	$279.69	$12.95	4.85%
2,600	$172.94	$187.91	$14.98	8.66%	$117.15	$116.18	-$0.98	-0.83%	$290.09	$304.09	$14.00	4.83%
2,800	$187.27	$203.37	$16.10	8.60%	$126.16	$125.11	-$1.05	-0.83%	$313.44	$328.49	$15.05	4.80%
3,000	$201.61	$218.83	$17.23	8.54%	$135.18	$134.05	-$1.13	-0.83%	$336.78	$352.88	$16.10	4.78%
3,200	$215.94	$234.29	$18.35	8.50%	$144.19	$142.99	-$1.20	-0.83%	$360.13	$377.28	$17.15	4.76%
3,400	$230.28	$249.75	$19.48	8.46%	$153.20	$151.92	-$1.28	-0.83%	$383.47	$401.68	$18.20	4.75%
3,600	$244.61	$265.21	$20.60	8.42%	$162.21	$160.86	-$1.35	-0.83%	$406.82	$426.07	$19.25	4.73%
3,800	$258.94	$280.67	$21.73	8.39%	$171.22	$169.80	-$1.43	-0.83%	$430.17	$450.47	$20.30	4.72%
4,000	$273.28	$296.13	$22.86	8.36%	$180.24	$178.73	-$1.50	-0.83%	$453.51	$474.87	$21.35	4.71%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	-$13.00	-$12.67
Delivery Charge	$/kWh	$0.06143	$0.06689
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kWh	$0.00011	$0.00011
Earnings Adjustment Mechanism	$/kWh	$0.00048	$0.00048
Value of Distributed Energy Resources	$/kWh	$0.00000	$0.00000
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03614	$0.03614
Electricity Supply Reconciliation Mechanism	$/kWh	$0.00101	$0.00101
Merchant Function Charge	$/kWh	$0.00171	$0.00133
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC-1C RESIDENTIAL
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

	Delivery				Commodity				Total			
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
500	$53.06	$54.15	$1.09	2.06%	$21.92	$21.73	-$0.19	-0.86%	$74.98	$75.88	$0.91	1.21%
800	$66.33	$67.70	$1.36	2.06%	$833.70	$833.70	$0.00	0.00%	$900.03	$901.40	$1.36	0.15%
1,100	$79.61	$81.25	$1.64	2.06%	$1,139.94	$1,139.94	$0.00	0.00%	$1,219.55	$1,221.19	$1.64	0.13%
1,400	$92.89	$94.80	$1.91	2.06%	$50.83	$50.83	$0.00	0.00%	$143.72	$145.63	$1.91	1.33%
1,700	$106.16	$108.35	$2.18	2.05%	$61.72	$61.72	$0.00	0.00%	$167.89	$170.07	$2.18	1.30%
2,000	$119.44	$121.89	$2.45	2.05%	$72.62	$72.62	$0.00	0.00%	$192.06	$194.51	$2.45	1.28%
2,300	$132.72	$135.44	$2.73	2.05%	$83.51	$83.51	$0.00	0.00%	$216.23	$218.95	$2.73	1.26%
2,600	$146.00	$148.99	$3.00	2.05%	$94.40	$94.40	$0.00	0.00%	$240.40	$243.39	$3.00	1.25%
2,900	$159.27	$162.54	$3.27	2.05%	$105.29	$105.29	$0.00	0.00%	$264.57	$267.84	$3.27	1.24%
3,200	$172.55	$176.09	$3.54	2.05%	$116.19	$116.19	$0.00	0.00%	$288.74	$292.28	$3.54	1.23%
3,500	$185.83	$189.64	$3.81	2.05%	$127.08	$127.08	$0.00	0.00%	$312.91	$316.72	$3.81	1.22%
3,800	$199.10	$203.19	$4.09	2.05%	$137.97	$137.97	$0.00	0.00%	$337.07	$341.16	$4.09	1.21%
4,100	$212.38	$216.74	$4.36	2.05%	$148.86	$148.86	$0.00	0.00%	$361.24	$365.60	$4.36	1.21%
4,500	$230.08	$234.80	$4.72	2.05%	$163.39	$163.39	$0.00	0.00%	$393.47	$398.19	$4.72	1.20%
5,000	$252.21	$257.39	$5.18	2.05%	$181.54	$181.54	$0.00	0.00%	$433.75	$438.93	$5.18	1.19%
5,300	$265.49	$270.94	$5.45	2.05%	$192.43	$192.43	$0.00	0.00%	$457.92	$463.37	$5.45	1.19%
5,600	$278.77	$284.49	$5.72	2.05%	$203.33	$203.33	$0.00	0.00%	$482.09	$487.81	$5.72	1.19%
5,900	$292.04	$298.03	$5.99	2.05%	$214.22	$214.22	$0.00	0.00%	$506.26	$512.25	$5.99	1.18%
6,200	$305.32	$311.58	$6.26	2.05%	$225.11	$225.11	$0.00	0.00%	$530.43	$536.69	$6.26	1.18%
6,500	$318.60	$325.13	$6.54	2.05%	$236.00	$236.00	$0.00	0.00%	$554.60	$561.14	$6.54	1.18%
6,800	$331.87	$338.68	$6.81	2.05%	$246.90	$246.90	$0.00	0.00%	$578.77	$585.58	$6.81	1.18%
7,100	$345.15	$352.23	$7.08	2.05%	$257.79	$257.79	$0.00	0.00%	$602.94	$610.02	$7.08	1.17%
7,400	$358.43	$365.78	$7.35	2.05%	$268.68	$268.68	$0.00	0.00%	$627.11	$634.46	$7.35	1.17%
7,700	$371.70	$379.33	$7.62	2.05%	$279.57	$279.57	$0.00	0.00%	$651.28	$658.90	$7.62	1.17%
8,000	$384.98	$392.88	$7.90	2.05%	$290.47	$290.47	$0.00	0.00%	$675.45	$683.34	$7.90	1.17%
8,300	$398.26	$406.43	$8.17	2.05%	$301.36	$301.36	$0.00	0.00%	$699.62	$707.79	$8.17	1.17%
8,600	$411.54	$419.98	$8.44	2.05%	$312.25	$312.25	$0.00	0.00%	$723.79	$732.23	$8.44	1.17%
8,900	$424.81	$433.53	$8.71	2.05%	$323.14	$323.14	$0.00	0.00%	$747.96	$756.67	$8.71	1.16%
9,200	$438.09	$447.08	$8.99	2.05%	$334.04	$334.04	$0.00	0.00%	$772.13	$781.11	$8.99	1.16%
9,500	$451.37	$460.62	$9.26	2.05%	$344.93	$344.93	$0.00	0.00%	$796.30	$805.55	$9.26	1.16%
9,800	$464.64	$474.17	$9.53	2.05%	$355.82	$355.82	$0.00	0.00%	$820.47	$830.00	$9.53	1.16%
10,100	$477.92	$487.72	$9.80	2.05%	$366.71	$366.71	$0.00	0.00%	$844.63	$854.44	$9.80	1.16%
10,400	$491.20	$501.27	$10.07	2.05%	$377.61	$377.61	$0.00	0.00%	$868.80	$878.88	$10.07	1.16%
10,700	$504.47	$514.82	$10.35	2.05%	$388.50	$388.50	$0.00	0.00%	$892.97	$903.32	$10.35	1.16%
11,000	$517.75	$528.37	$10.62	2.05%	$399.39	$399.39	$0.00	0.00%	$917.14	$927.76	$10.62	1.16%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$30.00	$30.62
Delivery Charge	$/kWh	$0.03494	$0.03582
Transmission Revenue Adjustmen	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kWh	$0.00008	$0.00008
Earnings Adjustment Mechanism	$/kWh	$0.00041	$0.00041
Value of Distributed Energy Resources	$/kWh	$0.00000	$0.00000
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges			Current	Proposed
Energy Charge On-peak (includes capacity)	7%	$/kWh	$0.05995	$0.05995
Energy Charge Shoulder-peak (includes capacity)	12%	$/kWh	$0.04637	$0.04637
Energy Charge Off-peak (includes capacity)	81%	$/kWh	$0.03233	$0.03233
Merchant Function Charge		$/kWh	$0.00171	$0.00133
Clean Energy Standard Supply		$/kWh	$0.00576	$0.00576
GRT Commodity		Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC2-SMALL GENERAL SERVICE (UNMETERED DEMAND)
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

	Delivery				Commodity				Total			
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
100	$29.46	$30.24	$0.78	2.66%	$4.46	$4.42	($0.04)	-0.84%	$33.91	$34.66	$0.75	2.20%
200	$37.25	$38.81	$1.57	4.21%	$8.91	$8.84	($0.07)	-0.84%	$46.16	$47.65	$1.49	3.24%
300	$45.03	$47.39	$2.35	5.23%	$13.37	$13.26	($0.11)	-0.84%	$58.40	$60.65	$2.24	3.84%
450	$56.72	$60.25	$3.53	6.22%	$20.06	$19.89	($0.17)	-0.84%	$76.77	$80.13	$3.36	4.38%
600	$68.40	$73.10	$4.71	6.88%	$26.74	$26.52	($0.22)	-0.84%	$95.14	$99.62	$4.48	4.71%
700	$76.18	$81.68	$5.49	7.21%	$31.20	$30.94	($0.26)	-0.84%	$107.38	$112.61	$5.23	4.87%
800	$83.97	$90.25	$6.28	7.47%	$35.65	$35.35	($0.30)	-0.84%	$119.63	$125.60	$5.98	5.00%
900	$91.76	$98.82	$7.06	7.69%	$40.11	$39.77	($0.34)	-0.84%	$131.87	$138.60	$6.72	5.10%
1,000	$99.55	$107.39	$7.85	7.88%	$44.57	$44.19	($0.37)	-0.84%	$144.12	$151.59	$7.47	5.18%
1,100	$107.34	$115.97	$8.63	8.04%	$49.02	$48.61	($0.41)	-0.84%	$156.36	$164.58	$8.22	5.26%
1,200	$115.12	$124.54	$9.41	8.18%	$53.48	$53.03	($0.45)	-0.84%	$168.61	$177.57	$8.96	5.32%
1,300	$122.91	$133.11	$10.20	8.30%	$57.94	$57.45	($0.49)	-0.84%	$180.85	$190.56	$9.71	5.37%
1,400	$130.70	$141.68	$10.98	8.40%	$62.40	$61.87	($0.52)	-0.84%	$193.09	$203.55	$10.46	5.42%
1,500	$138.49	$150.26	$11.77	8.50%	$66.85	$66.29	($0.56)	-0.84%	$205.34	$216.55	$11.21	5.46%
1,600	$146.28	$158.83	$12.55	8.58%	$71.31	$70.71	($0.60)	-0.84%	$217.58	$229.54	$11.95	5.49%
1,700	$154.06	$167.40	$13.34	8.66%	$75.77	$75.13	($0.64)	-0.84%	$229.83	$242.53	$12.70	5.53%
1,800	$161.85	$175.97	$14.12	8.73%	$80.22	$79.55	($0.67)	-0.84%	$242.07	$255.52	$13.45	5.55%
1,900	$169.64	$184.55	$14.91	8.79%	$84.68	$83.97	($0.71)	-0.84%	$254.32	$268.51	$14.19	5.58%
2,000	$177.43	$193.12	$15.69	8.84%	$89.14	$88.39	($0.75)	-0.84%	$266.56	$281.50	$14.94	5.61%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$21.02	$21.02
Delivery Charge	$/kWh	$0.06744	$0.07505
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kWh	$0.00013	$0.00013
Earnings Adjustment Mechanism	$/kWh	$0.00048	$0.00048
Value of Distributed Energy Resources	$/kWh	$0.00000	$0.00000
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03567	$0.03567
Electricity Supply Reconciliation Mechanism	$/kWh	$0.00101	$0.00101
Merchant Function Charge	$/kWh	$0.00169	$0.00132
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC2-SMALL GENERAL SERVICE (METERED DEMAND)
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
1,008	7.0	$152.98	$157.87	$4.89	3.19%	$42.23	$42.17	-$0.06	-0.13%	$195.21	$200.04	$4.83	2.47%
1,512	7.0	$156.88	$161.76	$4.89	3.11%	$63.34	$63.26	-$0.08	-0.13%	$220.21	$225.02	$4.80	2.18%
2,016	7.0	$160.77	$165.66	$4.89	3.04%	$84.45	$84.34	-$0.11	-0.13%	$245.22	$250.00	$4.78	1.95%
2,520	7.0	$164.67	$169.55	$4.89	2.97%	$105.56	$105.43	-$0.14	-0.13%	$270.23	$274.98	$4.75	1.76%
2,160	15.0	$265.94	$279.90	$13.96	5.25%	$90.48	$90.36	-$0.12	-0.13%	$356.42	$370.26	$13.84	3.88%
3,240	15.0	$274.28	$288.24	$13.96	5.09%	$135.72	$135.55	-$0.18	-0.13%	$410.01	$423.79	$13.78	3.36%
4,320	15.0	$282.63	$296.59	$13.96	4.94%	$180.97	$180.73	-$0.24	-0.13%	$463.60	$477.32	$13.72	2.96%
5,400	15.0	$290.98	$304.93	$13.96	4.80%	$226.21	$225.91	-$0.30	-0.13%	$517.18	$530.85	$13.66	2.64%
3,168	22.0	$364.78	$386.67	$21.90	6.00%	$132.71	$132.53	-$0.17	-0.13%	$497.48	$519.21	$21.72	4.37%
4,752	22.0	$377.02	$398.91	$21.90	5.81%	$199.06	$198.80	-$0.26	-0.13%	$576.08	$597.72	$21.64	3.76%
6,336	22.0	$389.26	$411.15	$21.90	5.63%	$265.42	$265.07	-$0.35	-0.13%	$654.67	$676.22	$21.55	3.29%
7,920	22.0	$401.50	$423.39	$21.90	5.45%	$331.77	$331.34	-$0.43	-0.13%	$733.27	$754.73	$21.46	2.93%
5,760	40.0	$618.93	$661.24	$42.31	6.84%	$241.29	$240.97	-$0.32	-0.13%	$860.22	$902.21	$41.99	4.88%
8,640	40.0	$641.18	$683.49	$42.31	6.60%	$361.93	$361.46	-$0.47	-0.13%	$1,003.12	$1,044.95	$41.84	4.17%
11,520	40.0	$663.44	$705.75	$42.31	6.38%	$482.58	$481.94	-$0.63	-0.13%	$1,146.02	$1,187.69	$41.68	3.64%
14,400	40.0	$685.70	$728.00	$42.31	6.17%	$603.22	$602.43	-$0.79	-0.13%	$1,288.92	$1,330.43	$41.52	3.22%
8,640	60.0	$901.32	$966.31	$64.99	7.21%	$361.93	$361.46	-$0.47	-0.13%	$1,263.25	$1,327.77	$64.52	5.11%
12,960	60.0	$934.71	$999.69	$64.99	6.95%	$542.90	$542.19	-$0.71	-0.13%	$1,477.60	$1,541.88	$64.28	4.35%
17,280	60.0	$968.09	$1,033.08	$64.99	6.71%	$723.86	$722.92	-$0.95	-0.13%	$1,691.95	$1,755.99	$64.04	3.79%
21,600	60.0	$1,001.47	$1,066.46	$64.99	6.49%	$904.83	$903.65	-$1.18	-0.13%	$1,906.30	$1,970.11	$63.81	3.35%
11,520	80.0	$1,183.72	$1,271.39	$87.67	7.41%	$482.58	$481.94	-$0.63	-0.13%	$1,666.29	$1,753.33	$87.04	5.22%
17,280	80.0	$1,228.23	$1,315.90	$87.67	7.14%	$723.86	$722.92	-$0.95	-0.13%	$1,952.09	$2,038.81	$86.72	4.44%
23,040	80.0	$1,272.74	$1,360.41	$87.67	6.89%	$965.15	$963.89	-$1.26	-0.13%	$2,237.89	$2,324.29	$86.41	3.86%
28,800	80.0	$1,317.25	$1,404.92	$87.67	6.66%	$1,206.44	$1,204.86	-$1.58	-0.13%	$2,523.69	$2,609.78	$86.09	3.41%
14,400	100.0	$1,466.11	$1,576.46	$110.35	7.53%	$603.22	$602.43	-$0.79	-0.13%	$2,069.33	$2,178.89	$109.56	5.29%
21,600	100.0	$1,521.75	$1,632.10	$110.35	7.25%	$904.83	$903.65	-$1.18	-0.13%	$2,426.58	$2,535.74	$109.17	4.50%
28,800	100.0	$1,577.38	$1,687.73	$110.35	7.00%	$1,206.44	$1,204.86	-$1.58	-0.13%	$2,783.82	$2,892.59	$108.77	3.91%
36,000	100.0	$1,633.02	$1,743.37	$110.35	6.76%	$1,508.05	$1,506.08	-$1.97	-0.13%	$3,141.07	$3,249.45	$108.38	3.45%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$52.52	$49.56
Delivery Charge	$/kW	$12.44	$13.54
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03522	$0.03522
Merchant Function Charge	$/kWh	$0.00050	$0.00045
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (SECONDARY)
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,868.34	$1,965.04	$96.70	5.18%	$1,189.32	$1,187.70	-$1.62	-0.14%	$3,057.66	$3,152.74	$95.09	3.11%
36,000	100.0	$1,923.98	$2,020.68	$96.70	5.03%	$1,486.64	$1,484.62	-$2.02	-0.14%	$3,410.63	$3,505.31	$94.68	2.78%
43,200	100.0	$1,979.62	$2,076.32	$96.70	4.88%	$1,783.97	$1,781.55	-$2.42	-0.14%	$3,763.59	$3,857.87	$94.28	2.50%
57,600	100.0	$2,090.89	$2,187.60	$96.70	4.62%	$2,378.63	$2,375.40	-$3.23	-0.14%	$4,469.53	$4,563.00	$93.47	2.09%
66,240	230.0	$3,687.39	$3,898.01	$210.62	5.71%	$2,735.43	$2,731.71	-$3.72	-0.14%	$6,422.82	$6,629.72	$206.90	3.22%
82,800	230.0	$3,815.36	$4,025.98	$210.62	5.52%	$3,419.28	$3,414.64	-$4.65	-0.14%	$7,234.64	$7,440.62	$205.97	2.85%
99,360	230.0	$3,943.33	$4,153.95	$210.62	5.34%	$4,103.14	$4,097.56	-$5.57	-0.14%	$8,046.47	$8,251.51	$205.04	2.55%
132,480	230.0	$4,199.26	$4,409.88	$210.62	5.02%	$5,470.85	$5,463.42	-$7.43	-0.14%	$9,670.12	$9,873.30	$203.19	2.10%
100,800	350.0	$5,366.52	$5,682.29	$315.77	5.88%	$4,162.61	$4,156.95	-$5.66	-0.14%	$9,529.12	$9,839.24	$310.12	3.25%
126,000	350.0	$5,561.25	$5,877.03	$315.77	5.68%	$5,203.26	$5,196.19	-$7.07	-0.14%	$10,764.51	$11,073.21	$308.70	2.87%
151,200	350.0	$5,755.99	$6,071.76	$315.77	5.49%	$6,243.91	$6,235.42	-$8.48	-0.14%	$11,999.89	$12,307.18	$307.29	2.56%
201,600	350.0	$6,145.45	$6,461.22	$315.77	5.14%	$8,325.21	$8,313.90	-$11.31	-0.14%	$14,470.66	$14,775.12	$304.46	2.10%
144,000	500.0	$7,465.42	$7,912.64	$447.22	5.99%	$5,946.58	$5,938.50	-$8.08	-0.14%	$13,412.00	$13,851.14	$439.14	3.27%
180,000	500.0	$7,743.61	$8,190.83	$447.22	5.78%	$7,433.22	$7,423.12	-$10.10	-0.14%	$15,176.84	$15,613.96	$437.12	2.88%
216,000	500.0	$8,021.81	$8,469.02	$447.22	5.58%	$8,919.87	$8,907.75	-$12.12	-0.14%	$16,941.67	$17,376.77	$435.10	2.57%
288,000	500.0	$8,578.19	$9,025.40	$447.22	5.21%	$11,893.16	$11,877.00	-$16.16	-0.14%	$20,471.34	$20,902.40	$431.06	2.11%
216,000	750.0	$10,963.60	$11,629.89	$666.29	6.08%	$8,919.87	$8,907.75	-$12.12	-0.14%	$19,883.47	$20,537.64	$654.17	3.29%
270,000	750.0	$11,380.89	$12,047.17	$666.29	5.85%	$11,149.84	$11,134.69	-$15.15	-0.14%	$22,530.72	$23,181.86	$651.14	2.89%
324,000	750.0	$11,798.17	$12,464.46	$666.29	5.65%	$13,379.80	$13,361.62	-$18.18	-0.14%	$25,177.97	$25,826.08	$648.11	2.57%
432,000	750.0	$12,632.74	$13,299.03	$666.29	5.27%	$17,839.74	$17,815.50	-$24.24	-0.14%	$30,472.48	$31,114.53	$642.05	2.11%
432,000	1,500.0	$21,458.13	$22,781.63	$1,323.51	6.17%	$17,839.74	$17,815.50	-$24.24	-0.14%	$39,297.87	$40,597.13	$1,299.27	3.31%
540,000	1,500.0	$22,292.70	$23,616.20	$1,323.51	5.94%	$22,299.67	$22,269.37	-$30.30	-0.14%	$44,592.37	$45,885.58	$1,293.21	2.90%
648,000	1,500.0	$23,127.27	$24,450.78	$1,323.51	5.72%	$26,759.61	$26,723.25	-$36.36	-0.14%	$49,886.88	$51,174.03	$1,287.15	2.58%
864,000	1,500.0	$24,796.41	$26,119.92	$1,323.51	5.34%	$35,679.47	$35,631.00	-$48.47	-0.14%	$60,475.89	$61,750.92	$1,275.03	2.11%
576,000	2,000.0	$28,454.48	$30,216.13	$1,761.65	6.19%	$23,786.32	$23,754.00	-$32.32	-0.14%	$52,240.80	$53,970.13	$1,729.33	3.31%
720,000	2,000.0	$29,567.24	$31,328.89	$1,761.65	5.96%	$29,732.89	$29,692.50	-$40.40	-0.14%	$59,300.14	$61,021.39	$1,721.25	2.90%
864,000	2,000.0	$30,680.00	$32,441.65	$1,761.65	5.74%	$35,679.47	$35,631.00	-$48.47	-0.14%	$66,359.48	$68,072.65	$1,713.18	2.58%
1,152,000	2,000.0	$32,905.53	$34,667.18	$1,761.65	5.35%	$47,572.63	$47,508.00	-$64.63	-0.14%	$80,478.16	$82,175.17	$1,697.02	2.11%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$455.00	$463.80
Delivery Charge	$/kW	$11.21	$12.06
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.17	$0.17
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03463	$0.03463
Merchant Function Charge	$/kWh	$0.00050	$0.00044
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (SECONDARY) - SPECIAL PROVISION L
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,913.15	$1,989.29	$76.14	3.98%	$1,189.32	$1,187.70	-$1.62	-0.14%	$3,102.46	$3,176.99	$74.53	2.40%
36,000	100.0	$1,968.78	$2,044.93	$76.14	3.87%	$1,486.64	$1,484.62	-$2.02	-0.14%	$3,455.43	$3,529.55	$74.12	2.15%
43,200	100.0	$2,024.42	$2,100.57	$76.14	3.76%	$1,783.97	$1,781.55	-$2.42	-0.14%	$3,808.40	$3,882.12	$73.72	1.94%
57,600	100.0	$2,135.70	$2,211.84	$76.14	3.57%	$2,378.63	$2,375.40	-$3.23	-0.14%	$4,514.33	$4,587.24	$72.91	1.62%
66,240	230.0	$3,732.20	$3,922.26	$190.06	5.09%	$2,735.43	$2,731.71	-$3.72	-0.14%	$6,467.62	$6,653.97	$186.35	2.88%
82,800	230.0	$3,860.17	$4,050.23	$190.06	4.92%	$3,419.28	$3,414.64	-$4.65	-0.14%	$7,279.45	$7,464.87	$185.42	2.55%
99,360	230.0	$3,988.13	$4,178.20	$190.06	4.77%	$4,103.14	$4,097.56	-$5.57	-0.14%	$8,091.27	$8,275.76	$184.49	2.28%
132,480	230.0	$4,244.07	$4,434.13	$190.06	4.48%	$5,470.85	$5,463.42	-$7.43	-0.14%	$9,714.92	$9,897.55	$182.63	1.88%
100,800	350.0	$5,411.32	$5,706.54	$295.22	5.46%	$4,162.61	$4,156.95	-$5.66	-0.14%	$9,573.93	$9,863.49	$289.56	3.02%
126,000	350.0	$5,606.06	$5,901.27	$295.22	5.27%	$5,203.26	$5,196.19	-$7.07	-0.14%	$10,809.31	$11,097.46	$288.15	2.67%
151,200	350.0	$5,800.79	$6,096.01	$295.22	5.09%	$6,243.91	$6,235.42	-$8.48	-0.14%	$12,044.70	$12,331.43	$286.73	2.38%
201,600	350.0	$6,190.26	$6,485.47	$295.22	4.77%	$8,325.21	$8,313.90	-$11.31	-0.14%	$14,515.47	$14,799.37	$283.91	1.96%
144,000	500.0	$7,510.23	$7,936.89	$426.66	5.68%	$5,946.58	$5,938.50	-$8.08	-0.14%	$13,456.81	$13,875.39	$418.58	3.11%
180,000	500.0	$7,788.42	$8,215.08	$426.66	5.48%	$7,433.22	$7,423.12	-$10.10	-0.14%	$15,221.64	$15,638.20	$416.56	2.74%
216,000	500.0	$8,066.61	$8,493.27	$426.66	5.29%	$8,919.87	$8,907.75	-$12.12	-0.14%	$16,986.48	$17,401.02	$414.54	2.44%
288,000	500.0	$8,622.99	$9,049.65	$426.66	4.95%	$11,893.16	$11,877.00	-$16.16	-0.14%	$20,516.15	$20,926.65	$410.50	2.00%
216,000	750.0	$11,008.40	$11,654.14	$645.73	5.87%	$8,919.87	$8,907.75	-$12.12	-0.14%	$19,928.27	$20,561.89	$633.61	3.18%
270,000	750.0	$11,425.69	$12,071.42	$645.73	5.65%	$11,149.84	$11,134.69	-$15.15	-0.14%	$22,575.53	$23,206.11	$630.58	2.79%
324,000	750.0	$11,842.98	$12,488.71	$645.73	5.45%	$13,379.80	$13,361.62	-$18.18	-0.14%	$25,222.78	$25,850.33	$627.55	2.49%
432,000	750.0	$12,677.55	$13,323.28	$645.73	5.09%	$17,839.74	$17,815.50	-$24.24	-0.14%	$30,517.28	$31,138.78	$621.49	2.04%
432,000	1,500.0	$21,502.93	$22,805.88	$1,302.95	6.06%	$17,839.74	$17,815.50	-$24.24	-0.14%	$39,342.67	$40,621.38	$1,278.71	3.25%
540,000	1,500.0	$22,337.50	$23,640.45	$1,302.95	5.83%	$22,299.67	$22,269.37	-$30.30	-0.14%	$44,637.17	$45,909.83	$1,272.65	2.85%
648,000	1,500.0	$23,172.07	$24,475.02	$1,302.95	5.62%	$26,759.61	$26,723.25	-$36.36	-0.14%	$49,931.68	$51,198.27	$1,266.59	2.54%
864,000	1,500.0	$24,841.22	$26,144.17	$1,302.95	5.25%	$35,679.47	$35,631.00	-$48.47	-0.14%	$60,520.69	$61,775.16	$1,254.47	2.07%
576,000	2,000.0	$28,499.29	$30,240.38	$1,741.09	6.11%	$23,786.32	$23,754.00	-$32.32	-0.14%	$52,285.60	$53,994.38	$1,708.78	3.27%
720,000	2,000.0	$29,612.05	$31,353.14	$1,741.09	5.88%	$29,732.89	$29,692.50	-$40.40	-0.14%	$59,344.94	$61,045.64	$1,700.70	2.87%
864,000	2,000.0	$30,724.81	$32,465.90	$1,741.09	5.67%	$35,679.47	$35,631.00	-$48.47	-0.14%	$66,404.28	$68,096.90	$1,692.62	2.55%
1,152,000	2,000.0	$32,950.33	$34,691.42	$1,741.09	5.28%	$47,572.63	$47,508.00	-$64.63	-0.14%	$80,522.96	$82,199.42	$1,676.46	2.08%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$498.46	$487.32
Delivery Charge	$/kW	$11.21	$12.06
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.17	$0.17
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03463	$0.03463
Merchant Function Charge	$/kWh	$0.00050	$0.00044
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (PRIMARY)
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,714.43	$1,803.39	$88.97	5.19%	$1,169.38	$1,167.72	-$1.66	-0.14%	$2,883.80	$2,971.11	$87.31	3.03%
36,000	100.0	$1,770.06	$1,859.03	$88.97	5.03%	$1,461.72	$1,459.65	-$2.07	-0.14%	$3,231.79	$3,318.68	$86.90	2.69%
43,200	100.0	$1,825.70	$1,914.67	$88.97	4.87%	$1,754.07	$1,751.58	-$2.49	-0.14%	$3,579.77	$3,666.25	$86.48	2.42%
57,600	100.0	$1,936.98	$2,025.95	$88.97	4.59%	$2,338.76	$2,335.44	-$3.32	-0.14%	$4,275.73	$4,361.39	$85.65	2.00%
57,600	200.0	$2,978.64	$3,150.09	$171.44	5.76%	$2,338.76	$2,335.44	-$3.32	-0.14%	$5,317.40	$5,485.53	$168.13	3.16%
72,000	200.0	$3,089.92	$3,261.36	$171.44	5.55%	$2,923.44	$2,919.30	-$4.15	-0.14%	$6,013.36	$6,180.66	$167.30	2.78%
86,400	200.0	$3,201.20	$3,372.64	$171.44	5.36%	$3,508.13	$3,503.16	-$4.98	-0.14%	$6,709.33	$6,875.80	$166.47	2.48%
115,200	200.0	$3,423.75	$3,595.19	$171.44	5.01%	$4,677.51	$4,670.88	-$6.63	-0.14%	$8,101.26	$8,266.07	$164.81	2.03%
72,000	250.0	$3,610.75	$3,823.43	$212.68	5.89%	$2,923.44	$2,919.30	-$4.15	-0.14%	$6,534.20	$6,742.73	$208.53	3.19%
90,000	250.0	$3,749.85	$3,962.53	$212.68	5.67%	$3,654.31	$3,649.12	-$5.18	-0.14%	$7,404.15	$7,611.65	$207.50	2.80%
108,000	250.0	$3,888.94	$4,101.62	$212.68	5.47%	$4,385.17	$4,378.95	-$6.22	-0.14%	$8,274.11	$8,480.57	$206.46	2.50%
144,000	250.0	$4,167.13	$4,379.81	$212.68	5.10%	$5,846.89	$5,838.60	-$8.29	-0.14%	$10,014.02	$10,218.41	$204.39	2.04%
135,360	470.0	$6,392.04	$6,786.16	$394.12	6.17%	$5,496.08	$5,488.28	-$7.79	-0.14%	$11,888.11	$12,274.44	$386.33	3.25%
169,200	470.0	$6,653.53	$7,047.66	$394.12	5.92%	$6,870.09	$6,860.35	-$9.74	-0.14%	$13,523.63	$13,908.01	$384.38	2.84%
203,040	470.0	$6,915.03	$7,309.16	$394.12	5.70%	$8,244.11	$8,232.42	-$11.69	-0.14%	$15,159.15	$15,541.58	$382.43	2.52%
270,720	470.0	$7,438.03	$7,832.15	$394.12	5.30%	$10,992.15	$10,976.56	-$15.59	-0.14%	$18,430.18	$18,808.72	$378.54	2.05%
216,000	750.0	$9,931.85	$10,556.90	$625.05	6.29%	$8,770.33	$8,757.90	-$12.44	-0.14%	$18,702.18	$19,314.80	$612.61	3.28%
270,000	750.0	$10,349.13	$10,974.18	$625.05	6.04%	$10,962.92	$10,947.37	-$15.55	-0.14%	$21,312.05	$21,921.55	$609.50	2.86%
324,000	750.0	$10,766.42	$11,391.47	$625.05	5.81%	$13,155.50	$13,136.84	-$18.66	-0.14%	$23,921.92	$24,528.31	$606.39	2.53%
432,000	750.0	$11,600.99	$12,226.04	$625.05	5.39%	$17,540.67	$17,515.79	-$24.88	-0.14%	$29,141.66	$29,741.83	$600.18	2.06%
432,000	1,500.0	$19,413.49	$20,657.10	$1,243.61	6.41%	$17,540.67	$17,515.79	-$24.88	-0.14%	$36,954.16	$38,172.89	$1,218.73	3.30%
540,000	1,500.0	$20,248.06	$21,491.67	$1,243.61	6.14%	$21,925.83	$21,894.74	-$31.09	-0.14%	$42,173.89	$43,386.41	$1,212.51	2.88%
648,000	1,500.0	$21,082.63	$22,326.24	$1,243.61	5.90%	$26,311.00	$26,273.69	-$37.31	-0.14%	$47,393.63	$48,599.93	$1,206.30	2.55%
864,000	1,500.0	$22,751.77	$23,995.38	$1,243.61	5.47%	$35,081.33	$35,031.58	-$49.75	-0.14%	$57,833.11	$59,026.97	$1,193.86	2.06%
576,000	2,000.0	$25,734.58	$27,390.56	$1,655.98	6.43%	$23,387.56	$23,354.39	-$33.17	-0.14%	$49,122.14	$50,744.95	$1,622.81	3.30%
720,000	2,000.0	$26,847.35	$28,503.32	$1,655.98	6.17%	$29,234.45	$29,192.99	-$41.46	-0.14%	$56,081.79	$57,696.31	$1,614.52	2.88%
864,000	2,000.0	$27,960.11	$29,616.09	$1,655.98	5.92%	$35,081.33	$35,031.58	-$49.75	-0.14%	$63,041.44	$64,647.67	$1,606.23	2.55%
1,152,000	2,000.0	$30,185.63	$31,841.61	$1,655.98	5.49%	$46,775.11	$46,708.78	-$66.33	-0.14%	$76,960.74	$78,550.39	$1,589.64	2.07%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$436.70	$443.00
Delivery Charge	$/kW	$9.89	$10.69
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.18	$0.18
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03395	$0.03395
Merchant Function Charge	$/kWh	$0.00049	$0.00043
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (PRIMARY) - SPECIAL PROVISION L
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,759.23	$1,827.64	$68.41	3.89%	$1,169.38	$1,167.72	-$1.66	-0.14%	$2,928.61	$2,995.36	$66.75	2.28%
36,000	100.0	$1,814.87	$1,883.28	$68.41	3.77%	$1,461.72	$1,459.65	-$2.07	-0.14%	$3,276.59	$3,342.93	$66.34	2.02%
43,200	100.0	$1,870.51	$1,938.92	$68.41	3.66%	$1,754.07	$1,751.58	-$2.49	-0.14%	$3,624.57	$3,690.50	$65.92	1.82%
57,600	100.0	$1,981.78	$2,050.19	$68.41	3.45%	$2,338.76	$2,335.44	-$3.32	-0.14%	$4,320.54	$4,385.63	$65.10	1.51%
57,600	200.0	$3,023.45	$3,174.33	$150.89	4.99%	$2,338.76	$2,335.44	-$3.32	-0.14%	$5,362.20	$5,509.77	$147.57	2.75%
72,000	200.0	$3,134.72	$3,285.61	$150.89	4.81%	$2,923.44	$2,919.30	-$4.15	-0.14%	$6,058.17	$6,204.91	$146.74	2.42%
86,400	200.0	$3,246.00	$3,396.89	$150.89	4.65%	$3,508.13	$3,503.16	-$4.98	-0.14%	$6,754.13	$6,900.05	$145.91	2.16%
115,200	200.0	$3,468.55	$3,619.44	$150.89	4.35%	$4,677.51	$4,670.88	-$6.63	-0.14%	$8,146.06	$8,290.32	$144.25	1.77%
72,000	250.0	$3,655.56	$3,847.68	$192.12	5.26%	$2,923.44	$2,919.30	-$4.15	-0.14%	$6,579.00	$6,766.98	$187.98	2.86%
90,000	250.0	$3,794.65	$3,986.78	$192.12	5.06%	$3,654.31	$3,649.12	-$5.18	-0.14%	$7,448.96	$7,635.90	$186.94	2.51%
108,000	250.0	$3,933.75	$4,125.87	$192.12	4.88%	$4,385.17	$4,378.95	-$6.22	-0.14%	$8,318.91	$8,504.82	$185.90	2.23%
144,000	250.0	$4,211.94	$4,404.06	$192.12	4.56%	$5,846.89	$5,838.60	-$8.29	-0.14%	$10,058.83	$10,242.66	$183.83	1.83%
135,360	470.0	$6,436.84	$6,810.41	$373.57	5.80%	$5,496.08	$5,488.28	-$7.79	-0.14%	$11,932.91	$12,298.69	$365.77	3.07%
169,200	470.0	$6,698.34	$7,071.91	$373.57	5.58%	$6,870.09	$6,860.35	-$9.74	-0.14%	$13,568.43	$13,932.26	$363.82	2.68%
203,040	470.0	$6,959.84	$7,333.40	$373.57	5.37%	$8,244.11	$8,232.42	-$11.69	-0.14%	$15,203.95	$15,565.83	$361.88	2.38%
270,720	470.0	$7,482.83	$7,856.40	$373.57	4.99%	$10,992.15	$10,976.56	-$15.59	-0.14%	$18,474.99	$18,832.96	$357.98	1.94%
216,000	750.0	$9,976.65	$10,581.15	$604.49	6.06%	$8,770.33	$8,757.90	-$12.44	-0.14%	$18,746.99	$19,339.04	$592.06	3.16%
270,000	750.0	$10,393.94	$10,998.43	$604.49	5.82%	$10,962.92	$10,947.37	-$15.55	-0.14%	$21,356.85	$21,945.80	$588.95	2.76%
324,000	750.0	$10,811.22	$11,415.72	$604.49	5.59%	$13,155.50	$13,136.84	-$18.66	-0.14%	$23,966.72	$24,552.56	$585.84	2.44%
432,000	750.0	$11,645.79	$12,250.29	$604.49	5.19%	$17,540.67	$17,515.79	-$24.88	-0.14%	$29,186.46	$29,766.08	$579.62	1.99%
432,000	1,500.0	$19,458.29	$20,681.35	$1,223.05	6.29%	$17,540.67	$17,515.79	-$24.88	-0.14%	$36,998.96	$38,197.14	$1,198.18	3.24%
540,000	1,500.0	$20,292.86	$21,515.92	$1,223.05	6.03%	$21,925.83	$21,894.74	-$31.09	-0.14%	$42,218.70	$43,410.66	$1,191.96	2.82%
648,000	1,500.0	$21,127.44	$22,350.49	$1,223.05	5.79%	$26,311.00	$26,273.69	-$37.31	-0.14%	$47,438.44	$48,624.17	$1,185.74	2.50%
864,000	1,500.0	$22,796.58	$24,019.63	$1,223.05	5.37%	$35,081.33	$35,031.58	-$49.75	-0.14%	$57,877.91	$59,051.21	$1,173.30	2.03%
576,000	2,000.0	$25,779.39	$27,414.81	$1,635.42	6.34%	$23,387.56	$23,354.39	-$33.17	-0.14%	$49,166.94	$50,769.20	$1,602.26	3.26%
720,000	2,000.0	$26,892.15	$28,527.57	$1,635.42	6.08%	$29,234.45	$29,192.99	-$41.46	-0.14%	$56,126.59	$57,720.56	$1,593.96	2.84%
864,000	2,000.0	$28,004.91	$29,640.33	$1,635.42	5.84%	$35,081.33	$35,031.58	-$49.75	-0.14%	$63,086.25	$64,671.92	$1,585.67	2.51%
1,152,000	2,000.0	$30,230.43	$31,865.86	$1,635.42	5.41%	$46,775.11	$46,708.78	-$66.33	-0.14%	$77,005.55	$78,574.63	$1,569.09	2.04%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$480.16	$466.52
Delivery Charge	$/kW	$9.89	$10.69
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.18	$0.18
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03395	$0.03395
Merchant Function Charge	$/kWh	$0.00049	$0.00043
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION)
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,359.24	$1,419.96	$60.72	4.47%	$1,149.40	$1,147.70	-$1.70	-0.15%	$2,508.63	$2,567.65	$59.02	2.35%
36,000	100.0	$1,414.87	$1,475.60	$60.72	4.29%	$1,436.75	$1,434.62	-$2.13	-0.15%	$2,851.62	$2,910.21	$58.60	2.05%
43,200	100.0	$1,470.51	$1,531.23	$60.72	4.13%	$1,724.09	$1,721.54	-$2.55	-0.15%	$3,194.61	$3,252.78	$58.17	1.82%
57,600	100.0	$1,581.79	$1,642.51	$60.72	3.84%	$2,298.79	$2,295.39	-$3.40	-0.15%	$3,880.58	$3,937.90	$57.32	1.48%
57,600	200.0	$1,908.16	$2,011.15	$102.99	5.40%	$2,298.79	$2,295.39	-$3.40	-0.15%	$4,206.96	$4,306.54	$99.59	2.37%
72,000	200.0	$2,019.44	$2,122.43	$102.99	5.10%	$2,873.49	$2,869.24	-$4.25	-0.15%	$4,892.93	$4,991.67	$98.74	2.02%
86,400	200.0	$2,130.72	$2,233.70	$102.99	4.83%	$3,448.19	$3,443.09	-$5.10	-0.15%	$5,578.90	$5,676.79	$97.89	1.75%
115,200	200.0	$2,353.27	$2,456.26	$102.99	4.38%	$4,597.59	$4,590.78	-$6.80	-0.15%	$6,950.85	$7,047.04	$96.19	1.38%
72,000	250.0	$2,182.63	$2,306.75	$124.12	5.69%	$2,873.49	$2,869.24	-$4.25	-0.15%	$5,056.12	$5,175.99	$119.87	2.37%
90,000	250.0	$2,321.72	$2,445.85	$124.12	5.35%	$3,591.86	$3,586.55	-$5.32	-0.15%	$5,913.58	$6,032.39	$118.81	2.01%
108,000	250.0	$2,460.82	$2,584.94	$124.12	5.04%	$4,310.24	$4,303.86	-$6.38	-0.15%	$6,771.05	$6,888.80	$117.74	1.74%
144,000	250.0	$2,739.01	$2,863.13	$124.12	4.53%	$5,746.98	$5,738.48	-$8.51	-0.15%	$8,485.99	$8,601.61	$115.62	1.36%
144,000	500.0	$3,554.94	$3,784.74	$229.79	6.46%	$5,746.98	$5,738.48	-$8.51	-0.15%	$9,301.92	$9,523.21	$221.29	2.38%
180,000	500.0	$3,833.13	$4,062.93	$229.79	5.99%	$7,183.73	$7,173.10	-$10.63	-0.15%	$11,016.86	$11,236.02	$219.16	1.99%
216,000	500.0	$4,111.32	$4,341.12	$229.79	5.59%	$8,620.47	$8,607.71	-$12.76	-0.15%	$12,731.80	$12,948.83	$217.04	1.70%
288,000	500.0	$4,667.70	$4,897.50	$229.79	4.92%	$11,493.96	$11,476.95	-$17.01	-0.15%	$16,161.67	$16,374.45	$212.78	1.32%
218,880	760.0	$4,982.15	$5,321.84	$339.69	6.82%	$8,735.41	$8,722.48	-$12.93	-0.15%	$13,717.56	$14,044.33	$326.76	2.38%
273,600	760.0	$5,405.00	$5,744.69	$339.69	6.28%	$10,919.26	$10,903.11	-$16.16	-0.15%	$16,324.27	$16,647.80	$323.53	1.98%
328,320	760.0	$5,827.85	$6,167.54	$339.69	5.83%	$13,103.12	$13,083.73	-$19.39	-0.15%	$18,930.97	$19,251.27	$320.30	1.69%
437,760	760.0	$6,673.55	$7,013.24	$339.69	5.09%	$17,470.82	$17,444.97	-$25.86	-0.15%	$24,144.37	$24,458.21	$313.84	1.30%
432,000	1,500.0	$9,044.21	$9,696.69	$652.47	7.21%	$17,240.94	$17,215.43	-$25.52	-0.15%	$26,285.16	$26,912.12	$626.96	2.39%
540,000	1,500.0	$9,878.78	$10,531.26	$652.47	6.60%	$21,551.18	$21,519.29	-$31.89	-0.15%	$31,429.96	$32,050.54	$620.58	1.97%
648,000	1,500.0	$10,713.35	$11,365.83	$652.47	6.09%	$25,861.42	$25,823.14	-$38.27	-0.15%	$36,574.77	$37,188.97	$614.20	1.68%
864,000	1,500.0	$12,382.49	$13,034.97	$652.47	5.27%	$34,481.89	$34,430.86	-$51.03	-0.15%	$46,864.38	$47,465.83	$601.44	1.28%
576,000	2,000.0	$11,788.85	$12,652.66	$863.81	7.33%	$22,987.93	$22,953.91	-$34.02	-0.15%	$34,776.77	$35,606.57	$829.79	2.39%
720,000	2,000.0	$12,901.61	$13,765.42	$863.81	6.70%	$28,734.91	$28,692.38	-$42.53	-0.15%	$41,636.51	$42,457.80	$821.29	1.97%
864,000	2,000.0	$14,014.37	$14,878.18	$863.81	6.16%	$34,481.89	$34,430.86	-$51.03	-0.15%	$48,496.26	$49,309.04	$812.78	1.68%
1,152,000	2,000.0	$16,239.89	$17,103.70	$863.81	5.32%	$45,975.85	$45,907.81	-$68.04	-0.15%	$62,215.74	$63,011.52	$795.77	1.28%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$786.00	$803.90
Delivery Charge	$/kW	$2.99	$3.40
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03327	$0.03327
Merchant Function Charge	$/kWh	$0.00049	$0.00043
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION) - SPECIAL PROVISION L
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,404.04	$1,444.21	$40.16	2.86%	$1,149.40	$1,147.70	-$1.70	-0.15%	$2,553.44	$2,591.90	$38.46	1.51%
36,000	100.0	$1,459.68	$1,499.84	$40.16	2.75%	$1,436.75	$1,434.62	-$2.13	-0.15%	$2,896.42	$2,934.46	$38.04	1.31%
43,200	100.0	$1,515.32	$1,555.48	$40.16	2.65%	$1,724.09	$1,721.54	-$2.55	-0.15%	$3,239.41	$3,277.02	$37.61	1.16%
57,600	100.0	$1,626.59	$1,666.76	$40.16	2.47%	$2,298.79	$2,295.39	-$3.40	-0.15%	$3,925.39	$3,962.15	$36.76	0.94%
57,600	200.0	$1,952.97	$2,035.40	$82.43	4.22%	$2,298.79	$2,295.39	-$3.40	-0.15%	$4,251.76	$4,330.79	$79.03	1.86%
72,000	200.0	$2,064.24	$2,146.68	$82.43	3.99%	$2,873.49	$2,869.24	-$4.25	-0.15%	$4,937.73	$5,015.91	$78.18	1.58%
86,400	200.0	$2,175.52	$2,257.95	$82.43	3.79%	$3,448.19	$3,443.09	-$5.10	-0.15%	$5,623.71	$5,701.04	$77.33	1.38%
115,200	200.0	$2,398.07	$2,480.50	$82.43	3.44%	$4,597.59	$4,590.78	-$6.80	-0.15%	$6,995.66	$7,071.29	$75.63	1.08%
72,000	250.0	$2,227.43	$2,331.00	$103.57	4.65%	$2,873.49	$2,869.24	-$4.25	-0.15%	$5,100.92	$5,200.24	$99.31	1.95%
90,000	250.0	$2,366.53	$2,470.09	$103.57	4.38%	$3,591.86	$3,586.55	-$5.32	-0.15%	$5,958.39	$6,056.64	$98.25	1.65%
108,000	250.0	$2,505.62	$2,609.19	$103.57	4.13%	$4,310.24	$4,303.86	-$6.38	-0.15%	$6,815.86	$6,913.05	$97.19	1.43%
144,000	250.0	$2,783.81	$2,887.38	$103.57	3.72%	$5,746.98	$5,738.48	-$8.51	-0.15%	$8,530.79	$8,625.85	$95.06	1.11%
144,000	500.0	$3,599.75	$3,808.98	$209.24	5.81%	$5,746.98	$5,738.48	-$8.51	-0.15%	$9,346.73	$9,547.46	$200.73	2.15%
180,000	500.0	$3,877.94	$4,087.17	$209.24	5.40%	$7,183.73	$7,173.10	-$10.63	-0.15%	$11,061.66	$11,260.27	$198.61	1.80%
216,000	500.0	$4,156.13	$4,365.37	$209.24	5.03%	$8,620.47	$8,607.71	-$12.76	-0.15%	$12,776.60	$12,973.08	$196.48	1.54%
288,000	500.0	$4,712.51	$4,921.75	$209.24	4.44%	$11,493.96	$11,476.95	-$17.01	-0.15%	$16,206.47	$16,398.70	$192.23	1.19%
218,880	760.0	$5,026.96	$5,346.09	$319.13	6.35%	$8,735.41	$8,722.48	-$12.93	-0.15%	$13,762.37	$14,068.58	$306.21	2.22%
273,600	760.0	$5,449.81	$5,768.94	$319.13	5.86%	$10,919.26	$10,903.11	-$16.16	-0.15%	$16,369.07	$16,672.05	$302.97	1.85%
328,320	760.0	$5,872.66	$6,191.79	$319.13	5.43%	$13,103.12	$13,083.73	-$19.39	-0.15%	$18,975.77	$19,275.52	$299.74	1.58%
437,760	760.0	$6,718.35	$7,037.49	$319.13	4.75%	$17,470.82	$17,444.97	-$25.86	-0.15%	$24,189.18	$24,482.46	$293.28	1.21%
432,000	1,500.0	$9,089.02	$9,720.93	$631.92	6.95%	$17,240.94	$17,215.43	-$25.52	-0.15%	$26,329.96	$26,936.36	$606.40	2.30%
540,000	1,500.0	$9,923.59	$10,555.50	$631.92	6.37%	$21,551.18	$21,519.29	-$31.89	-0.15%	$31,474.77	$32,074.79	$600.02	1.91%
648,000	1,500.0	$10,758.16	$11,390.07	$631.92	5.87%	$25,861.42	$25,823.14	-$38.27	-0.15%	$36,619.57	$37,213.22	$593.64	1.62%
864,000	1,500.0	$12,427.30	$13,059.22	$631.92	5.08%	$34,481.89	$34,430.86	-$51.03	-0.15%	$46,909.19	$47,490.08	$580.89	1.24%
576,000	2,000.0	$11,833.65	$12,676.91	$843.26	7.13%	$22,987.93	$22,953.91	-$34.02	-0.15%	$34,821.58	$35,630.81	$809.24	2.32%
720,000	2,000.0	$12,946.41	$13,789.67	$843.26	6.51%	$28,734.91	$28,692.38	-$42.53	-0.15%	$41,681.32	$42,482.05	$800.73	1.92%
864,000	2,000.0	$14,059.17	$14,902.43	$843.26	6.00%	$34,481.89	$34,430.86	-$51.03	-0.15%	$48,541.06	$49,333.29	$792.23	1.63%
1,152,000	2,000.0	$16,284.69	$17,127.95	$843.26	5.18%	$45,975.85	$45,907.81	-$68.04	-0.15%	$62,260.55	$63,035.76	$775.22	1.25%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$829.46	$827.42
Delivery Charge	$/kW	$2.99	$3.40
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03327	$0.03327
Merchant Function Charge	$/kWh	$0.00049	$0.00043
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (TRANSMISSION)
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,359.24	$1,419.96	$60.72	4.47%	$1,098.49	$1,096.68	-$1.81	-0.16%	$2,457.73	$2,516.64	$58.91	2.40%
36,000	100.0	$1,414.87	$1,475.60	$60.72	4.29%	$1,373.11	$1,370.85	-$2.26	-0.16%	$2,787.99	$2,846.45	$58.46	2.10%
43,200	100.0	$1,470.51	$1,531.23	$60.72	4.13%	$1,647.74	$1,645.02	-$2.71	-0.16%	$3,118.25	$3,176.26	$58.01	1.86%
57,600	100.0	$1,581.79	$1,642.51	$60.72	3.84%	$2,196.98	$2,193.36	-$3.62	-0.16%	$3,778.77	$3,835.87	$57.10	1.51%
57,600	200.0	$1,908.16	$2,011.15	$102.99	5.40%	$2,196.98	$2,193.36	-$3.62	-0.16%	$4,105.14	$4,204.51	$99.37	2.42%
72,000	200.0	$2,019.44	$2,122.43	$102.99	5.10%	$2,746.23	$2,741.70	-$4.52	-0.16%	$4,765.67	$4,864.13	$98.47	2.07%
86,400	200.0	$2,130.72	$2,233.70	$102.99	4.83%	$3,295.47	$3,290.04	-$5.43	-0.16%	$5,426.19	$5,523.75	$97.56	1.80%
115,200	200.0	$2,353.27	$2,456.26	$102.99	4.38%	$4,393.96	$4,386.72	-$7.24	-0.16%	$6,747.23	$6,842.98	$95.75	1.42%
72,000	250.0	$2,182.63	$2,306.75	$124.12	5.69%	$2,746.23	$2,741.70	-$4.52	-0.16%	$4,928.85	$5,048.45	$119.60	2.43%
90,000	250.0	$2,321.72	$2,445.85	$124.12	5.35%	$3,432.78	$3,427.13	-$5.66	-0.16%	$5,754.50	$5,872.97	$118.47	2.06%
108,000	250.0	$2,460.82	$2,584.94	$124.12	5.04%	$4,119.34	$4,112.55	-$6.79	-0.16%	$6,580.16	$6,697.49	$117.34	1.78%
144,000	250.0	$2,739.01	$2,863.13	$124.12	4.53%	$5,492.45	$5,483.41	-$9.05	-0.16%	$8,231.46	$8,346.54	$115.08	1.40%
144,000	500.0	$3,554.94	$3,784.74	$229.79	6.46%	$5,492.45	$5,483.41	-$9.05	-0.16%	$9,047.40	$9,268.14	$220.75	2.44%
180,000	500.0	$3,833.13	$4,062.93	$229.79	5.99%	$6,865.57	$6,854.26	-$11.31	-0.16%	$10,698.70	$10,917.18	$218.48	2.04%
216,000	500.0	$4,111.32	$4,341.12	$229.79	5.59%	$8,238.68	$8,225.11	-$13.57	-0.16%	$12,350.00	$12,566.23	$216.22	1.75%
288,000	500.0	$4,667.70	$4,897.50	$229.79	4.92%	$10,984.91	$10,966.81	-$18.10	-0.16%	$15,652.61	$15,864.31	$211.70	1.35%
273,600	950.0	$6,025.11	$6,445.11	$420.00	6.97%	$10,435.66	$10,418.47	-$17.19	-0.16%	$16,460.78	$16,863.58	$402.81	2.45%
342,000	950.0	$6,553.68	$6,973.68	$420.00	6.41%	$13,044.58	$13,023.09	-$21.49	-0.16%	$19,598.25	$19,996.76	$398.51	2.03%
410,400	950.0	$7,082.24	$7,502.24	$420.00	5.93%	$15,653.49	$15,627.71	-$25.79	-0.16%	$22,735.73	$23,129.94	$394.21	1.73%
547,200	950.0	$8,139.36	$8,559.36	$420.00	5.16%	$20,871.32	$20,836.94	-$34.38	-0.16%	$29,010.68	$29,396.30	$385.62	1.33%
432,000	1,500.0	$9,044.21	$9,696.69	$652.47	7.21%	$16,477.36	$16,450.22	-$27.14	-0.16%	$25,521.57	$26,146.90	$625.33	2.45%
540,000	1,500.0	$9,878.78	$10,531.26	$652.47	6.60%	$20,596.70	$20,562.77	-$33.93	-0.16%	$30,475.48	$31,094.03	$618.54	2.03%
648,000	1,500.0	$10,713.35	$11,365.83	$652.47	6.09%	$24,716.04	$24,675.32	-$40.72	-0.16%	$35,429.39	$36,041.15	$611.76	1.73%
864,000	1,500.0	$12,382.49	$13,034.97	$652.47	5.27%	$32,954.72	$32,900.43	-$54.29	-0.16%	$45,337.22	$45,935.40	$598.18	1.32%
576,000	2,000.0	$11,788.85	$12,652.66	$863.81	7.33%	$21,969.81	$21,933.62	-$36.19	-0.16%	$33,758.66	$34,586.28	$827.62	2.45%
720,000	2,000.0	$12,901.61	$13,765.42	$863.81	6.70%	$27,462.27	$27,417.03	-$45.24	-0.16%	$40,363.87	$41,182.45	$818.57	2.03%
864,000	2,000.0	$14,014.37	$14,878.18	$863.81	6.16%	$32,954.72	$32,900.43	-$54.29	-0.16%	$46,969.09	$47,778.61	$809.52	1.72%
1,152,000	2,000.0	$16,239.89	$17,103.70	$863.81	5.32%	$43,939.63	$43,867.24	-$72.39	-0.16%	$60,179.52	$60,970.95	$791.43	1.32%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$786.00	$803.90
Delivery Charge	$/kW	$2.99	$3.40
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03153	$0.03153
Merchant Function Charge	$/kWh	$0.00047	$0.00041
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (TRANSMISSION) - SPECIAL PROVISION L
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,404.04	$1,444.21	$40.16	2.86%	$1,098.49	$1,096.68	-$1.81	-0.16%	$2,502.53	$2,540.89	$38.36	1.53%
36,000	100.0	$1,459.68	$1,499.84	$40.16	2.75%	$1,373.11	$1,370.85	-$2.26	-0.16%	$2,832.79	$2,870.69	$37.90	1.34%
43,200	100.0	$1,515.32	$1,555.48	$40.16	2.65%	$1,647.74	$1,645.02	-$2.71	-0.16%	$3,163.05	$3,200.50	$37.45	1.18%
57,600	100.0	$1,626.59	$1,666.76	$40.16	2.47%	$2,196.98	$2,193.36	-$3.62	-0.16%	$3,823.57	$3,860.12	$36.55	0.96%
57,600	200.0	$1,952.97	$2,035.40	$82.43	4.22%	$2,196.98	$2,193.36	-$3.62	-0.16%	$4,149.95	$4,228.76	$78.81	1.90%
72,000	200.0	$2,064.24	$2,146.68	$82.43	3.99%	$2,746.23	$2,741.70	-$4.52	-0.16%	$4,810.47	$4,888.38	$77.91	1.62%
86,400	200.0	$2,175.52	$2,257.95	$82.43	3.79%	$3,295.47	$3,290.04	-$5.43	-0.16%	$5,470.99	$5,548.00	$77.00	1.41%
115,200	200.0	$2,398.07	$2,480.50	$82.43	3.44%	$4,393.96	$4,386.72	-$7.24	-0.16%	$6,792.03	$6,867.23	$75.19	1.11%
72,000	250.0	$2,227.43	$2,331.00	$103.57	4.65%	$2,746.23	$2,741.70	-$4.52	-0.16%	$4,973.66	$5,072.70	$99.04	1.99%
90,000	250.0	$2,366.53	$2,470.09	$103.57	4.38%	$3,432.78	$3,427.13	-$5.66	-0.16%	$5,799.31	$5,897.22	$97.91	1.69%
108,000	250.0	$2,505.62	$2,609.19	$103.57	4.13%	$4,119.34	$4,112.55	-$6.79	-0.16%	$6,624.96	$6,721.74	$96.78	1.46%
144,000	250.0	$2,783.81	$2,887.38	$103.57	3.72%	$5,492.45	$5,483.41	-$9.05	-0.16%	$8,276.26	$8,370.78	$94.52	1.14%
144,000	500.0	$3,599.75	$3,808.98	$209.24	5.81%	$5,492.45	$5,483.41	-$9.05	-0.16%	$9,092.20	$9,292.39	$200.19	2.20%
180,000	500.0	$3,877.94	$4,087.17	$209.24	5.40%	$6,865.57	$6,854.26	-$11.31	-0.16%	$10,743.50	$10,941.43	$197.93	1.84%
216,000	500.0	$4,156.13	$4,365.37	$209.24	5.03%	$8,238.68	$8,225.11	-$13.57	-0.16%	$12,394.81	$12,590.47	$195.66	1.58%
288,000	500.0	$4,712.51	$4,921.75	$209.24	4.44%	$10,984.91	$10,966.81	-$18.10	-0.16%	$15,697.42	$15,888.56	$191.14	1.22%
273,600	950.0	$6,069.92	$6,469.36	$399.44	6.58%	$10,435.66	$10,418.47	-$17.19	-0.16%	$16,505.58	$16,887.83	$382.25	2.32%
342,000	950.0	$6,598.48	$6,997.92	$399.44	6.05%	$13,044.58	$13,023.09	-$21.49	-0.16%	$19,643.06	$20,021.01	$377.95	1.92%
410,400	950.0	$7,127.04	$7,526.48	$399.44	5.60%	$15,653.49	$15,627.71	-$25.79	-0.16%	$22,780.53	$23,154.19	$373.66	1.64%
547,200	950.0	$8,184.16	$8,583.61	$399.44	4.88%	$20,871.32	$20,836.94	-$34.38	-0.16%	$29,055.49	$29,420.55	$365.06	1.26%
432,000	1,500.0	$9,089.02	$9,720.93	$631.92	6.95%	$16,477.36	$16,450.22	-$27.14	-0.16%	$25,566.38	$26,171.15	$604.77	2.37%
540,000	1,500.0	$9,923.59	$10,555.50	$631.92	6.37%	$20,596.70	$20,562.77	-$33.93	-0.16%	$30,520.29	$31,118.27	$597.99	1.96%
648,000	1,500.0	$10,758.16	$11,390.07	$631.92	5.87%	$24,716.04	$24,675.32	-$40.72	-0.16%	$35,474.20	$36,065.40	$591.20	1.67%
864,000	1,500.0	$12,427.30	$13,059.22	$631.92	5.08%	$32,954.72	$32,900.43	-$54.29	-0.16%	$45,382.02	$45,959.65	$577.63	1.27%
576,000	2,000.0	$11,833.65	$12,676.91	$843.26	7.13%	$21,969.81	$21,933.62	-$36.19	-0.16%	$33,803.46	$34,610.53	$807.06	2.39%
720,000	2,000.0	$12,946.41	$13,789.67	$843.26	6.51%	$27,462.27	$27,417.03	-$45.24	-0.16%	$40,408.68	$41,206.70	$798.02	1.97%
864,000	2,000.0	$14,059.17	$14,902.43	$843.26	6.00%	$32,954.72	$32,900.43	-$54.29	-0.16%	$47,013.89	$47,802.86	$788.97	1.68%
1,152,000	2,000.0	$16,284.69	$17,127.95	$843.26	5.18%	$43,939.63	$43,867.24	-$72.39	-0.16%	$60,224.32	$60,995.20	$770.87	1.28%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$829.46	$827.42
Delivery Charge	$/kW	$2.99	$3.40
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03153	$0.03153
Merchant Function Charge	$/kWh	$0.00047	$0.00041
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (SECONDARY)
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
547,200	60%	1,900.0	$27,746.96	$29,646.96	$1,900.00	6.85%	$23,245.12	$23,213.13	-$31.98	-0.14%	$50,992.08	$52,860.10	$1,868.02	3.66%
547,200	50%	1,900.0	$27,746.96	$29,646.96	$1,900.00	6.85%	$22,151.19	$22,119.21	-$31.98	-0.14%	$49,898.16	$51,766.17	$1,868.02	3.74%
547,200	40%	1,900.0	$27,746.96	$29,646.96	$1,900.00	6.85%	$21,057.27	$21,025.29	-$31.98	-0.15%	$48,804.23	$50,672.25	$1,868.02	3.83%
820,800	60%	1,900.0	$29,861.21	$31,761.21	$1,900.00	6.36%	$34,867.67	$34,819.70	-$47.97	-0.14%	$64,728.88	$66,580.91	$1,852.03	2.86%
820,800	50%	1,900.0	$29,861.21	$31,761.21	$1,900.00	6.36%	$33,226.79	$33,178.82	-$47.97	-0.14%	$63,088.00	$64,940.03	$1,852.03	2.94%
820,800	40%	1,900.0	$29,861.21	$31,761.21	$1,900.00	6.36%	$31,585.91	$31,537.93	-$47.97	-0.15%	$61,447.12	$63,299.14	$1,852.03	3.01%
1,094,400	60%	1,900.0	$31,975.46	$33,875.46	$1,900.00	5.94%	$46,490.23	$46,426.27	-$63.97	-0.14%	$78,465.69	$80,301.72	$1,836.03	2.34%
1,094,400	50%	1,900.0	$31,975.46	$33,875.46	$1,900.00	5.94%	$44,302.39	$44,238.42	-$63.97	-0.14%	$76,277.84	$78,113.88	$1,836.03	2.41%
1,094,400	40%	1,900.0	$31,975.46	$33,875.46	$1,900.00	5.94%	$42,114.54	$42,050.58	-$63.97	-0.15%	$74,090.00	$75,926.03	$1,836.03	2.48%
633,600	60%	2,200.0	$31,802.51	$33,996.32	$2,193.81	6.90%	$26,915.40	$26,878.37	-$37.03	-0.14%	$58,717.90	$60,874.69	$2,156.78	3.67%
633,600	50%	2,200.0	$31,802.51	$33,996.32	$2,193.81	6.90%	$25,648.75	$25,611.72	-$37.03	-0.14%	$57,451.26	$59,608.04	$2,156.78	3.75%
633,600	40%	2,200.0	$31,802.51	$33,996.32	$2,193.81	6.90%	$24,382.10	$24,345.07	-$37.03	-0.15%	$56,184.61	$58,341.39	$2,156.78	3.84%
950,400	60%	2,200.0	$34,250.58	$36,444.40	$2,193.81	6.41%	$40,373.10	$40,317.55	-$55.55	-0.14%	$74,623.68	$76,761.94	$2,138.27	2.87%
950,400	50%	2,200.0	$34,250.58	$36,444.40	$2,193.81	6.41%	$38,473.13	$38,417.58	-$55.55	-0.14%	$72,723.71	$74,861.97	$2,138.27	2.94%
950,400	40%	2,200.0	$34,250.58	$36,444.40	$2,193.81	6.41%	$36,573.16	$36,517.61	-$55.55	-0.15%	$70,823.74	$72,962.00	$2,138.27	3.02%
1,267,200	60%	2,200.0	$36,698.66	$38,892.47	$2,193.81	5.98%	$53,830.80	$53,756.73	-$74.07	-0.14%	$90,529.45	$92,649.20	$2,119.75	2.34%
1,267,200	50%	2,200.0	$36,698.66	$38,892.47	$2,193.81	5.98%	$51,297.50	$51,223.44	-$74.07	-0.14%	$87,996.16	$90,115.91	$2,119.75	2.41%
1,267,200	40%	2,200.0	$36,698.66	$38,892.47	$2,193.81	5.98%	$48,764.21	$48,690.14	-$74.07	-0.15%	$85,462.86	$87,582.61	$2,119.75	2.48%
1,008,000	60%	3,500.0	$49,376.53	$52,843.54	$3,467.01	7.02%	$42,819.95	$42,761.04	-$58.92	-0.14%	$92,196.48	$95,604.57	$3,408.09	3.70%
1,008,000	50%	3,500.0	$49,376.53	$52,843.54	$3,467.01	7.02%	$40,804.83	$40,745.92	-$58.92	-0.14%	$90,181.36	$93,589.45	$3,408.09	3.78%
1,008,000	40%	3,500.0	$49,376.53	$52,843.54	$3,467.01	7.02%	$38,789.71	$38,730.80	-$58.92	-0.15%	$88,166.24	$91,574.33	$3,408.09	3.87%
1,512,000	60%	3,500.0	$53,271.19	$56,738.20	$3,467.01	6.51%	$64,229.93	$64,141.55	-$88.37	-0.14%	$117,501.12	$120,879.76	$3,378.64	2.88%
1,512,000	50%	3,500.0	$53,271.19	$56,738.20	$3,467.01	6.51%	$61,207.25	$61,118.87	-$88.37	-0.14%	$114,478.44	$117,857.07	$3,378.64	2.95%
1,512,000	40%	3,500.0	$53,271.19	$56,738.20	$3,467.01	6.51%	$58,184.57	$58,096.19	-$88.37	-0.15%	$111,455.76	$114,834.39	$3,378.64	3.03%
2,016,000	60%	3,500.0	$57,165.86	$60,632.87	$3,467.01	6.06%	$85,639.90	$85,522.07	-$117.83	-0.14%	$142,805.76	$146,154.94	$3,349.18	2.35%
2,016,000	50%	3,500.0	$57,165.86	$60,632.87	$3,467.01	6.06%	$81,609.66	$81,491.83	-$117.83	-0.14%	$138,775.52	$142,124.70	$3,349.18	2.41%
2,016,000	40%	3,500.0	$57,165.86	$60,632.87	$3,467.01	6.06%	$77,579.42	$77,461.59	-$117.83	-0.15%	$134,745.28	$138,094.46	$3,349.18	2.49%
1,152,000	60%	4,000.0	$56,135.77	$60,092.47	$3,956.70	7.05%	$48,937.09	$48,869.75	-$67.33	-0.14%	$105,072.85	$108,962.22	$3,889.37	3.70%
1,152,000	50%	4,000.0	$56,135.77	$60,092.47	$3,956.70	7.05%	$46,634.09	$46,566.76	-$67.33	-0.14%	$102,769.86	$106,659.23	$3,889.37	3.78%
1,152,000	40%	4,000.0	$56,135.77	$60,092.47	$3,956.70	7.05%	$44,331.10	$44,263.77	-$67.33	-0.15%	$100,466.86	$104,356.23	$3,889.37	3.87%
1,728,000	60%	4,000.0	$60,586.81	$64,543.51	$3,956.70	6.53%	$73,405.63	$73,304.63	-$101.00	-0.14%	$133,992.44	$137,848.14	$3,855.70	2.88%
1,728,000	50%	4,000.0	$60,586.81	$64,543.51	$3,956.70	6.53%	$69,951.14	$69,850.14	-$101.00	-0.14%	$130,537.95	$134,393.65	$3,855.70	2.95%
1,728,000	40%	4,000.0	$60,586.81	$64,543.51	$3,956.70	6.53%	$66,496.65	$66,395.65	-$101.00	-0.15%	$127,083.46	$130,939.16	$3,855.70	3.03%
2,304,000	60%	4,000.0	$65,037.86	$68,994.56	$3,956.70	6.08%	$97,874.17	$97,739.51	-$134.66	-0.14%	$162,912.03	$166,734.07	$3,822.04	2.35%
2,304,000	50%	4,000.0	$65,037.86	$68,994.56	$3,956.70	6.08%	$93,268.19	$93,133.52	-$134.66	-0.14%	$158,306.04	$162,128.08	$3,822.04	2.41%
2,304,000	40%	4,000.0	$65,037.86	$68,994.56	$3,956.70	6.08%	$88,662.20	$88,527.53	-$134.66	-0.15%	$153,700.05	$157,522.09	$3,822.04	2.49%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$2,000.00	$2,038.00
Delivery Charge	$/kW	$10.77	$11.72
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.15	$0.15
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.04373	$0.04373
Energy Charge Off-peak (includes capacity)	$/kWh	$0.02394	$0.02394
Merchant Function Charge	$/kWh	$0.00049	$0.00043
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (PRIMARY)
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
777,600	60%	2,700.0	$38,561.75	$41,245.25	$2,683.51	6.96%	$32,027.82	$31,980.47	-$47.35	-0.15%	$70,589.56	$73,225.72	$2,636.16	3.73%
777,600	50%	2,700.0	$38,561.75	$41,245.25	$2,683.51	6.96%	$30,573.18	$30,525.83	-$47.35	-0.15%	$69,134.92	$71,771.08	$2,636.16	3.81%
777,600	40%	2,700.0	$38,561.75	$41,245.25	$2,683.51	6.96%	$29,118.53	$29,071.19	-$47.35	-0.16%	$67,680.28	$70,316.44	$2,636.16	3.90%
1,166,400	60%	2,700.0	$41,566.20	$44,249.71	$2,683.51	6.46%	$48,041.73	$47,970.70	-$71.02	-0.15%	$89,607.93	$92,220.41	$2,612.48	2.92%
1,166,400	50%	2,700.0	$41,566.20	$44,249.71	$2,683.51	6.46%	$45,859.76	$45,788.74	-$71.02	-0.15%	$87,425.96	$90,038.45	$2,612.48	2.99%
1,166,400	40%	2,700.0	$41,566.20	$44,249.71	$2,683.51	6.46%	$43,677.80	$43,606.78	-$71.02	-0.16%	$85,244.00	$87,856.49	$2,612.48	3.06%
1,555,200	60%	2,700.0	$44,570.66	$47,254.16	$2,683.51	6.02%	$64,055.64	$63,960.94	-$94.70	-0.15%	$108,626.29	$111,215.10	$2,588.81	2.38%
1,555,200	50%	2,700.0	$44,570.66	$47,254.16	$2,683.51	6.02%	$61,146.35	$61,051.66	-$94.70	-0.15%	$105,717.01	$108,305.82	$2,588.81	2.45%
1,555,200	40%	2,700.0	$44,570.66	$47,254.16	$2,683.51	6.02%	$58,237.07	$58,142.37	-$94.70	-0.16%	$102,807.72	$105,396.53	$2,588.81	2.52%
1,008,000	60%	3,500.0	$49,376.53	$52,843.54	$3,467.01	7.02%	$41,517.54	$41,456.16	-$61.38	-0.15%	$90,894.07	$94,299.70	$3,405.63	3.75%
1,008,000	50%	3,500.0	$49,376.53	$52,843.54	$3,467.01	7.02%	$39,631.89	$39,570.52	-$61.38	-0.15%	$89,008.42	$92,414.06	$3,405.63	3.83%
1,008,000	40%	3,500.0	$49,376.53	$52,843.54	$3,467.01	7.02%	$37,746.25	$37,684.87	-$61.38	-0.16%	$87,122.78	$90,528.41	$3,405.63	3.91%
1,512,000	60%	3,500.0	$53,271.19	$56,738.20	$3,467.01	6.51%	$62,276.31	$62,184.25	-$92.07	-0.15%	$115,547.50	$118,922.45	$3,374.94	2.92%
1,512,000	50%	3,500.0	$53,271.19	$56,738.20	$3,467.01	6.51%	$59,447.84	$59,355.78	-$92.07	-0.15%	$112,719.03	$116,093.98	$3,374.94	2.99%
1,512,000	40%	3,500.0	$53,271.19	$56,738.20	$3,467.01	6.51%	$56,619.37	$56,527.31	-$92.07	-0.16%	$109,890.56	$113,265.51	$3,374.94	3.07%
2,016,000	60%	3,500.0	$57,165.86	$60,632.87	$3,467.01	6.06%	$83,035.08	$82,912.33	-$122.75	-0.15%	$140,200.94	$143,545.20	$3,344.26	2.39%
2,016,000	50%	3,500.0	$57,165.86	$60,632.87	$3,467.01	6.06%	$79,263.79	$79,141.04	-$122.75	-0.15%	$136,429.65	$139,773.90	$3,344.26	2.45%
2,016,000	40%	3,500.0	$57,165.86	$60,632.87	$3,467.01	6.06%	$75,492.50	$75,369.74	-$122.75	-0.16%	$132,658.35	$136,002.61	$3,344.26	2.52%
1,152,000	60%	4,000.0	$56,135.77	$60,092.47	$3,956.70	7.05%	$47,448.62	$47,378.47	-$70.15	-0.15%	$103,584.39	$107,470.94	$3,886.56	3.75%
1,152,000	50%	4,000.0	$56,135.77	$60,092.47	$3,956.70	7.05%	$45,293.59	$45,223.45	-$70.15	-0.15%	$101,429.36	$105,315.92	$3,886.56	3.83%
1,152,000	40%	4,000.0	$56,135.77	$60,092.47	$3,956.70	7.05%	$43,138.57	$43,068.42	-$70.15	-0.16%	$99,274.34	$103,160.89	$3,886.56	3.91%
1,728,000	60%	4,000.0	$60,586.81	$64,543.51	$3,956.70	6.53%	$71,172.93	$71,067.71	-$105.22	-0.15%	$131,759.74	$135,611.22	$3,851.48	2.92%
1,728,000	50%	4,000.0	$60,586.81	$64,543.51	$3,956.70	6.53%	$67,940.39	$67,835.17	-$105.22	-0.15%	$128,527.20	$132,378.69	$3,851.48	3.00%
1,728,000	40%	4,000.0	$60,586.81	$64,543.51	$3,956.70	6.53%	$64,707.85	$64,602.64	-$105.22	-0.16%	$125,294.67	$129,146.15	$3,851.48	3.07%
2,304,000	60%	4,000.0	$65,037.86	$68,994.56	$3,956.70	6.08%	$94,897.24	$94,756.95	-$140.29	-0.15%	$159,935.09	$163,751.50	$3,816.41	2.39%
2,304,000	50%	4,000.0	$65,037.86	$68,994.56	$3,956.70	6.08%	$90,587.19	$90,446.90	-$140.29	-0.15%	$155,625.04	$159,441.46	$3,816.41	2.45%
2,304,000	40%	4,000.0	$65,037.86	$68,994.56	$3,956.70	6.08%	$86,277.14	$86,136.85	-$140.29	-0.16%	$151,315.00	$155,131.41	$3,816.41	2.52%
3,888,000	60%	13,500.0	$184,561.30	$197,822.13	$13,260.82	7.19%	$160,139.09	$159,902.35	-$236.74	-0.15%	$344,700.39	$357,724.48	$13,024.09	3.78%
3,888,000	50%	13,500.0	$184,561.30	$197,822.13	$13,260.82	7.19%	$152,865.88	$152,629.14	-$236.74	-0.15%	$337,427.19	$350,451.27	$13,024.09	3.86%
3,888,000	40%	13,500.0	$184,561.30	$197,822.13	$13,260.82	7.19%	$145,592.67	$145,355.93	-$236.74	-0.16%	$330,153.98	$343,178.06	$13,024.09	3.94%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$2,000.00	$2,038.00
Delivery Charge	$/kW	$10.77	$11.72
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.15	$0.15
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.04195	$0.04195
Energy Charge Off-peak (includes capacity)	$/kWh	$0.02343	$0.02343
Merchant Function Charge	$/kWh	$0.00048	$0.00042
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (SUBTRANSMISSION)
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$18,214.92	$19,373.69	$1,158.76	6.36%	$29,401.99	$29,357.62	-$44.37	-0.15%	$47,616.92	$48,731.31	$1,114.39	2.34%
720,000	50%	2,500.0	$18,214.92	$19,373.69	$1,158.76	6.36%	$28,059.56	$28,015.19	-$44.37	-0.16%	$46,274.49	$47,388.88	$1,114.39	2.41%
720,000	40%	2,500.0	$18,214.92	$19,373.69	$1,158.76	6.36%	$26,717.13	$26,672.76	-$44.37	-0.17%	$44,932.06	$46,046.45	$1,114.39	2.48%
1,080,000	60%	2,500.0	$20,996.83	$22,155.59	$1,158.76	5.52%	$44,102.99	$44,036.43	-$66.56	-0.15%	$65,099.82	$66,192.02	$1,092.21	1.68%
1,080,000	50%	2,500.0	$20,996.83	$22,155.59	$1,158.76	5.52%	$42,089.35	$42,022.79	-$66.56	-0.16%	$63,086.17	$64,178.38	$1,092.21	1.73%
1,080,000	40%	2,500.0	$20,996.83	$22,155.59	$1,158.76	5.52%	$40,075.70	$40,009.14	-$66.56	-0.17%	$61,072.53	$62,164.73	$1,092.21	1.79%
1,440,000	60%	2,500.0	$23,778.73	$24,937.49	$1,158.76	4.87%	$58,803.99	$58,715.25	-$88.74	-0.15%	$82,582.72	$83,652.74	$1,070.02	1.30%
1,440,000	50%	2,500.0	$23,778.73	$24,937.49	$1,158.76	4.87%	$56,119.13	$56,030.38	-$88.74	-0.16%	$79,897.86	$80,967.88	$1,070.02	1.34%
1,440,000	40%	2,500.0	$23,778.73	$24,937.49	$1,158.76	4.87%	$53,434.27	$53,345.52	-$88.74	-0.17%	$77,212.99	$78,283.02	$1,070.02	1.39%
1,094,400	60%	3,800.0	$26,382.93	$28,117.98	$1,735.05	6.58%	$44,691.03	$44,623.59	-$67.44	-0.15%	$71,073.96	$72,741.57	$1,667.61	2.35%
1,094,400	50%	3,800.0	$26,382.93	$28,117.98	$1,735.05	6.58%	$42,650.54	$42,583.09	-$67.44	-0.16%	$69,033.47	$70,701.07	$1,667.61	2.42%
1,094,400	40%	3,800.0	$26,382.93	$28,117.98	$1,735.05	6.58%	$40,610.04	$40,542.60	-$67.44	-0.17%	$66,992.97	$68,660.58	$1,667.61	2.49%
1,641,600	60%	3,800.0	$30,611.42	$32,346.47	$1,735.05	5.67%	$67,036.55	$66,935.38	-$101.17	-0.15%	$97,647.97	$99,281.86	$1,633.89	1.67%
1,641,600	50%	3,800.0	$30,611.42	$32,346.47	$1,735.05	5.67%	$63,975.80	$63,874.64	-$101.17	-0.16%	$94,587.23	$96,221.11	$1,633.89	1.73%
1,641,600	40%	3,800.0	$30,611.42	$32,346.47	$1,735.05	5.67%	$60,915.06	$60,813.90	-$101.17	-0.17%	$91,526.49	$93,160.37	$1,633.89	1.79%
2,188,800	60%	3,800.0	$34,839.92	$36,574.97	$1,735.05	4.98%	$89,382.06	$89,247.17	-$134.89	-0.15%	$124,221.98	$125,822.14	$1,600.16	1.29%
2,188,800	50%	3,800.0	$34,839.92	$36,574.97	$1,735.05	4.98%	$85,301.07	$85,166.19	-$134.89	-0.16%	$120,140.99	$121,741.15	$1,600.16	1.33%
2,188,800	40%	3,800.0	$34,839.92	$36,574.97	$1,735.05	4.98%	$81,220.08	$81,085.20	-$134.89	-0.17%	$116,060.00	$117,660.16	$1,600.16	1.38%
1,152,000	60%	4,000.0	$27,639.55	$29,463.26	$1,823.71	6.60%	$47,043.19	$46,972.20	-$70.99	-0.15%	$74,682.74	$76,435.46	$1,752.72	2.35%
1,152,000	50%	4,000.0	$27,639.55	$29,463.26	$1,823.71	6.60%	$44,895.30	$44,824.31	-$70.99	-0.16%	$72,534.85	$74,287.57	$1,752.72	2.42%
1,152,000	40%	4,000.0	$27,639.55	$29,463.26	$1,823.71	6.60%	$42,747.41	$42,676.42	-$70.99	-0.17%	$70,386.96	$72,139.68	$1,752.72	2.49%
1,728,000	60%	4,000.0	$32,090.59	$33,914.30	$1,823.71	5.68%	$70,564.79	$70,458.30	-$106.49	-0.15%	$102,655.38	$104,372.60	$1,717.22	1.67%
1,728,000	50%	4,000.0	$32,090.59	$33,914.30	$1,823.71	5.68%	$67,342.95	$67,236.46	-$106.49	-0.16%	$99,433.54	$101,150.76	$1,717.22	1.73%
1,728,000	40%	4,000.0	$32,090.59	$33,914.30	$1,823.71	5.68%	$64,121.12	$64,014.63	-$106.49	-0.17%	$96,211.71	$97,928.93	$1,717.22	1.78%
2,304,000	60%	4,000.0	$36,541.64	$38,365.35	$1,823.71	4.99%	$94,086.38	$93,944.39	-$141.99	-0.15%	$130,628.02	$132,309.74	$1,681.72	1.29%
2,304,000	50%	4,000.0	$36,541.64	$38,365.35	$1,823.71	4.99%	$89,790.60	$89,648.62	-$141.99	-0.16%	$126,332.24	$128,013.96	$1,681.72	1.33%
2,304,000	40%	4,000.0	$36,541.64	$38,365.35	$1,823.71	4.99%	$85,494.83	$85,352.84	-$141.99	-0.17%	$122,036.46	$123,718.19	$1,681.72	1.38%
3,888,000	60%	13,500.0	$87,328.83	$93,363.88	$6,035.05	6.91%	$158,770.77	$158,531.17	-$239.60	-0.15%	$246,099.60	$251,895.05	$5,795.45	2.35%
3,888,000	50%	13,500.0	$87,328.83	$93,363.88	$6,035.05	6.91%	$151,521.64	$151,282.04	-$239.60	-0.16%	$238,850.47	$244,645.92	$5,795.45	2.43%
3,888,000	40%	13,500.0	$87,328.83	$93,363.88	$6,035.05	6.91%	$144,272.52	$144,032.91	-$239.60	-0.17%	$231,601.35	$237,396.80	$5,795.45	2.50%
5,832,000	60%	13,500.0	$102,351.11	$108,386.16	$6,035.05	5.90%	$238,156.15	$237,796.75	-$359.41	-0.15%	$340,507.26	$346,182.91	$5,675.65	1.67%
5,832,000	50%	13,500.0	$102,351.11	$108,386.16	$6,035.05	5.90%	$227,282.47	$226,923.06	-$359.41	-0.16%	$329,633.57	$335,309.22	$5,675.65	1.72%
5,832,000	40%	13,500.0	$102,351.11	$108,386.16	$6,035.05	5.90%	$216,408.78	$216,049.37	-$359.41	-0.17%	$318,759.88	$324,435.53	$5,675.65	1.78%
7,776,000	60%	13,500.0	$117,373.38	$123,408.43	$6,035.05	5.14%	$317,541.54	$317,062.33	-$479.21	-0.15%	$434,914.92	$440,470.76	$5,555.84	1.28%
7,776,000	50%	13,500.0	$117,373.38	$123,408.43	$6,035.05	5.14%	$303,043.29	$302,564.08	-$479.21	-0.16%	$420,416.67	$425,972.51	$5,555.84	1.32%
7,776,000	40%	13,500.0	$117,373.38	$123,408.43	$6,035.05	5.14%	$288,545.04	$288,065.83	-$479.21	-0.17%	$405,918.42	$411,474.26	$5,555.84	1.37%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$2,432.00	$2,481.00
Delivery Charge	$/kW	$3.76	$4.19
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.04158	$0.04158
Energy Charge Off-peak (includes capacity)	$/kWh	$0.02312	$0.02312
Merchant Function Charge	$/kWh	$0.00048	$0.00042
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (TRANSMISSION)
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$20,006.68	$21,799.46	$1,792.78	8.96%	$28,434.73	$28,388.51	-$46.21	-0.16%	$48,441.40	$50,187.97	$1,746.57	3.61%
720,000	50%	2,500.0	$20,006.68	$21,799.46	$1,792.78	8.96%	$27,182.86	$27,136.65	-$46.21	-0.17%	$47,189.54	$48,936.11	$1,746.57	3.70%
720,000	40%	2,500.0	$20,006.68	$21,799.46	$1,792.78	8.96%	$25,930.99	$25,884.78	-$46.21	-0.18%	$45,937.67	$47,684.24	$1,746.57	3.80%
1,080,000	60%	2,500.0	$22,788.58	$24,581.36	$1,792.78	7.87%	$42,652.09	$42,582.77	-$69.32	-0.16%	$65,440.67	$67,164.13	$1,723.46	2.63%
1,080,000	50%	2,500.0	$22,788.58	$24,581.36	$1,792.78	7.87%	$40,774.29	$40,704.97	-$69.32	-0.17%	$63,562.87	$65,286.33	$1,723.46	2.71%
1,080,000	40%	2,500.0	$22,788.58	$24,581.36	$1,792.78	7.87%	$38,896.49	$38,827.17	-$69.32	-0.18%	$61,685.07	$63,408.53	$1,723.46	2.79%
1,440,000	60%	2,500.0	$25,570.48	$27,363.26	$1,792.78	7.01%	$56,869.45	$56,777.03	-$92.43	-0.16%	$82,439.93	$84,140.29	$1,700.36	2.06%
1,440,000	50%	2,500.0	$25,570.48	$27,363.26	$1,792.78	7.01%	$54,365.72	$54,273.29	-$92.43	-0.17%	$79,936.20	$81,636.56	$1,700.36	2.13%
1,440,000	40%	2,500.0	$25,570.48	$27,363.26	$1,792.78	7.01%	$51,861.99	$51,769.56	-$92.43	-0.18%	$77,432.47	$79,132.83	$1,700.36	2.20%
1,152,000	60%	4,000.0	$28,905.53	$31,703.46	$2,797.94	9.68%	$45,495.56	$45,421.62	-$73.94	-0.16%	$74,401.09	$77,125.08	$2,724.00	3.66%
1,152,000	50%	4,000.0	$28,905.53	$31,703.46	$2,797.94	9.68%	$43,492.58	$43,418.64	-$73.94	-0.17%	$72,398.10	$75,122.10	$2,724.00	3.76%
1,152,000	40%	4,000.0	$28,905.53	$31,703.46	$2,797.94	9.68%	$41,489.59	$41,415.65	-$73.94	-0.18%	$70,395.12	$73,119.12	$2,724.00	3.87%
1,728,000	60%	4,000.0	$33,356.57	$36,154.51	$2,797.94	8.39%	$68,243.34	$68,132.43	-$110.91	-0.16%	$101,599.91	$104,286.94	$2,687.03	2.64%
1,728,000	50%	4,000.0	$33,356.57	$36,154.51	$2,797.94	8.39%	$65,238.86	$65,127.95	-$110.91	-0.17%	$98,595.43	$101,282.46	$2,687.03	2.73%
1,728,000	40%	4,000.0	$33,356.57	$36,154.51	$2,797.94	8.39%	$62,234.39	$62,123.48	-$110.91	-0.18%	$95,590.96	$98,277.99	$2,687.03	2.81%
2,304,000	60%	4,000.0	$37,807.62	$40,605.55	$2,797.94	7.40%	$90,991.12	$90,843.24	-$147.88	-0.16%	$128,798.74	$131,448.79	$2,650.06	2.06%
2,304,000	50%	4,000.0	$37,807.62	$40,605.55	$2,797.94	7.40%	$86,985.15	$86,837.27	-$147.88	-0.17%	$124,792.77	$127,442.82	$2,650.06	2.12%
2,304,000	40%	4,000.0	$37,807.62	$40,605.55	$2,797.94	7.40%	$82,979.18	$82,831.30	-$147.88	-0.18%	$120,786.80	$123,436.86	$2,650.06	2.19%
2,620,800	60%	9,100.0	$59,161.62	$65,377.08	$6,215.46	10.51%	$103,502.40	$103,334.19	-$168.21	-0.16%	$162,664.02	$168,711.27	$6,047.25	3.72%
2,620,800	50%	9,100.0	$59,161.62	$65,377.08	$6,215.46	10.51%	$98,945.61	$98,777.40	-$168.21	-0.17%	$158,107.23	$164,154.48	$6,047.25	3.82%
2,620,800	40%	9,100.0	$59,161.62	$65,377.08	$6,215.46	10.51%	$94,388.82	$94,220.61	-$168.21	-0.18%	$153,550.44	$159,597.69	$6,047.25	3.94%
3,931,200	60%	9,100.0	$69,287.74	$75,503.21	$6,215.46	8.97%	$155,253.60	$155,001.28	-$252.32	-0.16%	$224,541.35	$230,504.49	$5,963.14	2.66%
3,931,200	50%	9,100.0	$69,287.74	$75,503.21	$6,215.46	8.97%	$148,418.42	$148,166.09	-$252.32	-0.17%	$217,706.16	$223,669.30	$5,963.14	2.74%
3,931,200	40%	9,100.0	$69,287.74	$75,503.21	$6,215.46	8.97%	$141,583.23	$141,330.91	-$252.32	-0.18%	$210,870.98	$216,834.12	$5,963.14	2.83%
5,241,600	60%	9,100.0	$79,413.87	$85,629.34	$6,215.46	7.83%	$207,004.80	$206,668.37	-$336.43	-0.16%	$286,418.67	$292,297.71	$5,879.03	2.05%
5,241,600	50%	9,100.0	$79,413.87	$85,629.34	$6,215.46	7.83%	$197,891.22	$197,554.79	-$336.43	-0.17%	$277,305.09	$283,184.13	$5,879.03	2.12%
5,241,600	40%	9,100.0	$79,413.87	$85,629.34	$6,215.46	7.83%	$188,777.64	$188,441.21	-$336.43	-0.18%	$268,191.51	$274,070.55	$5,879.03	2.19%
3,888,000	60%	13,500.0	$85,264.91	$94,428.83	$9,163.92	10.75%	$153,547.52	$153,297.97	-$249.55	-0.16%	$238,812.43	$247,726.80	$8,914.37	3.73%
3,888,000	50%	13,500.0	$85,264.91	$94,428.83	$9,163.92	10.75%	$146,787.44	$146,537.89	-$249.55	-0.17%	$232,052.36	$240,966.73	$8,914.37	3.84%
3,888,000	40%	13,500.0	$85,264.91	$94,428.83	$9,163.92	10.75%	$140,027.37	$139,777.82	-$249.55	-0.18%	$225,292.28	$234,206.65	$8,914.37	3.96%
5,832,000	60%	13,500.0	$100,287.19	$109,451.11	$9,163.92	9.14%	$230,321.28	$229,946.95	-$374.32	-0.16%	$330,608.47	$339,398.06	$8,789.59	2.66%
5,832,000	50%	13,500.0	$100,287.19	$109,451.11	$9,163.92	9.14%	$220,181.17	$219,806.84	-$374.32	-0.17%	$320,468.36	$329,257.95	$8,789.59	2.74%
5,832,000	40%	13,500.0	$100,287.19	$109,451.11	$9,163.92	9.14%	$210,041.06	$209,666.73	-$374.32	-0.18%	$310,328.25	$319,117.84	$8,789.59	2.83%
7,776,000	60%	13,500.0	$115,309.47	$124,473.38	$9,163.92	7.95%	$307,095.03	$306,595.94	-$499.10	-0.16%	$422,404.50	$431,069.32	$8,664.82	2.05%
7,776,000	50%	13,500.0	$115,309.47	$124,473.38	$9,163.92	7.95%	$293,574.89	$293,075.79	-$499.10	-0.17%	$408,884.35	$417,549.17	$8,664.82	2.12%
7,776,000	40%	13,500.0	$115,309.47	$124,473.38	$9,163.92	7.95%	$280,054.74	$279,555.64	-$499.10	-0.18%	$395,364.21	$404,029.03	$8,664.82	2.19%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$5,020.00	$5,134.00
Delivery Charge	$/kW	$3.39	$4.04
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.17	$0.17
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.03976	$0.03976
Energy Charge Off-peak (includes capacity)	$/kWh	$0.02255	$0.02255
Merchant Function Charge	$/kWh	$0.00047	$0.00041
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC2-SMALL GENERAL SERVICE (METERED DEMAND)
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
1,008	7.0	$149.16	$151.01	$1.86	1.24%	$42.23	$42.17	-$0.06	-0.13%	$191.38	$193.18	$1.80	0.94%
1,512	7.0	$153.05	$154.91	$1.86	1.21%	$63.34	$63.26	-$0.08	-0.13%	$216.39	$218.16	$1.77	0.82%
2,016	7.0	$156.95	$158.80	$1.86	1.18%	$84.45	$84.34	-$0.11	-0.13%	$241.40	$243.14	$1.75	0.72%
2,520	7.0	$160.84	$162.70	$1.86	1.15%	$105.56	$105.43	-$0.14	-0.13%	$266.40	$268.12	$1.72	0.64%
2,160	15.0	$257.74	$265.21	$7.46	2.90%	$90.48	$90.36	-$0.12	-0.13%	$348.23	$355.57	$7.35	2.11%
3,240	15.0	$266.09	$273.55	$7.46	2.81%	$135.72	$135.55	-$0.18	-0.13%	$401.81	$409.10	$7.29	1.81%
4,320	15.0	$274.43	$281.90	$7.46	2.72%	$180.97	$180.73	-$0.24	-0.13%	$455.40	$462.63	$7.23	1.59%
5,400	15.0	$282.78	$290.24	$7.46	2.64%	$226.21	$225.91	-$0.30	-0.13%	$508.99	$516.16	$7.17	1.41%
3,168	22.0	$352.76	$365.13	$12.37	3.51%	$132.71	$132.53	-$0.17	-0.13%	$485.46	$497.66	$12.20	2.51%
4,752	22.0	$365.00	$377.37	$12.37	3.39%	$199.06	$198.80	-$0.26	-0.13%	$564.06	$576.17	$12.11	2.15%
6,336	22.0	$377.24	$389.61	$12.37	3.28%	$265.42	$265.07	-$0.35	-0.13%	$642.65	$654.68	$12.02	1.87%
7,920	22.0	$389.48	$401.85	$12.37	3.18%	$331.77	$331.34	-$0.43	-0.13%	$721.25	$733.18	$11.94	1.66%
5,760	40.0	$597.07	$622.06	$24.99	4.19%	$241.29	$240.97	-$0.32	-0.13%	$838.36	$863.04	$24.67	2.94%
8,640	40.0	$619.33	$644.32	$24.99	4.03%	$361.93	$361.46	-$0.47	-0.13%	$981.26	$1,005.78	$24.52	2.50%
11,520	40.0	$641.58	$666.57	$24.99	3.89%	$482.58	$481.94	-$0.63	-0.13%	$1,124.16	$1,148.52	$24.36	2.17%
14,400	40.0	$663.84	$688.83	$24.99	3.76%	$603.22	$602.43	-$0.79	-0.13%	$1,267.06	$1,291.26	$24.20	1.91%
8,640	60.0	$868.54	$907.55	$39.01	4.49%	$361.93	$361.46	-$0.47	-0.13%	$1,230.47	$1,269.01	$38.54	3.13%
12,960	60.0	$901.92	$940.93	$39.01	4.33%	$542.90	$542.19	-$0.71	-0.13%	$1,444.82	$1,483.12	$38.30	2.65%
17,280	60.0	$935.30	$974.31	$39.01	4.17%	$723.86	$722.92	-$0.95	-0.13%	$1,659.17	$1,697.23	$38.06	2.29%
21,600	60.0	$968.69	$1,007.70	$39.01	4.03%	$904.83	$903.65	-$1.18	-0.13%	$1,873.52	$1,911.34	$37.83	2.02%
11,520	80.0	$1,140.00	$1,193.03	$53.03	4.65%	$482.58	$481.94	-$0.63	-0.13%	$1,622.58	$1,674.98	$52.40	3.23%
17,280	80.0	$1,184.51	$1,237.55	$53.03	4.48%	$723.86	$722.92	-$0.95	-0.13%	$1,908.38	$1,960.46	$52.08	2.73%
23,040	80.0	$1,229.02	$1,282.06	$53.03	4.31%	$965.15	$963.89	-$1.26	-0.13%	$2,194.18	$2,245.94	$51.77	2.36%
28,800	80.0	$1,273.54	$1,326.57	$53.03	4.16%	$1,206.44	$1,204.86	-$1.58	-0.13%	$2,479.97	$2,531.43	$51.45	2.07%
14,400	100.0	$1,411.47	$1,478.52	$67.05	4.75%	$603.22	$602.43	-$0.79	-0.13%	$2,014.69	$2,080.95	$66.26	3.29%
21,600	100.0	$1,467.11	$1,534.16	$67.05	4.57%	$904.83	$903.65	-$1.18	-0.13%	$2,371.94	$2,437.80	$65.87	2.78%
28,800	100.0	$1,522.74	$1,589.80	$67.05	4.40%	$1,206.44	$1,204.86	-$1.58	-0.13%	$2,729.18	$2,794.66	$65.47	2.40%
36,000	100.0	$1,578.38	$1,645.43	$67.05	4.25%	$1,508.05	$1,506.08	-$1.97	-0.13%	$3,086.43	$3,151.51	$65.08	2.11%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$52.52	$49.56
Delivery Charge	$/kW	$12.44	$13.54
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.53000	-$0.95000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03522	$0.03522
Merchant Function Charge	$/kWh	$0.00050	$0.00045
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3-LARGE GENERAL SERVICE (SECONDARY)
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,796.18	$1,843.39	$47.22	2.63%	$1,189.32	$1,187.70	-$1.62	-0.14%	$2,985.49	$3,031.09	$45.60	1.53%
36,000	100.0	$1,851.82	$1,899.03	$47.22	2.55%	$1,486.64	$1,484.62	-$2.02	-0.14%	$3,338.46	$3,383.66	$45.20	1.35%
43,200	100.0	$1,907.45	$1,954.67	$47.22	2.48%	$1,783.97	$1,781.55	-$2.42	-0.14%	$3,691.43	$3,736.22	$44.79	1.21%
57,600	100.0	$2,018.73	$2,065.95	$47.22	2.34%	$2,378.63	$2,375.40	-$3.23	-0.14%	$4,397.36	$4,441.35	$43.98	1.00%
66,240	230.0	$3,521.41	$3,618.22	$96.80	2.75%	$2,735.43	$2,731.71	-$3.72	-0.14%	$6,256.84	$6,349.93	$93.09	1.49%
82,800	230.0	$3,649.38	$3,746.19	$96.80	2.65%	$3,419.28	$3,414.64	-$4.65	-0.14%	$7,068.67	$7,160.82	$92.16	1.30%
99,360	230.0	$3,777.35	$3,874.15	$96.80	2.56%	$4,103.14	$4,097.56	-$5.57	-0.14%	$7,880.49	$7,971.72	$91.23	1.16%
132,480	230.0	$4,033.28	$4,130.09	$96.80	2.40%	$5,470.85	$5,463.42	-$7.43	-0.14%	$9,504.14	$9,593.51	$89.37	0.94%
100,800	350.0	$5,113.94	$5,256.52	$142.58	2.79%	$4,162.61	$4,156.95	-$5.66	-0.14%	$9,276.55	$9,413.47	$136.92	1.48%
126,000	350.0	$5,308.67	$5,451.25	$142.58	2.69%	$5,203.26	$5,196.19	-$7.07	-0.14%	$10,511.93	$10,647.44	$135.51	1.29%
151,200	350.0	$5,503.41	$5,645.99	$142.58	2.59%	$6,243.91	$6,235.42	-$8.48	-0.14%	$11,747.32	$11,881.41	$134.09	1.14%
201,600	350.0	$5,892.87	$6,035.45	$142.58	2.42%	$8,325.21	$8,313.90	-$11.31	-0.14%	$14,218.08	$14,349.35	$131.27	0.92%
144,000	500.0	$7,104.60	$7,304.39	$199.79	2.81%	$5,946.58	$5,938.50	-$8.08	-0.14%	$13,051.18	$13,242.89	$191.71	1.47%
180,000	500.0	$7,382.79	$7,582.58	$199.79	2.71%	$7,433.22	$7,423.12	-$10.10	-0.14%	$14,816.01	$15,005.71	$189.70	1.28%
216,000	500.0	$7,660.98	$7,860.77	$199.79	2.61%	$8,919.87	$8,907.75	-$12.12	-0.14%	$16,580.85	$16,768.52	$187.68	1.13%
288,000	500.0	$8,217.36	$8,417.15	$199.79	2.43%	$11,893.16	$11,877.00	-$16.16	-0.14%	$20,110.52	$20,294.15	$183.64	0.91%
216,000	750.0	$10,422.36	$10,717.52	$295.15	2.83%	$8,919.87	$8,907.75	-$12.12	-0.14%	$19,342.23	$19,625.27	$283.04	1.46%
270,000	750.0	$10,839.65	$11,134.80	$295.15	2.72%	$11,149.84	$11,134.69	-$15.15	-0.14%	$21,989.48	$22,269.49	$280.01	1.27%
324,000	750.0	$11,256.93	$11,552.09	$295.15	2.62%	$13,379.80	$13,361.62	-$18.18	-0.14%	$24,636.74	$24,913.71	$276.98	1.12%
432,000	750.0	$12,091.51	$12,386.66	$295.15	2.44%	$17,839.74	$17,815.50	-$24.24	-0.14%	$29,931.24	$30,202.16	$270.92	0.91%
432,000	1,500.0	$20,375.65	$20,956.89	$581.24	2.85%	$17,839.74	$17,815.50	-$24.24	-0.14%	$38,215.39	$38,772.39	$557.00	1.46%
540,000	1,500.0	$21,210.23	$21,791.46	$581.24	2.74%	$22,299.67	$22,269.37	-$30.30	-0.14%	$43,509.90	$44,060.84	$550.94	1.27%
648,000	1,500.0	$22,044.80	$22,626.03	$581.24	2.64%	$26,759.61	$26,723.25	-$36.36	-0.14%	$48,804.40	$49,349.28	$544.88	1.12%
864,000	1,500.0	$23,713.94	$24,295.18	$581.24	2.45%	$35,679.47	$35,631.00	-$48.47	-0.14%	$59,393.41	$59,926.17	$532.76	0.90%
576,000	2,000.0	$27,011.18	$27,783.14	$771.96	2.86%	$23,786.32	$23,754.00	-$32.32	-0.14%	$50,797.50	$51,537.14	$739.64	1.46%
720,000	2,000.0	$28,123.94	$28,895.90	$771.96	2.74%	$29,732.89	$29,692.50	-$40.40	-0.14%	$57,856.84	$58,588.40	$731.56	1.26%
864,000	2,000.0	$29,236.70	$30,008.66	$771.96	2.64%	$35,679.47	$35,631.00	-$48.47	-0.14%	$64,916.18	$65,639.66	$723.48	1.11%
1,152,000	2,000.0	$31,462.23	$32,234.19	$771.96	2.45%	$47,572.63	$47,508.00	-$64.63	-0.14%	$79,034.86	$79,742.18	$707.33	0.89%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$455.00	$463.80
Delivery Charge	$/kW	$11.21	$12.06
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.17	$0.17
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.70000	-$1.18000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03463	$0.03463
Merchant Function Charge	$/kWh	$0.00050	$0.00044
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3-LARGE GENERAL SERVICE (PRIMARY)
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,634.01	$1,678.65	$44.64	2.73%	$1,169.38	$1,167.72	-$1.66	-0.14%	$2,803.39	$2,846.37	$42.98	1.53%
36,000	100.0	$1,689.65	$1,734.29	$44.64	2.64%	$1,461.72	$1,459.65	-$2.07	-0.14%	$3,151.37	$3,193.94	$42.57	1.35%
43,200	100.0	$1,745.29	$1,789.93	$44.64	2.56%	$1,754.07	$1,751.58	-$2.49	-0.14%	$3,499.36	$3,541.51	$42.15	1.20%
57,600	100.0	$1,856.56	$1,901.20	$44.64	2.40%	$2,338.76	$2,335.44	-$3.32	-0.14%	$4,195.32	$4,236.64	$41.32	0.98%
57,600	200.0	$2,817.82	$2,900.60	$82.78	2.94%	$2,338.76	$2,335.44	-$3.32	-0.14%	$5,156.57	$5,236.04	$79.47	1.54%
72,000	200.0	$2,929.10	$3,011.88	$82.78	2.83%	$2,923.44	$2,919.30	-$4.15	-0.14%	$5,852.54	$5,931.18	$78.64	1.34%
86,400	200.0	$3,040.37	$3,123.15	$82.78	2.72%	$3,508.13	$3,503.16	-$4.98	-0.14%	$6,548.50	$6,626.31	$77.81	1.19%
115,200	200.0	$3,262.92	$3,345.71	$82.78	2.54%	$4,677.51	$4,670.88	-$6.63	-0.14%	$7,940.43	$8,016.59	$76.15	0.96%
72,000	250.0	$3,409.72	$3,511.58	$101.86	2.99%	$2,923.44	$2,919.30	-$4.15	-0.14%	$6,333.17	$6,430.88	$97.71	1.54%
90,000	250.0	$3,548.82	$3,650.67	$101.86	2.87%	$3,654.31	$3,649.12	-$5.18	-0.14%	$7,203.12	$7,299.80	$96.67	1.34%
108,000	250.0	$3,687.91	$3,789.77	$101.86	2.76%	$4,385.17	$4,378.95	-$6.22	-0.14%	$8,073.08	$8,168.72	$95.64	1.18%
144,000	250.0	$3,966.10	$4,067.96	$101.86	2.57%	$5,846.89	$5,838.60	-$8.29	-0.14%	$9,812.99	$9,906.56	$93.56	0.95%
135,360	470.0	$6,014.10	$6,199.87	$185.77	3.09%	$5,496.08	$5,488.28	-$7.79	-0.14%	$11,510.17	$11,688.15	$177.98	1.55%
169,200	470.0	$6,275.60	$6,461.37	$185.77	2.96%	$6,870.09	$6,860.35	-$9.74	-0.14%	$13,145.69	$13,321.72	$176.03	1.34%
203,040	470.0	$6,537.09	$6,722.87	$185.77	2.84%	$8,244.11	$8,232.42	-$11.69	-0.14%	$14,781.21	$14,955.29	$174.08	1.18%
270,720	470.0	$7,060.09	$7,245.87	$185.77	2.63%	$10,992.15	$10,976.56	-$15.59	-0.14%	$18,052.24	$18,222.43	$170.18	0.94%
216,000	750.0	$9,328.76	$9,621.33	$292.58	3.14%	$8,770.33	$8,757.90	-$12.44	-0.14%	$18,099.09	$18,379.23	$280.14	1.55%
270,000	750.0	$9,746.04	$10,038.62	$292.58	3.00%	$10,962.92	$10,947.37	-$15.55	-0.14%	$20,708.96	$20,985.99	$277.03	1.34%
324,000	750.0	$10,163.33	$10,455.90	$292.58	2.88%	$13,155.50	$13,136.84	-$18.66	-0.14%	$23,318.83	$23,592.75	$273.92	1.17%
432,000	750.0	$10,997.90	$11,290.47	$292.58	2.66%	$17,540.67	$17,515.79	-$24.88	-0.14%	$28,538.56	$28,806.27	$267.70	0.94%
432,000	1,500.0	$18,207.30	$18,785.96	$578.66	3.18%	$17,540.67	$17,515.79	-$24.88	-0.14%	$35,747.97	$36,301.76	$553.78	1.55%
540,000	1,500.0	$19,041.88	$19,620.53	$578.66	3.04%	$21,925.83	$21,894.74	-$31.09	-0.14%	$40,967.71	$41,515.27	$547.57	1.34%
648,000	1,500.0	$19,876.45	$20,455.11	$578.66	2.91%	$26,311.00	$26,273.69	-$37.31	-0.14%	$46,187.45	$46,728.79	$541.35	1.17%
864,000	1,500.0	$21,545.59	$22,124.25	$578.66	2.69%	$35,081.33	$35,031.58	-$49.75	-0.14%	$56,626.92	$57,155.83	$528.91	0.93%
576,000	2,000.0	$24,126.34	$24,895.72	$769.38	3.19%	$23,387.56	$23,354.39	-$33.17	-0.14%	$47,513.89	$48,250.11	$736.21	1.55%
720,000	2,000.0	$25,239.10	$26,008.48	$769.38	3.05%	$29,234.45	$29,192.99	-$41.46	-0.14%	$54,473.54	$55,201.47	$727.92	1.34%
864,000	2,000.0	$26,351.86	$27,121.24	$769.38	2.92%	$35,081.33	$35,031.58	-$49.75	-0.14%	$61,433.19	$62,152.82	$719.63	1.17%
1,152,000	2,000.0	$28,577.38	$29,346.76	$769.38	2.69%	$46,775.11	$46,708.78	-$66.33	-0.14%	$75,352.49	$76,055.54	$703.05	0.93%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$436.70	$443.00
Delivery Charge	$/kW	$9.89	$10.69
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.18	$0.18
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.78000	-$1.21000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03395	$0.03395
Merchant Function Charge	$/kWh	$0.00049	$0.00043
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION)
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,290.16	$1,329.24	$39.07	3.03%	$1,149.40	$1,147.70	-$1.70	-0.15%	$2,439.56	$2,476.93	$37.37	1.53%
36,000	100.0	$1,345.80	$1,384.87	$39.07	2.90%	$1,436.75	$1,434.62	-$2.13	-0.15%	$2,782.55	$2,819.49	$36.95	1.33%
43,200	100.0	$1,401.44	$1,440.51	$39.07	2.79%	$1,724.09	$1,721.54	-$2.55	-0.15%	$3,125.53	$3,162.06	$36.52	1.17%
57,600	100.0	$1,512.72	$1,551.79	$39.07	2.58%	$2,298.79	$2,295.39	-$3.40	-0.15%	$3,811.51	$3,847.18	$35.67	0.94%
57,600	200.0	$1,770.02	$1,829.71	$59.69	3.37%	$2,298.79	$2,295.39	-$3.40	-0.15%	$4,068.81	$4,125.10	$56.29	1.38%
72,000	200.0	$1,881.29	$1,940.99	$59.69	3.17%	$2,873.49	$2,869.24	-$4.25	-0.15%	$4,754.79	$4,810.22	$55.44	1.17%
86,400	200.0	$1,992.57	$2,052.26	$59.69	3.00%	$3,448.19	$3,443.09	-$5.10	-0.15%	$5,440.76	$5,495.35	$54.59	1.00%
115,200	200.0	$2,215.12	$2,274.81	$59.69	2.69%	$4,597.59	$4,590.78	-$6.80	-0.15%	$6,812.71	$6,865.59	$52.89	0.78%
72,000	250.0	$2,009.95	$2,079.95	$70.00	3.48%	$2,873.49	$2,869.24	-$4.25	-0.15%	$4,883.44	$4,949.18	$65.75	1.35%
90,000	250.0	$2,149.04	$2,219.04	$70.00	3.26%	$3,591.86	$3,586.55	-$5.32	-0.15%	$5,740.90	$5,805.59	$64.68	1.13%
108,000	250.0	$2,288.14	$2,358.14	$70.00	3.06%	$4,310.24	$4,303.86	-$6.38	-0.15%	$6,598.37	$6,661.99	$63.62	0.96%
144,000	250.0	$2,566.33	$2,636.33	$70.00	2.73%	$5,746.98	$5,738.48	-$8.51	-0.15%	$8,313.31	$8,374.80	$61.49	0.74%
144,000	500.0	$3,209.58	$3,331.13	$121.55	3.79%	$5,746.98	$5,738.48	-$8.51	-0.15%	$8,956.56	$9,069.61	$113.04	1.26%
180,000	500.0	$3,487.77	$3,609.32	$121.55	3.48%	$7,183.73	$7,173.10	-$10.63	-0.15%	$10,671.50	$10,782.41	$110.92	1.04%
216,000	500.0	$3,765.96	$3,887.51	$121.55	3.23%	$8,620.47	$8,607.71	-$12.76	-0.15%	$12,386.44	$12,495.22	$108.79	0.88%
288,000	500.0	$4,322.34	$4,443.89	$121.55	2.81%	$11,493.96	$11,476.95	-$17.01	-0.15%	$15,816.31	$15,920.84	$104.54	0.66%
218,880	760.0	$4,457.20	$4,632.36	$175.15	3.93%	$8,735.41	$8,722.48	-$12.93	-0.15%	$13,192.62	$13,354.84	$162.23	1.23%
273,600	760.0	$4,880.05	$5,055.21	$175.15	3.59%	$10,919.26	$10,903.11	-$16.16	-0.15%	$15,799.32	$15,958.31	$159.00	1.01%
328,320	760.0	$5,302.90	$5,478.06	$175.15	3.30%	$13,103.12	$13,083.73	-$19.39	-0.15%	$18,406.02	$18,561.78	$155.76	0.85%
437,760	760.0	$6,148.60	$6,323.76	$175.15	2.85%	$17,470.82	$17,444.97	-$25.86	-0.15%	$23,619.43	$23,768.72	$149.30	0.63%
432,000	1,500.0	$8,008.13	$8,335.86	$327.73	4.09%	$17,240.94	$17,215.43	-$25.52	-0.15%	$25,249.07	$25,551.29	$302.22	1.20%
540,000	1,500.0	$8,842.70	$9,170.43	$327.73	3.71%	$21,551.18	$21,519.29	-$31.89	-0.15%	$30,393.88	$30,689.72	$295.84	0.97%
648,000	1,500.0	$9,677.27	$10,005.00	$327.73	3.39%	$25,861.42	$25,823.14	-$38.27	-0.15%	$35,538.69	$35,828.15	$289.46	0.81%
864,000	1,500.0	$11,346.41	$11,674.14	$327.73	2.89%	$34,481.89	$34,430.86	-$51.03	-0.15%	$45,828.30	$46,105.00	$276.70	0.60%
576,000	2,000.0	$10,407.40	$10,838.23	$430.82	4.14%	$22,987.93	$22,953.91	-$34.02	-0.15%	$33,395.33	$33,792.13	$396.80	1.19%
720,000	2,000.0	$11,520.16	$11,950.99	$430.82	3.74%	$28,734.91	$28,692.38	-$42.53	-0.15%	$40,255.07	$40,643.37	$388.30	0.96%
864,000	2,000.0	$12,632.92	$13,063.75	$430.82	3.41%	$34,481.89	$34,430.86	-$51.03	-0.15%	$47,114.81	$47,494.61	$379.79	0.81%
1,152,000	2,000.0	$14,858.45	$15,289.27	$430.82	2.90%	$45,975.85	$45,907.81	-$68.04	-0.15%	$60,834.30	$61,197.08	$362.78	0.60%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$786.00	$803.90
Delivery Charge	$/kW	$2.99	$3.40
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.67000	-$0.88000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03327	$0.03327
Merchant Function Charge	$/kWh	$0.00049	$0.00043
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3-LARGE GENERAL SERVICE (TRANSMISSION)
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,290.16	$1,329.24	$39.07	3.03%	$1,098.49	$1,096.68	-$1.81	-0.16%	$2,388.65	$2,425.92	$37.26	1.56%
36,000	100.0	$1,345.80	$1,384.87	$39.07	2.90%	$1,373.11	$1,370.85	-$2.26	-0.16%	$2,718.92	$2,755.73	$36.81	1.35%
43,200	100.0	$1,401.44	$1,440.51	$39.07	2.79%	$1,647.74	$1,645.02	-$2.71	-0.16%	$3,049.18	$3,085.53	$36.36	1.19%
57,600	100.0	$1,512.72	$1,551.79	$39.07	2.58%	$2,196.98	$2,193.36	-$3.62	-0.16%	$3,709.70	$3,745.15	$35.45	0.96%
57,600	200.0	$1,770.02	$1,829.71	$59.69	3.37%	$2,196.98	$2,193.36	-$3.62	-0.16%	$3,967.00	$4,023.07	$56.07	1.41%
72,000	200.0	$1,881.29	$1,940.99	$59.69	3.17%	$2,746.23	$2,741.70	-$4.52	-0.16%	$4,627.52	$4,682.69	$55.17	1.19%
86,400	200.0	$1,992.57	$2,052.26	$59.69	3.00%	$3,295.47	$3,290.04	-$5.43	-0.16%	$5,288.04	$5,342.30	$54.26	1.03%
115,200	200.0	$2,215.12	$2,274.81	$59.69	2.69%	$4,393.96	$4,386.72	-$7.24	-0.16%	$6,609.09	$6,661.54	$52.45	0.79%
72,000	250.0	$2,009.95	$2,079.95	$70.00	3.48%	$2,746.23	$2,741.70	-$4.52	-0.16%	$4,756.17	$4,821.65	$65.48	1.38%
90,000	250.0	$2,149.04	$2,219.04	$70.00	3.26%	$3,432.78	$3,427.13	-$5.66	-0.16%	$5,581.82	$5,646.17	$64.34	1.15%
108,000	250.0	$2,288.14	$2,358.14	$70.00	3.06%	$4,119.34	$4,112.55	-$6.79	-0.16%	$6,407.48	$6,470.69	$63.21	0.99%
144,000	250.0	$2,566.33	$2,636.33	$70.00	2.73%	$5,492.45	$5,483.41	-$9.05	-0.16%	$8,058.78	$8,119.73	$60.95	0.76%
144,000	500.0	$3,209.58	$3,331.13	$121.55	3.79%	$5,492.45	$5,483.41	-$9.05	-0.16%	$8,702.04	$8,814.53	$112.50	1.29%
180,000	500.0	$3,487.77	$3,609.32	$121.55	3.48%	$6,865.57	$6,854.26	-$11.31	-0.16%	$10,353.34	$10,463.58	$110.24	1.06%
216,000	500.0	$3,765.96	$3,887.51	$121.55	3.23%	$8,238.68	$8,225.11	-$13.57	-0.16%	$12,004.64	$12,112.62	$107.97	0.90%
288,000	500.0	$4,322.34	$4,443.89	$121.55	2.81%	$10,984.91	$10,966.81	-$18.10	-0.16%	$15,307.25	$15,410.70	$103.45	0.68%
273,600	950.0	$5,368.93	$5,583.26	$214.33	3.99%	$10,435.66	$10,418.47	-$17.19	-0.16%	$15,804.59	$16,001.73	$197.14	1.25%
342,000	950.0	$5,897.49	$6,111.82	$214.33	3.63%	$13,044.58	$13,023.09	-$21.49	-0.16%	$18,942.07	$19,134.91	$192.84	1.02%
410,400	950.0	$6,426.05	$6,640.38	$214.33	3.34%	$15,653.49	$15,627.71	-$25.79	-0.16%	$22,079.54	$22,268.09	$188.54	0.85%
547,200	950.0	$7,483.17	$7,697.50	$214.33	2.86%	$20,871.32	$20,836.94	-$34.38	-0.16%	$28,354.50	$28,534.45	$179.95	0.63%
432,000	1,500.0	$8,008.13	$8,335.86	$327.73	4.09%	$16,477.36	$16,450.22	-$27.14	-0.16%	$24,485.49	$24,786.08	$300.59	1.23%
540,000	1,500.0	$8,842.70	$9,170.43	$327.73	3.71%	$20,596.70	$20,562.77	-$33.93	-0.16%	$29,439.40	$29,733.20	$293.80	1.00%
648,000	1,500.0	$9,677.27	$10,005.00	$327.73	3.39%	$24,716.04	$24,675.32	-$40.72	-0.16%	$34,393.31	$34,680.33	$287.01	0.83%
864,000	1,500.0	$11,346.41	$11,674.14	$327.73	2.89%	$32,954.72	$32,900.43	-$54.29	-0.16%	$44,301.13	$44,574.58	$273.44	0.62%
576,000	2,000.0	$10,407.40	$10,838.23	$430.82	4.14%	$21,969.81	$21,933.62	-$36.19	-0.16%	$32,377.22	$32,771.85	$394.63	1.22%
720,000	2,000.0	$11,520.16	$11,950.99	$430.82	3.74%	$27,462.27	$27,417.03	-$45.24	-0.16%	$38,982.43	$39,368.02	$385.58	0.99%
864,000	2,000.0	$12,632.92	$13,063.75	$430.82	3.41%	$32,954.72	$32,900.43	-$54.29	-0.16%	$45,587.65	$45,964.18	$376.54	0.83%
1,152,000	2,000.0	$14,858.45	$15,289.27	$430.82	2.90%	$43,939.63	$43,867.24	-$72.39	-0.16%	$58,798.08	$59,156.51	$358.44	0.61%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$786.00	$803.90
Delivery Charge	$/kW	$2.99	$3.40
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.67000	-$0.88000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03153	$0.03153
Merchant Function Charge	$/kWh	$0.00047	$0.00041
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3A-LARGE GENERAL SERVICE (SECONDARY)
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
547,200	60%	1,900.0	$26,082.01	$27,531.50	$1,449.48	5.56%	$23,245.12	$23,213.13	-$31.98	-0.14%	$49,327.13	$50,744.63	$1,417.50	2.87%
547,200	50%	1,900.0	$26,082.01	$27,531.50	$1,449.48	5.56%	$22,151.19	$22,119.21	-$31.98	-0.14%	$48,233.21	$49,650.71	$1,417.50	2.94%
547,200	40%	1,900.0	$26,082.01	$27,531.50	$1,449.48	5.56%	$21,057.27	$21,025.29	-$31.98	-0.15%	$47,139.29	$48,556.79	$1,417.50	3.01%
820,800	60%	1,900.0	$28,196.26	$29,645.75	$1,449.48	5.14%	$34,867.67	$34,819.70	-$47.97	-0.14%	$63,063.94	$64,465.45	$1,401.51	2.22%
820,800	50%	1,900.0	$28,196.26	$29,645.75	$1,449.48	5.14%	$33,226.79	$33,178.82	-$47.97	-0.14%	$61,423.05	$62,824.56	$1,401.51	2.28%
820,800	40%	1,900.0	$28,196.26	$29,645.75	$1,449.48	5.14%	$31,585.91	$31,537.93	-$47.97	-0.15%	$59,782.17	$61,183.68	$1,401.51	2.34%
1,094,400	60%	1,900.0	$30,310.51	$31,759.99	$1,449.48	4.78%	$46,490.23	$46,426.27	-$63.97	-0.14%	$76,800.74	$78,186.26	$1,385.52	1.80%
1,094,400	50%	1,900.0	$30,310.51	$31,759.99	$1,449.48	4.78%	$44,302.39	$44,238.42	-$63.97	-0.14%	$74,612.90	$75,998.41	$1,385.52	1.86%
1,094,400	40%	1,900.0	$30,310.51	$31,759.99	$1,449.48	4.78%	$42,114.54	$42,050.58	-$63.97	-0.15%	$72,425.05	$73,810.57	$1,385.52	1.91%
633,600	60%	2,200.0	$29,874.67	$31,546.84	$1,672.16	5.60%	$26,915.40	$26,878.37	-$37.03	-0.14%	$56,790.07	$58,425.20	$1,635.13	2.88%
633,600	50%	2,200.0	$29,874.67	$31,546.84	$1,672.16	5.60%	$25,648.75	$25,611.72	-$37.03	-0.14%	$55,523.42	$57,158.55	$1,635.13	2.94%
633,600	40%	2,200.0	$29,874.67	$31,546.84	$1,672.16	5.60%	$24,382.10	$24,345.07	-$37.03	-0.15%	$54,256.78	$55,891.91	$1,635.13	3.01%
950,400	60%	2,200.0	$32,322.75	$33,994.91	$1,672.16	5.17%	$40,373.10	$40,317.55	-$55.55	-0.14%	$72,695.84	$74,312.46	$1,616.62	2.22%
950,400	50%	2,200.0	$32,322.75	$33,994.91	$1,672.16	5.17%	$38,473.13	$38,417.58	-$55.55	-0.14%	$70,795.87	$72,412.49	$1,616.62	2.28%
950,400	40%	2,200.0	$32,322.75	$33,994.91	$1,672.16	5.17%	$36,573.16	$36,517.61	-$55.55	-0.15%	$68,895.90	$70,512.52	$1,616.62	2.35%
1,267,200	60%	2,200.0	$34,770.82	$36,442.99	$1,672.16	4.81%	$53,830.80	$53,756.73	-$74.07	-0.14%	$88,601.62	$90,199.72	$1,598.10	1.80%
1,267,200	50%	2,200.0	$34,770.82	$36,442.99	$1,672.16	4.81%	$51,297.50	$51,223.44	-$74.07	-0.14%	$86,068.32	$87,666.42	$1,598.10	1.86%
1,267,200	40%	2,200.0	$34,770.82	$36,442.99	$1,672.16	4.81%	$48,764.21	$48,690.14	-$74.07	-0.15%	$83,535.03	$85,133.13	$1,598.10	1.91%
1,008,000	60%	3,500.0	$46,309.52	$48,946.63	$2,637.11	5.69%	$42,819.95	$42,761.04	-$58.92	-0.14%	$89,129.47	$91,707.67	$2,578.20	2.89%
1,008,000	50%	3,500.0	$46,309.52	$48,946.63	$2,637.11	5.69%	$40,804.83	$40,745.92	-$58.92	-0.14%	$87,114.35	$89,692.55	$2,578.20	2.96%
1,008,000	40%	3,500.0	$46,309.52	$48,946.63	$2,637.11	5.69%	$38,789.71	$38,730.80	-$58.92	-0.15%	$85,099.23	$87,677.43	$2,578.20	3.03%
1,512,000	60%	3,500.0	$50,204.18	$52,841.29	$2,637.11	5.25%	$64,229.93	$64,141.55	-$88.37	-0.14%	$114,434.11	$116,982.85	$2,548.74	2.23%
1,512,000	50%	3,500.0	$50,204.18	$52,841.29	$2,637.11	5.25%	$61,207.25	$61,118.87	-$88.37	-0.14%	$111,411.43	$113,960.17	$2,548.74	2.29%
1,512,000	40%	3,500.0	$50,204.18	$52,841.29	$2,637.11	5.25%	$58,184.57	$58,096.19	-$88.37	-0.15%	$108,388.75	$110,937.49	$2,548.74	2.35%
2,016,000	60%	3,500.0	$54,098.85	$56,735.96	$2,637.11	4.87%	$85,639.90	$85,522.07	-$117.83	-0.14%	$139,738.75	$142,258.03	$2,519.28	1.80%
2,016,000	50%	3,500.0	$54,098.85	$56,735.96	$2,637.11	4.87%	$81,609.66	$81,491.83	-$117.83	-0.14%	$135,708.51	$138,227.79	$2,519.28	1.86%
2,016,000	40%	3,500.0	$54,098.85	$56,735.96	$2,637.11	4.87%	$77,579.42	$77,461.59	-$117.83	-0.15%	$131,678.27	$134,197.55	$2,519.28	1.91%
1,152,000	60%	4,000.0	$52,630.61	$55,638.86	$3,008.25	5.72%	$48,937.09	$48,869.75	-$67.33	-0.14%	$101,567.70	$104,508.61	$2,940.92	2.90%
1,152,000	50%	4,000.0	$52,630.61	$55,638.86	$3,008.25	5.72%	$46,634.09	$46,566.76	-$67.33	-0.14%	$99,264.70	$102,205.62	$2,940.92	2.96%
1,152,000	40%	4,000.0	$52,630.61	$55,638.86	$3,008.25	5.72%	$44,331.10	$44,263.77	-$67.33	-0.15%	$96,961.71	$99,902.63	$2,940.92	3.03%
1,728,000	60%	4,000.0	$57,081.66	$60,089.90	$3,008.25	5.27%	$73,405.63	$73,304.63	-$101.00	-0.14%	$130,487.29	$133,394.54	$2,907.25	2.23%
1,728,000	50%	4,000.0	$57,081.66	$60,089.90	$3,008.25	5.27%	$69,951.14	$69,850.14	-$101.00	-0.14%	$127,032.80	$129,940.04	$2,907.25	2.29%
1,728,000	40%	4,000.0	$57,081.66	$60,089.90	$3,008.25	5.27%	$66,496.65	$66,395.65	-$101.00	-0.15%	$123,578.30	$126,485.55	$2,907.25	2.35%
2,304,000	60%	4,000.0	$61,532.70	$64,540.95	$3,008.25	4.89%	$97,874.17	$97,739.51	-$134.66	-0.14%	$159,406.88	$162,280.46	$2,873.58	1.80%
2,304,000	50%	4,000.0	$61,532.70	$64,540.95	$3,008.25	4.89%	$93,268.19	$93,133.52	-$134.66	-0.14%	$154,800.89	$157,674.47	$2,873.58	1.86%
2,304,000	40%	4,000.0	$61,532.70	$64,540.95	$3,008.25	4.89%	$88,662.20	$88,527.53	-$134.66	-0.15%	$150,194.90	$153,068.48	$2,873.58	1.91%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$2,000.00	$2,038.00
Delivery Charge	$/kW	$10.77	$11.72
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.15	$0.15
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.85000	-$1.08000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.04373	$0.04373
Energy Charge Off-peak (includes capacity)	$/kWh	$0.02394	$0.02394
Merchant Function Charge	$/kWh	$0.00049	$0.00043
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3A-LARGE GENERAL SERVICE (PRIMARY)
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
777,600	60%	2,700.0	$36,195.77	$38,239.07	$2,043.30	5.65%	$32,027.82	$31,980.47	-$47.35	-0.15%	$68,223.58	$70,219.53	$1,995.95	2.93%
777,600	50%	2,700.0	$36,195.77	$38,239.07	$2,043.30	5.65%	$30,573.18	$30,525.83	-$47.35	-0.15%	$66,768.94	$68,764.89	$1,995.95	2.99%
777,600	40%	2,700.0	$36,195.77	$38,239.07	$2,043.30	5.65%	$29,118.53	$29,071.19	-$47.35	-0.16%	$65,314.30	$67,310.25	$1,995.95	3.06%
1,166,400	60%	2,700.0	$39,200.22	$41,243.52	$2,043.30	5.21%	$48,041.73	$47,970.70	-$71.02	-0.15%	$87,241.95	$89,214.22	$1,972.28	2.26%
1,166,400	50%	2,700.0	$39,200.22	$41,243.52	$2,043.30	5.21%	$45,859.76	$45,788.74	-$71.02	-0.15%	$85,059.99	$87,032.26	$1,972.28	2.32%
1,166,400	40%	2,700.0	$39,200.22	$41,243.52	$2,043.30	5.21%	$43,677.80	$43,606.78	-$71.02	-0.16%	$82,878.02	$84,850.30	$1,972.28	2.38%
1,555,200	60%	2,700.0	$42,204.68	$44,247.98	$2,043.30	4.84%	$64,055.64	$63,960.94	-$94.70	-0.15%	$106,260.31	$108,208.91	$1,948.60	1.83%
1,555,200	50%	2,700.0	$42,204.68	$44,247.98	$2,043.30	4.84%	$61,146.35	$61,051.66	-$94.70	-0.15%	$103,351.03	$105,299.63	$1,948.60	1.89%
1,555,200	40%	2,700.0	$42,204.68	$44,247.98	$2,043.30	4.84%	$58,237.07	$58,142.37	-$94.70	-0.16%	$100,441.75	$102,390.35	$1,948.60	1.94%
1,008,000	60%	3,500.0	$46,309.52	$48,946.63	$2,637.11	5.69%	$41,517.54	$41,456.16	-$61.38	-0.15%	$87,827.06	$90,402.80	$2,575.74	2.93%
1,008,000	50%	3,500.0	$46,309.52	$48,946.63	$2,637.11	5.69%	$39,631.89	$39,570.52	-$61.38	-0.15%	$85,941.41	$88,517.15	$2,575.74	3.00%
1,008,000	40%	3,500.0	$46,309.52	$48,946.63	$2,637.11	5.69%	$37,746.25	$37,684.87	-$61.38	-0.16%	$84,055.77	$86,631.50	$2,575.74	3.06%
1,512,000	60%	3,500.0	$50,204.18	$52,841.29	$2,637.11	5.25%	$62,276.31	$62,184.25	-$92.07	-0.15%	$112,480.49	$115,025.54	$2,545.05	2.26%
1,512,000	50%	3,500.0	$50,204.18	$52,841.29	$2,637.11	5.25%	$59,447.84	$59,355.78	-$92.07	-0.15%	$109,652.02	$112,197.07	$2,545.05	2.32%
1,512,000	40%	3,500.0	$50,204.18	$52,841.29	$2,637.11	5.25%	$56,619.37	$56,527.31	-$92.07	-0.16%	$106,823.55	$109,368.60	$2,545.05	2.38%
2,016,000	60%	3,500.0	$54,098.85	$56,735.96	$2,637.11	4.87%	$83,035.08	$82,912.33	-$122.75	-0.15%	$137,133.93	$139,648.29	$2,514.36	1.83%
2,016,000	50%	3,500.0	$54,098.85	$56,735.96	$2,637.11	4.87%	$79,263.79	$79,141.04	-$122.75	-0.15%	$133,362.64	$135,876.99	$2,514.36	1.89%
2,016,000	40%	3,500.0	$54,098.85	$56,735.96	$2,637.11	4.87%	$75,492.50	$75,369.74	-$122.75	-0.16%	$129,591.34	$132,105.70	$2,514.36	1.94%
1,152,000	60%	4,000.0	$52,630.61	$55,638.86	$3,008.25	5.72%	$47,448.62	$47,378.47	-$70.15	-0.15%	$100,079.23	$103,017.33	$2,938.10	2.94%
1,152,000	50%	4,000.0	$52,630.61	$55,638.86	$3,008.25	5.72%	$45,293.59	$45,223.45	-$70.15	-0.15%	$97,924.21	$100,862.31	$2,938.10	3.00%
1,152,000	40%	4,000.0	$52,630.61	$55,638.86	$3,008.25	5.72%	$43,138.57	$43,068.42	-$70.15	-0.16%	$95,769.18	$98,707.28	$2,938.10	3.07%
1,728,000	60%	4,000.0	$57,081.66	$60,089.90	$3,008.25	5.27%	$71,172.93	$71,067.71	-$105.22	-0.15%	$128,254.58	$131,157.61	$2,903.03	2.26%
1,728,000	50%	4,000.0	$57,081.66	$60,089.90	$3,008.25	5.27%	$67,940.39	$67,835.17	-$105.22	-0.15%	$125,022.05	$127,925.08	$2,903.03	2.32%
1,728,000	40%	4,000.0	$57,081.66	$60,089.90	$3,008.25	5.27%	$64,707.85	$64,602.64	-$105.22	-0.16%	$121,789.51	$124,692.54	$2,903.03	2.38%
2,304,000	60%	4,000.0	$61,532.70	$64,540.95	$3,008.25	4.89%	$94,897.24	$94,756.95	-$140.29	-0.15%	$156,429.94	$159,297.90	$2,867.96	1.83%
2,304,000	50%	4,000.0	$61,532.70	$64,540.95	$3,008.25	4.89%	$90,587.19	$90,446.90	-$140.29	-0.15%	$152,119.89	$154,987.85	$2,867.96	1.89%
2,304,000	40%	4,000.0	$61,532.70	$64,540.95	$3,008.25	4.89%	$86,277.14	$86,136.85	-$140.29	-0.16%	$147,809.84	$150,677.80	$2,867.96	1.94%
3,888,000	60%	13,500.0	$172,731.41	$182,791.20	$10,059.79	5.82%	$160,139.09	$159,902.35	-$236.74	-0.15%	$332,870.50	$342,693.55	$9,823.05	2.95%
3,888,000	50%	13,500.0	$172,731.41	$182,791.20	$10,059.79	5.82%	$152,865.88	$152,629.14	-$236.74	-0.15%	$325,597.29	$335,420.34	$9,823.05	3.02%
3,888,000	40%	13,500.0	$172,731.41	$182,791.20	$10,059.79	5.82%	$145,592.67	$145,355.93	-$236.74	-0.16%	$318,324.08	$328,147.13	$9,823.05	3.09%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$2,000.00	$2,038.00
Delivery Charge	$/kW	$10.77	$11.72
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.15	$0.15
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.85000	-$1.08000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.04195	$0.04195
Energy Charge Off-peak (includes capacity)	$/kWh	$0.02343	$0.02343
Merchant Function Charge	$/kWh	$0.00048	$0.00042
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3A-LARGE GENERAL SERVICE (SUBTRANSMISSION)
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$15,921.11	$16,590.18	$669.07	4.20%	$29,401.99	$29,357.62	-$44.37	-0.15%	$45,323.10	$45,947.80	$624.70	1.38%
720,000	50%	2,500.0	$15,921.11	$16,590.18	$669.07	4.20%	$28,059.56	$28,015.19	-$44.37	-0.16%	$43,980.67	$44,605.37	$624.70	1.42%
720,000	40%	2,500.0	$15,921.11	$16,590.18	$669.07	4.20%	$26,717.13	$26,672.76	-$44.37	-0.17%	$42,638.24	$43,262.94	$624.70	1.47%
1,080,000	60%	2,500.0	$18,703.01	$19,372.08	$669.07	3.58%	$44,102.99	$44,036.43	-$66.56	-0.15%	$62,806.00	$63,408.52	$602.52	0.96%
1,080,000	50%	2,500.0	$18,703.01	$19,372.08	$669.07	3.58%	$42,089.35	$42,022.79	-$66.56	-0.16%	$60,792.36	$61,394.87	$602.52	0.99%
1,080,000	40%	2,500.0	$18,703.01	$19,372.08	$669.07	3.58%	$40,075.70	$40,009.14	-$66.56	-0.17%	$58,778.71	$59,381.23	$602.52	1.03%
1,440,000	60%	2,500.0	$21,484.91	$22,153.99	$669.07	3.11%	$58,803.99	$58,715.25	-$88.74	-0.15%	$80,288.90	$80,869.23	$580.33	0.72%
1,440,000	50%	2,500.0	$21,484.91	$22,153.99	$669.07	3.11%	$56,119.13	$56,030.38	-$88.74	-0.16%	$77,604.04	$78,184.37	$580.33	0.75%
1,440,000	40%	2,500.0	$21,484.91	$22,153.99	$669.07	3.11%	$53,434.27	$53,345.52	-$88.74	-0.17%	$74,919.18	$75,499.51	$580.33	0.77%
1,094,400	60%	3,800.0	$22,896.33	$23,887.05	$990.72	4.33%	$44,691.03	$44,623.59	-$67.44	-0.15%	$67,587.36	$68,510.64	$923.28	1.37%
1,094,400	50%	3,800.0	$22,896.33	$23,887.05	$990.72	4.33%	$42,650.54	$42,583.09	-$67.44	-0.16%	$65,546.87	$66,470.15	$923.28	1.41%
1,094,400	40%	3,800.0	$22,896.33	$23,887.05	$990.72	4.33%	$40,610.04	$40,542.60	-$67.44	-0.17%	$63,506.37	$64,429.65	$923.28	1.45%
1,641,600	60%	3,800.0	$27,124.82	$28,115.55	$990.72	3.65%	$67,036.55	$66,935.38	-$101.17	-0.15%	$94,161.37	$95,050.93	$889.56	0.94%
1,641,600	50%	3,800.0	$27,124.82	$28,115.55	$990.72	3.65%	$63,975.80	$63,874.64	-$101.17	-0.16%	$91,100.63	$91,990.19	$889.56	0.98%
1,641,600	40%	3,800.0	$27,124.82	$28,115.55	$990.72	3.65%	$60,915.06	$60,813.90	-$101.17	-0.17%	$88,039.89	$88,929.44	$889.56	1.01%
2,188,800	60%	3,800.0	$31,353.32	$32,344.04	$990.72	3.16%	$89,382.06	$89,247.17	-$134.89	-0.15%	$120,735.38	$121,591.21	$855.83	0.71%
2,188,800	50%	3,800.0	$31,353.32	$32,344.04	$990.72	3.16%	$85,301.07	$85,166.19	-$134.89	-0.16%	$116,654.39	$117,510.22	$855.83	0.73%
2,188,800	40%	3,800.0	$31,353.32	$32,344.04	$990.72	3.16%	$81,220.08	$81,085.20	-$134.89	-0.17%	$112,573.40	$113,429.23	$855.83	0.76%
1,152,000	60%	4,000.0	$23,969.44	$25,009.65	$1,040.21	4.34%	$47,043.19	$46,972.20	-$70.99	-0.15%	$71,012.63	$71,981.85	$969.21	1.36%
1,152,000	50%	4,000.0	$23,969.44	$25,009.65	$1,040.21	4.34%	$44,895.30	$44,824.31	-$70.99	-0.16%	$68,864.75	$69,833.96	$969.21	1.41%
1,152,000	40%	4,000.0	$23,969.44	$25,009.65	$1,040.21	4.34%	$42,747.41	$42,676.42	-$70.99	-0.17%	$66,716.86	$67,686.07	$969.21	1.45%
1,728,000	60%	4,000.0	$28,420.49	$29,460.69	$1,040.21	3.66%	$70,564.79	$70,458.30	-$106.49	-0.15%	$98,985.27	$99,918.99	$933.72	0.94%
1,728,000	50%	4,000.0	$28,420.49	$29,460.69	$1,040.21	3.66%	$67,342.95	$67,236.46	-$106.49	-0.16%	$95,763.44	$96,697.16	$933.72	0.98%
1,728,000	40%	4,000.0	$28,420.49	$29,460.69	$1,040.21	3.66%	$64,121.12	$64,014.63	-$106.49	-0.17%	$92,541.61	$93,475.32	$933.72	1.01%
2,304,000	60%	4,000.0	$32,871.53	$33,911.74	$1,040.21	3.16%	$94,086.38	$93,944.39	-$141.99	-0.15%	$126,957.91	$127,856.13	$898.22	0.71%
2,304,000	50%	4,000.0	$32,871.53	$33,911.74	$1,040.21	3.16%	$89,790.60	$89,648.62	-$141.99	-0.16%	$122,662.14	$123,560.36	$898.22	0.73%
2,304,000	40%	4,000.0	$32,871.53	$33,911.74	$1,040.21	3.16%	$85,494.83	$85,352.84	-$141.99	-0.17%	$118,366.36	$119,264.58	$898.22	0.76%
3,888,000	60%	13,500.0	$74,942.23	$78,332.95	$3,390.72	4.52%	$158,770.77	$158,531.17	-$239.60	-0.15%	$233,713.00	$236,864.12	$3,151.12	1.35%
3,888,000	50%	13,500.0	$74,942.23	$78,332.95	$3,390.72	4.52%	$151,521.64	$151,282.04	-$239.60	-0.16%	$226,463.88	$229,614.99	$3,151.12	1.39%
3,888,000	40%	13,500.0	$74,942.23	$78,332.95	$3,390.72	4.52%	$144,272.52	$144,032.91	-$239.60	-0.17%	$219,214.75	$222,365.87	$3,151.12	1.44%
5,832,000	60%	13,500.0	$89,964.51	$93,355.23	$3,390.72	3.77%	$238,156.15	$237,796.75	-$359.41	-0.15%	$328,120.66	$331,151.98	$3,031.32	0.92%
5,832,000	50%	13,500.0	$89,964.51	$93,355.23	$3,390.72	3.77%	$227,282.47	$226,923.06	-$359.41	-0.16%	$317,246.97	$320,278.29	$3,031.32	0.96%
5,832,000	40%	13,500.0	$89,964.51	$93,355.23	$3,390.72	3.77%	$216,408.78	$216,049.37	-$359.41	-0.17%	$306,373.28	$309,404.60	$3,031.32	0.99%
7,776,000	60%	13,500.0	$104,986.78	$108,377.51	$3,390.72	3.23%	$317,541.54	$317,062.33	-$479.21	-0.15%	$422,528.32	$425,439.84	$2,911.51	0.69%
7,776,000	50%	13,500.0	$104,986.78	$108,377.51	$3,390.72	3.23%	$303,043.29	$302,564.08	-$479.21	-0.16%	$408,030.07	$410,941.59	$2,911.51	0.71%
7,776,000	40%	13,500.0	$104,986.78	$108,377.51	$3,390.72	3.23%	$288,545.04	$288,065.83	-$479.21	-0.17%	$393,531.82	$396,443.33	$2,911.51	0.74%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$2,432.00	$2,481.00
Delivery Charge	$/kW	$3.76	$4.19
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.89000	-$1.08000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.04158	$0.04158
Energy Charge Off-peak (includes capacity)	$/kWh	$0.02312	$0.02312
Merchant Function Charge	$/kWh	$0.00048	$0.00042
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3A-LARGE GENERAL SERVICE (TRANSMISSION)
West Region (Load Zones 1A and 29B)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$17,841.73	$19,376.78	$1,535.05	8.60%	$28,434.73	$28,388.51	-$46.21	-0.16%	$46,276.45	$47,765.29	$1,488.84	3.22%
720,000	50%	2,500.0	$17,841.73	$19,376.78	$1,535.05	8.60%	$27,182.86	$27,136.65	-$46.21	-0.17%	$45,024.59	$46,513.43	$1,488.84	3.31%
720,000	40%	2,500.0	$17,841.73	$19,376.78	$1,535.05	8.60%	$25,930.99	$25,884.78	-$46.21	-0.18%	$43,772.72	$45,261.56	$1,488.84	3.40%
1,080,000	60%	2,500.0	$20,623.63	$22,158.68	$1,535.05	7.44%	$42,652.09	$42,582.77	-$69.32	-0.16%	$63,275.72	$64,741.45	$1,465.73	2.32%
1,080,000	50%	2,500.0	$20,623.63	$22,158.68	$1,535.05	7.44%	$40,774.29	$40,704.97	-$69.32	-0.17%	$61,397.92	$62,863.65	$1,465.73	2.39%
1,080,000	40%	2,500.0	$20,623.63	$22,158.68	$1,535.05	7.44%	$38,896.49	$38,827.17	-$69.32	-0.18%	$59,520.12	$60,985.85	$1,465.73	2.46%
1,440,000	60%	2,500.0	$23,405.53	$24,940.58	$1,535.05	6.56%	$56,869.45	$56,777.03	-$92.43	-0.16%	$80,274.98	$81,717.61	$1,442.63	1.80%
1,440,000	50%	2,500.0	$23,405.53	$24,940.58	$1,535.05	6.56%	$54,365.72	$54,273.29	-$92.43	-0.17%	$77,771.25	$79,213.88	$1,442.63	1.85%
1,440,000	40%	2,500.0	$23,405.53	$24,940.58	$1,535.05	6.56%	$51,861.99	$51,769.56	-$92.43	-0.18%	$75,267.52	$76,710.15	$1,442.63	1.92%
1,152,000	60%	4,000.0	$25,441.61	$27,827.18	$2,385.57	9.38%	$45,495.56	$45,421.62	-$73.94	-0.16%	$70,937.17	$73,248.80	$2,311.63	3.26%
1,152,000	50%	4,000.0	$25,441.61	$27,827.18	$2,385.57	9.38%	$43,492.58	$43,418.64	-$73.94	-0.17%	$68,934.18	$71,245.81	$2,311.63	3.35%
1,152,000	40%	4,000.0	$25,441.61	$27,827.18	$2,385.57	9.38%	$41,489.59	$41,415.65	-$73.94	-0.18%	$66,931.20	$69,242.83	$2,311.63	3.45%
1,728,000	60%	4,000.0	$29,892.65	$32,278.22	$2,385.57	7.98%	$68,243.34	$68,132.43	-$110.91	-0.16%	$98,135.99	$100,410.65	$2,274.66	2.32%
1,728,000	50%	4,000.0	$29,892.65	$32,278.22	$2,385.57	7.98%	$65,238.86	$65,127.95	-$110.91	-0.17%	$95,131.52	$97,406.17	$2,274.66	2.39%
1,728,000	40%	4,000.0	$29,892.65	$32,278.22	$2,385.57	7.98%	$62,234.39	$62,123.48	-$110.91	-0.18%	$92,127.04	$94,401.70	$2,274.66	2.47%
2,304,000	60%	4,000.0	$34,343.70	$36,729.26	$2,385.57	6.95%	$90,991.12	$90,843.24	-$147.88	-0.16%	$125,334.82	$127,572.51	$2,237.69	1.79%
2,304,000	50%	4,000.0	$34,343.70	$36,729.26	$2,385.57	6.95%	$86,985.15	$86,837.27	-$147.88	-0.17%	$121,328.85	$123,566.54	$2,237.69	1.84%
2,304,000	40%	4,000.0	$34,343.70	$36,729.26	$2,385.57	6.95%	$82,979.18	$82,831.30	-$147.88	-0.18%	$117,322.88	$119,560.57	$2,237.69	1.91%
2,620,800	60%	9,100.0	$51,281.21	$56,558.53	$5,277.32	10.29%	$103,502.40	$103,334.19	-$168.21	-0.16%	$154,783.61	$159,892.71	$5,109.10	3.30%
2,620,800	50%	9,100.0	$51,281.21	$56,558.53	$5,277.32	10.29%	$98,945.61	$98,777.40	-$168.21	-0.17%	$150,226.82	$155,335.92	$5,109.10	3.40%
2,620,800	40%	9,100.0	$51,281.21	$56,558.53	$5,277.32	10.29%	$94,388.82	$94,220.61	-$168.21	-0.18%	$145,670.03	$150,779.13	$5,109.10	3.51%
3,931,200	60%	9,100.0	$61,407.33	$66,684.65	$5,277.32	8.59%	$155,253.60	$155,001.28	-$252.32	-0.16%	$216,660.93	$221,685.93	$5,025.00	2.32%
3,931,200	50%	9,100.0	$61,407.33	$66,684.65	$5,277.32	8.59%	$148,418.42	$148,166.09	-$252.32	-0.17%	$209,825.75	$214,850.75	$5,025.00	2.39%
3,931,200	40%	9,100.0	$61,407.33	$66,684.65	$5,277.32	8.59%	$141,583.23	$141,330.91	-$252.32	-0.18%	$202,990.56	$208,015.56	$5,025.00	2.48%
5,241,600	60%	9,100.0	$71,533.46	$76,810.78	$5,277.32	7.38%	$207,004.80	$206,668.37	-$336.43	-0.16%	$278,538.26	$283,479.15	$4,940.89	1.77%
5,241,600	50%	9,100.0	$71,533.46	$76,810.78	$5,277.32	7.38%	$197,891.22	$197,554.79	-$336.43	-0.17%	$269,424.68	$274,365.57	$4,940.89	1.83%
5,241,600	40%	9,100.0	$71,533.46	$76,810.78	$5,277.32	7.38%	$188,777.64	$188,441.21	-$336.43	-0.18%	$260,311.10	$265,251.99	$4,940.89	1.90%
3,888,000	60%	13,500.0	$73,574.19	$81,346.36	$7,772.16	10.56%	$153,547.52	$153,297.97	-$249.55	-0.16%	$227,121.71	$234,644.32	$7,522.62	3.31%
3,888,000	50%	13,500.0	$73,574.19	$81,346.36	$7,772.16	10.56%	$146,787.44	$146,537.89	-$249.55	-0.17%	$220,361.64	$227,884.25	$7,522.62	3.41%
3,888,000	40%	13,500.0	$73,574.19	$81,346.36	$7,772.16	10.56%	$140,027.37	$139,777.82	-$249.55	-0.18%	$213,601.56	$221,124.18	$7,522.62	3.52%
5,832,000	60%	13,500.0	$88,596.47	$96,368.63	$7,772.16	8.77%	$230,321.28	$229,946.95	-$374.32	-0.16%	$318,917.74	$326,315.58	$7,397.84	2.32%
5,832,000	50%	13,500.0	$88,596.47	$96,368.63	$7,772.16	8.77%	$220,181.17	$219,806.84	-$374.32	-0.17%	$308,777.63	$316,175.47	$7,397.84	2.40%
5,832,000	40%	13,500.0	$88,596.47	$96,368.63	$7,772.16	8.77%	$210,041.06	$209,666.73	-$374.32	-0.18%	$298,637.53	$306,035.37	$7,397.84	2.48%
7,776,000	60%	13,500.0	$103,618.74	$111,390.91	$7,772.16	7.50%	$307,095.03	$306,595.94	-$499.10	-0.16%	$410,713.78	$417,986.84	$7,273.07	1.77%
7,776,000	50%	13,500.0	$103,618.74	$111,390.91	$7,772.16	7.50%	$293,574.89	$293,075.79	-$499.10	-0.17%	$397,193.63	$404,466.70	$7,273.07	1.83%
7,776,000	40%	13,500.0	$103,618.74	$111,390.91	$7,772.16	7.50%	$280,054.74	$279,555.64	-$499.10	-0.18%	$383,673.49	$390,946.55	$7,273.07	1.90%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$5,020.00	$5,134.00
Delivery Charge	$/kW	$3.39	$4.04
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.17	$0.17
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.84000	-$0.94000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.03976	$0.03976
Energy Charge Off-peak (includes capacity)	$/kWh	$0.02255	$0.02255
Merchant Function Charge	$/kWh	$0.00047	$0.00041
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC1-RESIDENTIAL
Central Region (Load Zones 2C, 3E and 31D)
Rate Year 1: July 1, 2020 - June 30, 2021

	Delivery				Supply				Total			
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
100	$24.69	$25.60	$0.90	3.66%	$4.08	$4.04	($0.04)	-0.91%	$28.77	$29.64	$0.87	3.01%
200	$31.86	$33.33	$1.47	4.60%	$8.16	$8.09	($0.07)	-0.91%	$40.02	$41.41	$1.39	3.48%
300	$39.03	$41.06	$2.03	5.20%	$12.24	$12.13	($0.11)	-0.91%	$51.27	$53.18	$1.92	3.74%
400	$46.19	$48.79	$2.59	5.61%	$16.32	$16.17	($0.15)	-0.91%	$62.51	$64.96	$2.44	3.91%
500	$53.36	$56.52	$3.15	5.91%	$20.40	$20.21	($0.18)	-0.91%	$73.76	$76.73	$2.97	4.03%
600	$60.53	$64.25	$3.72	6.14%	$24.48	$24.26	($0.22)	-0.91%	$85.01	$88.50	$3.50	4.11%
700	$67.69	$71.98	$4.28	6.32%	$28.56	$28.30	($0.26)	-0.91%	$96.25	$100.27	$4.02	4.18%
800	$74.86	$79.70	$4.84	6.47%	$32.64	$32.34	($0.30)	-0.91%	$107.50	$112.05	$4.55	4.23%
900	$82.03	$87.43	$5.41	6.59%	$36.72	$36.38	($0.33)	-0.91%	$118.75	$123.82	$5.07	4.27%
1,000	$89.20	$95.16	$5.97	6.69%	$40.80	$40.43	($0.37)	-0.91%	$129.99	$135.59	$5.60	4.31%
1,100	$96.36	$102.89	$6.53	6.78%	$44.88	$44.47	($0.41)	-0.91%	$141.24	$147.36	$6.13	4.34%
1,200	$103.53	$110.62	$7.09	6.85%	$48.96	$48.51	($0.44)	-0.91%	$152.49	$159.14	$6.65	4.36%
1,300	$110.70	$118.35	$7.66	6.92%	$53.04	$52.55	($0.48)	-0.91%	$163.73	$170.91	$7.18	4.38%
1,400	$117.86	$126.08	$8.22	6.97%	$57.11	$56.60	($0.52)	-0.91%	$174.98	$182.68	$7.70	4.40%
1,500	$125.03	$133.81	$8.78	7.03%	$61.19	$60.64	($0.55)	-0.91%	$186.22	$194.45	$8.23	4.42%
1,600	$132.20	$141.54	$9.35	7.07%	$65.27	$64.68	($0.59)	-0.91%	$197.47	$206.23	$8.76	4.43%
1,700	$139.36	$149.27	$9.91	7.11%	$69.35	$68.73	($0.63)	-0.91%	$208.72	$218.00	$9.28	4.45%
1,800	$146.53	$157.00	$10.47	7.15%	$73.43	$72.77	($0.67)	-0.91%	$219.96	$229.77	$9.81	4.46%
1,900	$153.70	$164.73	$11.04	7.18%	$77.51	$76.81	($0.70)	-0.91%	$231.21	$241.54	$10.33	4.47%
2,000	$160.87	$172.46	$11.60	7.21%	$81.59	$80.85	($0.74)	-0.91%	$242.46	$253.32	$10.86	4.48%
2,200	$175.20	$187.92	$12.72	7.26%	$89.75	$88.94	($0.81)	-0.91%	$264.95	$276.86	$11.91	4.50%
2,400	$189.53	$203.38	$13.85	7.31%	$97.91	$97.02	($0.89)	-0.91%	$287.44	$300.41	$12.96	4.51%
2,600	$203.87	$218.84	$14.98	7.35%	$106.07	$105.11	($0.96)	-0.91%	$309.94	$323.95	$14.01	4.52%
2,800	$218.20	$234.30	$16.10	7.38%	$114.23	$113.20	($1.03)	-0.91%	$332.43	$347.50	$15.07	4.53%
3,000	$232.54	$249.76	$17.23	7.41%	$122.39	$121.28	($1.11)	-0.91%	$354.92	$371.04	$16.12	4.54%
3,200	$246.87	$265.22	$18.35	7.43%	$130.55	$129.37	($1.18)	-0.91%	$377.42	$394.59	$17.17	4.55%
3,400	$261.20	$280.68	$19.48	7.46%	$138.71	$137.45	($1.26)	-0.91%	$399.91	$418.13	$18.22	4.56%
3,600	$275.54	$296.14	$20.60	7.48%	$146.87	$145.54	($1.33)	-0.91%	$422.40	$441.68	$19.27	4.56%
3,800	$289.87	$311.60	$21.73	7.50%	$155.03	$153.62	($1.40)	-0.91%	$444.90	$465.22	$20.33	4.57%
4,000	$304.20	$327.06	$22.86	7.51%	$163.19	$161.71	($1.48)	-0.91%	$467.39	$488.77	$21.38	4.57%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$17.00	$17.33
Delivery Charge	$/kWh	$0.06143	$0.06689
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kWh	$0.00011	$0.00011
Earnings Adjustment Mechanism	$/kWh	$0.00048	$0.00048
Value of Distributed Energy Resources	$/kWh	$0.00000	$0.00000
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03206	$0.03206
Electricity Supply Reconciliation Mechanism	$/kWh	$0.00101	$0.00101
Merchant Function Charge	$/kWh	$0.00156	$0.00120
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC1-RESIDENTIAL (Low Income)
Central Region (Load Zones 2C, 3E and 31D)
Rate Year 1: July 1, 2020 - June 30, 2021

	Delivery				Commodity				Total			
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
100	-$6.24	-$5.33	$0.90	14.48%	$4.08	$4.04	-$0.04	-0.91%	-$2.16	-$1.29	$0.87	40.18%
200	$0.93	$2.40	$1.47	157.31%	$8.16	$8.09	-$0.07	-0.91%	$9.09	$10.48	$1.39	15.31%
300	$8.10	$10.13	$2.03	25.05%	$12.24	$12.13	-$0.11	-0.91%	$20.34	$22.26	$1.92	9.43%
400	$15.27	$17.86	$2.59	16.98%	$16.32	$16.17	-$0.15	-0.91%	$31.58	$34.03	$2.44	7.74%
500	$22.43	$25.59	$3.15	14.06%	$20.40	$20.21	-$0.18	-0.91%	$42.83	$45.80	$2.97	6.93%
600	$29.60	$33.32	$3.72	12.56%	$24.48	$24.26	-$0.22	-0.91%	$54.08	$57.57	$3.50	6.46%
700	$36.77	$41.05	$4.28	11.64%	$28.56	$28.30	-$0.26	-0.91%	$65.32	$69.35	$4.02	6.16%
800	$43.93	$48.78	$4.84	11.02%	$32.64	$32.34	-$0.30	-0.91%	$76.57	$81.12	$4.55	5.94%
900	$51.10	$56.51	$5.41	10.58%	$36.72	$36.38	-$0.33	-0.91%	$87.82	$92.89	$5.07	5.78%
1,000	$58.27	$64.24	$5.97	10.24%	$40.80	$40.43	-$0.37	-0.91%	$99.06	$104.66	$5.60	5.65%
1,100	$65.43	$71.97	$6.53	9.98%	$44.88	$44.47	-$0.41	-0.91%	$110.31	$116.44	$6.13	5.55%
1,200	$72.60	$79.70	$7.09	9.77%	$48.96	$48.51	-$0.44	-0.91%	$121.56	$128.21	$6.65	5.47%
1,300	$79.77	$87.43	$7.66	9.60%	$53.04	$52.55	-$0.48	-0.91%	$132.80	$139.98	$7.18	5.40%
1,400	$86.94	$95.16	$8.22	9.46%	$57.11	$56.60	-$0.52	-0.91%	$144.05	$151.75	$7.70	5.35%
1,500	$94.10	$102.89	$8.78	9.33%	$61.19	$60.64	-$0.55	-0.91%	$155.30	$163.53	$8.23	5.30%
1,600	$101.27	$110.62	$9.35	9.23%	$65.27	$64.68	-$0.59	-0.91%	$166.54	$175.30	$8.76	5.26%
1,700	$108.44	$118.35	$9.91	9.14%	$69.35	$68.73	-$0.63	-0.91%	$177.79	$187.07	$9.28	5.22%
1,800	$115.60	$126.08	$10.47	9.06%	$73.43	$72.77	-$0.67	-0.91%	$189.04	$198.84	$9.81	5.19%
1,900	$122.77	$133.81	$11.04	8.99%	$77.51	$76.81	-$0.70	-0.91%	$200.28	$210.62	$10.33	5.16%
2,000	$129.94	$141.54	$11.60	8.93%	$81.59	$80.85	-$0.74	-0.91%	$211.53	$222.39	$10.86	5.13%
2,200	$144.27	$157.00	$12.72	8.82%	$89.75	$88.94	-$0.81	-0.91%	$234.02	$245.93	$11.91	5.09%
2,400	$158.61	$172.45	$13.85	8.73%	$97.91	$97.02	-$0.89	-0.91%	$256.52	$269.48	$12.96	5.05%
2,600	$172.94	$187.91	$14.98	8.66%	$106.07	$105.11	-$0.96	-0.91%	$279.01	$293.02	$14.01	5.02%
2,800	$187.27	$203.37	$16.10	8.60%	$114.23	$113.20	-$1.03	-0.91%	$301.50	$316.57	$15.07	5.00%
3,000	$201.61	$218.83	$17.23	8.54%	$122.39	$121.28	-$1.11	-0.91%	$324.00	$340.11	$16.12	4.97%
3,200	$215.94	$234.29	$18.35	8.50%	$130.55	$129.37	-$1.18	-0.91%	$346.49	$363.66	$17.17	4.96%
3,400	$230.28	$249.75	$19.48	8.46%	$138.71	$137.45	-$1.26	-0.91%	$368.98	$387.20	$18.22	4.94%
3,600	$244.61	$265.21	$20.60	8.42%	$146.87	$145.54	-$1.33	-0.91%	$391.48	$410.75	$19.27	4.92%
3,800	$258.94	$280.67	$21.73	8.39%	$155.03	$153.62	-$1.40	-0.91%	$413.97	$434.29	$20.33	4.91%
4,000	$273.28	$296.13	$22.86	8.36%	$163.19	$161.71	-$1.48	-0.91%	$436.46	$457.84	$21.38	4.90%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	-$13.00	-$12.67
Delivery Charge	$/kWh	$0.06143	$0.06689
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kWh	$0.00011	$0.00011
Earnings Adjustment Mechanism	$/kWh	$0.00048	$0.00048
Value of Distributed Energy Resources	$/kWh	$0.00000	$0.00000
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03206	$0.03206
Electricity Supply Reconciliation Mechanism	$/kWh	$0.00101	$0.00101
Merchant Function Charge	$/kWh	$0.00156	$0.00120
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC-1C RESIDENTIAL
Central Region (Load Zones 2C, 3E and 31D)
Rate Year 1: July 1, 2020 - June 30, 2021

	Delivery				Commodity				Total			
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
500	$53.06	$54.15	$1.09	2.06%	$19.81	$19.63	-$0.18	-0.93%	$72.87	$73.78	$0.91	1.25%
800	$66.33	$67.70	$1.36	2.06%	$830.44	$830.44	$0.00	0.00%	$896.77	$898.14	$1.36	0.15%
1,100	$79.61	$81.25	$1.64	2.06%	$1,135.46	$1,135.46	$0.00	0.00%	$1,215.07	$1,216.71	$1.64	0.13%
1,400	$92.89	$94.80	$1.91	2.06%	$45.13	$45.13	$0.00	0.00%	$138.02	$139.93	$1.91	1.38%
1,700	$106.16	$108.35	$2.18	2.05%	$54.80	$54.80	$0.00	0.00%	$160.97	$163.15	$2.18	1.36%
2,000	$119.44	$121.89	$2.45	2.05%	$64.47	$64.47	$0.00	0.00%	$183.91	$186.37	$2.45	1.33%
2,300	$132.72	$135.44	$2.73	2.05%	$74.14	$74.14	$0.00	0.00%	$206.86	$209.59	$2.73	1.32%
2,600	$146.00	$148.99	$3.00	2.05%	$83.82	$83.82	$0.00	0.00%	$229.81	$232.81	$3.00	1.30%
2,900	$159.27	$162.54	$3.27	2.05%	$93.49	$93.49	$0.00	0.00%	$252.76	$256.03	$3.27	1.29%
3,200	$172.55	$176.09	$3.54	2.05%	$103.16	$103.16	$0.00	0.00%	$275.71	$279.25	$3.54	1.28%
3,500	$185.83	$189.64	$3.81	2.05%	$112.83	$112.83	$0.00	0.00%	$298.65	$302.47	$3.81	1.28%
3,800	$199.10	$203.19	$4.09	2.05%	$122.50	$122.50	$0.00	0.00%	$321.60	$325.69	$4.09	1.27%
4,100	$212.38	$216.74	$4.36	2.05%	$132.17	$132.17	$0.00	0.00%	$344.55	$348.91	$4.36	1.27%
4,500	$230.08	$234.80	$4.72	2.05%	$145.07	$145.07	$0.00	0.00%	$375.15	$379.87	$4.72	1.26%
5,000	$252.21	$257.39	$5.18	2.05%	$161.18	$161.18	$0.00	0.00%	$413.40	$418.57	$5.18	1.25%
5,300	$265.49	$270.94	$5.45	2.05%	$170.85	$170.85	$0.00	0.00%	$436.34	$441.79	$5.45	1.25%
5,600	$278.77	$284.49	$5.72	2.05%	$180.53	$180.53	$0.00	0.00%	$459.29	$465.01	$5.72	1.25%
5,900	$292.04	$298.03	$5.99	2.05%	$190.20	$190.20	$0.00	0.00%	$482.24	$488.23	$5.99	1.24%
6,200	$305.32	$311.58	$6.26	2.05%	$199.87	$199.87	$0.00	0.00%	$505.19	$511.45	$6.26	1.24%
6,500	$318.60	$325.13	$6.54	2.05%	$209.54	$209.54	$0.00	0.00%	$528.14	$534.67	$6.54	1.24%
6,800	$331.87	$338.68	$6.81	2.05%	$219.21	$219.21	$0.00	0.00%	$551.08	$557.89	$6.81	1.24%
7,100	$345.15	$352.23	$7.08	2.05%	$228.88	$228.88	$0.00	0.00%	$574.03	$581.11	$7.08	1.23%
7,400	$358.43	$365.78	$7.35	2.05%	$238.55	$238.55	$0.00	0.00%	$596.98	$604.33	$7.35	1.23%
7,700	$371.70	$379.33	$7.62	2.05%	$248.22	$248.22	$0.00	0.00%	$619.93	$627.55	$7.62	1.23%
8,000	$384.98	$392.88	$7.90	2.05%	$257.89	$257.89	$0.00	0.00%	$642.88	$650.77	$7.90	1.23%
8,300	$398.26	$406.43	$8.17	2.05%	$267.56	$267.56	$0.00	0.00%	$665.82	$673.99	$8.17	1.23%
8,600	$411.54	$419.98	$8.44	2.05%	$277.24	$277.24	$0.00	0.00%	$688.77	$697.21	$8.44	1.23%
8,900	$424.81	$433.53	$8.71	2.05%	$286.91	$286.91	$0.00	0.00%	$711.72	$720.43	$8.71	1.22%
9,200	$438.09	$447.08	$8.99	2.05%	$296.58	$296.58	$0.00	0.00%	$734.67	$743.65	$8.99	1.22%
9,500	$451.37	$460.62	$9.26	2.05%	$306.25	$306.25	$0.00	0.00%	$757.62	$766.87	$9.26	1.22%
9,800	$464.64	$474.17	$9.53	2.05%	$315.92	$315.92	$0.00	0.00%	$780.56	$790.09	$9.53	1.22%
10,100	$477.92	$487.72	$9.80	2.05%	$325.59	$325.59	$0.00	0.00%	$803.51	$813.31	$9.80	1.22%
10,400	$491.20	$501.27	$10.07	2.05%	$335.26	$335.26	$0.00	0.00%	$826.46	$836.53	$10.07	1.22%
10,700	$504.47	$514.82	$10.35	2.05%	$344.93	$344.93	$0.00	0.00%	$849.41	$859.75	$10.35	1.22%
11,000	$517.75	$528.37	$10.62	2.05%	$354.60	$354.60	$0.00	0.00%	$872.36	$882.97	$10.62	1.22%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$30.00	$30.62
Delivery Charge	$/kWh	$0.03494	$0.03582
Transmission Revenue Adjustmen	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kWh	$0.00008	$0.00008
Earnings Adjustment Mechanism	$/kWh	$0.00041	$0.00041
Value of Distributed Energy Resources	$/kWh	$0.00000	$0.00000
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges			Current	Proposed
Energy Charge On-peak (includes capacity)	7%	$/kWh	$0.05201	$0.05201
Energy Charge Shoulder-peak (includes capacity)	12%	$/kWh	$0.04054	$0.04054
Energy Charge Off-peak (includes capacity)	81%	$/kWh	$0.02890	$0.02890
Merchant Function Charge		$/kWh	$0.00156	$0.00120
Clean Energy Standard Supply		$/kWh	$0.00576	$0.00576
GRT Commodity		Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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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)
Rate Year 1: July 1, 2020 - June 30, 2021

	Delivery				Commodity				Total			
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
100	$29.46	$30.24	$0.78	2.66%	$4.00	$3.97	($0.04)	-0.92%	$33.46	$34.21	$0.75	2.23%
200	$37.25	$38.81	$1.57	4.21%	$8.01	$7.93	($0.07)	-0.92%	$45.25	$46.75	$1.50	3.30%
300	$45.03	$47.39	$2.35	5.23%	$12.01	$11.90	($0.11)	-0.92%	$57.05	$59.29	$2.24	3.93%
450	$56.72	$60.25	$3.53	6.22%	$18.02	$17.85	($0.17)	-0.92%	$74.73	$78.10	$3.36	4.50%
600	$68.40	$73.10	$4.71	6.88%	$24.02	$23.80	($0.22)	-0.92%	$92.42	$96.91	$4.49	4.85%
700	$76.18	$81.68	$5.49	7.21%	$28.03	$27.77	($0.26)	-0.92%	$104.21	$109.45	$5.23	5.02%
800	$83.97	$90.25	$6.28	7.47%	$32.03	$31.74	($0.29)	-0.92%	$116.01	$121.99	$5.98	5.16%
900	$91.76	$98.82	$7.06	7.69%	$36.04	$35.70	($0.33)	-0.92%	$127.80	$134.53	$6.73	5.27%
1,000	$99.55	$107.39	$7.85	7.88%	$40.04	$39.67	($0.37)	-0.92%	$139.59	$147.07	$7.48	5.36%
1,100	$107.34	$115.97	$8.63	8.04%	$44.04	$43.64	($0.41)	-0.92%	$151.38	$159.61	$8.22	5.43%
1,200	$115.12	$124.54	$9.41	8.18%	$48.05	$47.61	($0.44)	-0.92%	$163.17	$172.14	$8.97	5.50%
1,300	$122.91	$133.11	$10.20	8.30%	$52.05	$51.57	($0.48)	-0.92%	$174.96	$184.68	$9.72	5.56%
1,400	$130.70	$141.68	$10.98	8.40%	$56.06	$55.54	($0.52)	-0.92%	$186.76	$197.22	$10.47	5.60%
1,500	$138.49	$150.26	$11.77	8.50%	$60.06	$59.51	($0.55)	-0.92%	$198.55	$209.76	$11.21	5.65%
1,600	$146.28	$158.83	$12.55	8.58%	$64.07	$63.48	($0.59)	-0.92%	$210.34	$222.30	$11.96	5.69%
1,700	$154.06	$167.40	$13.34	8.66%	$68.07	$67.44	($0.63)	-0.92%	$222.13	$234.84	$12.71	5.72%
1,800	$161.85	$175.97	$14.12	8.73%	$72.07	$71.41	($0.66)	-0.92%	$233.92	$247.38	$13.46	5.75%
1,900	$169.64	$184.55	$14.91	8.79%	$76.08	$75.38	($0.70)	-0.92%	$245.72	$259.92	$14.21	5.78%
2,000	$177.43	$193.12	$15.69	8.84%	$80.08	$79.34	($0.74)	-0.92%	$257.51	$272.46	$14.95	5.81%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$21.02	$21.02
Delivery Charge	$/kWh	$0.06744	$0.07505
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kWh	$0.00013	$0.00013
Earnings Adjustment Mechanism	$/kWh	$0.00048	$0.00048
Value of Distributed Energy Resources	$/kWh	$0.00000	$0.00000
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03134	$0.03134
Electricity Supply Reconciliation Mechanism	$/kWh	$0.00101	$0.00101
Merchant Function Charge	$/kWh	$0.00154	$0.00118
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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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)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
1,008	7.0	$152.98	$157.87	$4.89	3.19%	$38.92	$38.55	-$0.37	-0.95%	$191.90	$196.41	$4.52	2.35%
1,512	7.0	$156.88	$161.76	$4.89	3.11%	$58.38	$57.82	-$0.56	-0.95%	$215.25	$219.58	$4.33	2.01%
2,016	7.0	$160.77	$165.66	$4.89	3.04%	$77.84	$77.09	-$0.74	-0.95%	$238.61	$242.75	$4.14	1.74%
2,520	7.0	$164.67	$169.55	$4.89	2.97%	$97.29	$96.37	-$0.93	-0.95%	$261.96	$265.92	$3.96	1.51%
2,160	15.0	$265.94	$279.90	$13.96	5.25%	$83.39	$82.60	-$0.80	-0.95%	$349.33	$362.50	$13.16	3.77%
3,240	15.0	$274.28	$288.24	$13.96	5.09%	$125.09	$123.90	-$1.19	-0.95%	$399.38	$412.14	$12.77	3.20%
4,320	15.0	$282.63	$296.59	$13.96	4.94%	$166.79	$165.20	-$1.59	-0.95%	$449.42	$461.79	$12.37	2.75%
5,400	15.0	$290.98	$304.93	$13.96	4.80%	$208.49	$206.50	-$1.99	-0.95%	$499.46	$511.43	$11.97	2.40%
3,168	22.0	$364.78	$386.67	$21.90	6.00%	$122.31	$121.15	-$1.17	-0.95%	$487.09	$507.82	$20.73	4.26%
4,752	22.0	$377.02	$398.91	$21.90	5.81%	$183.47	$181.72	-$1.75	-0.95%	$560.49	$580.63	$20.15	3.59%
6,336	22.0	$389.26	$411.15	$21.90	5.63%	$244.62	$242.29	-$2.33	-0.95%	$633.88	$653.45	$19.56	3.09%
7,920	22.0	$401.50	$423.39	$21.90	5.45%	$305.78	$302.86	-$2.92	-0.95%	$707.28	$726.26	$18.98	2.68%
5,760	40.0	$618.93	$661.24	$42.31	6.84%	$222.39	$220.27	-$2.12	-0.95%	$841.32	$881.50	$40.19	4.78%
8,640	40.0	$641.18	$683.49	$42.31	6.60%	$333.58	$330.40	-$3.18	-0.95%	$974.76	$1,013.89	$39.13	4.01%
11,520	40.0	$663.44	$705.75	$42.31	6.38%	$444.77	$440.53	-$4.24	-0.95%	$1,108.21	$1,146.28	$38.07	3.43%
14,400	40.0	$685.70	$728.00	$42.31	6.17%	$555.97	$550.66	-$5.30	-0.95%	$1,241.66	$1,278.67	$37.01	2.98%
8,640	60.0	$901.32	$966.31	$64.99	7.21%	$333.58	$330.40	-$3.18	-0.95%	$1,234.90	$1,296.71	$61.81	5.01%
12,960	60.0	$934.71	$999.69	$64.99	6.95%	$500.37	$495.60	-$4.77	-0.95%	$1,435.07	$1,495.29	$60.22	4.20%
17,280	60.0	$968.09	$1,033.08	$64.99	6.71%	$667.16	$660.80	-$6.36	-0.95%	$1,635.25	$1,693.87	$58.63	3.59%
21,600	60.0	$1,001.47	$1,066.46	$64.99	6.49%	$833.95	$825.99	-$7.95	-0.95%	$1,835.42	$1,892.45	$57.04	3.11%
11,520	80.0	$1,183.72	$1,271.39	$87.67	7.41%	$444.77	$440.53	-$4.24	-0.95%	$1,628.49	$1,711.92	$83.43	5.12%
17,280	80.0	$1,228.23	$1,315.90	$87.67	7.14%	$667.16	$660.80	-$6.36	-0.95%	$1,895.38	$1,976.69	$81.31	4.29%
23,040	80.0	$1,272.74	$1,360.41	$87.67	6.89%	$889.54	$881.06	-$8.48	-0.95%	$2,162.28	$2,241.47	$79.19	3.66%
28,800	80.0	$1,317.25	$1,404.92	$87.67	6.66%	$1,111.93	$1,101.33	-$10.61	-0.95%	$2,429.18	$2,506.24	$77.06	3.17%
14,400	100.0	$1,466.11	$1,576.46	$110.35	7.53%	$555.97	$550.66	-$5.30	-0.95%	$2,022.07	$2,127.12	$105.05	5.20%
21,600	100.0	$1,521.75	$1,632.10	$110.35	7.25%	$833.95	$825.99	-$7.95	-0.95%	$2,355.69	$2,458.09	$102.40	4.35%
28,800	100.0	$1,577.38	$1,687.73	$110.35	7.00%	$1,111.93	$1,101.33	-$10.61	-0.95%	$2,689.31	$2,789.06	$99.74	3.71%
36,000	100.0	$1,633.02	$1,743.37	$110.35	6.76%	$1,389.91	$1,376.66	-$13.26	-0.95%	$3,022.94	$3,120.03	$97.09	3.21%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$52.52	$49.56
Delivery Charge	$/kW	$12.44	$13.54
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03094	$0.03094
Merchant Function Charge	$/kWh	$0.00153	$0.00117
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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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)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,868.34	$1,965.04	$96.70	5.18%	$1,062.50	$1,060.62	-$1.89	-0.18%	$2,930.85	$3,025.66	$94.81	3.24%
36,000	100.0	$1,923.98	$2,020.68	$96.70	5.03%	$1,328.13	$1,325.77	-$2.36	-0.18%	$3,252.11	$3,346.45	$94.34	2.90%
43,200	100.0	$1,979.62	$2,076.32	$96.70	4.88%	$1,593.75	$1,590.92	-$2.83	-0.18%	$3,573.37	$3,667.24	$93.87	2.63%
57,600	100.0	$2,090.89	$2,187.60	$96.70	4.62%	$2,125.01	$2,121.23	-$3.77	-0.18%	$4,215.90	$4,308.83	$92.93	2.20%
66,240	230.0	$3,687.39	$3,898.01	$210.62	5.71%	$2,443.76	$2,439.42	-$4.34	-0.18%	$6,131.15	$6,337.43	$206.28	3.36%
82,800	230.0	$3,815.36	$4,025.98	$210.62	5.52%	$3,054.70	$3,049.27	-$5.42	-0.18%	$6,870.06	$7,075.25	$205.19	2.99%
99,360	230.0	$3,943.33	$4,153.95	$210.62	5.34%	$3,665.63	$3,659.13	-$6.51	-0.18%	$7,608.96	$7,813.07	$204.11	2.68%
132,480	230.0	$4,199.26	$4,409.88	$210.62	5.02%	$4,887.51	$4,878.83	-$8.68	-0.18%	$9,086.78	$9,288.72	$201.94	2.22%
100,800	350.0	$5,366.52	$5,682.29	$315.77	5.88%	$3,718.76	$3,712.16	-$6.60	-0.18%	$9,085.28	$9,394.45	$309.17	3.40%
126,000	350.0	$5,561.25	$5,877.03	$315.77	5.68%	$4,648.45	$4,640.20	-$8.25	-0.18%	$10,209.70	$10,517.22	$307.52	3.01%
151,200	350.0	$5,755.99	$6,071.76	$315.77	5.49%	$5,578.14	$5,568.24	-$9.90	-0.18%	$11,334.12	$11,639.99	$305.87	2.70%
201,600	350.0	$6,145.45	$6,461.22	$315.77	5.14%	$7,437.52	$7,424.31	-$13.21	-0.18%	$13,582.97	$13,885.54	$302.57	2.23%
144,000	500.0	$7,465.42	$7,912.64	$447.22	5.99%	$5,312.51	$5,303.08	-$9.43	-0.18%	$12,777.94	$13,215.72	$437.78	3.43%
180,000	500.0	$7,743.61	$8,190.83	$447.22	5.78%	$6,640.64	$6,628.85	-$11.79	-0.18%	$14,384.26	$14,819.68	$435.43	3.03%
216,000	500.0	$8,021.81	$8,469.02	$447.22	5.58%	$7,968.77	$7,954.62	-$14.15	-0.18%	$15,990.58	$16,423.64	$433.07	2.71%
288,000	500.0	$8,578.19	$9,025.40	$447.22	5.21%	$10,625.03	$10,606.16	-$18.86	-0.18%	$19,203.21	$19,631.56	$428.35	2.23%
216,000	750.0	$10,963.60	$11,629.89	$666.29	6.08%	$7,968.77	$7,954.62	-$14.15	-0.18%	$18,932.37	$19,584.51	$652.14	3.44%
270,000	750.0	$11,380.89	$12,047.17	$666.29	5.85%	$9,960.96	$9,943.28	-$17.69	-0.18%	$21,341.85	$21,990.45	$648.60	3.04%
324,000	750.0	$11,798.17	$12,464.46	$666.29	5.65%	$11,953.16	$11,931.93	-$21.22	-0.18%	$23,751.33	$24,396.39	$645.07	2.72%
432,000	750.0	$12,632.74	$13,299.03	$666.29	5.27%	$15,937.54	$15,909.24	-$28.30	-0.18%	$28,570.28	$29,208.28	$637.99	2.23%
432,000	1,500.0	$21,458.13	$22,781.63	$1,323.51	6.17%	$15,937.54	$15,909.24	-$28.30	-0.18%	$37,395.67	$38,690.88	$1,295.21	3.46%
540,000	1,500.0	$22,292.70	$23,616.20	$1,323.51	5.94%	$19,921.93	$19,886.56	-$35.37	-0.18%	$42,214.63	$43,502.76	$1,288.13	3.05%
648,000	1,500.0	$23,127.27	$24,450.78	$1,323.51	5.72%	$23,906.31	$23,863.87	-$42.45	-0.18%	$47,033.58	$48,314.64	$1,281.06	2.72%
864,000	1,500.0	$24,796.41	$26,119.92	$1,323.51	5.34%	$31,875.08	$31,818.49	-$56.59	-0.18%	$56,671.49	$57,938.41	$1,266.91	2.24%
576,000	2,000.0	$28,454.48	$30,216.13	$1,761.65	6.19%	$21,250.05	$21,212.33	-$37.73	-0.18%	$49,704.54	$51,428.46	$1,723.92	3.47%
720,000	2,000.0	$29,567.24	$31,328.89	$1,761.65	5.96%	$26,562.57	$26,515.41	-$47.16	-0.18%	$56,129.81	$57,844.30	$1,714.49	3.05%
864,000	2,000.0	$30,680.00	$32,441.65	$1,761.65	5.74%	$31,875.08	$31,818.49	-$56.59	-0.18%	$62,555.09	$64,260.14	$1,705.06	2.73%
1,152,000	2,000.0	$32,905.53	$34,667.18	$1,761.65	5.35%	$42,500.11	$42,424.65	-$75.46	-0.18%	$75,405.64	$77,091.83	$1,686.19	2.24%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$455.00	$463.80
Delivery Charge	$/kW	$11.21	$12.06
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.17	$0.17
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03030	$0.03030
Merchant Function Charge	$/kWh	$0.00046	$0.00040
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (SECONDARY) - SPECIAL PROVISION L
Central Region (Load Zones 2C, 3E and 31D)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,913.15	$1,989.29	$76.14	3.98%	$1,062.50	$1,060.62	-$1.89	-0.18%	$2,975.65	$3,049.91	$74.26	2.50%
36,000	100.0	$1,968.78	$2,044.93	$76.14	3.87%	$1,328.13	$1,325.77	-$2.36	-0.18%	$3,296.91	$3,370.70	$73.79	2.24%
43,200	100.0	$2,024.42	$2,100.57	$76.14	3.76%	$1,593.75	$1,590.92	-$2.83	-0.18%	$3,618.18	$3,691.49	$73.31	2.03%
57,600	100.0	$2,135.70	$2,211.84	$76.14	3.57%	$2,125.01	$2,121.23	-$3.77	-0.18%	$4,260.70	$4,333.08	$72.37	1.70%
66,240	230.0	$3,732.20	$3,922.26	$190.06	5.09%	$2,443.76	$2,439.42	-$4.34	-0.18%	$6,175.95	$6,361.68	$185.72	3.01%
82,800	230.0	$3,860.17	$4,050.23	$190.06	4.92%	$3,054.70	$3,049.27	-$5.42	-0.18%	$6,914.86	$7,099.50	$184.64	2.67%
99,360	230.0	$3,988.13	$4,178.20	$190.06	4.77%	$3,665.63	$3,659.13	-$6.51	-0.18%	$7,653.77	$7,837.32	$183.55	2.40%
132,480	230.0	$4,244.07	$4,434.13	$190.06	4.48%	$4,887.51	$4,878.83	-$8.68	-0.18%	$9,131.58	$9,312.97	$181.38	1.99%
100,800	350.0	$5,411.32	$5,706.54	$295.22	5.46%	$3,718.76	$3,712.16	-$6.60	-0.18%	$9,130.08	$9,418.70	$288.61	3.16%
126,000	350.0	$5,606.06	$5,901.27	$295.22	5.27%	$4,648.45	$4,640.20	-$8.25	-0.18%	$10,254.51	$10,541.47	$286.96	2.80%
151,200	350.0	$5,800.79	$6,096.01	$295.22	5.09%	$5,578.14	$5,568.24	-$9.90	-0.18%	$11,378.93	$11,664.24	$285.31	2.51%
201,600	350.0	$6,190.26	$6,485.47	$295.22	4.77%	$7,437.52	$7,424.31	-$13.21	-0.18%	$13,627.77	$13,909.79	$282.01	2.07%
144,000	500.0	$7,510.23	$7,936.89	$426.66	5.68%	$5,312.51	$5,303.08	-$9.43	-0.18%	$12,822.74	$13,239.97	$417.23	3.25%
180,000	500.0	$7,788.42	$8,215.08	$426.66	5.48%	$6,640.64	$6,628.85	-$11.79	-0.18%	$14,429.06	$14,843.93	$414.87	2.88%
216,000	500.0	$8,066.61	$8,493.27	$426.66	5.29%	$7,968.77	$7,954.62	-$14.15	-0.18%	$16,035.38	$16,447.89	$412.51	2.57%
288,000	500.0	$8,622.99	$9,049.65	$426.66	4.95%	$10,625.03	$10,606.16	-$18.86	-0.18%	$19,248.02	$19,655.81	$407.80	2.12%
216,000	750.0	$11,008.40	$11,654.14	$645.73	5.87%	$7,968.77	$7,954.62	-$14.15	-0.18%	$18,977.18	$19,608.76	$631.58	3.33%
270,000	750.0	$11,425.69	$12,071.42	$645.73	5.65%	$9,960.96	$9,943.28	-$17.69	-0.18%	$21,386.65	$22,014.70	$628.05	2.94%
324,000	750.0	$11,842.98	$12,488.71	$645.73	5.45%	$11,953.16	$11,931.93	-$21.22	-0.18%	$23,796.13	$24,420.64	$624.51	2.62%
432,000	750.0	$12,677.55	$13,323.28	$645.73	5.09%	$15,937.54	$15,909.24	-$28.30	-0.18%	$28,615.09	$29,232.52	$617.44	2.16%
432,000	1,500.0	$21,502.93	$22,805.88	$1,302.95	6.06%	$15,937.54	$15,909.24	-$28.30	-0.18%	$37,440.47	$38,715.13	$1,274.65	3.40%
540,000	1,500.0	$22,337.50	$23,640.45	$1,302.95	5.83%	$19,921.93	$19,886.56	-$35.37	-0.18%	$42,259.43	$43,527.01	$1,267.58	3.00%
648,000	1,500.0	$23,172.07	$24,475.02	$1,302.95	5.62%	$23,906.31	$23,863.87	-$42.45	-0.18%	$47,078.39	$48,338.89	$1,260.50	2.68%
864,000	1,500.0	$24,841.22	$26,144.17	$1,302.95	5.25%	$31,875.08	$31,818.49	-$56.59	-0.18%	$56,716.30	$57,962.65	$1,246.35	2.20%
576,000	2,000.0	$28,499.29	$30,240.38	$1,741.09	6.11%	$21,250.05	$21,212.33	-$37.73	-0.18%	$49,749.34	$51,452.70	$1,703.36	3.42%
720,000	2,000.0	$29,612.05	$31,353.14	$1,741.09	5.88%	$26,562.57	$26,515.41	-$47.16	-0.18%	$56,174.62	$57,868.55	$1,693.93	3.02%
864,000	2,000.0	$30,724.81	$32,465.90	$1,741.09	5.67%	$31,875.08	$31,818.49	-$56.59	-0.18%	$62,599.89	$64,284.39	$1,684.50	2.69%
1,152,000	2,000.0	$32,950.33	$34,691.42	$1,741.09	5.28%	$42,500.11	$42,424.65	-$75.46	-0.18%	$75,450.44	$77,116.07	$1,665.63	2.21%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$498.46	$487.32
Delivery Charge	$/kW	$11.21	$12.06
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.17	$0.17
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03030	$0.03030
Merchant Function Charge	$/kWh	$0.00046	$0.00040
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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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)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,714.43	$1,803.39	$88.97	5.19%	$1,045.26	$1,043.33	-$1.92	-0.18%	$2,759.68	$2,846.73	$87.05	3.15%
36,000	100.0	$1,770.06	$1,859.03	$88.97	5.03%	$1,306.57	$1,304.17	-$2.40	-0.18%	$3,076.63	$3,163.20	$86.56	2.81%
43,200	100.0	$1,825.70	$1,914.67	$88.97	4.87%	$1,567.88	$1,565.00	-$2.88	-0.18%	$3,393.58	$3,479.67	$86.08	2.54%
57,600	100.0	$1,936.98	$2,025.95	$88.97	4.59%	$2,090.51	$2,086.66	-$3.85	-0.18%	$4,027.49	$4,112.61	$85.12	2.11%
57,600	200.0	$2,978.64	$3,150.09	$171.44	5.76%	$2,090.51	$2,086.66	-$3.85	-0.18%	$5,069.16	$5,236.75	$167.60	3.31%
72,000	200.0	$3,089.92	$3,261.36	$171.44	5.55%	$2,613.14	$2,608.33	-$4.81	-0.18%	$5,703.06	$5,869.69	$166.64	2.92%
86,400	200.0	$3,201.20	$3,372.64	$171.44	5.36%	$3,135.77	$3,130.00	-$5.77	-0.18%	$6,336.96	$6,502.64	$165.67	2.61%
115,200	200.0	$3,423.75	$3,595.19	$171.44	5.01%	$4,181.02	$4,173.33	-$7.69	-0.18%	$7,604.77	$7,768.52	$163.75	2.15%
72,000	250.0	$3,610.75	$3,823.43	$212.68	5.89%	$2,613.14	$2,608.33	-$4.81	-0.18%	$6,223.89	$6,431.77	$207.87	3.34%
90,000	250.0	$3,749.85	$3,962.53	$212.68	5.67%	$3,266.42	$3,260.41	-$6.01	-0.18%	$7,016.27	$7,222.94	$206.67	2.95%
108,000	250.0	$3,888.94	$4,101.62	$212.68	5.47%	$3,919.71	$3,912.50	-$7.21	-0.18%	$7,808.65	$8,014.12	$205.47	2.63%
144,000	250.0	$4,167.13	$4,379.81	$212.68	5.10%	$5,226.28	$5,216.66	-$9.62	-0.18%	$9,393.41	$9,596.48	$203.06	2.16%
135,360	470.0	$6,392.04	$6,786.16	$394.12	6.17%	$4,912.70	$4,903.66	-$9.04	-0.18%	$11,304.74	$11,689.82	$385.08	3.41%
169,200	470.0	$6,653.53	$7,047.66	$394.12	5.92%	$6,140.88	$6,129.58	-$11.30	-0.18%	$12,794.41	$13,177.24	$382.82	2.99%
203,040	470.0	$6,915.03	$7,309.16	$394.12	5.70%	$7,369.05	$7,355.49	-$13.56	-0.18%	$14,284.09	$14,664.65	$380.56	2.66%
270,720	470.0	$7,438.03	$7,832.15	$394.12	5.30%	$9,825.40	$9,807.33	-$18.08	-0.18%	$17,263.43	$17,639.48	$376.04	2.18%
216,000	750.0	$9,931.85	$10,556.90	$625.05	6.29%	$7,839.42	$7,824.99	-$14.42	-0.18%	$17,771.27	$18,381.89	$610.63	3.44%
270,000	750.0	$10,349.13	$10,974.18	$625.05	6.04%	$9,799.27	$9,781.24	-$18.03	-0.18%	$20,148.41	$20,755.43	$607.02	3.01%
324,000	750.0	$10,766.42	$11,391.47	$625.05	5.81%	$11,759.13	$11,737.49	-$21.64	-0.18%	$22,525.55	$23,128.96	$603.41	2.68%
432,000	750.0	$11,600.99	$12,226.04	$625.05	5.39%	$15,678.84	$15,649.99	-$28.85	-0.18%	$27,279.83	$27,876.03	$596.20	2.19%
432,000	1,500.0	$19,413.49	$20,657.10	$1,243.61	6.41%	$15,678.84	$15,649.99	-$28.85	-0.18%	$35,092.33	$36,307.09	$1,214.76	3.46%
540,000	1,500.0	$20,248.06	$21,491.67	$1,243.61	6.14%	$19,598.55	$19,562.48	-$36.06	-0.18%	$39,846.61	$41,054.15	$1,207.55	3.03%
648,000	1,500.0	$21,082.63	$22,326.24	$1,243.61	5.90%	$23,518.25	$23,474.98	-$43.27	-0.18%	$44,600.89	$45,801.22	$1,200.33	2.69%
864,000	1,500.0	$22,751.77	$23,995.38	$1,243.61	5.47%	$31,357.67	$31,299.97	-$57.70	-0.18%	$54,109.45	$55,295.36	$1,185.91	2.19%
576,000	2,000.0	$25,734.58	$27,390.56	$1,655.98	6.43%	$20,905.11	$20,866.65	-$38.47	-0.18%	$46,639.70	$48,257.21	$1,617.51	3.47%
720,000	2,000.0	$26,847.35	$28,503.32	$1,655.98	6.17%	$26,131.39	$26,083.31	-$48.08	-0.18%	$52,978.74	$54,586.64	$1,607.90	3.03%
864,000	2,000.0	$27,960.11	$29,616.09	$1,655.98	5.92%	$31,357.67	$31,299.97	-$57.70	-0.18%	$59,317.78	$60,916.06	$1,598.28	2.69%
1,152,000	2,000.0	$30,185.63	$31,841.61	$1,655.98	5.49%	$41,810.23	$41,733.30	-$76.93	-0.18%	$71,995.86	$73,574.91	$1,579.05	2.19%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$436.70	$443.00
Delivery Charge	$/kW	$9.89	$10.69
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.18	$0.18
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.02972	$0.02972
Merchant Function Charge	$/kWh	$0.00046	$0.00039
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (PRIMARY) - SPECIAL PROVISION L
Central Region (Load Zones 2C, 3E and 31D)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,759.23	$1,827.64	$68.41	3.89%	$1,045.26	$1,043.33	-$1.92	-0.18%	$2,804.48	$2,870.97	$66.49	2.37%
36,000	100.0	$1,814.87	$1,883.28	$68.41	3.77%	$1,306.57	$1,304.17	-$2.40	-0.18%	$3,121.44	$3,187.45	$66.01	2.11%
43,200	100.0	$1,870.51	$1,938.92	$68.41	3.66%	$1,567.88	$1,565.00	-$2.88	-0.18%	$3,438.39	$3,503.92	$65.53	1.91%
57,600	100.0	$1,981.78	$2,050.19	$68.41	3.45%	$2,090.51	$2,086.66	-$3.85	-0.18%	$4,072.29	$4,136.86	$64.57	1.59%
57,600	200.0	$3,023.45	$3,174.33	$150.89	4.99%	$2,090.51	$2,086.66	-$3.85	-0.18%	$5,113.96	$5,261.00	$147.04	2.88%
72,000	200.0	$3,134.72	$3,285.61	$150.89	4.81%	$2,613.14	$2,608.33	-$4.81	-0.18%	$5,747.86	$5,893.94	$146.08	2.54%
86,400	200.0	$3,246.00	$3,396.89	$150.89	4.65%	$3,135.77	$3,130.00	-$5.77	-0.18%	$6,381.77	$6,526.88	$145.12	2.27%
115,200	200.0	$3,468.55	$3,619.44	$150.89	4.35%	$4,181.02	$4,173.33	-$7.69	-0.18%	$7,649.58	$7,792.77	$143.19	1.87%
72,000	250.0	$3,655.56	$3,847.68	$192.12	5.26%	$2,613.14	$2,608.33	-$4.81	-0.18%	$6,268.70	$6,456.01	$187.32	2.99%
90,000	250.0	$3,794.65	$3,986.78	$192.12	5.06%	$3,266.42	$3,260.41	-$6.01	-0.18%	$7,061.08	$7,247.19	$186.11	2.64%
108,000	250.0	$3,933.75	$4,125.87	$192.12	4.88%	$3,919.71	$3,912.50	-$7.21	-0.18%	$7,853.46	$8,038.37	$184.91	2.35%
144,000	250.0	$4,211.94	$4,404.06	$192.12	4.56%	$5,226.28	$5,216.66	-$9.62	-0.18%	$9,438.22	$9,620.72	$182.51	1.93%
135,360	470.0	$6,436.84	$6,810.41	$373.57	5.80%	$4,912.70	$4,903.66	-$9.04	-0.18%	$11,349.54	$11,714.07	$364.53	3.21%
169,200	470.0	$6,698.34	$7,071.91	$373.57	5.58%	$6,140.88	$6,129.58	-$11.30	-0.18%	$12,839.22	$13,201.48	$362.27	2.82%
203,040	470.0	$6,959.84	$7,333.40	$373.57	5.37%	$7,369.05	$7,355.49	-$13.56	-0.18%	$14,328.89	$14,688.90	$360.01	2.51%
270,720	470.0	$7,482.83	$7,856.40	$373.57	4.99%	$9,825.40	$9,807.33	-$18.08	-0.18%	$17,308.24	$17,663.73	$355.49	2.05%
216,000	750.0	$9,976.65	$10,581.15	$604.49	6.06%	$7,839.42	$7,824.99	-$14.42	-0.18%	$17,816.07	$18,406.14	$590.07	3.31%
270,000	750.0	$10,393.94	$10,998.43	$604.49	5.82%	$9,799.27	$9,781.24	-$18.03	-0.18%	$20,193.21	$20,779.67	$586.46	2.90%
324,000	750.0	$10,811.22	$11,415.72	$604.49	5.59%	$11,759.13	$11,737.49	-$21.64	-0.18%	$22,570.35	$23,153.21	$582.86	2.58%
432,000	750.0	$11,645.79	$12,250.29	$604.49	5.19%	$15,678.84	$15,649.99	-$28.85	-0.18%	$27,324.63	$27,900.28	$575.65	2.11%
432,000	1,500.0	$19,458.29	$20,681.35	$1,223.05	6.29%	$15,678.84	$15,649.99	-$28.85	-0.18%	$35,137.13	$36,331.33	$1,194.20	3.40%
540,000	1,500.0	$20,292.86	$21,515.92	$1,223.05	6.03%	$19,598.55	$19,562.48	-$36.06	-0.18%	$39,891.41	$41,078.40	$1,186.99	2.98%
648,000	1,500.0	$21,127.44	$22,350.49	$1,223.05	5.79%	$23,518.25	$23,474.98	-$43.27	-0.18%	$44,645.69	$45,825.47	$1,179.78	2.64%
864,000	1,500.0	$22,796.58	$24,019.63	$1,223.05	5.37%	$31,357.67	$31,299.97	-$57.70	-0.18%	$54,154.25	$55,319.60	$1,165.35	2.15%
576,000	2,000.0	$25,779.39	$27,414.81	$1,635.42	6.34%	$20,905.11	$20,866.65	-$38.47	-0.18%	$46,684.50	$48,281.46	$1,596.96	3.42%
720,000	2,000.0	$26,892.15	$28,527.57	$1,635.42	6.08%	$26,131.39	$26,083.31	-$48.08	-0.18%	$53,023.54	$54,610.88	$1,587.34	2.99%
864,000	2,000.0	$28,004.91	$29,640.33	$1,635.42	5.84%	$31,357.67	$31,299.97	-$57.70	-0.18%	$59,362.58	$60,940.31	$1,577.72	2.66%
1,152,000	2,000.0	$30,230.43	$31,865.86	$1,635.42	5.41%	$41,810.23	$41,733.30	-$76.93	-0.18%	$72,040.66	$73,599.15	$1,558.49	2.16%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$480.16	$466.52
Delivery Charge	$/kW	$9.89	$10.69
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.18	$0.18
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.02972	$0.02972
Merchant Function Charge	$/kWh	$0.00046	$0.00039
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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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)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,359.24	$1,419.96	$60.72	4.47%	$1,026.91	$1,024.95	-$1.96	-0.19%	$2,386.15	$2,444.91	$58.76	2.46%
36,000	100.0	$1,414.87	$1,475.60	$60.72	4.29%	$1,283.64	$1,281.19	-$2.45	-0.19%	$2,698.51	$2,756.78	$58.27	2.16%
43,200	100.0	$1,470.51	$1,531.23	$60.72	4.13%	$1,540.37	$1,537.42	-$2.94	-0.19%	$3,010.88	$3,068.66	$57.78	1.92%
57,600	100.0	$1,581.79	$1,642.51	$60.72	3.84%	$2,053.82	$2,049.90	-$3.92	-0.19%	$3,635.61	$3,692.41	$56.80	1.56%
57,600	200.0	$1,908.16	$2,011.15	$102.99	5.40%	$2,053.82	$2,049.90	-$3.92	-0.19%	$3,961.99	$4,061.05	$99.06	2.50%
72,000	200.0	$2,019.44	$2,122.43	$102.99	5.10%	$2,567.28	$2,562.37	-$4.91	-0.19%	$4,586.72	$4,684.80	$98.08	2.14%
86,400	200.0	$2,130.72	$2,233.70	$102.99	4.83%	$3,080.74	$3,074.85	-$5.89	-0.19%	$5,211.45	$5,308.55	$97.10	1.86%
115,200	200.0	$2,353.27	$2,456.26	$102.99	4.38%	$4,107.65	$4,099.80	-$7.85	-0.19%	$6,460.91	$6,556.05	$95.14	1.47%
72,000	250.0	$2,182.63	$2,306.75	$124.12	5.69%	$2,567.28	$2,562.37	-$4.91	-0.19%	$4,749.91	$4,869.12	$119.22	2.51%
90,000	250.0	$2,321.72	$2,445.85	$124.12	5.35%	$3,209.10	$3,202.97	-$6.13	-0.19%	$5,530.82	$5,648.81	$117.99	2.13%
108,000	250.0	$2,460.82	$2,584.94	$124.12	5.04%	$3,850.92	$3,843.56	-$7.36	-0.19%	$6,311.74	$6,428.50	$116.76	1.85%
144,000	250.0	$2,739.01	$2,863.13	$124.12	4.53%	$5,134.56	$5,124.75	-$9.81	-0.19%	$7,873.57	$7,987.88	$114.31	1.45%
144,000	500.0	$3,554.94	$3,784.74	$229.79	6.46%	$5,134.56	$5,124.75	-$9.81	-0.19%	$8,689.50	$8,909.48	$219.98	2.53%
180,000	500.0	$3,833.13	$4,062.93	$229.79	5.99%	$6,418.20	$6,405.93	-$12.27	-0.19%	$10,251.33	$10,468.86	$217.53	2.12%
216,000	500.0	$4,111.32	$4,341.12	$229.79	5.59%	$7,701.84	$7,687.12	-$14.72	-0.19%	$11,813.16	$12,028.24	$215.08	1.82%
288,000	500.0	$4,667.70	$4,897.50	$229.79	4.92%	$10,269.12	$10,249.49	-$19.62	-0.19%	$14,936.82	$15,146.99	$210.17	1.41%
218,880	760.0	$4,982.15	$5,321.84	$339.69	6.82%	$7,804.53	$7,789.61	-$14.91	-0.19%	$12,786.68	$13,111.46	$324.78	2.54%
273,600	760.0	$5,405.00	$5,744.69	$339.69	6.28%	$9,755.66	$9,737.02	-$18.64	-0.19%	$15,160.66	$15,481.71	$321.05	2.12%
328,320	760.0	$5,827.85	$6,167.54	$339.69	5.83%	$11,706.79	$11,684.42	-$22.37	-0.19%	$17,534.65	$17,851.96	$317.32	1.81%
437,760	760.0	$6,673.55	$7,013.24	$339.69	5.09%	$15,609.06	$15,579.23	-$29.83	-0.19%	$22,282.61	$22,592.47	$309.86	1.39%
432,000	1,500.0	$9,044.21	$9,696.69	$652.47	7.21%	$15,403.68	$15,374.24	-$29.44	-0.19%	$24,447.89	$25,070.93	$623.04	2.55%
540,000	1,500.0	$9,878.78	$10,531.26	$652.47	6.60%	$19,254.59	$19,217.80	-$36.80	-0.19%	$29,133.38	$29,749.06	$615.68	2.11%
648,000	1,500.0	$10,713.35	$11,365.83	$652.47	6.09%	$23,105.51	$23,061.36	-$44.15	-0.19%	$33,818.87	$34,427.19	$608.32	1.80%
864,000	1,500.0	$12,382.49	$13,034.97	$652.47	5.27%	$30,807.35	$30,748.48	-$58.87	-0.19%	$43,189.85	$43,783.45	$593.60	1.37%
576,000	2,000.0	$11,788.85	$12,652.66	$863.81	7.33%	$20,538.23	$20,498.99	-$39.25	-0.19%	$32,327.08	$33,151.65	$824.57	2.55%
720,000	2,000.0	$12,901.61	$13,765.42	$863.81	6.70%	$25,672.79	$25,623.73	-$49.06	-0.19%	$38,574.40	$39,389.15	$814.75	2.11%
864,000	2,000.0	$14,014.37	$14,878.18	$863.81	6.16%	$30,807.35	$30,748.48	-$58.87	-0.19%	$44,821.72	$45,626.66	$804.94	1.80%
1,152,000	2,000.0	$16,239.89	$17,103.70	$863.81	5.32%	$41,076.47	$40,997.97	-$78.50	-0.19%	$57,316.36	$58,101.68	$785.32	1.37%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$786.00	$803.90
Delivery Charge	$/kW	$2.99	$3.40
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.02909	$0.02909
Merchant Function Charge	$/kWh	$0.00046	$0.00039
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION) - SPECIAL PROVISION L
Central Region (Load Zones 2C, 3E and 31D)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,404.04	$1,444.21	$40.16	2.86%	$1,026.91	$1,024.95	-$1.96	-0.19%	$2,430.95	$2,469.15	$38.20	1.57%
36,000	100.0	$1,459.68	$1,499.84	$40.16	2.75%	$1,283.64	$1,281.19	-$2.45	-0.19%	$2,743.32	$2,781.03	$37.71	1.37%
43,200	100.0	$1,515.32	$1,555.48	$40.16	2.65%	$1,540.37	$1,537.42	-$2.94	-0.19%	$3,055.68	$3,092.91	$37.22	1.22%
57,600	100.0	$1,626.59	$1,666.76	$40.16	2.47%	$2,053.82	$2,049.90	-$3.92	-0.19%	$3,680.42	$3,716.66	$36.24	0.98%
57,600	200.0	$1,952.97	$2,035.40	$82.43	4.22%	$2,053.82	$2,049.90	-$3.92	-0.19%	$4,006.79	$4,085.30	$78.51	1.96%
72,000	200.0	$2,064.24	$2,146.68	$82.43	3.99%	$2,567.28	$2,562.37	-$4.91	-0.19%	$4,631.52	$4,709.05	$77.53	1.67%
86,400	200.0	$2,175.52	$2,257.95	$82.43	3.79%	$3,080.74	$3,074.85	-$5.89	-0.19%	$5,256.25	$5,332.80	$76.55	1.46%
115,200	200.0	$2,398.07	$2,480.50	$82.43	3.44%	$4,107.65	$4,099.80	-$7.85	-0.19%	$6,505.72	$6,580.30	$74.58	1.15%
72,000	250.0	$2,227.43	$2,331.00	$103.57	4.65%	$2,567.28	$2,562.37	-$4.91	-0.19%	$4,794.71	$4,893.37	$98.66	2.06%
90,000	250.0	$2,366.53	$2,470.09	$103.57	4.38%	$3,209.10	$3,202.97	-$6.13	-0.19%	$5,575.62	$5,673.06	$97.43	1.75%
108,000	250.0	$2,505.62	$2,609.19	$103.57	4.13%	$3,850.92	$3,843.56	-$7.36	-0.19%	$6,356.54	$6,452.75	$96.21	1.51%
144,000	250.0	$2,783.81	$2,887.38	$103.57	3.72%	$5,134.56	$5,124.75	-$9.81	-0.19%	$7,918.37	$8,012.12	$93.75	1.18%
144,000	500.0	$3,599.75	$3,808.98	$209.24	5.81%	$5,134.56	$5,124.75	-$9.81	-0.19%	$8,734.31	$8,933.73	$199.43	2.28%
180,000	500.0	$3,877.94	$4,087.17	$209.24	5.40%	$6,418.20	$6,405.93	-$12.27	-0.19%	$10,296.14	$10,493.11	$196.97	1.91%
216,000	500.0	$4,156.13	$4,365.37	$209.24	5.03%	$7,701.84	$7,687.12	-$14.72	-0.19%	$11,857.97	$12,052.48	$194.52	1.64%
288,000	500.0	$4,712.51	$4,921.75	$209.24	4.44%	$10,269.12	$10,249.49	-$19.62	-0.19%	$14,981.63	$15,171.24	$189.61	1.27%
218,880	760.0	$5,026.96	$5,346.09	$319.13	6.35%	$7,804.53	$7,789.61	-$14.91	-0.19%	$12,831.49	$13,135.71	$304.22	2.37%
273,600	760.0	$5,449.81	$5,768.94	$319.13	5.86%	$9,755.66	$9,737.02	-$18.64	-0.19%	$15,205.47	$15,505.96	$300.49	1.98%
328,320	760.0	$5,872.66	$6,191.79	$319.13	5.43%	$11,706.79	$11,684.42	-$22.37	-0.19%	$17,579.45	$17,876.21	$296.76	1.69%
437,760	760.0	$6,718.35	$7,037.49	$319.13	4.75%	$15,609.06	$15,579.23	-$29.83	-0.19%	$22,327.41	$22,616.72	$289.31	1.30%
432,000	1,500.0	$9,089.02	$9,720.93	$631.92	6.95%	$15,403.68	$15,374.24	-$29.44	-0.19%	$24,492.69	$25,095.17	$602.48	2.46%
540,000	1,500.0	$9,923.59	$10,555.50	$631.92	6.37%	$19,254.59	$19,217.80	-$36.80	-0.19%	$29,178.18	$29,773.30	$595.12	2.04%
648,000	1,500.0	$10,758.16	$11,390.07	$631.92	5.87%	$23,105.51	$23,061.36	-$44.15	-0.19%	$33,863.67	$34,451.43	$587.76	1.74%
864,000	1,500.0	$12,427.30	$13,059.22	$631.92	5.08%	$30,807.35	$30,748.48	-$58.87	-0.19%	$43,234.65	$43,807.70	$573.04	1.33%
576,000	2,000.0	$11,833.65	$12,676.91	$843.26	7.13%	$20,538.23	$20,498.99	-$39.25	-0.19%	$32,371.88	$33,175.89	$804.01	2.48%
720,000	2,000.0	$12,946.41	$13,789.67	$843.26	6.51%	$25,672.79	$25,623.73	-$49.06	-0.19%	$38,619.20	$39,413.40	$794.20	2.06%
864,000	2,000.0	$14,059.17	$14,902.43	$843.26	6.00%	$30,807.35	$30,748.48	-$58.87	-0.19%	$44,866.52	$45,650.91	$784.39	1.75%
1,152,000	2,000.0	$16,284.69	$17,127.95	$843.26	5.18%	$41,076.47	$40,997.97	-$78.50	-0.19%	$57,361.16	$58,125.92	$764.76	1.33%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$829.46	$827.42
Delivery Charge	$/kW	$2.99	$3.40
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.02909	$0.02909
Merchant Function Charge	$/kWh	$0.00046	$0.00039
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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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)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,359.24	$1,419.96	$60.72	4.47%	$979.05	$976.98	-$2.06	-0.21%	$2,338.28	$2,396.94	$58.66	2.51%
36,000	100.0	$1,414.87	$1,475.60	$60.72	4.29%	$1,223.81	$1,221.23	-$2.58	-0.21%	$2,638.68	$2,696.82	$58.14	2.20%
43,200	100.0	$1,470.51	$1,531.23	$60.72	4.13%	$1,468.57	$1,465.47	-$3.10	-0.21%	$2,939.08	$2,996.71	$57.62	1.96%
57,600	100.0	$1,581.79	$1,642.51	$60.72	3.84%	$1,958.10	$1,953.97	-$4.13	-0.21%	$3,539.88	$3,596.48	$56.59	1.60%
57,600	200.0	$1,908.16	$2,011.15	$102.99	5.40%	$1,958.10	$1,953.97	-$4.13	-0.21%	$3,866.26	$3,965.12	$98.86	2.56%
72,000	200.0	$2,019.44	$2,122.43	$102.99	5.10%	$2,447.62	$2,442.46	-$5.16	-0.21%	$4,467.06	$4,564.89	$97.83	2.19%
86,400	200.0	$2,130.72	$2,233.70	$102.99	4.83%	$2,937.14	$2,930.95	-$6.19	-0.21%	$5,067.86	$5,164.65	$96.80	1.91%
115,200	200.0	$2,353.27	$2,456.26	$102.99	4.38%	$3,916.19	$3,907.93	-$8.26	-0.21%	$6,269.46	$6,364.19	$94.73	1.51%
72,000	250.0	$2,182.63	$2,306.75	$124.12	5.69%	$2,447.62	$2,442.46	-$5.16	-0.21%	$4,630.25	$4,749.21	$118.96	2.57%
90,000	250.0	$2,321.72	$2,445.85	$124.12	5.35%	$3,059.52	$3,053.07	-$6.45	-0.21%	$5,381.25	$5,498.92	$117.67	2.19%
108,000	250.0	$2,460.82	$2,584.94	$124.12	5.04%	$3,671.43	$3,663.69	-$7.74	-0.21%	$6,132.25	$6,248.63	$116.38	1.90%
144,000	250.0	$2,739.01	$2,863.13	$124.12	4.53%	$4,895.24	$4,884.92	-$10.32	-0.21%	$7,634.25	$7,748.05	$113.80	1.49%
144,000	500.0	$3,554.94	$3,784.74	$229.79	6.46%	$4,895.24	$4,884.92	-$10.32	-0.21%	$8,450.18	$8,669.65	$219.47	2.60%
180,000	500.0	$3,833.13	$4,062.93	$229.79	5.99%	$6,119.05	$6,106.15	-$12.90	-0.21%	$9,952.18	$10,169.07	$216.89	2.18%
216,000	500.0	$4,111.32	$4,341.12	$229.79	5.59%	$7,342.86	$7,327.37	-$15.48	-0.21%	$11,454.18	$11,668.49	$214.31	1.87%
288,000	500.0	$4,667.70	$4,897.50	$229.79	4.92%	$9,790.48	$9,769.83	-$20.65	-0.21%	$14,458.18	$14,667.33	$209.15	1.45%
273,600	950.0	$6,025.11	$6,445.11	$420.00	6.97%	$9,300.96	$9,281.34	-$19.61	-0.21%	$15,326.07	$15,726.46	$400.39	2.61%
342,000	950.0	$6,553.68	$6,973.68	$420.00	6.41%	$11,626.19	$11,601.68	-$24.52	-0.21%	$18,179.87	$18,575.35	$395.48	2.18%
410,400	950.0	$7,082.24	$7,502.24	$420.00	5.93%	$13,951.43	$13,922.01	-$29.42	-0.21%	$21,033.67	$21,424.25	$390.58	1.86%
547,200	950.0	$8,139.36	$8,559.36	$420.00	5.16%	$18,601.91	$18,562.68	-$39.23	-0.21%	$26,741.27	$27,122.04	$380.77	1.42%
432,000	1,500.0	$9,044.21	$9,696.69	$652.47	7.21%	$14,685.72	$14,654.75	-$30.97	-0.21%	$23,729.93	$24,351.44	$621.51	2.62%
540,000	1,500.0	$9,878.78	$10,531.26	$652.47	6.60%	$18,357.15	$18,318.44	-$38.71	-0.21%	$28,235.93	$28,849.69	$613.76	2.17%
648,000	1,500.0	$10,713.35	$11,365.83	$652.47	6.09%	$22,028.58	$21,982.12	-$46.45	-0.21%	$32,741.93	$33,347.95	$606.02	1.85%
864,000	1,500.0	$12,382.49	$13,034.97	$652.47	5.27%	$29,371.44	$29,309.50	-$61.94	-0.21%	$41,753.93	$42,344.47	$590.54	1.41%
576,000	2,000.0	$11,788.85	$12,652.66	$863.81	7.33%	$19,580.96	$19,539.67	-$41.29	-0.21%	$31,369.80	$32,192.33	$822.52	2.62%
720,000	2,000.0	$12,901.61	$13,765.42	$863.81	6.70%	$24,476.20	$24,424.58	-$51.61	-0.21%	$37,377.80	$38,190.00	$812.20	2.17%
864,000	2,000.0	$14,014.37	$14,878.18	$863.81	6.16%	$29,371.44	$29,309.50	-$61.94	-0.21%	$43,385.81	$44,187.68	$801.88	1.85%
1,152,000	2,000.0	$16,239.89	$17,103.70	$863.81	5.32%	$39,161.92	$39,079.33	-$82.58	-0.21%	$55,401.81	$56,183.04	$781.23	1.41%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$786.00	$803.90
Delivery Charge	$/kW	$2.99	$3.40
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.02746	$0.02746
Merchant Function Charge	$/kWh	$0.00044	$0.00037
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (TRANSMISSION) - SPECIAL PROVISION L
Central Region (Load Zones 2C, 3E and 31D)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,404.04	$1,444.21	$40.16	2.86%	$979.05	$976.98	-$2.06	-0.21%	$2,383.09	$2,421.19	$38.10	1.60%
36,000	100.0	$1,459.68	$1,499.84	$40.16	2.75%	$1,223.81	$1,221.23	-$2.58	-0.21%	$2,683.49	$2,721.07	$37.58	1.40%
43,200	100.0	$1,515.32	$1,555.48	$40.16	2.65%	$1,468.57	$1,465.47	-$3.10	-0.21%	$2,983.89	$3,020.96	$37.07	1.24%
57,600	100.0	$1,626.59	$1,666.76	$40.16	2.47%	$1,958.10	$1,953.97	-$4.13	-0.21%	$3,584.69	$3,620.72	$36.04	1.01%
57,600	200.0	$1,952.97	$2,035.40	$82.43	4.22%	$1,958.10	$1,953.97	-$4.13	-0.21%	$3,911.06	$3,989.37	$78.30	2.00%
72,000	200.0	$2,064.24	$2,146.68	$82.43	3.99%	$2,447.62	$2,442.46	-$5.16	-0.21%	$4,511.86	$4,589.13	$77.27	1.71%
86,400	200.0	$2,175.52	$2,257.95	$82.43	3.79%	$2,937.14	$2,930.95	-$6.19	-0.21%	$5,112.66	$5,188.90	$76.24	1.49%
115,200	200.0	$2,398.07	$2,480.50	$82.43	3.44%	$3,916.19	$3,907.93	-$8.26	-0.21%	$6,314.26	$6,388.44	$74.17	1.17%
72,000	250.0	$2,227.43	$2,331.00	$103.57	4.65%	$2,447.62	$2,442.46	-$5.16	-0.21%	$4,675.05	$4,773.46	$98.41	2.10%
90,000	250.0	$2,366.53	$2,470.09	$103.57	4.38%	$3,059.52	$3,053.07	-$6.45	-0.21%	$5,426.05	$5,523.17	$97.12	1.79%
108,000	250.0	$2,505.62	$2,609.19	$103.57	4.13%	$3,671.43	$3,663.69	-$7.74	-0.21%	$6,177.05	$6,272.88	$95.82	1.55%
144,000	250.0	$2,783.81	$2,887.38	$103.57	3.72%	$4,895.24	$4,884.92	-$10.32	-0.21%	$7,679.05	$7,772.29	$93.24	1.21%
144,000	500.0	$3,599.75	$3,808.98	$209.24	5.81%	$4,895.24	$4,884.92	-$10.32	-0.21%	$8,494.99	$8,693.90	$198.91	2.34%
180,000	500.0	$3,877.94	$4,087.17	$209.24	5.40%	$6,119.05	$6,106.15	-$12.90	-0.21%	$9,996.99	$10,193.32	$196.33	1.96%
216,000	500.0	$4,156.13	$4,365.37	$209.24	5.03%	$7,342.86	$7,327.37	-$15.48	-0.21%	$11,498.99	$11,692.74	$193.75	1.68%
288,000	500.0	$4,712.51	$4,921.75	$209.24	4.44%	$9,790.48	$9,769.83	-$20.65	-0.21%	$14,502.99	$14,691.58	$188.59	1.30%
273,600	950.0	$6,069.92	$6,469.36	$399.44	6.58%	$9,300.96	$9,281.34	-$19.61	-0.21%	$15,370.87	$15,750.70	$379.83	2.47%
342,000	950.0	$6,598.48	$6,997.92	$399.44	6.05%	$11,626.19	$11,601.68	-$24.52	-0.21%	$18,224.67	$18,599.60	$374.93	2.06%
410,400	950.0	$7,127.04	$7,526.48	$399.44	5.60%	$13,951.43	$13,922.01	-$29.42	-0.21%	$21,078.47	$21,448.50	$370.02	1.76%
547,200	950.0	$8,184.16	$8,583.61	$399.44	4.88%	$18,601.91	$18,562.68	-$39.23	-0.21%	$26,786.07	$27,146.29	$360.22	1.34%
432,000	1,500.0	$9,089.02	$9,720.93	$631.92	6.95%	$14,685.72	$14,654.75	-$30.97	-0.21%	$23,774.73	$24,375.68	$600.95	2.53%
540,000	1,500.0	$9,923.59	$10,555.50	$631.92	6.37%	$18,357.15	$18,318.44	-$38.71	-0.21%	$28,280.73	$28,873.94	$593.21	2.10%
648,000	1,500.0	$10,758.16	$11,390.07	$631.92	5.87%	$22,028.58	$21,982.12	-$46.45	-0.21%	$32,786.74	$33,372.20	$585.46	1.79%
864,000	1,500.0	$12,427.30	$13,059.22	$631.92	5.08%	$29,371.44	$29,309.50	-$61.94	-0.21%	$41,798.74	$42,368.72	$569.98	1.36%
576,000	2,000.0	$11,833.65	$12,676.91	$843.26	7.13%	$19,580.96	$19,539.67	-$41.29	-0.21%	$31,414.61	$32,216.57	$801.97	2.55%
720,000	2,000.0	$12,946.41	$13,789.67	$843.26	6.51%	$24,476.20	$24,424.58	-$51.61	-0.21%	$37,422.61	$38,214.25	$791.64	2.12%
864,000	2,000.0	$14,059.17	$14,902.43	$843.26	6.00%	$29,371.44	$29,309.50	-$61.94	-0.21%	$43,430.61	$44,211.93	$781.32	1.80%
1,152,000	2,000.0	$16,284.69	$17,127.95	$843.26	5.18%	$39,161.92	$39,079.33	-$82.58	-0.21%	$55,446.61	$56,207.29	$760.67	1.37%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$829.46	$827.42
Delivery Charge	$/kW	$2.99	$3.40
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.02746	$0.02746
Merchant Function Charge	$/kWh	$0.00044	$0.00037
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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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)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
547,200	60%	1,900.0	$27,746.96	$29,646.96	$1,900.00	6.85%	$20,676.21	$20,639.52	-$36.69	-0.18%	$48,423.17	$50,286.48	$1,863.31	3.85%
547,200	50%	1,900.0	$27,746.96	$29,646.96	$1,900.00	6.85%	$19,900.27	$19,863.58	-$36.69	-0.18%	$47,647.23	$49,510.54	$1,863.31	3.91%
547,200	40%	1,900.0	$27,746.96	$29,646.96	$1,900.00	6.85%	$19,124.33	$19,087.64	-$36.69	-0.19%	$46,871.29	$48,734.60	$1,863.31	3.98%
820,800	60%	1,900.0	$29,861.21	$31,761.21	$1,900.00	6.36%	$31,014.31	$30,959.27	-$55.04	-0.18%	$60,875.52	$62,720.48	$1,844.96	3.03%
820,800	50%	1,900.0	$29,861.21	$31,761.21	$1,900.00	6.36%	$29,850.40	$29,795.37	-$55.04	-0.18%	$59,711.61	$61,556.58	$1,844.96	3.09%
820,800	40%	1,900.0	$29,861.21	$31,761.21	$1,900.00	6.36%	$28,686.50	$28,631.46	-$55.04	-0.19%	$58,547.71	$60,392.67	$1,844.96	3.15%
1,094,400	60%	1,900.0	$31,975.46	$33,875.46	$1,900.00	5.94%	$41,352.42	$41,279.03	-$73.38	-0.18%	$73,327.87	$75,154.49	$1,826.62	2.49%
1,094,400	50%	1,900.0	$31,975.46	$33,875.46	$1,900.00	5.94%	$39,800.54	$39,727.16	-$73.38	-0.18%	$71,776.00	$73,602.61	$1,826.62	2.54%
1,094,400	40%	1,900.0	$31,975.46	$33,875.46	$1,900.00	5.94%	$38,248.66	$38,175.28	-$73.38	-0.19%	$70,224.12	$72,050.73	$1,826.62	2.60%
633,600	60%	2,200.0	$31,802.51	$33,996.32	$2,193.81	6.90%	$23,940.87	$23,898.39	-$42.49	-0.18%	$55,743.38	$57,894.71	$2,151.33	3.86%
633,600	50%	2,200.0	$31,802.51	$33,996.32	$2,193.81	6.90%	$23,042.42	$22,999.93	-$42.49	-0.18%	$54,844.92	$56,996.25	$2,151.33	3.92%
633,600	40%	2,200.0	$31,802.51	$33,996.32	$2,193.81	6.90%	$22,143.96	$22,101.48	-$42.49	-0.19%	$53,946.47	$56,097.80	$2,151.33	3.99%
950,400	60%	2,200.0	$34,250.58	$36,444.40	$2,193.81	6.41%	$35,911.31	$35,847.58	-$63.73	-0.18%	$70,161.89	$72,291.98	$2,130.09	3.04%
950,400	50%	2,200.0	$34,250.58	$36,444.40	$2,193.81	6.41%	$34,563.63	$34,499.90	-$63.73	-0.18%	$68,814.21	$70,944.29	$2,130.09	3.10%
950,400	40%	2,200.0	$34,250.58	$36,444.40	$2,193.81	6.41%	$33,215.94	$33,152.22	-$63.73	-0.19%	$67,466.52	$69,596.61	$2,130.09	3.16%
1,267,200	60%	2,200.0	$36,698.66	$38,892.47	$2,193.81	5.98%	$47,881.75	$47,796.78	-$84.97	-0.18%	$84,580.40	$86,689.25	$2,108.84	2.49%
1,267,200	50%	2,200.0	$36,698.66	$38,892.47	$2,193.81	5.98%	$46,084.83	$45,999.86	-$84.97	-0.18%	$82,783.49	$84,892.33	$2,108.84	2.55%
1,267,200	40%	2,200.0	$36,698.66	$38,892.47	$2,193.81	5.98%	$44,287.92	$44,202.95	-$84.97	-0.19%	$80,986.58	$83,095.42	$2,108.84	2.60%
1,008,000	60%	3,500.0	$49,376.53	$52,843.54	$3,467.01	7.02%	$38,087.75	$38,020.16	-$67.59	-0.18%	$87,464.28	$90,863.70	$3,399.42	3.89%
1,008,000	50%	3,500.0	$49,376.53	$52,843.54	$3,467.01	7.02%	$36,658.39	$36,590.80	-$67.59	-0.18%	$86,034.92	$89,434.34	$3,399.42	3.95%
1,008,000	40%	3,500.0	$49,376.53	$52,843.54	$3,467.01	7.02%	$35,229.03	$35,161.44	-$67.59	-0.19%	$84,605.56	$88,004.98	$3,399.42	4.02%
1,512,000	60%	3,500.0	$53,271.19	$56,738.20	$3,467.01	6.51%	$57,131.63	$57,030.24	-$101.38	-0.18%	$110,402.82	$113,768.45	$3,365.63	3.05%
1,512,000	50%	3,500.0	$53,271.19	$56,738.20	$3,467.01	6.51%	$54,987.59	$54,886.20	-$101.38	-0.18%	$108,258.78	$111,624.40	$3,365.63	3.11%
1,512,000	40%	3,500.0	$53,271.19	$56,738.20	$3,467.01	6.51%	$52,843.55	$52,742.16	-$101.38	-0.19%	$106,114.74	$109,480.36	$3,365.63	3.17%
2,016,000	60%	3,500.0	$57,165.86	$60,632.87	$3,467.01	6.06%	$76,175.50	$76,040.32	-$135.18	-0.18%	$133,341.36	$136,673.19	$3,331.83	2.50%
2,016,000	50%	3,500.0	$57,165.86	$60,632.87	$3,467.01	6.06%	$73,316.78	$73,181.60	-$135.18	-0.18%	$130,482.64	$133,814.47	$3,331.83	2.55%
2,016,000	40%	3,500.0	$57,165.86	$60,632.87	$3,467.01	6.06%	$70,458.06	$70,322.88	-$135.18	-0.19%	$127,623.92	$130,955.75	$3,331.83	2.61%
1,152,000	60%	4,000.0	$56,135.77	$60,092.47	$3,956.70	7.05%	$43,528.86	$43,451.61	-$77.25	-0.18%	$99,664.63	$103,544.08	$3,879.46	3.89%
1,152,000	50%	4,000.0	$56,135.77	$60,092.47	$3,956.70	7.05%	$41,895.30	$41,818.06	-$77.25	-0.18%	$98,031.07	$101,910.53	$3,879.46	3.96%
1,152,000	40%	4,000.0	$56,135.77	$60,092.47	$3,956.70	7.05%	$40,261.75	$40,184.50	-$77.25	-0.19%	$96,397.52	$100,276.97	$3,879.46	4.02%
1,728,000	60%	4,000.0	$60,586.81	$64,543.51	$3,956.70	6.53%	$65,293.29	$65,177.42	-$115.87	-0.18%	$125,880.10	$129,720.93	$3,840.83	3.05%
1,728,000	50%	4,000.0	$60,586.81	$64,543.51	$3,956.70	6.53%	$62,842.96	$62,727.09	-$115.87	-0.18%	$123,429.77	$127,270.60	$3,840.83	3.11%
1,728,000	40%	4,000.0	$60,586.81	$64,543.51	$3,956.70	6.53%	$60,392.62	$60,276.76	-$115.87	-0.19%	$120,979.44	$124,820.27	$3,840.83	3.17%
2,304,000	60%	4,000.0	$65,037.86	$68,994.56	$3,956.70	6.08%	$87,057.72	$86,903.23	-$154.49	-0.18%	$152,095.58	$155,897.78	$3,802.21	2.50%
2,304,000	50%	4,000.0	$65,037.86	$68,994.56	$3,956.70	6.08%	$83,790.61	$83,636.12	-$154.49	-0.18%	$148,828.46	$152,630.67	$3,802.21	2.55%
2,304,000	40%	4,000.0	$65,037.86	$68,994.56	$3,956.70	6.08%	$80,523.50	$80,369.01	-$154.49	-0.19%	$145,561.35	$149,363.56	$3,802.21	2.61%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$2,000.00	$2,038.00
Delivery Charge	$/kW	$10.77	$11.72
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.15	$0.15
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.03681	$0.03681
Energy Charge Off-peak (includes capacity)	$/kWh	$0.02277	$0.02277
Merchant Function Charge	$/kWh	$0.00046	$0.00039
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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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)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
777,600	60%	2,700.0	$38,561.75	$41,245.25	$2,683.51	6.96%	$28,454.73	$28,400.83	-$53.90	-0.19%	$67,016.47	$69,646.08	$2,629.61	3.92%
777,600	50%	2,700.0	$38,561.75	$41,245.25	$2,683.51	6.96%	$27,442.37	$27,388.47	-$53.90	-0.20%	$66,004.12	$68,633.72	$2,629.61	3.98%
777,600	40%	2,700.0	$38,561.75	$41,245.25	$2,683.51	6.96%	$26,430.01	$26,376.11	-$53.90	-0.20%	$64,991.76	$67,621.36	$2,629.61	4.05%
1,166,400	60%	2,700.0	$41,566.20	$44,249.71	$2,683.51	6.46%	$42,682.09	$42,601.25	-$80.85	-0.19%	$84,248.29	$86,850.95	$2,602.66	3.09%
1,166,400	50%	2,700.0	$41,566.20	$44,249.71	$2,683.51	6.46%	$41,163.56	$41,082.71	-$80.85	-0.20%	$82,729.76	$85,332.41	$2,602.66	3.15%
1,166,400	40%	2,700.0	$41,566.20	$44,249.71	$2,683.51	6.46%	$39,645.02	$39,564.17	-$80.85	-0.20%	$81,211.22	$83,813.88	$2,602.66	3.20%
1,555,200	60%	2,700.0	$44,570.66	$47,254.16	$2,683.51	6.02%	$56,909.46	$56,801.66	-$107.79	-0.19%	$101,480.11	$104,055.82	$2,575.71	2.54%
1,555,200	50%	2,700.0	$44,570.66	$47,254.16	$2,683.51	6.02%	$54,884.74	$54,776.95	-$107.79	-0.20%	$99,455.40	$102,031.11	$2,575.71	2.59%
1,555,200	40%	2,700.0	$44,570.66	$47,254.16	$2,683.51	6.02%	$52,860.02	$52,752.23	-$107.79	-0.20%	$97,430.68	$100,006.39	$2,575.71	2.64%
1,008,000	60%	3,500.0	$49,376.53	$52,843.54	$3,467.01	7.02%	$36,885.76	$36,815.89	-$69.87	-0.19%	$86,262.29	$89,659.43	$3,397.14	3.94%
1,008,000	50%	3,500.0	$49,376.53	$52,843.54	$3,467.01	7.02%	$35,573.44	$35,503.58	-$69.87	-0.20%	$84,949.97	$88,347.11	$3,397.14	4.00%
1,008,000	40%	3,500.0	$49,376.53	$52,843.54	$3,467.01	7.02%	$34,261.13	$34,191.26	-$69.87	-0.20%	$83,637.65	$87,034.80	$3,397.14	4.06%
1,512,000	60%	3,500.0	$53,271.19	$56,738.20	$3,467.01	6.51%	$55,328.64	$55,223.84	-$104.80	-0.19%	$108,599.83	$111,962.04	$3,362.21	3.10%
1,512,000	50%	3,500.0	$53,271.19	$56,738.20	$3,467.01	6.51%	$53,360.16	$53,255.36	-$104.80	-0.20%	$106,631.36	$109,993.57	$3,362.21	3.15%
1,512,000	40%	3,500.0	$53,271.19	$56,738.20	$3,467.01	6.51%	$51,391.69	$51,286.89	-$104.80	-0.20%	$104,662.88	$108,025.09	$3,362.21	3.21%
2,016,000	60%	3,500.0	$57,165.86	$60,632.87	$3,467.01	6.06%	$73,771.52	$73,631.79	-$139.73	-0.19%	$130,937.38	$134,264.65	$3,327.28	2.54%
2,016,000	50%	3,500.0	$57,165.86	$60,632.87	$3,467.01	6.06%	$71,146.89	$71,007.15	-$139.73	-0.20%	$128,312.74	$131,640.02	$3,327.28	2.59%
2,016,000	40%	3,500.0	$57,165.86	$60,632.87	$3,467.01	6.06%	$68,522.25	$68,382.52	-$139.73	-0.20%	$125,688.11	$129,015.38	$3,327.28	2.65%
1,152,000	60%	4,000.0	$56,135.77	$60,092.47	$3,956.70	7.05%	$42,155.15	$42,075.31	-$79.85	-0.19%	$98,290.92	$102,167.77	$3,876.85	3.94%
1,152,000	50%	4,000.0	$56,135.77	$60,092.47	$3,956.70	7.05%	$40,655.36	$40,575.52	-$79.85	-0.20%	$96,791.13	$100,667.98	$3,876.85	4.01%
1,152,000	40%	4,000.0	$56,135.77	$60,092.47	$3,956.70	7.05%	$39,155.57	$39,075.72	-$79.85	-0.20%	$95,291.34	$99,168.19	$3,876.85	4.07%
1,728,000	60%	4,000.0	$60,586.81	$64,543.51	$3,956.70	6.53%	$63,232.73	$63,112.96	-$119.77	-0.19%	$123,819.54	$127,656.47	$3,836.93	3.10%
1,728,000	50%	4,000.0	$60,586.81	$64,543.51	$3,956.70	6.53%	$60,983.04	$60,863.27	-$119.77	-0.20%	$121,569.86	$125,406.78	$3,836.93	3.16%
1,728,000	40%	4,000.0	$60,586.81	$64,543.51	$3,956.70	6.53%	$58,733.36	$58,613.59	-$119.77	-0.20%	$119,320.17	$123,157.10	$3,836.93	3.22%
2,304,000	60%	4,000.0	$65,037.86	$68,994.56	$3,956.70	6.08%	$84,310.31	$84,150.61	-$159.70	-0.19%	$149,348.16	$153,145.17	$3,797.00	2.54%
2,304,000	50%	4,000.0	$65,037.86	$68,994.56	$3,956.70	6.08%	$81,310.73	$81,151.03	-$159.70	-0.20%	$146,348.58	$150,145.59	$3,797.00	2.59%
2,304,000	40%	4,000.0	$65,037.86	$68,994.56	$3,956.70	6.08%	$78,311.15	$78,151.45	-$159.70	-0.20%	$143,349.00	$147,146.01	$3,797.00	2.65%
3,888,000	60%	13,500.0	$184,561.30	$197,822.13	$13,260.82	7.19%	$142,273.64	$142,004.16	-$269.49	-0.19%	$326,834.95	$339,826.29	$12,991.34	3.97%
3,888,000	50%	13,500.0	$184,561.30	$197,822.13	$13,260.82	7.19%	$137,211.85	$136,942.36	-$269.49	-0.20%	$321,773.16	$334,764.49	$12,991.34	4.04%
3,888,000	40%	13,500.0	$184,561.30	$197,822.13	$13,260.82	7.19%	$132,150.06	$131,880.57	-$269.49	-0.20%	$316,711.36	$329,702.70	$12,991.34	4.10%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$2,000.00	$2,038.00
Delivery Charge	$/kW	$10.77	$11.72
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.15	$0.15
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.03518	$0.03518
Energy Charge Off-peak (includes capacity)	$/kWh	$0.02229	$0.02229
Merchant Function Charge	$/kWh	$0.00045	$0.00038
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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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)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$18,214.92	$19,373.69	$1,158.76	6.36%	$26,137.23	$26,086.87	-$50.36	-0.19%	$44,352.15	$45,460.56	$1,108.41	2.50%
720,000	50%	2,500.0	$18,214.92	$19,373.69	$1,158.76	6.36%	$25,198.91	$25,148.56	-$50.36	-0.20%	$43,413.84	$44,522.24	$1,108.41	2.55%
720,000	40%	2,500.0	$18,214.92	$19,373.69	$1,158.76	6.36%	$24,260.60	$24,210.25	-$50.36	-0.21%	$42,475.52	$43,583.93	$1,108.41	2.61%
1,080,000	60%	2,500.0	$20,996.83	$22,155.59	$1,158.76	5.52%	$39,205.84	$39,130.30	-$75.53	-0.19%	$60,202.66	$61,285.89	$1,083.23	1.80%
1,080,000	50%	2,500.0	$20,996.83	$22,155.59	$1,158.76	5.52%	$37,798.37	$37,722.84	-$75.53	-0.20%	$58,795.20	$59,878.42	$1,083.23	1.84%
1,080,000	40%	2,500.0	$20,996.83	$22,155.59	$1,158.76	5.52%	$36,390.90	$36,315.37	-$75.53	-0.21%	$57,387.73	$58,470.96	$1,083.23	1.89%
1,440,000	60%	2,500.0	$23,778.73	$24,937.49	$1,158.76	4.87%	$52,274.45	$52,173.74	-$100.71	-0.19%	$76,053.18	$77,111.23	$1,058.05	1.39%
1,440,000	50%	2,500.0	$23,778.73	$24,937.49	$1,158.76	4.87%	$50,397.83	$50,297.11	-$100.71	-0.20%	$74,176.55	$75,234.61	$1,058.05	1.43%
1,440,000	40%	2,500.0	$23,778.73	$24,937.49	$1,158.76	4.87%	$48,521.20	$48,420.49	-$100.71	-0.21%	$72,299.93	$73,357.98	$1,058.05	1.46%
1,094,400	60%	3,800.0	$26,382.93	$28,117.98	$1,735.05	6.58%	$39,728.58	$39,652.04	-$76.54	-0.19%	$66,111.51	$67,770.02	$1,658.51	2.51%
1,094,400	50%	3,800.0	$26,382.93	$28,117.98	$1,735.05	6.58%	$38,302.35	$38,225.81	-$76.54	-0.20%	$64,685.28	$66,343.79	$1,658.51	2.56%
1,094,400	40%	3,800.0	$26,382.93	$28,117.98	$1,735.05	6.58%	$36,876.11	$36,799.57	-$76.54	-0.21%	$63,259.04	$64,917.55	$1,658.51	2.62%
1,641,600	60%	3,800.0	$30,611.42	$32,346.47	$1,735.05	5.67%	$59,592.87	$59,478.06	-$114.81	-0.19%	$90,204.30	$91,824.54	$1,620.24	1.80%
1,641,600	50%	3,800.0	$30,611.42	$32,346.47	$1,735.05	5.67%	$57,453.52	$57,338.71	-$114.81	-0.20%	$88,064.94	$89,685.19	$1,620.24	1.84%
1,641,600	40%	3,800.0	$30,611.42	$32,346.47	$1,735.05	5.67%	$55,314.17	$55,199.36	-$114.81	-0.21%	$85,925.59	$87,545.83	$1,620.24	1.89%
2,188,800	60%	3,800.0	$34,839.92	$36,574.97	$1,735.05	4.98%	$79,457.16	$79,304.08	-$153.08	-0.19%	$114,297.08	$115,879.05	$1,581.97	1.38%
2,188,800	50%	3,800.0	$34,839.92	$36,574.97	$1,735.05	4.98%	$76,604.70	$76,451.61	-$153.08	-0.20%	$111,444.61	$113,026.58	$1,581.97	1.42%
2,188,800	40%	3,800.0	$34,839.92	$36,574.97	$1,735.05	4.98%	$73,752.23	$73,599.15	-$153.08	-0.21%	$108,592.14	$110,174.11	$1,581.97	1.46%
1,152,000	60%	4,000.0	$27,639.55	$29,463.26	$1,823.71	6.60%	$41,819.56	$41,738.99	-$80.57	-0.19%	$69,459.11	$71,202.25	$1,743.14	2.51%
1,152,000	50%	4,000.0	$27,639.55	$29,463.26	$1,823.71	6.60%	$40,318.26	$40,237.69	-$80.57	-0.20%	$67,957.81	$69,700.95	$1,743.14	2.57%
1,152,000	40%	4,000.0	$27,639.55	$29,463.26	$1,823.71	6.60%	$38,816.96	$38,736.39	-$80.57	-0.21%	$66,456.51	$68,199.65	$1,743.14	2.62%
1,728,000	60%	4,000.0	$32,090.59	$33,914.30	$1,823.71	5.68%	$62,729.34	$62,608.49	-$120.85	-0.19%	$94,819.93	$96,522.79	$1,702.86	1.80%
1,728,000	50%	4,000.0	$32,090.59	$33,914.30	$1,823.71	5.68%	$60,477.39	$60,356.54	-$120.85	-0.20%	$92,567.98	$94,270.84	$1,702.86	1.84%
1,728,000	40%	4,000.0	$32,090.59	$33,914.30	$1,823.71	5.68%	$58,225.44	$58,104.59	-$120.85	-0.21%	$90,316.03	$92,018.89	$1,702.86	1.89%
2,304,000	60%	4,000.0	$36,541.64	$38,365.35	$1,823.71	4.99%	$83,639.12	$83,477.98	-$161.14	-0.19%	$120,180.76	$121,843.33	$1,662.57	1.38%
2,304,000	50%	4,000.0	$36,541.64	$38,365.35	$1,823.71	4.99%	$80,636.52	$80,475.38	-$161.14	-0.20%	$117,178.16	$118,840.73	$1,662.57	1.42%
2,304,000	40%	4,000.0	$36,541.64	$38,365.35	$1,823.71	4.99%	$77,633.92	$77,472.78	-$161.14	-0.21%	$114,175.56	$115,838.13	$1,662.57	1.46%
3,888,000	60%	13,500.0	$87,328.83	$93,363.88	$6,035.05	6.91%	$141,141.02	$140,869.10	-$271.92	-0.19%	$228,469.85	$234,232.98	$5,763.13	2.52%
3,888,000	50%	13,500.0	$87,328.83	$93,363.88	$6,035.05	6.91%	$136,074.13	$135,802.21	-$271.92	-0.20%	$223,402.96	$229,166.09	$5,763.13	2.58%
3,888,000	40%	13,500.0	$87,328.83	$93,363.88	$6,035.05	6.91%	$131,007.24	$130,735.32	-$271.92	-0.21%	$218,336.07	$224,099.21	$5,763.13	2.64%
5,832,000	60%	13,500.0	$102,351.11	$108,386.16	$6,035.05	5.90%	$211,711.52	$211,303.64	-$407.88	-0.19%	$314,062.63	$319,689.80	$5,627.17	1.79%
5,832,000	50%	13,500.0	$102,351.11	$108,386.16	$6,035.05	5.90%	$204,111.19	$203,703.32	-$407.88	-0.20%	$306,462.30	$312,089.47	$5,627.17	1.84%
5,832,000	40%	13,500.0	$102,351.11	$108,386.16	$6,035.05	5.90%	$196,510.87	$196,102.99	-$407.88	-0.21%	$298,861.97	$304,489.14	$5,627.17	1.88%
7,776,000	60%	13,500.0	$117,373.38	$123,408.43	$6,035.05	5.14%	$282,282.03	$281,738.19	-$543.84	-0.19%	$399,655.41	$405,146.63	$5,491.21	1.37%
7,776,000	50%	13,500.0	$117,373.38	$123,408.43	$6,035.05	5.14%	$272,148.26	$271,604.42	-$543.84	-0.20%	$389,521.64	$395,012.85	$5,491.21	1.41%
7,776,000	40%	13,500.0	$117,373.38	$123,408.43	$6,035.05	5.14%	$262,014.49	$261,470.65	-$543.84	-0.21%	$379,387.87	$384,879.08	$5,491.21	1.45%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$2,432.00	$2,481.00
Delivery Charge	$/kW	$3.76	$4.19
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.03489	$0.03489
Energy Charge Off-peak (includes capacity)	$/kWh	$0.02199	$0.02199
Merchant Function Charge	$/kWh	$0.00045	$0.00038
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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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)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$20,006.68	$21,799.46	$1,792.78	8.96%	$25,251.03	$25,198.98	-$52.05	-0.21%	$45,257.71	$46,998.44	$1,740.73	3.85%
720,000	50%	2,500.0	$20,006.68	$21,799.46	$1,792.78	8.96%	$24,393.25	$24,341.20	-$52.05	-0.21%	$44,399.93	$46,140.66	$1,740.73	3.92%
720,000	40%	2,500.0	$20,006.68	$21,799.46	$1,792.78	8.96%	$23,535.47	$23,483.42	-$52.05	-0.22%	$43,542.14	$45,282.88	$1,740.73	4.00%
1,080,000	60%	2,500.0	$22,788.58	$24,581.36	$1,792.78	7.87%	$37,876.55	$37,798.48	-$78.07	-0.21%	$60,665.13	$62,379.84	$1,714.71	2.83%
1,080,000	50%	2,500.0	$22,788.58	$24,581.36	$1,792.78	7.87%	$36,589.88	$36,511.80	-$78.07	-0.21%	$59,378.45	$61,093.16	$1,714.71	2.89%
1,080,000	40%	2,500.0	$22,788.58	$24,581.36	$1,792.78	7.87%	$35,303.20	$35,225.13	-$78.07	-0.22%	$58,091.78	$59,806.49	$1,714.71	2.95%
1,440,000	60%	2,500.0	$25,570.48	$27,363.26	$1,792.78	7.01%	$50,502.07	$50,397.97	-$104.10	-0.21%	$76,072.55	$77,761.23	$1,688.69	2.22%
1,440,000	50%	2,500.0	$25,570.48	$27,363.26	$1,792.78	7.01%	$48,786.50	$48,682.40	-$104.10	-0.21%	$74,356.98	$76,045.67	$1,688.69	2.27%
1,440,000	40%	2,500.0	$25,570.48	$27,363.26	$1,792.78	7.01%	$47,070.94	$46,966.84	-$104.10	-0.22%	$72,641.42	$74,330.10	$1,688.69	2.32%
1,152,000	60%	4,000.0	$28,905.53	$31,703.46	$2,797.94	9.68%	$40,401.65	$40,318.37	-$83.28	-0.21%	$69,307.18	$72,021.84	$2,714.66	3.92%
1,152,000	50%	4,000.0	$28,905.53	$31,703.46	$2,797.94	9.68%	$39,029.20	$38,945.92	-$83.28	-0.21%	$67,934.73	$70,649.39	$2,714.66	4.00%
1,152,000	40%	4,000.0	$28,905.53	$31,703.46	$2,797.94	9.68%	$37,656.75	$37,573.47	-$83.28	-0.22%	$66,562.27	$69,276.93	$2,714.66	4.08%
1,728,000	60%	4,000.0	$33,356.57	$36,154.51	$2,797.94	8.39%	$60,602.48	$60,477.56	-$124.92	-0.21%	$93,959.05	$96,632.07	$2,673.02	2.84%
1,728,000	50%	4,000.0	$33,356.57	$36,154.51	$2,797.94	8.39%	$58,543.80	$58,418.88	-$124.92	-0.21%	$91,900.37	$94,573.39	$2,673.02	2.91%
1,728,000	40%	4,000.0	$33,356.57	$36,154.51	$2,797.94	8.39%	$56,485.12	$56,360.21	-$124.92	-0.22%	$89,841.69	$92,514.71	$2,673.02	2.98%
2,304,000	60%	4,000.0	$37,807.62	$40,605.55	$2,797.94	7.40%	$80,803.31	$80,636.75	-$166.56	-0.21%	$118,610.92	$121,242.30	$2,631.38	2.22%
2,304,000	50%	4,000.0	$37,807.62	$40,605.55	$2,797.94	7.40%	$78,058.40	$77,891.85	-$166.56	-0.21%	$115,866.02	$118,497.40	$2,631.38	2.27%
2,304,000	40%	4,000.0	$37,807.62	$40,605.55	$2,797.94	7.40%	$75,313.50	$75,146.94	-$166.56	-0.22%	$113,121.11	$115,752.49	$2,631.38	2.33%
2,620,800	60%	9,100.0	$59,161.62	$65,377.08	$6,215.46	10.51%	$91,913.76	$91,724.30	-$189.46	-0.21%	$151,075.38	$157,101.38	$6,026.01	3.99%
2,620,800	50%	9,100.0	$59,161.62	$65,377.08	$6,215.46	10.51%	$88,791.43	$88,601.97	-$189.46	-0.21%	$147,953.05	$153,979.06	$6,026.01	4.07%
2,620,800	40%	9,100.0	$59,161.62	$65,377.08	$6,215.46	10.51%	$85,669.10	$85,479.65	-$189.46	-0.22%	$144,830.72	$150,856.73	$6,026.01	4.16%
3,931,200	60%	9,100.0	$69,287.74	$75,503.21	$6,215.46	8.97%	$137,870.64	$137,586.45	-$284.19	-0.21%	$207,158.38	$213,089.66	$5,931.28	2.86%
3,931,200	50%	9,100.0	$69,287.74	$75,503.21	$6,215.46	8.97%	$133,187.15	$132,902.96	-$284.19	-0.21%	$202,474.89	$208,406.17	$5,931.28	2.93%
3,931,200	40%	9,100.0	$69,287.74	$75,503.21	$6,215.46	8.97%	$128,503.65	$128,219.47	-$284.19	-0.22%	$197,791.40	$203,722.68	$5,931.28	3.00%
5,241,600	60%	9,100.0	$79,413.87	$85,629.34	$6,215.46	7.83%	$183,827.52	$183,448.61	-$378.91	-0.21%	$263,241.39	$269,077.94	$5,836.55	2.22%
5,241,600	50%	9,100.0	$79,413.87	$85,629.34	$6,215.46	7.83%	$177,582.86	$177,203.95	-$378.91	-0.21%	$256,996.73	$262,833.28	$5,836.55	2.27%
5,241,600	40%	9,100.0	$79,413.87	$85,629.34	$6,215.46	7.83%	$171,338.21	$170,959.29	-$378.91	-0.22%	$250,752.08	$256,588.63	$5,836.55	2.33%
3,888,000	60%	13,500.0	$85,264.91	$94,428.83	$9,163.92	10.75%	$136,355.58	$136,074.52	-$281.06	-0.21%	$221,620.49	$230,503.35	$8,882.85	4.01%
3,888,000	50%	13,500.0	$85,264.91	$94,428.83	$9,163.92	10.75%	$131,723.55	$131,442.49	-$281.06	-0.21%	$216,988.46	$225,871.32	$8,882.85	4.09%
3,888,000	40%	13,500.0	$85,264.91	$94,428.83	$9,163.92	10.75%	$127,091.53	$126,810.46	-$281.06	-0.22%	$212,356.44	$221,239.29	$8,882.85	4.18%
5,832,000	60%	13,500.0	$100,287.19	$109,451.11	$9,163.92	9.14%	$204,533.37	$204,111.77	-$421.59	-0.21%	$304,820.56	$313,562.88	$8,742.32	2.87%
5,832,000	50%	13,500.0	$100,287.19	$109,451.11	$9,163.92	9.14%	$197,585.33	$197,163.73	-$421.59	-0.21%	$297,872.52	$306,614.84	$8,742.32	2.93%
5,832,000	40%	13,500.0	$100,287.19	$109,451.11	$9,163.92	9.14%	$190,637.29	$190,215.69	-$421.59	-0.22%	$290,924.48	$299,666.80	$8,742.32	3.01%
7,776,000	60%	13,500.0	$115,309.47	$124,473.38	$9,163.92	7.95%	$272,711.16	$272,149.03	-$562.13	-0.21%	$388,020.62	$396,622.41	$8,601.79	2.22%
7,776,000	50%	13,500.0	$115,309.47	$124,473.38	$9,163.92	7.95%	$263,447.10	$262,884.98	-$562.13	-0.21%	$378,756.57	$387,358.36	$8,601.79	2.27%
7,776,000	40%	13,500.0	$115,309.47	$124,473.38	$9,163.92	7.95%	$254,183.05	$253,620.93	-$562.13	-0.22%	$369,492.52	$378,094.31	$8,601.79	2.33%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$5,020.00	$5,134.00
Delivery Charge	$/kW	$3.39	$4.04
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.17	$0.17
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.03324	$0.03324
Energy Charge Off-peak (includes capacity)	$/kWh	$0.02145	$0.02145
Merchant Function Charge	$/kWh	$0.00044	$0.00037
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC2-SMALL GENERAL SERVICE (METERED DEMAND)
Central Region (Load Zones 2C, 3E and 31D)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
1,008	7.0	$149.16	$151.01	$1.86	1.24%	$38.92	$38.55	-$0.37	-0.95%	$188.07	$189.56	$1.48	0.79%
1,512	7.0	$153.05	$154.91	$1.86	1.21%	$58.38	$57.82	-$0.56	-0.95%	$211.43	$212.73	$1.30	0.61%
2,016	7.0	$156.95	$158.80	$1.86	1.18%	$77.84	$77.09	-$0.74	-0.95%	$234.78	$235.89	$1.11	0.47%
2,520	7.0	$160.84	$162.70	$1.86	1.15%	$97.29	$96.37	-$0.93	-0.95%	$258.13	$259.06	$0.93	0.36%
2,160	15.0	$257.74	$265.21	$7.46	2.90%	$83.39	$82.60	-$0.80	-0.95%	$341.14	$347.81	$6.67	1.95%
3,240	15.0	$266.09	$273.55	$7.46	2.81%	$125.09	$123.90	-$1.19	-0.95%	$391.18	$397.45	$6.27	1.60%
4,320	15.0	$274.43	$281.90	$7.46	2.72%	$166.79	$165.20	-$1.59	-0.95%	$441.22	$447.10	$5.87	1.33%
5,400	15.0	$282.78	$290.24	$7.46	2.64%	$208.49	$206.50	-$1.99	-0.95%	$491.27	$496.74	$5.48	1.11%
3,168	22.0	$352.76	$365.13	$12.37	3.51%	$122.31	$121.15	-$1.17	-0.95%	$475.07	$486.27	$11.20	2.36%
4,752	22.0	$365.00	$377.37	$12.37	3.39%	$183.47	$181.72	-$1.75	-0.95%	$548.46	$559.09	$10.62	1.94%
6,336	22.0	$377.24	$389.61	$12.37	3.28%	$244.62	$242.29	-$2.33	-0.95%	$621.86	$631.90	$10.04	1.61%
7,920	22.0	$389.48	$401.85	$12.37	3.18%	$305.78	$302.86	-$2.92	-0.95%	$695.26	$704.71	$9.45	1.36%
5,760	40.0	$597.07	$622.06	$24.99	4.19%	$222.39	$220.27	-$2.12	-0.95%	$819.46	$842.33	$22.87	2.79%
8,640	40.0	$619.33	$644.32	$24.99	4.03%	$333.58	$330.40	-$3.18	-0.95%	$952.91	$974.72	$21.81	2.29%
11,520	40.0	$641.58	$666.57	$24.99	3.89%	$444.77	$440.53	-$4.24	-0.95%	$1,086.36	$1,107.10	$20.75	1.91%
14,400	40.0	$663.84	$688.83	$24.99	3.76%	$555.97	$550.66	-$5.30	-0.95%	$1,219.81	$1,239.49	$19.69	1.61%
8,640	60.0	$868.54	$907.55	$39.01	4.49%	$333.58	$330.40	-$3.18	-0.95%	$1,202.12	$1,237.95	$35.83	2.98%
12,960	60.0	$901.92	$940.93	$39.01	4.33%	$500.37	$495.60	-$4.77	-0.95%	$1,402.29	$1,436.53	$34.24	2.44%
17,280	60.0	$935.30	$974.31	$39.01	4.17%	$667.16	$660.80	-$6.36	-0.95%	$1,602.46	$1,635.11	$32.65	2.04%
21,600	60.0	$968.69	$1,007.70	$39.01	4.03%	$833.95	$825.99	-$7.95	-0.95%	$1,802.64	$1,833.69	$31.06	1.72%
11,520	80.0	$1,140.00	$1,193.03	$53.03	4.65%	$444.77	$440.53	-$4.24	-0.95%	$1,584.78	$1,633.56	$48.79	3.08%
17,280	80.0	$1,184.51	$1,237.55	$53.03	4.48%	$667.16	$660.80	-$6.36	-0.95%	$1,851.67	$1,898.34	$46.67	2.52%
23,040	80.0	$1,229.02	$1,282.06	$53.03	4.31%	$889.54	$881.06	-$8.48	-0.95%	$2,118.57	$2,163.12	$44.55	2.10%
28,800	80.0	$1,273.54	$1,326.57	$53.03	4.16%	$1,111.93	$1,101.33	-$10.61	-0.95%	$2,385.47	$2,427.89	$42.43	1.78%
14,400	100.0	$1,411.47	$1,478.52	$67.05	4.75%	$555.97	$550.66	-$5.30	-0.95%	$1,967.43	$2,029.18	$61.75	3.14%
21,600	100.0	$1,467.11	$1,534.16	$67.05	4.57%	$833.95	$825.99	-$7.95	-0.95%	$2,301.05	$2,360.15	$59.10	2.57%
28,800	100.0	$1,522.74	$1,589.80	$67.05	4.40%	$1,111.93	$1,101.33	-$10.61	-0.95%	$2,634.68	$2,691.12	$56.45	2.14%
36,000	100.0	$1,578.38	$1,645.43	$67.05	4.25%	$1,389.91	$1,376.66	-$13.26	-0.95%	$2,968.30	$3,022.09	$53.79	1.81%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$52.52	$49.56
Delivery Charge	$/kW	$12.44	$13.54
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.53000	-$0.95000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03094	$0.03094
Merchant Function Charge	$/kWh	$0.00153	$0.00117
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3-LARGE GENERAL SERVICE (SECONDARY)
Central Region (Load Zones 2C, 3E and 31D)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,796.18	$1,843.39	$47.22	2.63%	$1,062.50	$1,060.62	-$1.89	-0.18%	$2,858.68	$2,904.01	$45.33	1.59%
36,000	100.0	$1,851.82	$1,899.03	$47.22	2.55%	$1,328.13	$1,325.77	-$2.36	-0.18%	$3,179.94	$3,224.80	$44.86	1.41%
43,200	100.0	$1,907.45	$1,954.67	$47.22	2.48%	$1,593.75	$1,590.92	-$2.83	-0.18%	$3,501.21	$3,545.59	$44.39	1.27%
57,600	100.0	$2,018.73	$2,065.95	$47.22	2.34%	$2,125.01	$2,121.23	-$3.77	-0.18%	$4,143.74	$4,187.18	$43.44	1.05%
66,240	230.0	$3,521.41	$3,618.22	$96.80	2.75%	$2,443.76	$2,439.42	-$4.34	-0.18%	$5,965.17	$6,057.64	$92.47	1.55%
82,800	230.0	$3,649.38	$3,746.19	$96.80	2.65%	$3,054.70	$3,049.27	-$5.42	-0.18%	$6,704.08	$6,795.46	$91.38	1.36%
99,360	230.0	$3,777.35	$3,874.15	$96.80	2.56%	$3,665.63	$3,659.13	-$6.51	-0.18%	$7,442.98	$7,533.28	$90.30	1.21%
132,480	230.0	$4,033.28	$4,130.09	$96.80	2.40%	$4,887.51	$4,878.83	-$8.68	-0.18%	$8,920.80	$9,008.92	$88.13	0.99%
100,800	350.0	$5,113.94	$5,256.52	$142.58	2.79%	$3,718.76	$3,712.16	-$6.60	-0.18%	$8,832.70	$8,968.68	$135.97	1.54%
126,000	350.0	$5,308.67	$5,451.25	$142.58	2.69%	$4,648.45	$4,640.20	-$8.25	-0.18%	$9,957.12	$10,091.45	$134.32	1.35%
151,200	350.0	$5,503.41	$5,645.99	$142.58	2.59%	$5,578.14	$5,568.24	-$9.90	-0.18%	$11,081.55	$11,214.22	$132.67	1.20%
201,600	350.0	$5,892.87	$6,035.45	$142.58	2.42%	$7,437.52	$7,424.31	-$13.21	-0.18%	$13,330.39	$13,459.77	$129.37	0.97%
144,000	500.0	$7,104.60	$7,304.39	$199.79	2.81%	$5,312.51	$5,303.08	-$9.43	-0.18%	$12,417.11	$12,607.47	$190.36	1.53%
180,000	500.0	$7,382.79	$7,582.58	$199.79	2.71%	$6,640.64	$6,628.85	-$11.79	-0.18%	$14,023.43	$14,211.44	$188.00	1.34%
216,000	500.0	$7,660.98	$7,860.77	$199.79	2.61%	$7,968.77	$7,954.62	-$14.15	-0.18%	$15,629.75	$15,815.40	$185.65	1.19%
288,000	500.0	$8,217.36	$8,417.15	$199.79	2.43%	$10,625.03	$10,606.16	-$18.86	-0.18%	$18,842.39	$19,023.32	$180.93	0.96%
216,000	750.0	$10,422.36	$10,717.52	$295.15	2.83%	$7,968.77	$7,954.62	-$14.15	-0.18%	$18,391.13	$18,672.14	$281.01	1.53%
270,000	750.0	$10,839.65	$11,134.80	$295.15	2.72%	$9,960.96	$9,943.28	-$17.69	-0.18%	$20,800.61	$21,078.08	$277.47	1.33%
324,000	750.0	$11,256.93	$11,552.09	$295.15	2.62%	$11,953.16	$11,931.93	-$21.22	-0.18%	$23,210.09	$23,484.02	$273.93	1.18%
432,000	750.0	$12,091.51	$12,386.66	$295.15	2.44%	$15,937.54	$15,909.24	-$28.30	-0.18%	$28,029.05	$28,295.90	$266.86	0.95%
432,000	1,500.0	$20,375.65	$20,956.89	$581.24	2.85%	$15,937.54	$15,909.24	-$28.30	-0.18%	$36,313.20	$36,866.14	$552.94	1.52%
540,000	1,500.0	$21,210.23	$21,791.46	$581.24	2.74%	$19,921.93	$19,886.56	-$35.37	-0.18%	$41,132.15	$41,678.02	$545.87	1.33%
648,000	1,500.0	$22,044.80	$22,626.03	$581.24	2.64%	$23,906.31	$23,863.87	-$42.45	-0.18%	$45,951.11	$46,489.90	$538.79	1.17%
864,000	1,500.0	$23,713.94	$24,295.18	$581.24	2.45%	$31,875.08	$31,818.49	-$56.59	-0.18%	$55,589.02	$56,113.66	$524.64	0.94%
576,000	2,000.0	$27,011.18	$27,783.14	$771.96	2.86%	$21,250.05	$21,212.33	-$37.73	-0.18%	$48,261.24	$48,995.47	$734.23	1.52%
720,000	2,000.0	$28,123.94	$28,895.90	$771.96	2.74%	$26,562.57	$26,515.41	-$47.16	-0.18%	$54,686.51	$55,411.31	$724.80	1.33%
864,000	2,000.0	$29,236.70	$30,008.66	$771.96	2.64%	$31,875.08	$31,818.49	-$56.59	-0.18%	$61,111.79	$61,827.15	$715.36	1.17%
1,152,000	2,000.0	$31,462.23	$32,234.19	$771.96	2.45%	$42,500.11	$42,424.65	-$75.46	-0.18%	$73,962.34	$74,658.84	$696.50	0.94%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$455.00	$463.80
Delivery Charge	$/kW	$11.21	$12.06
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.17	$0.17
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.70000	-$1.18000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03030	$0.03030
Merchant Function Charge	$/kWh	$0.00046	$0.00040
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3-LARGE GENERAL SERVICE (PRIMARY)
Central Region (Load Zones 2C, 3E and 31D)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,634.01	$1,678.65	$44.64	2.73%	$1,045.26	$1,043.33	-$1.92	-0.18%	$2,679.27	$2,721.98	$42.72	1.59%
36,000	100.0	$1,689.65	$1,734.29	$44.64	2.64%	$1,306.57	$1,304.17	-$2.40	-0.18%	$2,996.22	$3,038.46	$42.24	1.41%
43,200	100.0	$1,745.29	$1,789.93	$44.64	2.56%	$1,567.88	$1,565.00	-$2.88	-0.18%	$3,313.17	$3,354.93	$41.75	1.26%
57,600	100.0	$1,856.56	$1,901.20	$44.64	2.40%	$2,090.51	$2,086.66	-$3.85	-0.18%	$3,947.08	$3,987.87	$40.79	1.03%
57,600	200.0	$2,817.82	$2,900.60	$82.78	2.94%	$2,090.51	$2,086.66	-$3.85	-0.18%	$4,908.33	$4,987.27	$78.94	1.61%
72,000	200.0	$2,929.10	$3,011.88	$82.78	2.83%	$2,613.14	$2,608.33	-$4.81	-0.18%	$5,542.23	$5,620.21	$77.98	1.41%
86,400	200.0	$3,040.37	$3,123.15	$82.78	2.72%	$3,135.77	$3,130.00	-$5.77	-0.18%	$6,176.14	$6,253.15	$77.01	1.25%
115,200	200.0	$3,262.92	$3,345.71	$82.78	2.54%	$4,181.02	$4,173.33	-$7.69	-0.18%	$7,443.95	$7,519.04	$75.09	1.01%
72,000	250.0	$3,409.72	$3,511.58	$101.86	2.99%	$2,613.14	$2,608.33	-$4.81	-0.18%	$6,022.86	$6,119.91	$97.05	1.61%
90,000	250.0	$3,548.82	$3,650.67	$101.86	2.87%	$3,266.42	$3,260.41	-$6.01	-0.18%	$6,815.24	$6,911.09	$95.85	1.41%
108,000	250.0	$3,687.91	$3,789.77	$101.86	2.76%	$3,919.71	$3,912.50	-$7.21	-0.18%	$7,607.62	$7,702.27	$94.64	1.24%
144,000	250.0	$3,966.10	$4,067.96	$101.86	2.57%	$5,226.28	$5,216.66	-$9.62	-0.18%	$9,192.38	$9,284.62	$92.24	1.00%
135,360	470.0	$6,014.10	$6,199.87	$185.77	3.09%	$4,912.70	$4,903.66	-$9.04	-0.18%	$10,926.80	$11,103.53	$176.73	1.62%
169,200	470.0	$6,275.60	$6,461.37	$185.77	2.96%	$6,140.88	$6,129.58	-$11.30	-0.18%	$12,416.47	$12,590.95	$174.47	1.41%
203,040	470.0	$6,537.09	$6,722.87	$185.77	2.84%	$7,369.05	$7,355.49	-$13.56	-0.18%	$13,906.15	$14,078.36	$172.21	1.24%
270,720	470.0	$7,060.09	$7,245.87	$185.77	2.63%	$9,825.40	$9,807.33	-$18.08	-0.18%	$16,885.50	$17,053.19	$167.69	0.99%
216,000	750.0	$9,328.76	$9,621.33	$292.58	3.14%	$7,839.42	$7,824.99	-$14.42	-0.18%	$17,168.17	$17,446.33	$278.15	1.62%
270,000	750.0	$9,746.04	$10,038.62	$292.58	3.00%	$9,799.27	$9,781.24	-$18.03	-0.18%	$19,545.31	$19,819.86	$274.55	1.40%
324,000	750.0	$10,163.33	$10,455.90	$292.58	2.88%	$11,759.13	$11,737.49	-$21.64	-0.18%	$21,922.45	$22,193.39	$270.94	1.24%
432,000	750.0	$10,997.90	$11,290.47	$292.58	2.66%	$15,678.84	$15,649.99	-$28.85	-0.18%	$26,676.73	$26,940.46	$263.73	0.99%
432,000	1,500.0	$18,207.30	$18,785.96	$578.66	3.18%	$15,678.84	$15,649.99	-$28.85	-0.18%	$33,886.14	$34,435.95	$549.81	1.62%
540,000	1,500.0	$19,041.88	$19,620.53	$578.66	3.04%	$19,598.55	$19,562.48	-$36.06	-0.18%	$38,640.42	$39,183.02	$542.60	1.40%
648,000	1,500.0	$19,876.45	$20,455.11	$578.66	2.91%	$23,518.25	$23,474.98	-$43.27	-0.18%	$43,394.70	$43,930.09	$535.39	1.23%
864,000	1,500.0	$21,545.59	$22,124.25	$578.66	2.69%	$31,357.67	$31,299.97	-$57.70	-0.18%	$52,903.26	$53,424.22	$520.96	0.98%
576,000	2,000.0	$24,126.34	$24,895.72	$769.38	3.19%	$20,905.11	$20,866.65	-$38.47	-0.18%	$45,031.45	$45,762.37	$730.92	1.62%
720,000	2,000.0	$25,239.10	$26,008.48	$769.38	3.05%	$26,131.39	$26,083.31	-$48.08	-0.18%	$51,370.49	$52,091.79	$721.30	1.40%
864,000	2,000.0	$26,351.86	$27,121.24	$769.38	2.92%	$31,357.67	$31,299.97	-$57.70	-0.18%	$57,709.53	$58,421.21	$711.68	1.23%
1,152,000	2,000.0	$28,577.38	$29,346.76	$769.38	2.69%	$41,810.23	$41,733.30	-$76.93	-0.18%	$70,387.61	$71,080.06	$692.45	0.98%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$436.70	$443.00
Delivery Charge	$/kW	$9.89	$10.69
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.18	$0.18
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.78000	-$1.21000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.02972	$0.02972
Merchant Function Charge	$/kWh	$0.00046	$0.00039
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,290.16	$1,329.24	$39.07	3.03%	$1,026.91	$1,024.95	-$1.96	-0.19%	$2,317.08	$2,354.19	$37.11	1.60%
36,000	100.0	$1,345.80	$1,384.87	$39.07	2.90%	$1,283.64	$1,281.19	-$2.45	-0.19%	$2,629.44	$2,666.06	$36.62	1.39%
43,200	100.0	$1,401.44	$1,440.51	$39.07	2.79%	$1,540.37	$1,537.42	-$2.94	-0.19%	$2,941.81	$2,977.94	$36.13	1.23%
57,600	100.0	$1,512.72	$1,551.79	$39.07	2.58%	$2,053.82	$2,049.90	-$3.92	-0.19%	$3,566.54	$3,601.69	$35.15	0.99%
57,600	200.0	$1,770.02	$1,829.71	$59.69	3.37%	$2,053.82	$2,049.90	-$3.92	-0.19%	$3,823.84	$3,879.61	$55.77	1.46%
72,000	200.0	$1,881.29	$1,940.99	$59.69	3.17%	$2,567.28	$2,562.37	-$4.91	-0.19%	$4,448.57	$4,503.36	$54.78	1.23%
86,400	200.0	$1,992.57	$2,052.26	$59.69	3.00%	$3,080.74	$3,074.85	-$5.89	-0.19%	$5,073.31	$5,127.11	$53.80	1.06%
115,200	200.0	$2,215.12	$2,274.81	$59.69	2.69%	$4,107.65	$4,099.80	-$7.85	-0.19%	$6,322.77	$6,374.61	$51.84	0.82%
72,000	250.0	$2,009.95	$2,079.95	$70.00	3.48%	$2,567.28	$2,562.37	-$4.91	-0.19%	$4,577.23	$4,642.32	$65.09	1.42%
90,000	250.0	$2,149.04	$2,219.04	$70.00	3.26%	$3,209.10	$3,202.97	-$6.13	-0.19%	$5,358.14	$5,422.01	$63.87	1.19%
108,000	250.0	$2,288.14	$2,358.14	$70.00	3.06%	$3,850.92	$3,843.56	-$7.36	-0.19%	$6,139.06	$6,201.70	$62.64	1.02%
144,000	250.0	$2,566.33	$2,636.33	$70.00	2.73%	$5,134.56	$5,124.75	-$9.81	-0.19%	$7,700.89	$7,761.07	$60.19	0.78%
144,000	500.0	$3,209.58	$3,331.13	$121.55	3.79%	$5,134.56	$5,124.75	-$9.81	-0.19%	$8,344.14	$8,455.88	$111.73	1.34%
180,000	500.0	$3,487.77	$3,609.32	$121.55	3.48%	$6,418.20	$6,405.93	-$12.27	-0.19%	$9,905.97	$10,015.25	$109.28	1.10%
216,000	500.0	$3,765.96	$3,887.51	$121.55	3.23%	$7,701.84	$7,687.12	-$14.72	-0.19%	$11,467.80	$11,574.63	$106.83	0.93%
288,000	500.0	$4,322.34	$4,443.89	$121.55	2.81%	$10,269.12	$10,249.49	-$19.62	-0.19%	$14,591.46	$14,693.38	$101.92	0.70%
218,880	760.0	$4,457.20	$4,632.36	$175.15	3.93%	$7,804.53	$7,789.61	-$14.91	-0.19%	$12,261.73	$12,421.97	$160.24	1.31%
273,600	760.0	$4,880.05	$5,055.21	$175.15	3.59%	$9,755.66	$9,737.02	-$18.64	-0.19%	$14,635.72	$14,792.23	$156.51	1.07%
328,320	760.0	$5,302.90	$5,478.06	$175.15	3.30%	$11,706.79	$11,684.42	-$22.37	-0.19%	$17,009.70	$17,162.48	$152.78	0.90%
437,760	760.0	$6,148.60	$6,323.76	$175.15	2.85%	$15,609.06	$15,579.23	-$29.83	-0.19%	$21,757.66	$21,902.99	$145.33	0.67%
432,000	1,500.0	$8,008.13	$8,335.86	$327.73	4.09%	$15,403.68	$15,374.24	-$29.44	-0.19%	$23,411.80	$23,710.10	$298.30	1.27%
540,000	1,500.0	$8,842.70	$9,170.43	$327.73	3.71%	$19,254.59	$19,217.80	-$36.80	-0.19%	$28,097.29	$28,388.23	$290.94	1.04%
648,000	1,500.0	$9,677.27	$10,005.00	$327.73	3.39%	$23,105.51	$23,061.36	-$44.15	-0.19%	$32,782.78	$33,066.36	$283.58	0.87%
864,000	1,500.0	$11,346.41	$11,674.14	$327.73	2.89%	$30,807.35	$30,748.48	-$58.87	-0.19%	$42,153.76	$42,422.62	$268.86	0.64%
576,000	2,000.0	$10,407.40	$10,838.23	$430.82	4.14%	$20,538.23	$20,498.99	-$39.25	-0.19%	$30,945.64	$31,337.21	$391.58	1.27%
720,000	2,000.0	$11,520.16	$11,950.99	$430.82	3.74%	$25,672.79	$25,623.73	-$49.06	-0.19%	$37,192.96	$37,574.72	$381.76	1.03%
864,000	2,000.0	$12,632.92	$13,063.75	$430.82	3.41%	$30,807.35	$30,748.48	-$58.87	-0.19%	$43,440.28	$43,812.23	$371.95	0.86%
1,152,000	2,000.0	$14,858.45	$15,289.27	$430.82	2.90%	$41,076.47	$40,997.97	-$78.50	-0.19%	$55,934.92	$56,287.24	$352.33	0.63%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$786.00	$803.90
Delivery Charge	$/kW	$2.99	$3.40
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.67000	-$0.88000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.02909	$0.02909
Merchant Function Charge	$/kWh	$0.00046	$0.00039
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3-LARGE GENERAL SERVICE (TRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,290.16	$1,329.24	$39.07	3.03%	$979.05	$976.98	-$2.06	-0.21%	$2,269.21	$2,306.22	$37.01	1.63%
36,000	100.0	$1,345.80	$1,384.87	$39.07	2.90%	$1,223.81	$1,221.23	-$2.58	-0.21%	$2,569.61	$2,606.10	$36.49	1.42%
43,200	100.0	$1,401.44	$1,440.51	$39.07	2.79%	$1,468.57	$1,465.47	-$3.10	-0.21%	$2,870.01	$2,905.99	$35.98	1.25%
57,600	100.0	$1,512.72	$1,551.79	$39.07	2.58%	$1,958.10	$1,953.97	-$4.13	-0.21%	$3,470.81	$3,505.75	$34.94	1.01%
57,600	200.0	$1,770.02	$1,829.71	$59.69	3.37%	$1,958.10	$1,953.97	-$4.13	-0.21%	$3,728.11	$3,783.68	$55.56	1.49%
72,000	200.0	$1,881.29	$1,940.99	$59.69	3.17%	$2,447.62	$2,442.46	-$5.16	-0.21%	$4,328.91	$4,383.44	$54.53	1.26%
86,400	200.0	$1,992.57	$2,052.26	$59.69	3.00%	$2,937.14	$2,930.95	-$6.19	-0.21%	$4,929.71	$4,983.21	$53.50	1.09%
115,200	200.0	$2,215.12	$2,274.81	$59.69	2.69%	$3,916.19	$3,907.93	-$8.26	-0.21%	$6,131.31	$6,182.75	$51.43	0.84%
72,000	250.0	$2,009.95	$2,079.95	$70.00	3.48%	$2,447.62	$2,442.46	-$5.16	-0.21%	$4,457.57	$4,522.40	$64.84	1.45%
90,000	250.0	$2,149.04	$2,219.04	$70.00	3.26%	$3,059.52	$3,053.07	-$6.45	-0.21%	$5,208.57	$5,272.11	$63.55	1.22%
108,000	250.0	$2,288.14	$2,358.14	$70.00	3.06%	$3,671.43	$3,663.69	-$7.74	-0.21%	$5,959.57	$6,021.82	$62.26	1.04%
144,000	250.0	$2,566.33	$2,636.33	$70.00	2.73%	$4,895.24	$4,884.92	-$10.32	-0.21%	$7,461.57	$7,521.24	$59.68	0.80%
144,000	500.0	$3,209.58	$3,331.13	$121.55	3.79%	$4,895.24	$4,884.92	-$10.32	-0.21%	$8,104.82	$8,216.05	$111.22	1.37%
180,000	500.0	$3,487.77	$3,609.32	$121.55	3.48%	$6,119.05	$6,106.15	-$12.90	-0.21%	$9,606.82	$9,715.47	$108.64	1.13%
216,000	500.0	$3,765.96	$3,887.51	$121.55	3.23%	$7,342.86	$7,327.37	-$15.48	-0.21%	$11,108.82	$11,214.88	$106.06	0.95%
288,000	500.0	$4,322.34	$4,443.89	$121.55	2.81%	$9,790.48	$9,769.83	-$20.65	-0.21%	$14,112.82	$14,213.72	$100.90	0.71%
273,600	950.0	$5,368.93	$5,583.26	$214.33	3.99%	$9,300.96	$9,281.34	-$19.61	-0.21%	$14,669.88	$14,864.60	$194.72	1.33%
342,000	950.0	$5,897.49	$6,111.82	$214.33	3.63%	$11,626.19	$11,601.68	-$24.52	-0.21%	$17,523.68	$17,713.50	$189.81	1.08%
410,400	950.0	$6,426.05	$6,640.38	$214.33	3.34%	$13,951.43	$13,922.01	-$29.42	-0.21%	$20,377.48	$20,562.39	$184.91	0.91%
547,200	950.0	$7,483.17	$7,697.50	$214.33	2.86%	$18,601.91	$18,562.68	-$39.23	-0.21%	$26,085.08	$26,260.19	$175.10	0.67%
432,000	1,500.0	$8,008.13	$8,335.86	$327.73	4.09%	$14,685.72	$14,654.75	-$30.97	-0.21%	$22,693.85	$22,990.61	$296.76	1.31%
540,000	1,500.0	$8,842.70	$9,170.43	$327.73	3.71%	$18,357.15	$18,318.44	-$38.71	-0.21%	$27,199.85	$27,488.87	$289.02	1.06%
648,000	1,500.0	$9,677.27	$10,005.00	$327.73	3.39%	$22,028.58	$21,982.12	-$46.45	-0.21%	$31,705.85	$31,987.13	$281.28	0.89%
864,000	1,500.0	$11,346.41	$11,674.14	$327.73	2.89%	$29,371.44	$29,309.50	-$61.94	-0.21%	$40,717.85	$40,983.64	$265.79	0.65%
576,000	2,000.0	$10,407.40	$10,838.23	$430.82	4.14%	$19,580.96	$19,539.67	-$41.29	-0.21%	$29,988.36	$30,377.89	$389.53	1.30%
720,000	2,000.0	$11,520.16	$11,950.99	$430.82	3.74%	$24,476.20	$24,424.58	-$51.61	-0.21%	$35,996.36	$36,375.57	$379.21	1.05%
864,000	2,000.0	$12,632.92	$13,063.75	$430.82	3.41%	$29,371.44	$29,309.50	-$61.94	-0.21%	$42,004.36	$42,373.25	$368.89	0.88%
1,152,000	2,000.0	$14,858.45	$15,289.27	$430.82	2.90%	$39,161.92	$39,079.33	-$82.58	-0.21%	$54,020.36	$54,368.60	$348.24	0.64%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$786.00	$803.90
Delivery Charge	$/kW	$2.99	$3.40
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.67000	-$0.88000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.02746	$0.02746
Merchant Function Charge	$/kWh	$0.00044	$0.00037
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3A-LARGE GENERAL SERVICE (SECONDARY)
Central Region (Load Zones 2C, 3E and 31D)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
547,200	60%	1,900.0	$26,082.01	$27,531.50	$1,449.48	5.56%	$20,676.21	$20,639.52	-$36.69	-0.18%	$46,758.22	$48,171.02	$1,412.79	3.02%
547,200	50%	1,900.0	$26,082.01	$27,531.50	$1,449.48	5.56%	$19,900.27	$19,863.58	-$36.69	-0.18%	$45,982.28	$47,395.08	$1,412.79	3.07%
547,200	40%	1,900.0	$26,082.01	$27,531.50	$1,449.48	5.56%	$19,124.33	$19,087.64	-$36.69	-0.19%	$45,206.35	$46,619.14	$1,412.79	3.13%
820,800	60%	1,900.0	$28,196.26	$29,645.75	$1,449.48	5.14%	$31,014.31	$30,959.27	-$55.04	-0.18%	$59,210.57	$60,605.02	$1,394.45	2.36%
820,800	50%	1,900.0	$28,196.26	$29,645.75	$1,449.48	5.14%	$29,850.40	$29,795.37	-$55.04	-0.18%	$58,046.67	$59,441.11	$1,394.45	2.40%
820,800	40%	1,900.0	$28,196.26	$29,645.75	$1,449.48	5.14%	$28,686.50	$28,631.46	-$55.04	-0.19%	$56,882.76	$58,277.20	$1,394.45	2.45%
1,094,400	60%	1,900.0	$30,310.51	$31,759.99	$1,449.48	4.78%	$41,352.42	$41,279.03	-$73.38	-0.18%	$71,662.92	$73,039.03	$1,376.10	1.92%
1,094,400	50%	1,900.0	$30,310.51	$31,759.99	$1,449.48	4.78%	$39,800.54	$39,727.16	-$73.38	-0.18%	$70,111.05	$71,487.15	$1,376.10	1.96%
1,094,400	40%	1,900.0	$30,310.51	$31,759.99	$1,449.48	4.78%	$38,248.66	$38,175.28	-$73.38	-0.19%	$68,559.17	$69,935.27	$1,376.10	2.01%
633,600	60%	2,200.0	$29,874.67	$31,546.84	$1,672.16	5.60%	$23,940.87	$23,898.39	-$42.49	-0.18%	$53,815.54	$55,445.22	$1,629.68	3.03%
633,600	50%	2,200.0	$29,874.67	$31,546.84	$1,672.16	5.60%	$23,042.42	$22,999.93	-$42.49	-0.18%	$52,917.09	$54,546.77	$1,629.68	3.08%
633,600	40%	2,200.0	$29,874.67	$31,546.84	$1,672.16	5.60%	$22,143.96	$22,101.48	-$42.49	-0.19%	$52,018.63	$53,648.31	$1,629.68	3.13%
950,400	60%	2,200.0	$32,322.75	$33,994.91	$1,672.16	5.17%	$35,911.31	$35,847.58	-$63.73	-0.18%	$68,234.06	$69,842.49	$1,608.44	2.36%
950,400	50%	2,200.0	$32,322.75	$33,994.91	$1,672.16	5.17%	$34,563.63	$34,499.90	-$63.73	-0.18%	$66,886.37	$68,494.81	$1,608.44	2.40%
950,400	40%	2,200.0	$32,322.75	$33,994.91	$1,672.16	5.17%	$33,215.94	$33,152.22	-$63.73	-0.19%	$65,538.69	$67,147.13	$1,608.44	2.45%
1,267,200	60%	2,200.0	$34,770.82	$36,442.99	$1,672.16	4.81%	$47,881.75	$47,796.78	-$84.97	-0.18%	$82,652.57	$84,239.76	$1,587.19	1.92%
1,267,200	50%	2,200.0	$34,770.82	$36,442.99	$1,672.16	4.81%	$46,084.83	$45,999.86	-$84.97	-0.18%	$80,855.66	$82,442.85	$1,587.19	1.96%
1,267,200	40%	2,200.0	$34,770.82	$36,442.99	$1,672.16	4.81%	$44,287.92	$44,202.95	-$84.97	-0.19%	$79,058.74	$80,645.94	$1,587.19	2.01%
1,008,000	60%	3,500.0	$46,309.52	$48,946.63	$2,637.11	5.69%	$38,087.75	$38,020.16	-$67.59	-0.18%	$84,397.27	$86,966.79	$2,569.52	3.04%
1,008,000	50%	3,500.0	$46,309.52	$48,946.63	$2,637.11	5.69%	$36,658.39	$36,590.80	-$67.59	-0.18%	$82,967.91	$85,537.43	$2,569.52	3.10%
1,008,000	40%	3,500.0	$46,309.52	$48,946.63	$2,637.11	5.69%	$35,229.03	$35,161.44	-$67.59	-0.19%	$81,538.55	$84,108.07	$2,569.52	3.15%
1,512,000	60%	3,500.0	$50,204.18	$52,841.29	$2,637.11	5.25%	$57,131.63	$57,030.24	-$101.38	-0.18%	$107,335.81	$109,871.54	$2,535.73	2.36%
1,512,000	50%	3,500.0	$50,204.18	$52,841.29	$2,637.11	5.25%	$54,987.59	$54,886.20	-$101.38	-0.18%	$105,191.77	$107,727.50	$2,535.73	2.41%
1,512,000	40%	3,500.0	$50,204.18	$52,841.29	$2,637.11	5.25%	$52,843.55	$52,742.16	-$101.38	-0.19%	$103,047.73	$105,583.46	$2,535.73	2.46%
2,016,000	60%	3,500.0	$54,098.85	$56,735.96	$2,637.11	4.87%	$76,175.50	$76,040.32	-$135.18	-0.18%	$130,274.35	$132,776.28	$2,501.93	1.92%
2,016,000	50%	3,500.0	$54,098.85	$56,735.96	$2,637.11	4.87%	$73,316.78	$73,181.60	-$135.18	-0.18%	$127,415.63	$129,917.56	$2,501.93	1.96%
2,016,000	40%	3,500.0	$54,098.85	$56,735.96	$2,637.11	4.87%	$70,458.06	$70,322.88	-$135.18	-0.19%	$124,556.91	$127,058.84	$2,501.93	2.01%
1,152,000	60%	4,000.0	$52,630.61	$55,638.86	$3,008.25	5.72%	$43,528.86	$43,451.61	-$77.25	-0.18%	$96,159.47	$99,090.47	$2,931.00	3.05%
1,152,000	50%	4,000.0	$52,630.61	$55,638.86	$3,008.25	5.72%	$41,895.30	$41,818.06	-$77.25	-0.18%	$94,525.92	$97,456.92	$2,931.00	3.10%
1,152,000	40%	4,000.0	$52,630.61	$55,638.86	$3,008.25	5.72%	$40,261.75	$40,184.50	-$77.25	-0.19%	$92,892.36	$95,823.36	$2,931.00	3.16%
1,728,000	60%	4,000.0	$57,081.66	$60,089.90	$3,008.25	5.27%	$65,293.29	$65,177.42	-$115.87	-0.18%	$122,374.95	$125,267.33	$2,892.38	2.36%
1,728,000	50%	4,000.0	$57,081.66	$60,089.90	$3,008.25	5.27%	$62,842.96	$62,727.09	-$115.87	-0.18%	$119,924.61	$122,816.99	$2,892.38	2.41%
1,728,000	40%	4,000.0	$57,081.66	$60,089.90	$3,008.25	5.27%	$60,392.62	$60,276.76	-$115.87	-0.19%	$117,474.28	$120,366.66	$2,892.38	2.46%
2,304,000	60%	4,000.0	$61,532.70	$64,540.95	$3,008.25	4.89%	$87,057.72	$86,903.23	-$154.49	-0.18%	$148,590.42	$151,444.18	$2,853.76	1.92%
2,304,000	50%	4,000.0	$61,532.70	$64,540.95	$3,008.25	4.89%	$83,790.61	$83,636.12	-$154.49	-0.18%	$145,323.31	$148,177.07	$2,853.76	1.96%
2,304,000	40%	4,000.0	$61,532.70	$64,540.95	$3,008.25	4.89%	$80,523.50	$80,369.01	-$154.49	-0.19%	$142,056.20	$144,909.96	$2,853.76	2.01%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$2,000.00	$2,038.00
Delivery Charge	$/kW	$10.77	$11.72
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.15	$0.15
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.85000	-$1.08000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.03681	$0.03681
Energy Charge Off-peak (includes capacity)	$/kWh	$0.02277	$0.02277
Merchant Function Charge	$/kWh	$0.00046	$0.00039
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3A-LARGE GENERAL SERVICE (PRIMARY)
Central Region (Load Zones 2C, 3E and 31D)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
777,600	60%	2,700.0	$36,195.77	$38,239.07	$2,043.30	5.65%	$28,454.73	$28,400.83	-$53.90	-0.19%	$64,650.49	$66,639.90	$1,989.40	3.08%
777,600	50%	2,700.0	$36,195.77	$38,239.07	$2,043.30	5.65%	$27,442.37	$27,388.47	-$53.90	-0.20%	$63,638.14	$65,627.54	$1,989.40	3.13%
777,600	40%	2,700.0	$36,195.77	$38,239.07	$2,043.30	5.65%	$26,430.01	$26,376.11	-$53.90	-0.20%	$62,625.78	$64,615.18	$1,989.40	3.18%
1,166,400	60%	2,700.0	$39,200.22	$41,243.52	$2,043.30	5.21%	$42,682.09	$42,601.25	-$80.85	-0.19%	$81,882.31	$83,844.77	$1,962.45	2.40%
1,166,400	50%	2,700.0	$39,200.22	$41,243.52	$2,043.30	5.21%	$41,163.56	$41,082.71	-$80.85	-0.20%	$80,363.78	$82,326.23	$1,962.45	2.44%
1,166,400	40%	2,700.0	$39,200.22	$41,243.52	$2,043.30	5.21%	$39,645.02	$39,564.17	-$80.85	-0.20%	$78,845.24	$80,807.69	$1,962.45	2.49%
1,555,200	60%	2,700.0	$42,204.68	$44,247.98	$2,043.30	4.84%	$56,909.46	$56,801.66	-$107.79	-0.19%	$99,114.13	$101,049.64	$1,935.50	1.95%
1,555,200	50%	2,700.0	$42,204.68	$44,247.98	$2,043.30	4.84%	$54,884.74	$54,776.95	-$107.79	-0.20%	$97,089.42	$99,024.92	$1,935.50	1.99%
1,555,200	40%	2,700.0	$42,204.68	$44,247.98	$2,043.30	4.84%	$52,860.02	$52,752.23	-$107.79	-0.20%	$95,064.70	$97,000.20	$1,935.50	2.04%
1,008,000	60%	3,500.0	$46,309.52	$48,946.63	$2,637.11	5.69%	$36,885.76	$36,815.89	-$69.87	-0.19%	$83,195.28	$85,762.52	$2,567.25	3.09%
1,008,000	50%	3,500.0	$46,309.52	$48,946.63	$2,637.11	5.69%	$35,573.44	$35,503.58	-$69.87	-0.20%	$81,882.96	$84,450.21	$2,567.25	3.14%
1,008,000	40%	3,500.0	$46,309.52	$48,946.63	$2,637.11	5.69%	$34,261.13	$34,191.26	-$69.87	-0.20%	$80,570.64	$83,137.89	$2,567.25	3.19%
1,512,000	60%	3,500.0	$50,204.18	$52,841.29	$2,637.11	5.25%	$55,328.64	$55,223.84	-$104.80	-0.19%	$105,532.82	$108,065.13	$2,532.31	2.40%
1,512,000	50%	3,500.0	$50,204.18	$52,841.29	$2,637.11	5.25%	$53,360.16	$53,255.36	-$104.80	-0.20%	$103,564.35	$106,096.66	$2,532.31	2.45%
1,512,000	40%	3,500.0	$50,204.18	$52,841.29	$2,637.11	5.25%	$51,391.69	$51,286.89	-$104.80	-0.20%	$101,595.87	$104,128.18	$2,532.31	2.49%
2,016,000	60%	3,500.0	$54,098.85	$56,735.96	$2,637.11	4.87%	$73,771.52	$73,631.79	-$139.73	-0.19%	$127,870.36	$130,367.74	$2,497.38	1.95%
2,016,000	50%	3,500.0	$54,098.85	$56,735.96	$2,637.11	4.87%	$71,146.89	$71,007.15	-$139.73	-0.20%	$125,245.73	$127,743.11	$2,497.38	1.99%
2,016,000	40%	3,500.0	$54,098.85	$56,735.96	$2,637.11	4.87%	$68,522.25	$68,382.52	-$139.73	-0.20%	$122,621.10	$125,118.48	$2,497.38	2.04%
1,152,000	60%	4,000.0	$52,630.61	$55,638.86	$3,008.25	5.72%	$42,155.15	$42,075.31	-$79.85	-0.19%	$94,785.77	$97,714.17	$2,928.40	3.09%
1,152,000	50%	4,000.0	$52,630.61	$55,638.86	$3,008.25	5.72%	$40,655.36	$40,575.52	-$79.85	-0.20%	$93,285.98	$96,214.37	$2,928.40	3.14%
1,152,000	40%	4,000.0	$52,630.61	$55,638.86	$3,008.25	5.72%	$39,155.57	$39,075.72	-$79.85	-0.20%	$91,786.18	$94,714.58	$2,928.40	3.19%
1,728,000	60%	4,000.0	$57,081.66	$60,089.90	$3,008.25	5.27%	$63,232.73	$63,112.96	-$119.77	-0.19%	$120,314.39	$123,202.86	$2,888.48	2.40%
1,728,000	50%	4,000.0	$57,081.66	$60,089.90	$3,008.25	5.27%	$60,983.04	$60,863.27	-$119.77	-0.20%	$118,064.70	$120,953.18	$2,888.48	2.45%
1,728,000	40%	4,000.0	$57,081.66	$60,089.90	$3,008.25	5.27%	$58,733.36	$58,613.59	-$119.77	-0.20%	$115,815.02	$118,703.49	$2,888.48	2.49%
2,304,000	60%	4,000.0	$61,532.70	$64,540.95	$3,008.25	4.89%	$84,310.31	$84,150.61	-$159.70	-0.19%	$145,843.01	$148,691.56	$2,848.55	1.95%
2,304,000	50%	4,000.0	$61,532.70	$64,540.95	$3,008.25	4.89%	$81,310.73	$81,151.03	-$159.70	-0.20%	$142,843.43	$145,691.98	$2,848.55	1.99%
2,304,000	40%	4,000.0	$61,532.70	$64,540.95	$3,008.25	4.89%	$78,311.15	$78,151.45	-$159.70	-0.20%	$139,843.85	$142,692.40	$2,848.55	2.04%
3,888,000	60%	13,500.0	$172,731.41	$182,791.20	$10,059.79	5.82%	$142,273.64	$142,004.16	-$269.49	-0.19%	$315,005.05	$324,795.36	$9,790.31	3.11%
3,888,000	50%	13,500.0	$172,731.41	$182,791.20	$10,059.79	5.82%	$137,211.85	$136,942.36	-$269.49	-0.20%	$309,943.26	$319,733.57	$9,790.31	3.16%
3,888,000	40%	13,500.0	$172,731.41	$182,791.20	$10,059.79	5.82%	$132,150.06	$131,880.57	-$269.49	-0.20%	$304,881.47	$314,671.77	$9,790.31	3.21%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$2,000.00	$2,038.00
Delivery Charge	$/kW	$10.77	$11.72
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.15	$0.15
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.85000	-$1.08000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.03518	$0.03518
Energy Charge Off-peak (includes capacity)	$/kWh	$0.02229	$0.02229
Merchant Function Charge	$/kWh	$0.00045	$0.00038
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3A-LARGE GENERAL SERVICE (SUBTRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$15,921.11	$16,590.18	$669.07	4.20%	$26,137.23	$26,086.87	-$50.36	-0.19%	$42,058.33	$42,677.05	$618.72	1.47%
720,000	50%	2,500.0	$15,921.11	$16,590.18	$669.07	4.20%	$25,198.91	$25,148.56	-$50.36	-0.20%	$41,120.02	$41,738.74	$618.72	1.50%
720,000	40%	2,500.0	$15,921.11	$16,590.18	$669.07	4.20%	$24,260.60	$24,210.25	-$50.36	-0.21%	$40,181.71	$40,800.43	$618.72	1.54%
1,080,000	60%	2,500.0	$18,703.01	$19,372.08	$669.07	3.58%	$39,205.84	$39,130.30	-$75.53	-0.19%	$57,908.85	$58,502.39	$593.54	1.02%
1,080,000	50%	2,500.0	$18,703.01	$19,372.08	$669.07	3.58%	$37,798.37	$37,722.84	-$75.53	-0.20%	$56,501.38	$57,094.92	$593.54	1.05%
1,080,000	40%	2,500.0	$18,703.01	$19,372.08	$669.07	3.58%	$36,390.90	$36,315.37	-$75.53	-0.21%	$55,093.91	$55,687.45	$593.54	1.08%
1,440,000	60%	2,500.0	$21,484.91	$22,153.99	$669.07	3.11%	$52,274.45	$52,173.74	-$100.71	-0.19%	$73,759.36	$74,327.73	$568.36	0.77%
1,440,000	50%	2,500.0	$21,484.91	$22,153.99	$669.07	3.11%	$50,397.83	$50,297.11	-$100.71	-0.20%	$71,882.74	$72,451.10	$568.36	0.79%
1,440,000	40%	2,500.0	$21,484.91	$22,153.99	$669.07	3.11%	$48,521.20	$48,420.49	-$100.71	-0.21%	$70,006.12	$70,574.48	$568.36	0.81%
1,094,400	60%	3,800.0	$22,896.33	$23,887.05	$990.72	4.33%	$39,728.58	$39,652.04	-$76.54	-0.19%	$62,624.91	$63,539.10	$914.18	1.46%
1,094,400	50%	3,800.0	$22,896.33	$23,887.05	$990.72	4.33%	$38,302.35	$38,225.81	-$76.54	-0.20%	$61,198.68	$62,112.86	$914.18	1.49%
1,094,400	40%	3,800.0	$22,896.33	$23,887.05	$990.72	4.33%	$36,876.11	$36,799.57	-$76.54	-0.21%	$59,772.45	$60,686.63	$914.18	1.53%
1,641,600	60%	3,800.0	$27,124.82	$28,115.55	$990.72	3.65%	$59,592.87	$59,478.06	-$114.81	-0.19%	$86,717.70	$87,593.61	$875.91	1.01%
1,641,600	50%	3,800.0	$27,124.82	$28,115.55	$990.72	3.65%	$57,453.52	$57,338.71	-$114.81	-0.20%	$84,578.35	$85,454.26	$875.91	1.04%
1,641,600	40%	3,800.0	$27,124.82	$28,115.55	$990.72	3.65%	$55,314.17	$55,199.36	-$114.81	-0.21%	$82,438.99	$83,314.91	$875.91	1.06%
2,188,800	60%	3,800.0	$31,353.32	$32,344.04	$990.72	3.16%	$79,457.16	$79,304.08	-$153.08	-0.19%	$110,810.48	$111,648.12	$837.64	0.76%
2,188,800	50%	3,800.0	$31,353.32	$32,344.04	$990.72	3.16%	$76,604.70	$76,451.61	-$153.08	-0.20%	$107,958.01	$108,795.65	$837.64	0.78%
2,188,800	40%	3,800.0	$31,353.32	$32,344.04	$990.72	3.16%	$73,752.23	$73,599.15	-$153.08	-0.21%	$105,105.54	$105,943.18	$837.64	0.80%
1,152,000	60%	4,000.0	$23,969.44	$25,009.65	$1,040.21	4.34%	$41,819.56	$41,738.99	-$80.57	-0.19%	$65,789.00	$66,748.64	$959.64	1.46%
1,152,000	50%	4,000.0	$23,969.44	$25,009.65	$1,040.21	4.34%	$40,318.26	$40,237.69	-$80.57	-0.20%	$64,287.70	$65,247.34	$959.64	1.49%
1,152,000	40%	4,000.0	$23,969.44	$25,009.65	$1,040.21	4.34%	$38,816.96	$38,736.39	-$80.57	-0.21%	$62,786.40	$63,746.04	$959.64	1.53%
1,728,000	60%	4,000.0	$28,420.49	$29,460.69	$1,040.21	3.66%	$62,729.34	$62,608.49	-$120.85	-0.19%	$91,149.83	$92,069.18	$919.35	1.01%
1,728,000	50%	4,000.0	$28,420.49	$29,460.69	$1,040.21	3.66%	$60,477.39	$60,356.54	-$120.85	-0.20%	$88,897.88	$89,817.23	$919.35	1.03%
1,728,000	40%	4,000.0	$28,420.49	$29,460.69	$1,040.21	3.66%	$58,225.44	$58,104.59	-$120.85	-0.21%	$86,645.93	$87,565.28	$919.35	1.06%
2,304,000	60%	4,000.0	$32,871.53	$33,911.74	$1,040.21	3.16%	$83,639.12	$83,477.98	-$161.14	-0.19%	$116,510.65	$117,389.72	$879.07	0.75%
2,304,000	50%	4,000.0	$32,871.53	$33,911.74	$1,040.21	3.16%	$80,636.52	$80,475.38	-$161.14	-0.20%	$113,508.05	$114,387.12	$879.07	0.77%
2,304,000	40%	4,000.0	$32,871.53	$33,911.74	$1,040.21	3.16%	$77,633.92	$77,472.78	-$161.14	-0.21%	$110,505.46	$111,384.52	$879.07	0.80%
3,888,000	60%	13,500.0	$74,942.23	$78,332.95	$3,390.72	4.52%	$141,141.02	$140,869.10	-$271.92	-0.19%	$216,083.25	$219,202.05	$3,118.80	1.44%
3,888,000	50%	13,500.0	$74,942.23	$78,332.95	$3,390.72	4.52%	$136,074.13	$135,802.21	-$271.92	-0.20%	$211,016.36	$214,135.16	$3,118.80	1.48%
3,888,000	40%	13,500.0	$74,942.23	$78,332.95	$3,390.72	4.52%	$131,007.24	$130,735.32	-$271.92	-0.21%	$205,949.48	$209,068.28	$3,118.80	1.51%
5,832,000	60%	13,500.0	$89,964.51	$93,355.23	$3,390.72	3.77%	$211,711.52	$211,303.64	-$407.88	-0.19%	$301,676.03	$304,658.87	$2,982.84	0.99%
5,832,000	50%	13,500.0	$89,964.51	$93,355.23	$3,390.72	3.77%	$204,111.19	$203,703.32	-$407.88	-0.20%	$294,075.70	$297,058.55	$2,982.84	1.01%
5,832,000	40%	13,500.0	$89,964.51	$93,355.23	$3,390.72	3.77%	$196,510.87	$196,102.99	-$407.88	-0.21%	$286,475.37	$289,458.22	$2,982.84	1.04%
7,776,000	60%	13,500.0	$104,986.78	$108,377.51	$3,390.72	3.23%	$282,282.03	$281,738.19	-$543.84	-0.19%	$387,268.82	$390,115.70	$2,846.88	0.74%
7,776,000	50%	13,500.0	$104,986.78	$108,377.51	$3,390.72	3.23%	$272,148.26	$271,604.42	-$543.84	-0.20%	$377,135.04	$379,981.93	$2,846.88	0.75%
7,776,000	40%	13,500.0	$104,986.78	$108,377.51	$3,390.72	3.23%	$262,014.49	$261,470.65	-$543.84	-0.21%	$367,001.27	$369,848.15	$2,846.88	0.78%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$2,432.00	$2,481.00
Delivery Charge	$/kW	$3.76	$4.19
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.89000	-$1.08000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.03489	$0.03489
Energy Charge Off-peak (includes capacity)	$/kWh	$0.02199	$0.02199
Merchant Function Charge	$/kWh	$0.00045	$0.00038
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3A-LARGE GENERAL SERVICE (TRANSMISSION)
Central Region (Load Zones 2C, 3E and 31D)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$17,841.73	$19,376.78	$1,535.05	8.60%	$25,251.03	$25,198.98	-$52.05	-0.21%	$43,092.76	$44,575.76	$1,483.00	3.44%
720,000	50%	2,500.0	$17,841.73	$19,376.78	$1,535.05	8.60%	$24,393.25	$24,341.20	-$52.05	-0.21%	$42,234.98	$43,717.98	$1,483.00	3.51%
720,000	40%	2,500.0	$17,841.73	$19,376.78	$1,535.05	8.60%	$23,535.47	$23,483.42	-$52.05	-0.22%	$41,377.19	$42,860.20	$1,483.00	3.58%
1,080,000	60%	2,500.0	$20,623.63	$22,158.68	$1,535.05	7.44%	$37,876.55	$37,798.48	-$78.07	-0.21%	$58,500.18	$59,957.16	$1,456.98	2.49%
1,080,000	50%	2,500.0	$20,623.63	$22,158.68	$1,535.05	7.44%	$36,589.88	$36,511.80	-$78.07	-0.21%	$57,213.51	$58,670.48	$1,456.98	2.55%
1,080,000	40%	2,500.0	$20,623.63	$22,158.68	$1,535.05	7.44%	$35,303.20	$35,225.13	-$78.07	-0.22%	$55,926.83	$57,383.81	$1,456.98	2.61%
1,440,000	60%	2,500.0	$23,405.53	$24,940.58	$1,535.05	6.56%	$50,502.07	$50,397.97	-$104.10	-0.21%	$73,907.60	$75,338.55	$1,430.95	1.94%
1,440,000	50%	2,500.0	$23,405.53	$24,940.58	$1,535.05	6.56%	$48,786.50	$48,682.40	-$104.10	-0.21%	$72,192.03	$73,622.99	$1,430.95	1.98%
1,440,000	40%	2,500.0	$23,405.53	$24,940.58	$1,535.05	6.56%	$47,070.94	$46,966.84	-$104.10	-0.22%	$70,476.47	$71,907.42	$1,430.95	2.03%
1,152,000	60%	4,000.0	$25,441.61	$27,827.18	$2,385.57	9.38%	$40,401.65	$40,318.37	-$83.28	-0.21%	$65,843.26	$68,145.55	$2,302.29	3.50%
1,152,000	50%	4,000.0	$25,441.61	$27,827.18	$2,385.57	9.38%	$39,029.20	$38,945.92	-$83.28	-0.21%	$64,470.81	$66,773.10	$2,302.29	3.57%
1,152,000	40%	4,000.0	$25,441.61	$27,827.18	$2,385.57	9.38%	$37,656.75	$37,573.47	-$83.28	-0.22%	$63,098.36	$65,400.65	$2,302.29	3.65%
1,728,000	60%	4,000.0	$29,892.65	$32,278.22	$2,385.57	7.98%	$60,602.48	$60,477.56	-$124.92	-0.21%	$90,495.13	$92,755.78	$2,260.65	2.50%
1,728,000	50%	4,000.0	$29,892.65	$32,278.22	$2,385.57	7.98%	$58,543.80	$58,418.88	-$124.92	-0.21%	$88,436.45	$90,697.10	$2,260.65	2.56%
1,728,000	40%	4,000.0	$29,892.65	$32,278.22	$2,385.57	7.98%	$56,485.12	$56,360.21	-$124.92	-0.22%	$86,377.78	$88,638.43	$2,260.65	2.62%
2,304,000	60%	4,000.0	$34,343.70	$36,729.26	$2,385.57	6.95%	$80,803.31	$80,636.75	-$166.56	-0.21%	$115,147.00	$117,366.01	$2,219.01	1.93%
2,304,000	50%	4,000.0	$34,343.70	$36,729.26	$2,385.57	6.95%	$78,058.40	$77,891.85	-$166.56	-0.21%	$112,402.10	$114,621.11	$2,219.01	1.97%
2,304,000	40%	4,000.0	$34,343.70	$36,729.26	$2,385.57	6.95%	$75,313.50	$75,146.94	-$166.56	-0.22%	$109,657.19	$111,876.21	$2,219.01	2.02%
2,620,800	60%	9,100.0	$51,281.21	$56,558.53	$5,277.32	10.29%	$91,913.76	$91,724.30	-$189.46	-0.21%	$143,194.97	$148,282.83	$5,087.86	3.55%
2,620,800	50%	9,100.0	$51,281.21	$56,558.53	$5,277.32	10.29%	$88,791.43	$88,601.97	-$189.46	-0.21%	$140,072.64	$145,160.50	$5,087.86	3.63%
2,620,800	40%	9,100.0	$51,281.21	$56,558.53	$5,277.32	10.29%	$85,669.10	$85,479.65	-$189.46	-0.22%	$136,950.31	$142,038.17	$5,087.86	3.72%
3,931,200	60%	9,100.0	$61,407.33	$66,684.65	$5,277.32	8.59%	$137,870.64	$137,586.45	-$284.19	-0.21%	$199,277.97	$204,271.11	$4,993.13	2.51%
3,931,200	50%	9,100.0	$61,407.33	$66,684.65	$5,277.32	8.59%	$133,187.15	$132,902.96	-$284.19	-0.21%	$194,594.48	$199,587.61	$4,993.13	2.57%
3,931,200	40%	9,100.0	$61,407.33	$66,684.65	$5,277.32	8.59%	$128,503.65	$128,219.47	-$284.19	-0.22%	$189,910.99	$194,904.12	$4,993.13	2.63%
5,241,600	60%	9,100.0	$71,533.46	$76,810.78	$5,277.32	7.38%	$183,827.52	$183,448.61	-$378.91	-0.21%	$255,360.98	$260,259.38	$4,898.41	1.92%
5,241,600	50%	9,100.0	$71,533.46	$76,810.78	$5,277.32	7.38%	$177,582.86	$177,203.95	-$378.91	-0.21%	$249,116.32	$254,014.73	$4,898.41	1.97%
5,241,600	40%	9,100.0	$71,533.46	$76,810.78	$5,277.32	7.38%	$171,338.21	$170,959.29	-$378.91	-0.22%	$242,871.66	$247,770.07	$4,898.41	2.02%
3,888,000	60%	13,500.0	$73,574.19	$81,346.36	$7,772.16	10.56%	$136,355.58	$136,074.52	-$281.06	-0.21%	$209,929.77	$217,420.87	$7,491.10	3.57%
3,888,000	50%	13,500.0	$73,574.19	$81,346.36	$7,772.16	10.56%	$131,723.55	$131,442.49	-$281.06	-0.21%	$205,297.74	$212,788.85	$7,491.10	3.65%
3,888,000	40%	13,500.0	$73,574.19	$81,346.36	$7,772.16	10.56%	$127,091.53	$126,810.46	-$281.06	-0.22%	$200,665.72	$208,156.82	$7,491.10	3.73%
5,832,000	60%	13,500.0	$88,596.47	$96,368.63	$7,772.16	8.77%	$204,533.37	$204,111.77	-$421.59	-0.21%	$293,129.83	$300,480.40	$7,350.57	2.51%
5,832,000	50%	13,500.0	$88,596.47	$96,368.63	$7,772.16	8.77%	$197,585.33	$197,163.73	-$421.59	-0.21%	$286,181.80	$293,532.37	$7,350.57	2.57%
5,832,000	40%	13,500.0	$88,596.47	$96,368.63	$7,772.16	8.77%	$190,637.29	$190,215.69	-$421.59	-0.22%	$279,233.76	$286,584.33	$7,350.57	2.63%
7,776,000	60%	13,500.0	$103,618.74	$111,390.91	$7,772.16	7.50%	$272,711.16	$272,149.03	-$562.13	-0.21%	$376,329.90	$383,539.94	$7,210.04	1.92%
7,776,000	50%	13,500.0	$103,618.74	$111,390.91	$7,772.16	7.50%	$263,447.10	$262,884.98	-$562.13	-0.21%	$367,065.85	$374,275.89	$7,210.04	1.96%
7,776,000	40%	13,500.0	$103,618.74	$111,390.91	$7,772.16	7.50%	$254,183.05	$253,620.93	-$562.13	-0.22%	$357,801.80	$365,011.83	$7,210.04	2.02%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$5,020.00	$5,134.00
Delivery Charge	$/kW	$3.39	$4.04
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.17	$0.17
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.84000	-$0.94000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.03324	$0.03324
Energy Charge Off-peak (includes capacity)	$/kWh	$0.02145	$0.02145
Merchant Function Charge	$/kWh	$0.00044	$0.00037
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC1-RESIDENTIAL
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

	Delivery				Supply				Total			
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
100	$24.69	$25.60	$0.90	3.66%	$5.13	$5.09	($0.04)	-0.74%	$29.82	$30.69	$0.87	2.90%
200	$31.86	$33.33	$1.47	4.60%	$10.26	$10.18	($0.08)	-0.74%	$42.12	$43.51	$1.39	3.30%
300	$39.03	$41.06	$2.03	5.20%	$15.39	$15.28	($0.11)	-0.74%	$54.42	$56.33	$1.92	3.52%
400	$46.19	$48.79	$2.59	5.61%	$20.52	$20.37	($0.15)	-0.74%	$66.71	$69.15	$2.44	3.66%
500	$53.36	$56.52	$3.15	5.91%	$25.65	$25.46	($0.19)	-0.74%	$79.01	$81.97	$2.96	3.75%
600	$60.53	$64.25	$3.72	6.14%	$30.78	$30.55	($0.23)	-0.74%	$91.31	$94.80	$3.49	3.82%
700	$67.69	$71.98	$4.28	6.32%	$35.91	$35.64	($0.27)	-0.74%	$103.60	$107.62	$4.01	3.88%
800	$74.86	$79.70	$4.84	6.47%	$41.04	$40.73	($0.30)	-0.74%	$115.90	$120.44	$4.54	3.92%
900	$82.03	$87.43	$5.41	6.59%	$46.17	$45.83	($0.34)	-0.74%	$128.20	$133.26	$5.06	3.95%
1,000	$89.20	$95.16	$5.97	6.69%	$51.30	$50.92	($0.38)	-0.74%	$140.49	$146.08	$5.59	3.98%
1,100	$96.36	$102.89	$6.53	6.78%	$56.43	$56.01	($0.42)	-0.74%	$152.79	$158.90	$6.11	4.00%
1,200	$103.53	$110.62	$7.09	6.85%	$61.56	$61.10	($0.46)	-0.74%	$165.09	$171.73	$6.64	4.02%
1,300	$110.70	$118.35	$7.66	6.92%	$66.69	$66.19	($0.49)	-0.74%	$177.38	$184.55	$7.16	4.04%
1,400	$117.86	$126.08	$8.22	6.97%	$71.82	$71.29	($0.53)	-0.74%	$189.68	$197.37	$7.69	4.05%
1,500	$125.03	$133.81	$8.78	7.03%	$76.95	$76.38	($0.57)	-0.74%	$201.98	$210.19	$8.21	4.07%
1,600	$132.20	$141.54	$9.35	7.07%	$82.08	$81.47	($0.61)	-0.74%	$214.27	$223.01	$8.74	4.08%
1,700	$139.36	$149.27	$9.91	7.11%	$87.21	$86.56	($0.64)	-0.74%	$226.57	$235.83	$9.26	4.09%
1,800	$146.53	$157.00	$10.47	7.15%	$92.34	$91.65	($0.68)	-0.74%	$238.87	$248.66	$9.79	4.10%
1,900	$153.70	$164.73	$11.04	7.18%	$97.47	$96.74	($0.72)	-0.74%	$251.16	$261.48	$10.31	4.11%
2,000	$160.87	$172.46	$11.60	7.21%	$102.60	$101.84	($0.76)	-0.74%	$263.46	$274.30	$10.84	4.11%
2,200	$175.20	$187.92	$12.72	7.26%	$112.85	$112.02	($0.83)	-0.74%	$288.05	$299.94	$11.89	4.13%
2,400	$189.53	$203.38	$13.85	7.31%	$123.11	$122.20	($0.91)	-0.74%	$312.65	$325.59	$12.94	4.14%
2,600	$203.87	$218.84	$14.98	7.35%	$133.37	$132.39	($0.99)	-0.74%	$337.24	$351.23	$13.99	4.15%
2,800	$218.20	$234.30	$16.10	7.38%	$143.63	$142.57	($1.06)	-0.74%	$361.83	$376.87	$15.04	4.16%
3,000	$232.54	$249.76	$17.23	7.41%	$153.89	$152.75	($1.14)	-0.74%	$386.43	$402.52	$16.09	4.16%
3,200	$246.87	$265.22	$18.35	7.43%	$164.15	$162.94	($1.21)	-0.74%	$411.02	$428.16	$17.14	4.17%
3,400	$261.20	$280.68	$19.48	7.46%	$174.41	$173.12	($1.29)	-0.74%	$435.62	$453.80	$18.19	4.18%
3,600	$275.54	$296.14	$20.60	7.48%	$184.67	$183.31	($1.37)	-0.74%	$460.21	$479.45	$19.24	4.18%
3,800	$289.87	$311.60	$21.73	7.50%	$194.93	$193.49	($1.44)	-0.74%	$484.80	$505.09	$20.29	4.18%
4,000	$304.20	$327.06	$22.86	7.51%	$205.19	$203.67	($1.52)	-0.74%	$509.40	$530.73	$21.34	4.19%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$17.00	$17.33
Delivery Charge	$/kWh	$0.06143	$0.06689
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kWh	$0.00011	$0.00011
Earnings Adjustment Mechanism	$/kWh	$0.00048	$0.00048
Value of Distributed Energy Resources	$/kWh	$0.00000	$0.00000
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.04054	$0.04054
Electricity Supply Reconciliation Mechanism	$/kWh	$0.00269	$0.00269
Merchant Function Charge	$/kWh	$0.00180	$0.00143
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC1-RESIDENTIAL (Low Income)
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

	Delivery				Commodity				Total			
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
100	-$6.24	-$5.33	$0.90	14.48%	$5.13	$5.09	-$0.04	-0.74%	-$1.11	-$0.24	$0.87	78.27%
200	$0.93	$2.40	$1.47	157.31%	$10.26	$10.18	-$0.08	-0.74%	$11.19	$12.58	$1.39	12.42%
300	$8.10	$10.13	$2.03	25.05%	$15.39	$15.28	-$0.11	-0.74%	$23.49	$25.40	$1.92	8.15%
400	$15.27	$17.86	$2.59	16.98%	$20.52	$20.37	-$0.15	-0.74%	$35.78	$38.22	$2.44	6.82%
500	$22.43	$25.59	$3.15	14.06%	$25.65	$25.46	-$0.19	-0.74%	$48.08	$51.05	$2.96	6.17%
600	$29.60	$33.32	$3.72	12.56%	$30.78	$30.55	-$0.23	-0.74%	$60.38	$63.87	$3.49	5.78%
700	$36.77	$41.05	$4.28	11.64%	$35.91	$35.64	-$0.27	-0.74%	$72.68	$76.69	$4.01	5.52%
800	$43.93	$48.78	$4.84	11.02%	$41.04	$40.73	-$0.30	-0.74%	$84.97	$89.51	$4.54	5.34%
900	$51.10	$56.51	$5.41	10.58%	$46.17	$45.83	-$0.34	-0.74%	$97.27	$102.33	$5.06	5.21%
1,000	$58.27	$64.24	$5.97	10.24%	$51.30	$50.92	-$0.38	-0.74%	$109.57	$115.16	$5.59	5.10%
1,100	$65.43	$71.97	$6.53	9.98%	$56.43	$56.01	-$0.42	-0.74%	$121.86	$127.98	$6.11	5.02%
1,200	$72.60	$79.70	$7.09	9.77%	$61.56	$61.10	-$0.46	-0.74%	$134.16	$140.80	$6.64	4.95%
1,300	$79.77	$87.43	$7.66	9.60%	$66.69	$66.19	-$0.49	-0.74%	$146.46	$153.62	$7.16	4.89%
1,400	$86.94	$95.16	$8.22	9.46%	$71.82	$71.29	-$0.53	-0.74%	$158.75	$166.44	$7.69	4.84%
1,500	$94.10	$102.89	$8.78	9.33%	$76.95	$76.38	-$0.57	-0.74%	$171.05	$179.26	$8.21	4.80%
1,600	$101.27	$110.62	$9.35	9.23%	$82.08	$81.47	-$0.61	-0.74%	$183.35	$192.09	$8.74	4.77%
1,700	$108.44	$118.35	$9.91	9.14%	$87.21	$86.56	-$0.64	-0.74%	$195.64	$204.91	$9.26	4.74%
1,800	$115.60	$126.08	$10.47	9.06%	$92.34	$91.65	-$0.68	-0.74%	$207.94	$217.73	$9.79	4.71%
1,900	$122.77	$133.81	$11.04	8.99%	$97.47	$96.74	-$0.72	-0.74%	$220.24	$230.55	$10.31	4.68%
2,000	$129.94	$141.54	$11.60	8.93%	$102.60	$101.84	-$0.76	-0.74%	$232.53	$243.37	$10.84	4.66%
2,200	$144.27	$157.00	$12.72	8.82%	$112.85	$112.02	-$0.83	-0.74%	$257.13	$269.02	$11.89	4.62%
2,400	$158.61	$172.45	$13.85	8.73%	$123.11	$122.20	-$0.91	-0.74%	$281.72	$294.66	$12.94	4.59%
2,600	$172.94	$187.91	$14.98	8.66%	$133.37	$132.39	-$0.99	-0.74%	$306.31	$320.30	$13.99	4.57%
2,800	$187.27	$203.37	$16.10	8.60%	$143.63	$142.57	-$1.06	-0.74%	$330.91	$345.95	$15.04	4.54%
3,000	$201.61	$218.83	$17.23	8.54%	$153.89	$152.75	-$1.14	-0.74%	$355.50	$371.59	$16.09	4.53%
3,200	$215.94	$234.29	$18.35	8.50%	$164.15	$162.94	-$1.21	-0.74%	$380.09	$397.23	$17.14	4.51%
3,400	$230.28	$249.75	$19.48	8.46%	$174.41	$173.12	-$1.29	-0.74%	$404.69	$422.88	$18.19	4.49%
3,600	$244.61	$265.21	$20.60	8.42%	$184.67	$183.31	-$1.37	-0.74%	$429.28	$448.52	$19.24	4.48%
3,800	$258.94	$280.67	$21.73	8.39%	$194.93	$193.49	-$1.44	-0.74%	$453.87	$474.16	$20.29	4.47%
4,000	$273.28	$296.13	$22.86	8.36%	$205.19	$203.67	-$1.52	-0.74%	$478.47	$499.81	$21.34	4.46%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	-$13.00	-$12.67
Delivery Charge	$/kWh	$0.06143	$0.06689
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kWh	$0.00011	$0.00011
Earnings Adjustment Mechanism	$/kWh	$0.00048	$0.00048
Value of Distributed Energy Resources	$/kWh	$0.00000	$0.00000
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.04054	$0.04054
Electricity Supply Reconciliation Mechanism	$/kWh	$0.00269	$0.00269
Merchant Function Charge	$/kWh	$0.00180	$0.00143
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC-1C RESIDENTIAL
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

	Delivery				Commodity				Total			
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
500	$53.06	$54.15	$1.09	2.06%	$24.48	$24.29	-$0.19	-0.77%	$77.54	$78.44	$0.90	1.16%
800	$66.33	$67.70	$1.36	2.06%	$837.72	$837.72	$0.00	0.00%	$904.05	$905.42	$1.36	0.15%
1,100	$79.61	$81.25	$1.64	2.06%	$1,145.47	$1,145.47	$0.00	0.00%	$1,225.08	$1,226.71	$1.64	0.13%
1,400	$92.89	$94.80	$1.91	2.06%	$57.87	$57.87	$0.00	0.00%	$150.75	$152.66	$1.91	1.27%
1,700	$106.16	$108.35	$2.18	2.05%	$70.27	$70.27	$0.00	0.00%	$176.43	$178.61	$2.18	1.24%
2,000	$119.44	$121.89	$2.45	2.05%	$82.67	$82.67	$0.00	0.00%	$202.11	$204.56	$2.45	1.21%
2,300	$132.72	$135.44	$2.73	2.05%	$95.07	$95.07	$0.00	0.00%	$227.78	$230.51	$2.73	1.20%
2,600	$146.00	$148.99	$3.00	2.05%	$107.47	$107.47	$0.00	0.00%	$253.46	$256.46	$3.00	1.18%
2,900	$159.27	$162.54	$3.27	2.05%	$119.87	$119.87	$0.00	0.00%	$279.14	$282.41	$3.27	1.17%
3,200	$172.55	$176.09	$3.54	2.05%	$132.27	$132.27	$0.00	0.00%	$304.81	$308.36	$3.54	1.16%
3,500	$185.83	$189.64	$3.81	2.05%	$144.67	$144.67	$0.00	0.00%	$330.49	$334.31	$3.81	1.15%
3,800	$199.10	$203.19	$4.09	2.05%	$157.07	$157.07	$0.00	0.00%	$356.17	$360.26	$4.09	1.15%
4,100	$212.38	$216.74	$4.36	2.05%	$169.47	$169.47	$0.00	0.00%	$381.85	$386.20	$4.36	1.14%
4,500	$230.08	$234.80	$4.72	2.05%	$186.00	$186.00	$0.00	0.00%	$416.08	$420.80	$4.72	1.13%
5,000	$252.21	$257.39	$5.18	2.05%	$206.66	$206.66	$0.00	0.00%	$458.88	$464.05	$5.18	1.13%
5,300	$265.49	$270.94	$5.45	2.05%	$219.06	$219.06	$0.00	0.00%	$484.55	$490.00	$5.45	1.12%
5,600	$278.77	$284.49	$5.72	2.05%	$231.46	$231.46	$0.00	0.00%	$510.23	$515.95	$5.72	1.12%
5,900	$292.04	$298.03	$5.99	2.05%	$243.86	$243.86	$0.00	0.00%	$535.91	$541.90	$5.99	1.12%
6,200	$305.32	$311.58	$6.26	2.05%	$256.26	$256.26	$0.00	0.00%	$561.58	$567.85	$6.26	1.12%
6,500	$318.60	$325.13	$6.54	2.05%	$268.66	$268.66	$0.00	0.00%	$587.26	$593.80	$6.54	1.11%
6,800	$331.87	$338.68	$6.81	2.05%	$281.06	$281.06	$0.00	0.00%	$612.94	$619.75	$6.81	1.11%
7,100	$345.15	$352.23	$7.08	2.05%	$293.46	$293.46	$0.00	0.00%	$638.61	$645.70	$7.08	1.11%
7,400	$358.43	$365.78	$7.35	2.05%	$305.86	$305.86	$0.00	0.00%	$664.29	$671.64	$7.35	1.11%
7,700	$371.70	$379.33	$7.62	2.05%	$318.26	$318.26	$0.00	0.00%	$689.97	$697.59	$7.62	1.11%
8,000	$384.98	$392.88	$7.90	2.05%	$330.66	$330.66	$0.00	0.00%	$715.65	$723.54	$7.90	1.10%
8,300	$398.26	$406.43	$8.17	2.05%	$343.06	$343.06	$0.00	0.00%	$741.32	$749.49	$8.17	1.10%
8,600	$411.54	$419.98	$8.44	2.05%	$355.46	$355.46	$0.00	0.00%	$767.00	$775.44	$8.44	1.10%
8,900	$424.81	$433.53	$8.71	2.05%	$367.86	$367.86	$0.00	0.00%	$792.68	$801.39	$8.71	1.10%
9,200	$438.09	$447.08	$8.99	2.05%	$380.26	$380.26	$0.00	0.00%	$818.35	$827.34	$8.99	1.10%
9,500	$451.37	$460.62	$9.26	2.05%	$392.66	$392.66	$0.00	0.00%	$844.03	$853.29	$9.26	1.10%
9,800	$464.64	$474.17	$9.53	2.05%	$405.06	$405.06	$0.00	0.00%	$869.71	$879.24	$9.53	1.10%
10,100	$477.92	$487.72	$9.80	2.05%	$417.46	$417.46	$0.00	0.00%	$895.38	$905.19	$9.80	1.09%
10,400	$491.20	$501.27	$10.07	2.05%	$429.86	$429.86	$0.00	0.00%	$921.06	$931.13	$10.07	1.09%
10,700	$504.47	$514.82	$10.35	2.05%	$442.26	$442.26	$0.00	0.00%	$946.74	$957.08	$10.35	1.09%
11,000	$517.75	$528.37	$10.62	2.05%	$454.66	$454.66	$0.00	0.00%	$972.41	$983.03	$10.62	1.09%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$30.00	$30.62
Delivery Charge	$/kWh	$0.03494	$0.03582
Transmission Revenue Adjustmen	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kWh	$0.00008	$0.00008
Earnings Adjustment Mechanism	$/kWh	$0.00041	$0.00041
Value of Distributed Energy Resources	$/kWh	$0.00000	$0.00000
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges			Current	Proposed
Energy Charge On-peak (includes capacity)	7%	$/kWh	$0.06644	$0.06644
Energy Charge Shoulder-peak (includes capacity)	12%	$/kWh	$0.05275	$0.05275
Energy Charge Off-peak (includes capacity)	81%	$/kWh	$0.03696	$0.03696
Merchant Function Charge		$/kWh	$0.00180	$0.00143
Clean Energy Standard Supply		$/kWh	$0.00576	$0.00576
GRT Commodity		Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC2-SMALL GENERAL SERVICE (UNMETERED DEMAND)
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

	Delivery				Commodity				Total			
kWh Usage	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
100	$29.46	$30.24	$0.78	2.66%	$5.04	$5.01	($0.04)	-0.75%	$34.50	$35.25	$0.75	2.16%
200	$37.25	$38.81	$1.57	4.21%	$10.09	$10.01	($0.08)	-0.75%	$47.34	$48.83	$1.49	3.15%
300	$45.03	$47.39	$2.35	5.23%	$15.13	$15.02	($0.11)	-0.75%	$60.17	$62.41	$2.24	3.72%
450	$56.72	$60.25	$3.53	6.22%	$22.70	$22.53	($0.17)	-0.75%	$79.42	$82.78	$3.36	4.23%
600	$68.40	$73.10	$4.71	6.88%	$30.27	$30.04	($0.23)	-0.75%	$98.67	$103.15	$4.48	4.54%
700	$76.18	$81.68	$5.49	7.21%	$35.31	$35.05	($0.26)	-0.75%	$111.50	$116.73	$5.23	4.69%
800	$83.97	$90.25	$6.28	7.47%	$40.36	$40.06	($0.30)	-0.75%	$124.33	$130.31	$5.97	4.80%
900	$91.76	$98.82	$7.06	7.69%	$45.40	$45.06	($0.34)	-0.75%	$137.16	$143.88	$6.72	4.90%
1,000	$99.55	$107.39	$7.85	7.88%	$50.45	$50.07	($0.38)	-0.75%	$150.00	$157.46	$7.47	4.98%
1,100	$107.34	$115.97	$8.63	8.04%	$55.49	$55.08	($0.42)	-0.75%	$162.83	$171.04	$8.21	5.04%
1,200	$115.12	$124.54	$9.41	8.18%	$60.54	$60.08	($0.45)	-0.75%	$175.66	$184.62	$8.96	5.10%
1,300	$122.91	$133.11	$10.20	8.30%	$65.58	$65.09	($0.49)	-0.75%	$188.50	$198.20	$9.71	5.15%
1,400	$130.70	$141.68	$10.98	8.40%	$70.63	$70.10	($0.53)	-0.75%	$201.33	$211.78	$10.45	5.19%
1,500	$138.49	$150.26	$11.77	8.50%	$75.67	$75.11	($0.57)	-0.75%	$214.16	$225.36	$11.20	5.23%
1,600	$146.28	$158.83	$12.55	8.58%	$80.72	$80.11	($0.61)	-0.75%	$226.99	$238.94	$11.95	5.26%
1,700	$154.06	$167.40	$13.34	8.66%	$85.76	$85.12	($0.64)	-0.75%	$239.83	$252.52	$12.69	5.29%
1,800	$161.85	$175.97	$14.12	8.73%	$90.81	$90.13	($0.68)	-0.75%	$252.66	$266.10	$13.44	5.32%
1,900	$169.64	$184.55	$14.91	8.79%	$95.85	$95.13	($0.72)	-0.75%	$265.49	$279.68	$14.19	5.34%
2,000	$177.43	$193.12	$15.69	8.84%	$100.90	$100.14	($0.76)	-0.75%	$278.32	$293.26	$14.93	5.37%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$21.02	$21.02
Delivery Charge	$/kWh	$0.06744	$0.07505
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kWh	$0.00013	$0.00013
Earnings Adjustment Mechanism	$/kWh	$0.00048	$0.00048
Value of Distributed Energy Resources	$/kWh	$0.00000	$0.00000
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03972	$0.03972
Electricity Supply Reconciliation Mechanism	$/kWh	$0.00269	$0.00269
Merchant Function Charge	$/kWh	$0.00178	$0.00140
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC2-SMALL GENERAL SERVICE (METERED DEMAND)
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
1,008	7.0	$152.98	$157.87	$4.89	3.19%	$47.70	$47.32	-$0.38	-0.80%	$200.69	$205.19	$4.51	2.25%
1,512	7.0	$156.88	$161.76	$4.89	3.11%	$71.56	$70.98	-$0.57	-0.80%	$228.43	$232.75	$4.32	1.89%
2,016	7.0	$160.77	$165.66	$4.89	3.04%	$95.41	$94.65	-$0.76	-0.80%	$256.18	$260.30	$4.12	1.61%
2,520	7.0	$164.67	$169.55	$4.89	2.97%	$119.26	$118.31	-$0.95	-0.80%	$283.93	$287.86	$3.93	1.39%
2,160	15.0	$265.94	$279.90	$13.96	5.25%	$102.22	$101.41	-$0.82	-0.80%	$368.16	$381.30	$13.14	3.57%
3,240	15.0	$274.28	$288.24	$13.96	5.09%	$153.34	$152.11	-$1.22	-0.80%	$427.62	$440.35	$12.73	2.98%
4,320	15.0	$282.63	$296.59	$13.96	4.94%	$204.45	$202.81	-$1.63	-0.80%	$487.08	$499.40	$12.33	2.53%
5,400	15.0	$290.98	$304.93	$13.96	4.80%	$255.56	$253.52	-$2.04	-0.80%	$546.53	$558.45	$11.92	2.18%
3,168	22.0	$364.78	$386.67	$21.90	6.00%	$149.93	$148.73	-$1.20	-0.80%	$514.70	$535.40	$20.70	4.02%
4,752	22.0	$377.02	$398.91	$21.90	5.81%	$224.89	$223.10	-$1.80	-0.80%	$601.91	$622.01	$20.10	3.34%
6,336	22.0	$389.26	$411.15	$21.90	5.63%	$299.86	$297.46	-$2.40	-0.80%	$689.11	$708.61	$19.50	2.83%
7,920	22.0	$401.50	$423.39	$21.90	5.45%	$374.82	$371.83	-$2.99	-0.80%	$776.32	$795.22	$18.90	2.43%
5,760	40.0	$618.93	$661.24	$42.31	6.84%	$272.60	$270.42	-$2.18	-0.80%	$891.53	$931.66	$40.13	4.50%
8,640	40.0	$641.18	$683.49	$42.31	6.60%	$408.89	$405.63	-$3.27	-0.80%	$1,050.08	$1,089.12	$39.04	3.72%
11,520	40.0	$663.44	$705.75	$42.31	6.38%	$545.19	$540.84	-$4.35	-0.80%	$1,208.63	$1,246.59	$37.95	3.14%
14,400	40.0	$685.70	$728.00	$42.31	6.17%	$681.49	$676.05	-$5.44	-0.80%	$1,367.18	$1,404.05	$36.87	2.70%
8,640	60.0	$901.32	$966.31	$64.99	7.21%	$408.89	$405.63	-$3.27	-0.80%	$1,310.22	$1,371.94	$61.72	4.71%
12,960	60.0	$934.71	$999.69	$64.99	6.95%	$613.34	$608.44	-$4.90	-0.80%	$1,548.05	$1,608.14	$60.09	3.88%
17,280	60.0	$968.09	$1,033.08	$64.99	6.71%	$817.79	$811.26	-$6.53	-0.80%	$1,785.88	$1,844.33	$58.46	3.27%
21,600	60.0	$1,001.47	$1,066.46	$64.99	6.49%	$1,022.23	$1,014.07	-$8.16	-0.80%	$2,023.70	$2,080.53	$56.82	2.81%
11,520	80.0	$1,183.72	$1,271.39	$87.67	7.41%	$545.19	$540.84	-$4.35	-0.80%	$1,728.91	$1,812.22	$83.32	4.82%
17,280	80.0	$1,228.23	$1,315.90	$87.67	7.14%	$817.79	$811.26	-$6.53	-0.80%	$2,046.01	$2,127.15	$81.14	3.97%
23,040	80.0	$1,272.74	$1,360.41	$87.67	6.89%	$1,090.38	$1,081.67	-$8.71	-0.80%	$2,363.12	$2,442.08	$78.96	3.34%
28,800	80.0	$1,317.25	$1,404.92	$87.67	6.66%	$1,362.98	$1,352.09	-$10.89	-0.80%	$2,680.22	$2,757.01	$76.78	2.86%
14,400	100.0	$1,466.11	$1,576.46	$110.35	7.53%	$681.49	$676.05	-$5.44	-0.80%	$2,147.60	$2,252.50	$104.91	4.88%
21,600	100.0	$1,521.75	$1,632.10	$110.35	7.25%	$1,022.23	$1,014.07	-$8.16	-0.80%	$2,543.98	$2,646.17	$102.19	4.02%
28,800	100.0	$1,577.38	$1,687.73	$110.35	7.00%	$1,362.98	$1,352.09	-$10.89	-0.80%	$2,940.36	$3,039.83	$99.46	3.38%
36,000	100.0	$1,633.02	$1,743.37	$110.35	6.76%	$1,703.72	$1,690.11	-$13.61	-0.80%	$3,336.74	$3,433.49	$96.74	2.90%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$52.52	$49.56
Delivery Charge	$/kW	$12.44	$13.54
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03933	$0.03933
Merchant Function Charge	$/kWh	$0.00177	$0.00139
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (SECONDARY)
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,868.34	$1,965.04	$96.70	5.18%	$1,307.78	$1,306.41	-$1.36	-0.10%	$3,176.12	$3,271.46	$95.34	3.00%
36,000	100.0	$1,923.98	$2,020.68	$96.70	5.03%	$1,634.72	$1,633.02	-$1.70	-0.10%	$3,558.70	$3,653.70	$95.00	2.67%
43,200	100.0	$1,979.62	$2,076.32	$96.70	4.88%	$1,961.66	$1,959.62	-$2.04	-0.10%	$3,941.28	$4,035.94	$94.66	2.40%
57,600	100.0	$2,090.89	$2,187.60	$96.70	4.62%	$2,615.55	$2,612.83	-$2.73	-0.10%	$4,706.45	$4,800.42	$93.98	2.00%
66,240	230.0	$3,687.39	$3,898.01	$210.62	5.71%	$3,007.88	$3,004.75	-$3.13	-0.10%	$6,695.28	$6,902.76	$207.48	3.10%
82,800	230.0	$3,815.36	$4,025.98	$210.62	5.52%	$3,759.85	$3,755.94	-$3.92	-0.10%	$7,575.22	$7,781.92	$206.70	2.73%
99,360	230.0	$3,943.33	$4,153.95	$210.62	5.34%	$4,511.83	$4,507.12	-$4.70	-0.10%	$8,455.16	$8,661.07	$205.92	2.44%
132,480	230.0	$4,199.26	$4,409.88	$210.62	5.02%	$6,015.77	$6,009.50	-$6.27	-0.10%	$10,215.03	$10,419.38	$204.35	2.00%
100,800	350.0	$5,366.52	$5,682.29	$315.77	5.88%	$4,577.21	$4,572.44	-$4.77	-0.10%	$9,943.73	$10,254.74	$311.00	3.13%
126,000	350.0	$5,561.25	$5,877.03	$315.77	5.68%	$5,721.52	$5,715.56	-$5.96	-0.10%	$11,282.77	$11,592.58	$309.81	2.75%
151,200	350.0	$5,755.99	$6,071.76	$315.77	5.49%	$6,865.82	$6,858.67	-$7.16	-0.10%	$12,621.81	$12,930.42	$308.62	2.45%
201,600	350.0	$6,145.45	$6,461.22	$315.77	5.14%	$9,154.43	$9,144.89	-$9.54	-0.10%	$15,299.88	$15,606.11	$306.23	2.00%
144,000	500.0	$7,465.42	$7,912.64	$447.22	5.99%	$6,538.88	$6,532.06	-$6.81	-0.10%	$14,004.30	$14,444.70	$440.40	3.14%
180,000	500.0	$7,743.61	$8,190.83	$447.22	5.78%	$8,173.60	$8,165.08	-$8.52	-0.10%	$15,917.21	$16,355.91	$438.70	2.76%
216,000	500.0	$8,021.81	$8,469.02	$447.22	5.58%	$9,808.32	$9,798.09	-$10.22	-0.10%	$17,830.12	$18,267.12	$436.99	2.45%
288,000	500.0	$8,578.19	$9,025.40	$447.22	5.21%	$13,077.76	$13,064.13	-$13.63	-0.10%	$21,655.94	$22,089.53	$433.59	2.00%
216,000	750.0	$10,963.60	$11,629.89	$666.29	6.08%	$9,808.32	$9,798.09	-$10.22	-0.10%	$20,771.92	$21,427.98	$656.07	3.16%
270,000	750.0	$11,380.89	$12,047.17	$666.29	5.85%	$12,260.40	$12,247.62	-$12.78	-0.10%	$23,641.28	$24,294.79	$653.51	2.76%
324,000	750.0	$11,798.17	$12,464.46	$666.29	5.65%	$14,712.48	$14,697.14	-$15.33	-0.10%	$26,510.65	$27,161.60	$650.96	2.46%
432,000	750.0	$12,632.74	$13,299.03	$666.29	5.27%	$19,616.63	$19,596.19	-$20.44	-0.10%	$32,249.38	$32,895.22	$645.84	2.00%
432,000	1,500.0	$21,458.13	$22,781.63	$1,323.51	6.17%	$19,616.63	$19,596.19	-$20.44	-0.10%	$41,074.76	$42,377.82	$1,303.06	3.17%
540,000	1,500.0	$22,292.70	$23,616.20	$1,323.51	5.94%	$24,520.79	$24,495.24	-$25.56	-0.10%	$46,813.49	$48,111.44	$1,297.95	2.77%
648,000	1,500.0	$23,127.27	$24,450.78	$1,323.51	5.72%	$29,424.95	$29,394.28	-$30.67	-0.10%	$52,552.22	$53,845.06	$1,292.84	2.46%
864,000	1,500.0	$24,796.41	$26,119.92	$1,323.51	5.34%	$39,233.27	$39,192.38	-$40.89	-0.10%	$64,029.68	$65,312.30	$1,282.62	2.00%
576,000	2,000.0	$28,454.48	$30,216.13	$1,761.65	6.19%	$26,155.51	$26,128.25	-$27.26	-0.10%	$54,609.99	$56,344.38	$1,734.39	3.18%
720,000	2,000.0	$29,567.24	$31,328.89	$1,761.65	5.96%	$32,694.39	$32,660.32	-$34.07	-0.10%	$62,261.63	$63,989.21	$1,727.57	2.77%
864,000	2,000.0	$30,680.00	$32,441.65	$1,761.65	5.74%	$39,233.27	$39,192.38	-$40.89	-0.10%	$69,913.27	$71,634.03	$1,720.76	2.46%
1,152,000	2,000.0	$32,905.53	$34,667.18	$1,761.65	5.35%	$52,311.02	$52,256.51	-$54.52	-0.10%	$85,216.55	$86,923.68	$1,707.13	2.00%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$455.00	$463.80
Delivery Charge	$/kW	$11.21	$12.06
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.17	$0.17
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03867	$0.03867
Merchant Function Charge	$/kWh	$0.00053	$0.00048
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (SECONDARY) - SPECIAL PROVISION L
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,913.15	$1,989.29	$76.14	3.98%	$1,307.78	$1,306.41	-$1.36	-0.10%	$3,220.92	$3,295.70	$74.78	2.32%
36,000	100.0	$1,968.78	$2,044.93	$76.14	3.87%	$1,634.72	$1,633.02	-$1.70	-0.10%	$3,603.50	$3,677.94	$74.44	2.07%
43,200	100.0	$2,024.42	$2,100.57	$76.14	3.76%	$1,961.66	$1,959.62	-$2.04	-0.10%	$3,986.09	$4,060.19	$74.10	1.86%
57,600	100.0	$2,135.70	$2,211.84	$76.14	3.57%	$2,615.55	$2,612.83	-$2.73	-0.10%	$4,751.25	$4,824.67	$73.42	1.55%
66,240	230.0	$3,732.20	$3,922.26	$190.06	5.09%	$3,007.88	$3,004.75	-$3.13	-0.10%	$6,740.08	$6,927.01	$186.93	2.77%
82,800	230.0	$3,860.17	$4,050.23	$190.06	4.92%	$3,759.85	$3,755.94	-$3.92	-0.10%	$7,620.02	$7,806.16	$186.14	2.44%
99,360	230.0	$3,988.13	$4,178.20	$190.06	4.77%	$4,511.83	$4,507.12	-$4.70	-0.10%	$8,499.96	$8,685.32	$185.36	2.18%
132,480	230.0	$4,244.07	$4,434.13	$190.06	4.48%	$6,015.77	$6,009.50	-$6.27	-0.10%	$10,259.84	$10,443.63	$183.79	1.79%
100,800	350.0	$5,411.32	$5,706.54	$295.22	5.46%	$4,577.21	$4,572.44	-$4.77	-0.10%	$9,988.54	$10,278.98	$290.45	2.91%
126,000	350.0	$5,606.06	$5,901.27	$295.22	5.27%	$5,721.52	$5,715.56	-$5.96	-0.10%	$11,327.57	$11,616.83	$289.25	2.55%
151,200	350.0	$5,800.79	$6,096.01	$295.22	5.09%	$6,865.82	$6,858.67	-$7.16	-0.10%	$12,666.61	$12,954.67	$288.06	2.27%
201,600	350.0	$6,190.26	$6,485.47	$295.22	4.77%	$9,154.43	$9,144.89	-$9.54	-0.10%	$15,344.69	$15,630.36	$285.68	1.86%
144,000	500.0	$7,510.23	$7,936.89	$426.66	5.68%	$6,538.88	$6,532.06	-$6.81	-0.10%	$14,049.11	$14,468.95	$419.84	2.99%
180,000	500.0	$7,788.42	$8,215.08	$426.66	5.48%	$8,173.60	$8,165.08	-$8.52	-0.10%	$15,962.02	$16,380.16	$418.14	2.62%
216,000	500.0	$8,066.61	$8,493.27	$426.66	5.29%	$9,808.32	$9,798.09	-$10.22	-0.10%	$17,874.93	$18,291.36	$416.44	2.33%
288,000	500.0	$8,622.99	$9,049.65	$426.66	4.95%	$13,077.76	$13,064.13	-$13.63	-0.10%	$21,700.75	$22,113.78	$413.03	1.90%
216,000	750.0	$11,008.40	$11,654.14	$645.73	5.87%	$9,808.32	$9,798.09	-$10.22	-0.10%	$20,816.72	$21,452.23	$635.51	3.05%
270,000	750.0	$11,425.69	$12,071.42	$645.73	5.65%	$12,260.40	$12,247.62	-$12.78	-0.10%	$23,686.09	$24,319.04	$632.95	2.67%
324,000	750.0	$11,842.98	$12,488.71	$645.73	5.45%	$14,712.48	$14,697.14	-$15.33	-0.10%	$26,555.45	$27,185.85	$630.40	2.37%
432,000	750.0	$12,677.55	$13,323.28	$645.73	5.09%	$19,616.63	$19,596.19	-$20.44	-0.10%	$32,294.18	$32,919.47	$625.29	1.94%
432,000	1,500.0	$21,502.93	$22,805.88	$1,302.95	6.06%	$19,616.63	$19,596.19	-$20.44	-0.10%	$41,119.57	$42,402.07	$1,282.50	3.12%
540,000	1,500.0	$22,337.50	$23,640.45	$1,302.95	5.83%	$24,520.79	$24,495.24	-$25.56	-0.10%	$46,858.30	$48,135.69	$1,277.39	2.73%
648,000	1,500.0	$23,172.07	$24,475.02	$1,302.95	5.62%	$29,424.95	$29,394.28	-$30.67	-0.10%	$52,597.03	$53,869.31	$1,272.28	2.42%
864,000	1,500.0	$24,841.22	$26,144.17	$1,302.95	5.25%	$39,233.27	$39,192.38	-$40.89	-0.10%	$64,074.49	$65,336.54	$1,262.06	1.97%
576,000	2,000.0	$28,499.29	$30,240.38	$1,741.09	6.11%	$26,155.51	$26,128.25	-$27.26	-0.10%	$54,654.80	$56,368.63	$1,713.83	3.14%
720,000	2,000.0	$29,612.05	$31,353.14	$1,741.09	5.88%	$32,694.39	$32,660.32	-$34.07	-0.10%	$62,306.44	$64,013.46	$1,707.02	2.74%
864,000	2,000.0	$30,724.81	$32,465.90	$1,741.09	5.67%	$39,233.27	$39,192.38	-$40.89	-0.10%	$69,958.08	$71,658.28	$1,700.20	2.43%
1,152,000	2,000.0	$32,950.33	$34,691.42	$1,741.09	5.28%	$52,311.02	$52,256.51	-$54.52	-0.10%	$85,261.35	$86,947.93	$1,686.57	1.98%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$498.46	$487.32
Delivery Charge	$/kW	$11.21	$12.06
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.17	$0.17
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03867	$0.03867
Merchant Function Charge	$/kWh	$0.00053	$0.00048
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (PRIMARY)
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,714.43	$1,803.39	$88.97	5.19%	$1,285.32	$1,283.91	-$1.41	-0.11%	$2,999.75	$3,087.31	$87.56	2.92%
36,000	100.0	$1,770.06	$1,859.03	$88.97	5.03%	$1,606.66	$1,604.89	-$1.76	-0.11%	$3,376.72	$3,463.92	$87.21	2.58%
43,200	100.0	$1,825.70	$1,914.67	$88.97	4.87%	$1,927.99	$1,925.87	-$2.12	-0.11%	$3,753.69	$3,840.54	$86.85	2.31%
57,600	100.0	$1,936.98	$2,025.95	$88.97	4.59%	$2,570.65	$2,567.83	-$2.82	-0.11%	$4,507.63	$4,593.77	$86.15	1.91%
57,600	200.0	$2,978.64	$3,150.09	$171.44	5.76%	$2,570.65	$2,567.83	-$2.82	-0.11%	$5,549.29	$5,717.91	$168.62	3.04%
72,000	200.0	$3,089.92	$3,261.36	$171.44	5.55%	$3,213.31	$3,209.78	-$3.53	-0.11%	$6,303.23	$6,471.15	$167.92	2.66%
86,400	200.0	$3,201.20	$3,372.64	$171.44	5.36%	$3,855.97	$3,851.74	-$4.23	-0.11%	$7,057.17	$7,224.38	$167.21	2.37%
115,200	200.0	$3,423.75	$3,595.19	$171.44	5.01%	$5,141.30	$5,135.66	-$5.64	-0.11%	$8,565.05	$8,730.85	$165.80	1.94%
72,000	250.0	$3,610.75	$3,823.43	$212.68	5.89%	$3,213.31	$3,209.78	-$3.53	-0.11%	$6,824.07	$7,033.22	$209.15	3.06%
90,000	250.0	$3,749.85	$3,962.53	$212.68	5.67%	$4,016.64	$4,012.23	-$4.41	-0.11%	$7,766.49	$7,974.76	$208.27	2.68%
108,000	250.0	$3,888.94	$4,101.62	$212.68	5.47%	$4,819.97	$4,814.68	-$5.29	-0.11%	$8,708.91	$8,916.30	$207.39	2.38%
144,000	250.0	$4,167.13	$4,379.81	$212.68	5.10%	$6,426.62	$6,419.57	-$7.05	-0.11%	$10,593.76	$10,799.38	$205.63	1.94%
135,360	470.0	$6,392.04	$6,786.16	$394.12	6.17%	$6,041.03	$6,034.39	-$6.63	-0.11%	$12,433.06	$12,820.55	$387.49	3.12%
169,200	470.0	$6,653.53	$7,047.66	$394.12	5.92%	$7,551.28	$7,542.99	-$8.29	-0.11%	$14,204.82	$14,590.65	$385.83	2.72%
203,040	470.0	$6,915.03	$7,309.16	$394.12	5.70%	$9,061.54	$9,051.59	-$9.95	-0.11%	$15,976.57	$16,360.75	$384.18	2.40%
270,720	470.0	$7,438.03	$7,832.15	$394.12	5.30%	$12,082.05	$12,068.79	-$13.26	-0.11%	$19,520.08	$19,900.94	$380.86	1.95%
216,000	750.0	$9,931.85	$10,556.90	$625.05	6.29%	$9,639.94	$9,629.35	-$10.58	-0.11%	$19,571.78	$20,186.25	$614.47	3.14%
270,000	750.0	$10,349.13	$10,974.18	$625.05	6.04%	$12,049.92	$12,036.69	-$13.23	-0.11%	$22,399.05	$23,010.88	$611.82	2.73%
324,000	750.0	$10,766.42	$11,391.47	$625.05	5.81%	$14,459.90	$14,444.03	-$15.87	-0.11%	$25,226.32	$25,835.50	$609.18	2.41%
432,000	750.0	$11,600.99	$12,226.04	$625.05	5.39%	$19,279.87	$19,258.71	-$21.16	-0.11%	$30,880.86	$31,484.75	$603.89	1.96%
432,000	1,500.0	$19,413.49	$20,657.10	$1,243.61	6.41%	$19,279.87	$19,258.71	-$21.16	-0.11%	$38,693.36	$39,915.80	$1,222.44	3.16%
540,000	1,500.0	$20,248.06	$21,491.67	$1,243.61	6.14%	$24,099.84	$24,073.38	-$26.45	-0.11%	$44,347.90	$45,565.05	$1,217.15	2.74%
648,000	1,500.0	$21,082.63	$22,326.24	$1,243.61	5.90%	$28,919.81	$28,888.06	-$31.75	-0.11%	$50,002.44	$51,214.30	$1,211.86	2.42%
864,000	1,500.0	$22,751.77	$23,995.38	$1,243.61	5.47%	$38,559.74	$38,517.41	-$42.33	-0.11%	$61,311.51	$62,512.80	$1,201.28	1.96%
576,000	2,000.0	$25,734.58	$27,390.56	$1,655.98	6.43%	$25,706.49	$25,678.28	-$28.22	-0.11%	$51,441.08	$53,068.84	$1,627.76	3.16%
720,000	2,000.0	$26,847.35	$28,503.32	$1,655.98	6.17%	$32,133.12	$32,097.84	-$35.27	-0.11%	$58,980.46	$60,601.17	$1,620.71	2.75%
864,000	2,000.0	$27,960.11	$29,616.09	$1,655.98	5.92%	$38,559.74	$38,517.41	-$42.33	-0.11%	$66,519.85	$68,133.50	$1,613.65	2.43%
1,152,000	2,000.0	$30,185.63	$31,841.61	$1,655.98	5.49%	$51,412.99	$51,356.55	-$56.44	-0.11%	$81,598.62	$83,198.16	$1,599.54	1.96%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$436.70	$443.00
Delivery Charge	$/kW	$9.89	$10.69
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.18	$0.18
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03791	$0.03791
Merchant Function Charge	$/kWh	$0.00052	$0.00047
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (PRIMARY) - SPECIAL PROVISION L
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,759.23	$1,827.64	$68.41	3.89%	$1,285.32	$1,283.91	-$1.41	-0.11%	$3,044.55	$3,111.56	$67.00	2.20%
36,000	100.0	$1,814.87	$1,883.28	$68.41	3.77%	$1,606.66	$1,604.89	-$1.76	-0.11%	$3,421.52	$3,488.17	$66.65	1.95%
43,200	100.0	$1,870.51	$1,938.92	$68.41	3.66%	$1,927.99	$1,925.87	-$2.12	-0.11%	$3,798.49	$3,864.79	$66.30	1.75%
57,600	100.0	$1,981.78	$2,050.19	$68.41	3.45%	$2,570.65	$2,567.83	-$2.82	-0.11%	$4,552.43	$4,618.02	$65.59	1.44%
57,600	200.0	$3,023.45	$3,174.33	$150.89	4.99%	$2,570.65	$2,567.83	-$2.82	-0.11%	$5,594.10	$5,742.16	$148.06	2.65%
72,000	200.0	$3,134.72	$3,285.61	$150.89	4.81%	$3,213.31	$3,209.78	-$3.53	-0.11%	$6,348.04	$6,495.40	$147.36	2.32%
86,400	200.0	$3,246.00	$3,396.89	$150.89	4.65%	$3,855.97	$3,851.74	-$4.23	-0.11%	$7,101.97	$7,248.63	$146.65	2.06%
115,200	200.0	$3,468.55	$3,619.44	$150.89	4.35%	$5,141.30	$5,135.66	-$5.64	-0.11%	$8,609.85	$8,755.09	$145.24	1.69%
72,000	250.0	$3,655.56	$3,847.68	$192.12	5.26%	$3,213.31	$3,209.78	-$3.53	-0.11%	$6,868.87	$7,057.47	$188.60	2.75%
90,000	250.0	$3,794.65	$3,986.78	$192.12	5.06%	$4,016.64	$4,012.23	-$4.41	-0.11%	$7,811.29	$7,999.01	$187.71	2.40%
108,000	250.0	$3,933.75	$4,125.87	$192.12	4.88%	$4,819.97	$4,814.68	-$5.29	-0.11%	$8,753.72	$8,940.55	$186.83	2.13%
144,000	250.0	$4,211.94	$4,404.06	$192.12	4.56%	$6,426.62	$6,419.57	-$7.05	-0.11%	$10,638.56	$10,823.63	$185.07	1.74%
135,360	470.0	$6,436.84	$6,810.41	$373.57	5.80%	$6,041.03	$6,034.39	-$6.63	-0.11%	$12,477.87	$12,844.80	$366.94	2.94%
169,200	470.0	$6,698.34	$7,071.91	$373.57	5.58%	$7,551.28	$7,542.99	-$8.29	-0.11%	$14,249.62	$14,614.90	$365.28	2.56%
203,040	470.0	$6,959.84	$7,333.40	$373.57	5.37%	$9,061.54	$9,051.59	-$9.95	-0.11%	$16,021.38	$16,385.00	$363.62	2.27%
270,720	470.0	$7,482.83	$7,856.40	$373.57	4.99%	$12,082.05	$12,068.79	-$13.26	-0.11%	$19,564.89	$19,925.19	$360.30	1.84%
216,000	750.0	$9,976.65	$10,581.15	$604.49	6.06%	$9,639.94	$9,629.35	-$10.58	-0.11%	$19,616.59	$20,210.50	$593.91	3.03%
270,000	750.0	$10,393.94	$10,998.43	$604.49	5.82%	$12,049.92	$12,036.69	-$13.23	-0.11%	$22,443.86	$23,035.12	$591.27	2.63%
324,000	750.0	$10,811.22	$11,415.72	$604.49	5.59%	$14,459.90	$14,444.03	-$15.87	-0.11%	$25,271.13	$25,859.75	$588.62	2.33%
432,000	750.0	$11,645.79	$12,250.29	$604.49	5.19%	$19,279.87	$19,258.71	-$21.16	-0.11%	$30,925.66	$31,509.00	$583.33	1.89%
432,000	1,500.0	$19,458.29	$20,681.35	$1,223.05	6.29%	$19,279.87	$19,258.71	-$21.16	-0.11%	$38,738.16	$39,940.05	$1,201.89	3.10%
540,000	1,500.0	$20,292.86	$21,515.92	$1,223.05	6.03%	$24,099.84	$24,073.38	-$26.45	-0.11%	$44,392.70	$45,589.30	$1,196.60	2.70%
648,000	1,500.0	$21,127.44	$22,350.49	$1,223.05	5.79%	$28,919.81	$28,888.06	-$31.75	-0.11%	$50,047.24	$51,238.55	$1,191.31	2.38%
864,000	1,500.0	$22,796.58	$24,019.63	$1,223.05	5.37%	$38,559.74	$38,517.41	-$42.33	-0.11%	$61,356.32	$62,537.04	$1,180.72	1.92%
576,000	2,000.0	$25,779.39	$27,414.81	$1,635.42	6.34%	$25,706.49	$25,678.28	-$28.22	-0.11%	$51,485.88	$53,093.09	$1,607.20	3.12%
720,000	2,000.0	$26,892.15	$28,527.57	$1,635.42	6.08%	$32,133.12	$32,097.84	-$35.27	-0.11%	$59,025.27	$60,625.42	$1,600.15	2.71%
864,000	2,000.0	$28,004.91	$29,640.33	$1,635.42	5.84%	$38,559.74	$38,517.41	-$42.33	-0.11%	$66,564.65	$68,157.75	$1,593.10	2.39%
1,152,000	2,000.0	$30,230.43	$31,865.86	$1,635.42	5.41%	$51,412.99	$51,356.55	-$56.44	-0.11%	$81,643.42	$83,222.41	$1,578.99	1.93%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$480.16	$466.52
Delivery Charge	$/kW	$9.89	$10.69
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.18	$0.18
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03791	$0.03791
Merchant Function Charge	$/kWh	$0.00052	$0.00047
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION)
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,359.24	$1,419.96	$60.72	4.47%	$1,263.81	$1,262.36	-$1.46	-0.12%	$2,623.05	$2,682.31	$59.26	2.26%
36,000	100.0	$1,414.87	$1,475.60	$60.72	4.29%	$1,579.77	$1,577.95	-$1.82	-0.12%	$2,994.64	$3,053.54	$58.90	1.97%
43,200	100.0	$1,470.51	$1,531.23	$60.72	4.13%	$1,895.72	$1,893.53	-$2.19	-0.12%	$3,366.23	$3,424.77	$58.54	1.74%
57,600	100.0	$1,581.79	$1,642.51	$60.72	3.84%	$2,527.63	$2,524.71	-$2.91	-0.12%	$4,109.41	$4,167.22	$57.81	1.41%
57,600	200.0	$1,908.16	$2,011.15	$102.99	5.40%	$2,527.63	$2,524.71	-$2.91	-0.12%	$4,435.79	$4,535.86	$100.08	2.26%
72,000	200.0	$2,019.44	$2,122.43	$102.99	5.10%	$3,159.53	$3,155.89	-$3.64	-0.12%	$5,178.97	$5,278.32	$99.35	1.92%
86,400	200.0	$2,130.72	$2,233.70	$102.99	4.83%	$3,791.44	$3,787.07	-$4.37	-0.12%	$5,922.15	$6,020.77	$98.62	1.67%
115,200	200.0	$2,353.27	$2,456.26	$102.99	4.38%	$5,055.25	$5,049.42	-$5.83	-0.12%	$7,408.52	$7,505.68	$97.16	1.31%
72,000	250.0	$2,182.63	$2,306.75	$124.12	5.69%	$3,159.53	$3,155.89	-$3.64	-0.12%	$5,342.16	$5,462.64	$120.48	2.26%
90,000	250.0	$2,321.72	$2,445.85	$124.12	5.35%	$3,949.42	$3,944.86	-$4.55	-0.12%	$6,271.14	$6,390.71	$119.57	1.91%
108,000	250.0	$2,460.82	$2,584.94	$124.12	5.04%	$4,739.30	$4,733.84	-$5.46	-0.12%	$7,200.11	$7,318.78	$118.66	1.65%
144,000	250.0	$2,739.01	$2,863.13	$124.12	4.53%	$6,319.06	$6,311.78	-$7.28	-0.12%	$9,058.07	$9,174.91	$116.84	1.29%
144,000	500.0	$3,554.94	$3,784.74	$229.79	6.46%	$6,319.06	$6,311.78	-$7.28	-0.12%	$9,874.01	$10,096.52	$222.51	2.25%
180,000	500.0	$3,833.13	$4,062.93	$229.79	5.99%	$7,898.83	$7,889.73	-$9.11	-0.12%	$11,731.96	$11,952.65	$220.69	1.88%
216,000	500.0	$4,111.32	$4,341.12	$229.79	5.59%	$9,478.60	$9,467.67	-$10.93	-0.12%	$13,589.92	$13,808.79	$218.87	1.61%
288,000	500.0	$4,667.70	$4,897.50	$229.79	4.92%	$12,638.13	$12,623.56	-$14.57	-0.12%	$17,305.83	$17,521.06	$215.23	1.24%
218,880	760.0	$4,982.15	$5,321.84	$339.69	6.82%	$9,604.98	$9,593.91	-$11.07	-0.12%	$14,587.13	$14,915.75	$328.62	2.25%
273,600	760.0	$5,405.00	$5,744.69	$339.69	6.28%	$12,006.22	$11,992.38	-$13.84	-0.12%	$17,411.22	$17,737.08	$325.85	1.87%
328,320	760.0	$5,827.85	$6,167.54	$339.69	5.83%	$14,407.47	$14,390.86	-$16.61	-0.12%	$20,235.32	$20,558.40	$323.08	1.60%
437,760	760.0	$6,673.55	$7,013.24	$339.69	5.09%	$19,209.95	$19,187.81	-$22.14	-0.12%	$25,883.50	$26,201.05	$317.55	1.23%
432,000	1,500.0	$9,044.21	$9,696.69	$652.47	7.21%	$18,957.19	$18,935.34	-$21.85	-0.12%	$28,001.40	$28,632.03	$630.62	2.25%
540,000	1,500.0	$9,878.78	$10,531.26	$652.47	6.60%	$23,696.49	$23,669.18	-$27.32	-0.12%	$33,575.27	$34,200.43	$625.16	1.86%
648,000	1,500.0	$10,713.35	$11,365.83	$652.47	6.09%	$28,435.79	$28,403.01	-$32.78	-0.12%	$39,149.14	$39,768.84	$619.70	1.58%
864,000	1,500.0	$12,382.49	$13,034.97	$652.47	5.27%	$37,914.38	$37,870.68	-$43.70	-0.12%	$50,296.88	$50,905.65	$608.77	1.21%
576,000	2,000.0	$11,788.85	$12,652.66	$863.81	7.33%	$25,276.26	$25,247.12	-$29.14	-0.12%	$37,065.10	$37,899.78	$834.68	2.25%
720,000	2,000.0	$12,901.61	$13,765.42	$863.81	6.70%	$31,595.32	$31,558.90	-$36.42	-0.12%	$44,496.93	$45,324.32	$827.39	1.86%
864,000	2,000.0	$14,014.37	$14,878.18	$863.81	6.16%	$37,914.38	$37,870.68	-$43.70	-0.12%	$51,928.75	$52,748.86	$820.11	1.58%
1,152,000	2,000.0	$16,239.89	$17,103.70	$863.81	5.32%	$50,552.51	$50,494.24	-$58.27	-0.12%	$66,792.40	$67,597.94	$805.54	1.21%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$786.00	$803.90
Delivery Charge	$/kW	$2.99	$3.40
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03717	$0.03717
Merchant Function Charge	$/kWh	$0.00052	$0.00047
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION) - SPECIAL PROVISION L
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,404.04	$1,444.21	$40.16	2.86%	$1,263.81	$1,262.36	-$1.46	-0.12%	$2,667.85	$2,706.56	$38.71	1.45%
36,000	100.0	$1,459.68	$1,499.84	$40.16	2.75%	$1,579.77	$1,577.95	-$1.82	-0.12%	$3,039.44	$3,077.79	$38.34	1.26%
43,200	100.0	$1,515.32	$1,555.48	$40.16	2.65%	$1,895.72	$1,893.53	-$2.19	-0.12%	$3,411.04	$3,449.02	$37.98	1.11%
57,600	100.0	$1,626.59	$1,666.76	$40.16	2.47%	$2,527.63	$2,524.71	-$2.91	-0.12%	$4,154.22	$4,191.47	$37.25	0.90%
57,600	200.0	$1,952.97	$2,035.40	$82.43	4.22%	$2,527.63	$2,524.71	-$2.91	-0.12%	$4,480.59	$4,560.11	$79.52	1.77%
72,000	200.0	$2,064.24	$2,146.68	$82.43	3.99%	$3,159.53	$3,155.89	-$3.64	-0.12%	$5,223.78	$5,302.57	$78.79	1.51%
86,400	200.0	$2,175.52	$2,257.95	$82.43	3.79%	$3,791.44	$3,787.07	-$4.37	-0.12%	$5,966.96	$6,045.02	$78.06	1.31%
115,200	200.0	$2,398.07	$2,480.50	$82.43	3.44%	$5,055.25	$5,049.42	-$5.83	-0.12%	$7,453.32	$7,529.93	$76.61	1.03%
72,000	250.0	$2,227.43	$2,331.00	$103.57	4.65%	$3,159.53	$3,155.89	-$3.64	-0.12%	$5,386.96	$5,486.89	$99.92	1.85%
90,000	250.0	$2,366.53	$2,470.09	$103.57	4.38%	$3,949.42	$3,944.86	-$4.55	-0.12%	$6,315.94	$6,414.96	$99.01	1.57%
108,000	250.0	$2,505.62	$2,609.19	$103.57	4.13%	$4,739.30	$4,733.84	-$5.46	-0.12%	$7,244.92	$7,343.02	$98.10	1.35%
144,000	250.0	$2,783.81	$2,887.38	$103.57	3.72%	$6,319.06	$6,311.78	-$7.28	-0.12%	$9,102.88	$9,199.16	$96.28	1.06%
144,000	500.0	$3,599.75	$3,808.98	$209.24	5.81%	$6,319.06	$6,311.78	-$7.28	-0.12%	$9,918.81	$10,120.76	$201.95	2.04%
180,000	500.0	$3,877.94	$4,087.17	$209.24	5.40%	$7,898.83	$7,889.73	-$9.11	-0.12%	$11,776.77	$11,976.90	$200.13	1.70%
216,000	500.0	$4,156.13	$4,365.37	$209.24	5.03%	$9,478.60	$9,467.67	-$10.93	-0.12%	$13,634.72	$13,833.04	$198.31	1.45%
288,000	500.0	$4,712.51	$4,921.75	$209.24	4.44%	$12,638.13	$12,623.56	-$14.57	-0.12%	$17,350.64	$17,545.31	$194.67	1.12%
218,880	760.0	$5,026.96	$5,346.09	$319.13	6.35%	$9,604.98	$9,593.91	-$11.07	-0.12%	$14,631.93	$14,940.00	$308.06	2.11%
273,600	760.0	$5,449.81	$5,768.94	$319.13	5.86%	$12,006.22	$11,992.38	-$13.84	-0.12%	$17,456.03	$17,761.32	$305.29	1.75%
328,320	760.0	$5,872.66	$6,191.79	$319.13	5.43%	$14,407.47	$14,390.86	-$16.61	-0.12%	$20,280.12	$20,582.65	$302.53	1.49%
437,760	760.0	$6,718.35	$7,037.49	$319.13	4.75%	$19,209.95	$19,187.81	-$22.14	-0.12%	$25,928.31	$26,225.30	$296.99	1.15%
432,000	1,500.0	$9,089.02	$9,720.93	$631.92	6.95%	$18,957.19	$18,935.34	-$21.85	-0.12%	$28,046.21	$28,656.27	$610.07	2.18%
540,000	1,500.0	$9,923.59	$10,555.50	$631.92	6.37%	$23,696.49	$23,669.18	-$27.32	-0.12%	$33,620.08	$34,224.68	$604.60	1.80%
648,000	1,500.0	$10,758.16	$11,390.07	$631.92	5.87%	$28,435.79	$28,403.01	-$32.78	-0.12%	$39,193.95	$39,793.08	$599.14	1.53%
864,000	1,500.0	$12,427.30	$13,059.22	$631.92	5.08%	$37,914.38	$37,870.68	-$43.70	-0.12%	$50,341.68	$50,929.90	$588.21	1.17%
576,000	2,000.0	$11,833.65	$12,676.91	$843.26	7.13%	$25,276.26	$25,247.12	-$29.14	-0.12%	$37,109.91	$37,924.03	$814.12	2.19%
720,000	2,000.0	$12,946.41	$13,789.67	$843.26	6.51%	$31,595.32	$31,558.90	-$36.42	-0.12%	$44,541.73	$45,348.57	$806.84	1.81%
864,000	2,000.0	$14,059.17	$14,902.43	$843.26	6.00%	$37,914.38	$37,870.68	-$43.70	-0.12%	$51,973.56	$52,773.11	$799.55	1.54%
1,152,000	2,000.0	$16,284.69	$17,127.95	$843.26	5.18%	$50,552.51	$50,494.24	-$58.27	-0.12%	$66,837.21	$67,622.19	$784.99	1.17%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$829.46	$827.42
Delivery Charge	$/kW	$2.99	$3.40
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03717	$0.03717
Merchant Function Charge	$/kWh	$0.00052	$0.00047
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (TRANSMISSION)
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,359.24	$1,419.96	$60.72	4.47%	$1,210.07	$1,208.49	-$1.57	-0.13%	$2,569.30	$2,628.45	$59.15	2.30%
36,000	100.0	$1,414.87	$1,475.60	$60.72	4.29%	$1,512.58	$1,510.62	-$1.96	-0.13%	$2,927.46	$2,986.21	$58.76	2.01%
43,200	100.0	$1,470.51	$1,531.23	$60.72	4.13%	$1,815.10	$1,812.74	-$2.36	-0.13%	$3,285.61	$3,343.98	$58.36	1.78%
57,600	100.0	$1,581.79	$1,642.51	$60.72	3.84%	$2,420.13	$2,416.99	-$3.14	-0.13%	$4,001.92	$4,059.50	$57.58	1.44%
57,600	200.0	$1,908.16	$2,011.15	$102.99	5.40%	$2,420.13	$2,416.99	-$3.14	-0.13%	$4,328.29	$4,428.14	$99.85	2.31%
72,000	200.0	$2,019.44	$2,122.43	$102.99	5.10%	$3,025.16	$3,021.24	-$3.93	-0.13%	$5,044.60	$5,143.66	$99.06	1.96%
86,400	200.0	$2,130.72	$2,233.70	$102.99	4.83%	$3,630.20	$3,625.48	-$4.71	-0.13%	$5,760.91	$5,859.19	$98.28	1.71%
115,200	200.0	$2,353.27	$2,456.26	$102.99	4.38%	$4,840.26	$4,833.98	-$6.29	-0.13%	$7,193.53	$7,290.23	$96.70	1.34%
72,000	250.0	$2,182.63	$2,306.75	$124.12	5.69%	$3,025.16	$3,021.24	-$3.93	-0.13%	$5,207.79	$5,327.99	$120.19	2.31%
90,000	250.0	$2,321.72	$2,445.85	$124.12	5.35%	$3,781.46	$3,776.54	-$4.91	-0.13%	$6,103.18	$6,222.39	$119.21	1.95%
108,000	250.0	$2,460.82	$2,584.94	$124.12	5.04%	$4,537.75	$4,531.85	-$5.89	-0.13%	$6,998.56	$7,116.79	$118.23	1.69%
144,000	250.0	$2,739.01	$2,863.13	$124.12	4.53%	$6,050.33	$6,042.47	-$7.86	-0.13%	$8,789.34	$8,905.60	$116.27	1.32%
144,000	500.0	$3,554.94	$3,784.74	$229.79	6.46%	$6,050.33	$6,042.47	-$7.86	-0.13%	$9,605.27	$9,827.21	$221.94	2.31%
180,000	500.0	$3,833.13	$4,062.93	$229.79	5.99%	$7,562.91	$7,553.09	-$9.82	-0.13%	$11,396.05	$11,616.02	$219.97	1.93%
216,000	500.0	$4,111.32	$4,341.12	$229.79	5.59%	$9,075.49	$9,063.71	-$11.79	-0.13%	$13,186.82	$13,404.83	$218.01	1.65%
288,000	500.0	$4,667.70	$4,897.50	$229.79	4.92%	$12,100.66	$12,084.94	-$15.72	-0.13%	$16,768.36	$16,982.44	$214.08	1.28%
273,600	950.0	$6,025.11	$6,445.11	$420.00	6.97%	$11,495.63	$11,480.70	-$14.93	-0.13%	$17,520.74	$17,925.81	$405.07	2.31%
342,000	950.0	$6,553.68	$6,973.68	$420.00	6.41%	$14,369.53	$14,350.87	-$18.66	-0.13%	$20,923.21	$21,324.55	$401.34	1.92%
410,400	950.0	$7,082.24	$7,502.24	$420.00	5.93%	$17,243.44	$17,221.05	-$22.39	-0.13%	$24,325.68	$24,723.28	$397.61	1.63%
547,200	950.0	$8,139.36	$8,559.36	$420.00	5.16%	$22,991.25	$22,961.39	-$29.86	-0.13%	$31,130.61	$31,520.75	$390.14	1.25%
432,000	1,500.0	$9,044.21	$9,696.69	$652.47	7.21%	$18,150.99	$18,127.42	-$23.57	-0.13%	$27,195.20	$27,824.10	$628.90	2.31%
540,000	1,500.0	$9,878.78	$10,531.26	$652.47	6.60%	$22,688.74	$22,659.27	-$29.47	-0.13%	$32,567.52	$33,190.53	$623.01	1.91%
648,000	1,500.0	$10,713.35	$11,365.83	$652.47	6.09%	$27,226.48	$27,191.12	-$35.36	-0.13%	$37,939.84	$38,556.95	$617.12	1.63%
864,000	1,500.0	$12,382.49	$13,034.97	$652.47	5.27%	$36,301.98	$36,254.83	-$47.15	-0.13%	$48,684.47	$49,289.80	$605.33	1.24%
576,000	2,000.0	$11,788.85	$12,652.66	$863.81	7.33%	$24,201.32	$24,169.89	-$31.43	-0.13%	$35,990.16	$36,822.55	$832.38	2.31%
720,000	2,000.0	$12,901.61	$13,765.42	$863.81	6.70%	$30,251.65	$30,212.36	-$39.29	-0.13%	$43,153.25	$43,977.78	$824.53	1.91%
864,000	2,000.0	$14,014.37	$14,878.18	$863.81	6.16%	$36,301.98	$36,254.83	-$47.15	-0.13%	$50,316.35	$51,133.01	$816.67	1.62%
1,152,000	2,000.0	$16,239.89	$17,103.70	$863.81	5.32%	$48,402.64	$48,339.78	-$62.86	-0.13%	$64,642.53	$65,443.48	$800.95	1.24%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$786.00	$803.90
Delivery Charge	$/kW	$2.99	$3.40
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03534	$0.03534
Merchant Function Charge	$/kWh	$0.00050	$0.00045
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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TYPICAL BILL IMPACTS
SC3-LARGE GENERAL SERVICE (TRANSMISSION) - SPECIAL PROVISION L
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,404.04	$1,444.21	$40.16	2.86%	$1,210.07	$1,208.49	-$1.57	-0.13%	$2,614.11	$2,652.70	$38.59	1.48%
36,000	100.0	$1,459.68	$1,499.84	$40.16	2.75%	$1,512.58	$1,510.62	-$1.96	-0.13%	$2,972.26	$3,010.46	$38.20	1.29%
43,200	100.0	$1,515.32	$1,555.48	$40.16	2.65%	$1,815.10	$1,812.74	-$2.36	-0.13%	$3,330.42	$3,368.22	$37.81	1.14%
57,600	100.0	$1,626.59	$1,666.76	$40.16	2.47%	$2,420.13	$2,416.99	-$3.14	-0.13%	$4,046.72	$4,083.75	$37.02	0.91%
57,600	200.0	$1,952.97	$2,035.40	$82.43	4.22%	$2,420.13	$2,416.99	-$3.14	-0.13%	$4,373.10	$4,452.39	$79.29	1.81%
72,000	200.0	$2,064.24	$2,146.68	$82.43	3.99%	$3,025.16	$3,021.24	-$3.93	-0.13%	$5,089.41	$5,167.91	$78.50	1.54%
86,400	200.0	$2,175.52	$2,257.95	$82.43	3.79%	$3,630.20	$3,625.48	-$4.71	-0.13%	$5,805.72	$5,883.44	$77.72	1.34%
115,200	200.0	$2,398.07	$2,480.50	$82.43	3.44%	$4,840.26	$4,833.98	-$6.29	-0.13%	$7,238.34	$7,314.48	$76.15	1.05%
72,000	250.0	$2,227.43	$2,331.00	$103.57	4.65%	$3,025.16	$3,021.24	-$3.93	-0.13%	$5,252.60	$5,352.23	$99.64	1.90%
90,000	250.0	$2,366.53	$2,470.09	$103.57	4.38%	$3,781.46	$3,776.54	-$4.91	-0.13%	$6,147.98	$6,246.64	$98.66	1.60%
108,000	250.0	$2,505.62	$2,609.19	$103.57	4.13%	$4,537.75	$4,531.85	-$5.89	-0.13%	$7,043.37	$7,141.04	$97.67	1.39%
144,000	250.0	$2,783.81	$2,887.38	$103.57	3.72%	$6,050.33	$6,042.47	-$7.86	-0.13%	$8,834.14	$8,929.85	$95.71	1.08%
144,000	500.0	$3,599.75	$3,808.98	$209.24	5.81%	$6,050.33	$6,042.47	-$7.86	-0.13%	$9,650.08	$9,851.46	$201.38	2.09%
180,000	500.0	$3,877.94	$4,087.17	$209.24	5.40%	$7,562.91	$7,553.09	-$9.82	-0.13%	$11,440.85	$11,640.26	$199.42	1.74%
216,000	500.0	$4,156.13	$4,365.37	$209.24	5.03%	$9,075.49	$9,063.71	-$11.79	-0.13%	$13,231.62	$13,429.07	$197.45	1.49%
288,000	500.0	$4,712.51	$4,921.75	$209.24	4.44%	$12,100.66	$12,084.94	-$15.72	-0.13%	$16,813.17	$17,006.69	$193.52	1.15%
273,600	950.0	$6,069.92	$6,469.36	$399.44	6.58%	$11,495.63	$11,480.70	-$14.93	-0.13%	$17,565.54	$17,950.06	$384.51	2.19%
342,000	950.0	$6,598.48	$6,997.92	$399.44	6.05%	$14,369.53	$14,350.87	-$18.66	-0.13%	$20,968.01	$21,348.79	$380.78	1.82%
410,400	950.0	$7,127.04	$7,526.48	$399.44	5.60%	$17,243.44	$17,221.05	-$22.39	-0.13%	$24,370.48	$24,747.53	$377.05	1.55%
547,200	950.0	$8,184.16	$8,583.61	$399.44	4.88%	$22,991.25	$22,961.39	-$29.86	-0.13%	$31,175.42	$31,545.00	$369.58	1.19%
432,000	1,500.0	$9,089.02	$9,720.93	$631.92	6.95%	$18,150.99	$18,127.42	-$23.57	-0.13%	$27,240.00	$27,848.35	$608.34	2.23%
540,000	1,500.0	$9,923.59	$10,555.50	$631.92	6.37%	$22,688.74	$22,659.27	-$29.47	-0.13%	$32,612.32	$33,214.77	$602.45	1.85%
648,000	1,500.0	$10,758.16	$11,390.07	$631.92	5.87%	$27,226.48	$27,191.12	-$35.36	-0.13%	$37,984.64	$38,581.20	$596.56	1.57%
864,000	1,500.0	$12,427.30	$13,059.22	$631.92	5.08%	$36,301.98	$36,254.83	-$47.15	-0.13%	$48,729.28	$49,314.05	$584.77	1.20%
576,000	2,000.0	$11,833.65	$12,676.91	$843.26	7.13%	$24,201.32	$24,169.89	-$31.43	-0.13%	$36,034.97	$36,846.80	$811.83	2.25%
720,000	2,000.0	$12,946.41	$13,789.67	$843.26	6.51%	$30,251.65	$30,212.36	-$39.29	-0.13%	$43,198.06	$44,002.03	$803.97	1.86%
864,000	2,000.0	$14,059.17	$14,902.43	$843.26	6.00%	$36,301.98	$36,254.83	-$47.15	-0.13%	$50,361.15	$51,157.26	$796.11	1.58%
1,152,000	2,000.0	$16,284.69	$17,127.95	$843.26	5.18%	$48,402.64	$48,339.78	-$62.86	-0.13%	$64,687.33	$65,467.73	$780.40	1.21%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$829.46	$827.42
Delivery Charge	$/kW	$2.99	$3.40
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03534	$0.03534
Merchant Function Charge	$/kWh	$0.00050	$0.00045
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (SECONDARY)
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
547,200	60%	1,900.0	$27,746.96	$29,646.96	$1,900.00	6.85%	$25,281.66	$25,255.07	-$26.59	-0.11%	$53,028.62	$54,902.03	$1,873.41	3.53%
547,200	50%	1,900.0	$27,746.96	$29,646.96	$1,900.00	6.85%	$24,612.41	$24,585.83	-$26.59	-0.11%	$52,359.38	$54,232.79	$1,873.41	3.58%
547,200	40%	1,900.0	$27,746.96	$29,646.96	$1,900.00	6.85%	$23,943.17	$23,916.58	-$26.59	-0.11%	$51,690.13	$53,563.55	$1,873.41	3.62%
820,800	60%	1,900.0	$29,861.21	$31,761.21	$1,900.00	6.36%	$37,922.48	$37,882.60	-$39.88	-0.11%	$67,783.69	$69,643.81	$1,860.12	2.74%
820,800	50%	1,900.0	$29,861.21	$31,761.21	$1,900.00	6.36%	$36,918.62	$36,878.74	-$39.88	-0.11%	$66,779.83	$68,639.95	$1,860.12	2.79%
820,800	40%	1,900.0	$29,861.21	$31,761.21	$1,900.00	6.36%	$35,914.75	$35,874.87	-$39.88	-0.11%	$65,775.96	$67,636.08	$1,860.12	2.83%
1,094,400	60%	1,900.0	$31,975.46	$33,875.46	$1,900.00	5.94%	$50,563.31	$50,510.14	-$53.17	-0.11%	$82,538.77	$84,385.59	$1,846.83	2.24%
1,094,400	50%	1,900.0	$31,975.46	$33,875.46	$1,900.00	5.94%	$49,224.82	$49,171.65	-$53.17	-0.11%	$81,200.28	$83,047.11	$1,846.83	2.27%
1,094,400	40%	1,900.0	$31,975.46	$33,875.46	$1,900.00	5.94%	$47,886.34	$47,833.17	-$53.17	-0.11%	$79,861.79	$81,708.62	$1,846.83	2.31%
633,600	60%	2,200.0	$31,802.51	$33,996.32	$2,193.81	6.90%	$29,273.50	$29,242.71	-$30.78	-0.11%	$61,076.00	$63,239.03	$2,163.03	3.54%
633,600	50%	2,200.0	$31,802.51	$33,996.32	$2,193.81	6.90%	$28,498.58	$28,467.80	-$30.78	-0.11%	$60,301.09	$62,464.12	$2,163.03	3.59%
633,600	40%	2,200.0	$31,802.51	$33,996.32	$2,193.81	6.90%	$27,723.67	$27,692.89	-$30.78	-0.11%	$59,526.18	$61,689.21	$2,163.03	3.63%
950,400	60%	2,200.0	$34,250.58	$36,444.40	$2,193.81	6.41%	$43,910.24	$43,864.07	-$46.18	-0.11%	$78,160.82	$80,308.46	$2,147.64	2.75%
950,400	50%	2,200.0	$34,250.58	$36,444.40	$2,193.81	6.41%	$42,747.87	$42,701.70	-$46.18	-0.11%	$76,998.45	$79,146.09	$2,147.64	2.79%
950,400	40%	2,200.0	$34,250.58	$36,444.40	$2,193.81	6.41%	$41,585.50	$41,539.33	-$46.18	-0.11%	$75,836.08	$77,983.72	$2,147.64	2.83%
1,267,200	60%	2,200.0	$36,698.66	$38,892.47	$2,193.81	5.98%	$58,546.99	$58,485.42	-$61.57	-0.11%	$95,245.65	$97,377.89	$2,132.25	2.24%
1,267,200	50%	2,200.0	$36,698.66	$38,892.47	$2,193.81	5.98%	$56,997.16	$56,935.60	-$61.57	-0.11%	$93,695.82	$95,828.07	$2,132.25	2.28%
1,267,200	40%	2,200.0	$36,698.66	$38,892.47	$2,193.81	5.98%	$55,447.34	$55,385.77	-$61.57	-0.11%	$92,145.99	$94,278.24	$2,132.25	2.31%
1,008,000	60%	3,500.0	$49,376.53	$52,843.54	$3,467.01	7.02%	$46,571.47	$46,522.50	-$48.97	-0.11%	$95,948.00	$99,366.03	$3,418.04	3.56%
1,008,000	50%	3,500.0	$49,376.53	$52,843.54	$3,467.01	7.02%	$45,338.65	$45,289.68	-$48.97	-0.11%	$94,715.18	$98,133.22	$3,418.04	3.61%
1,008,000	40%	3,500.0	$49,376.53	$52,843.54	$3,467.01	7.02%	$44,105.84	$44,056.86	-$48.97	-0.11%	$93,482.36	$96,900.40	$3,418.04	3.66%
1,512,000	60%	3,500.0	$53,271.19	$56,738.20	$3,467.01	6.51%	$69,857.20	$69,783.74	-$73.46	-0.11%	$123,128.40	$126,521.95	$3,393.55	2.76%
1,512,000	50%	3,500.0	$53,271.19	$56,738.20	$3,467.01	6.51%	$68,007.98	$67,934.52	-$73.46	-0.11%	$121,279.17	$124,672.72	$3,393.55	2.80%
1,512,000	40%	3,500.0	$53,271.19	$56,738.20	$3,467.01	6.51%	$66,158.76	$66,085.29	-$73.46	-0.11%	$119,429.95	$122,823.50	$3,393.55	2.84%
2,016,000	60%	3,500.0	$57,165.86	$60,632.87	$3,467.01	6.06%	$93,142.94	$93,044.99	-$97.95	-0.11%	$150,308.80	$153,677.86	$3,369.06	2.24%
2,016,000	50%	3,500.0	$57,165.86	$60,632.87	$3,467.01	6.06%	$90,677.31	$90,579.36	-$97.95	-0.11%	$147,843.16	$151,212.22	$3,369.06	2.28%
2,016,000	40%	3,500.0	$57,165.86	$60,632.87	$3,467.01	6.06%	$88,211.67	$88,113.73	-$97.95	-0.11%	$145,377.53	$148,746.59	$3,369.06	2.32%
1,152,000	60%	4,000.0	$56,135.77	$60,092.47	$3,956.70	7.05%	$53,224.54	$53,168.57	-$55.97	-0.11%	$109,360.30	$113,261.03	$3,900.73	3.57%
1,152,000	50%	4,000.0	$56,135.77	$60,092.47	$3,956.70	7.05%	$51,815.60	$51,759.63	-$55.97	-0.11%	$107,951.37	$111,852.10	$3,900.73	3.61%
1,152,000	40%	4,000.0	$56,135.77	$60,092.47	$3,956.70	7.05%	$50,406.67	$50,350.70	-$55.97	-0.11%	$106,542.44	$110,443.17	$3,900.73	3.66%
1,728,000	60%	4,000.0	$60,586.81	$64,543.51	$3,956.70	6.53%	$79,836.81	$79,752.85	-$83.96	-0.11%	$140,423.62	$144,296.36	$3,872.75	2.76%
1,728,000	50%	4,000.0	$60,586.81	$64,543.51	$3,956.70	6.53%	$77,723.41	$77,639.45	-$83.96	-0.11%	$138,310.22	$142,182.96	$3,872.75	2.80%
1,728,000	40%	4,000.0	$60,586.81	$64,543.51	$3,956.70	6.53%	$75,610.01	$75,526.05	-$83.96	-0.11%	$136,196.82	$140,069.56	$3,872.75	2.84%
2,304,000	60%	4,000.0	$65,037.86	$68,994.56	$3,956.70	6.08%	$106,449.07	$106,337.13	-$111.94	-0.11%	$171,486.93	$175,331.69	$3,844.76	2.24%
2,304,000	50%	4,000.0	$65,037.86	$68,994.56	$3,956.70	6.08%	$103,631.21	$103,519.27	-$111.94	-0.11%	$168,669.06	$172,513.82	$3,844.76	2.28%
2,304,000	40%	4,000.0	$65,037.86	$68,994.56	$3,956.70	6.08%	$100,813.34	$100,701.40	-$111.94	-0.11%	$165,851.20	$169,695.96	$3,844.76	2.32%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$2,000.00	$2,038.00
Delivery Charge	$/kW	$10.77	$11.72
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.15	$0.15
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.04431	$0.04431
Energy Charge Off-peak (includes capacity)	$/kWh	$0.03220	$0.03220
Merchant Function Charge	$/kWh	$0.00052	$0.00047
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (PRIMARY)
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
777,600	60%	2,700.0	$38,561.75	$41,245.25	$2,683.51	6.96%	$34,860.46	$34,820.61	-$39.84	-0.11%	$73,422.20	$76,065.86	$2,643.66	3.60%
777,600	50%	2,700.0	$38,561.75	$41,245.25	$2,683.51	6.96%	$33,996.50	$33,956.66	-$39.84	-0.12%	$72,558.24	$75,201.91	$2,643.66	3.64%
777,600	40%	2,700.0	$38,561.75	$41,245.25	$2,683.51	6.96%	$33,132.54	$33,092.70	-$39.84	-0.12%	$71,694.29	$74,337.95	$2,643.66	3.69%
1,166,400	60%	2,700.0	$41,566.20	$44,249.71	$2,683.51	6.46%	$52,290.68	$52,230.92	-$59.76	-0.11%	$93,856.88	$96,480.63	$2,623.74	2.80%
1,166,400	50%	2,700.0	$41,566.20	$44,249.71	$2,683.51	6.46%	$50,994.75	$50,934.99	-$59.76	-0.12%	$92,560.95	$95,184.69	$2,623.74	2.83%
1,166,400	40%	2,700.0	$41,566.20	$44,249.71	$2,683.51	6.46%	$49,698.81	$49,639.05	-$59.76	-0.12%	$91,265.01	$93,888.76	$2,623.74	2.87%
1,555,200	60%	2,700.0	$44,570.66	$47,254.16	$2,683.51	6.02%	$69,720.91	$69,641.23	-$79.68	-0.11%	$114,291.57	$116,895.39	$2,603.82	2.28%
1,555,200	50%	2,700.0	$44,570.66	$47,254.16	$2,683.51	6.02%	$67,993.00	$67,913.32	-$79.68	-0.12%	$112,563.65	$115,167.48	$2,603.82	2.31%
1,555,200	40%	2,700.0	$44,570.66	$47,254.16	$2,683.51	6.02%	$66,265.09	$66,185.40	-$79.68	-0.12%	$110,835.74	$113,439.56	$2,603.82	2.35%
1,008,000	60%	3,500.0	$49,376.53	$52,843.54	$3,467.01	7.02%	$45,189.48	$45,137.83	-$51.65	-0.11%	$94,566.01	$97,981.37	$3,415.36	3.61%
1,008,000	50%	3,500.0	$49,376.53	$52,843.54	$3,467.01	7.02%	$44,069.54	$44,017.89	-$51.65	-0.12%	$93,446.06	$96,861.43	$3,415.36	3.65%
1,008,000	40%	3,500.0	$49,376.53	$52,843.54	$3,467.01	7.02%	$42,949.59	$42,897.95	-$51.65	-0.12%	$92,326.12	$95,741.48	$3,415.36	3.70%
1,512,000	60%	3,500.0	$53,271.19	$56,738.20	$3,467.01	6.51%	$67,784.22	$67,706.75	-$77.47	-0.11%	$121,055.41	$124,444.95	$3,389.54	2.80%
1,512,000	50%	3,500.0	$53,271.19	$56,738.20	$3,467.01	6.51%	$66,104.30	$66,026.83	-$77.47	-0.12%	$119,375.50	$122,765.04	$3,389.54	2.84%
1,512,000	40%	3,500.0	$53,271.19	$56,738.20	$3,467.01	6.51%	$64,424.39	$64,346.92	-$77.47	-0.12%	$117,695.58	$121,085.12	$3,389.54	2.88%
2,016,000	60%	3,500.0	$57,165.86	$60,632.87	$3,467.01	6.06%	$90,378.96	$90,275.67	-$103.29	-0.11%	$147,544.81	$150,908.53	$3,363.72	2.28%
2,016,000	50%	3,500.0	$57,165.86	$60,632.87	$3,467.01	6.06%	$88,139.07	$88,035.78	-$103.29	-0.12%	$145,304.93	$148,668.65	$3,363.72	2.31%
2,016,000	40%	3,500.0	$57,165.86	$60,632.87	$3,467.01	6.06%	$85,899.18	$85,795.89	-$103.29	-0.12%	$143,065.04	$146,428.76	$3,363.72	2.35%
1,152,000	60%	4,000.0	$56,135.77	$60,092.47	$3,956.70	7.05%	$51,645.12	$51,586.09	-$59.02	-0.11%	$107,780.89	$111,678.56	$3,897.68	3.62%
1,152,000	50%	4,000.0	$56,135.77	$60,092.47	$3,956.70	7.05%	$50,365.18	$50,306.16	-$59.02	-0.12%	$106,500.95	$110,398.63	$3,897.68	3.66%
1,152,000	40%	4,000.0	$56,135.77	$60,092.47	$3,956.70	7.05%	$49,085.25	$49,026.22	-$59.02	-0.12%	$105,221.01	$109,118.69	$3,897.68	3.70%
1,728,000	60%	4,000.0	$60,586.81	$64,543.51	$3,956.70	6.53%	$77,467.68	$77,379.14	-$88.54	-0.11%	$138,054.49	$141,922.65	$3,868.16	2.80%
1,728,000	50%	4,000.0	$60,586.81	$64,543.51	$3,956.70	6.53%	$75,547.78	$75,459.24	-$88.54	-0.12%	$136,134.59	$140,002.75	$3,868.16	2.84%
1,728,000	40%	4,000.0	$60,586.81	$64,543.51	$3,956.70	6.53%	$73,627.87	$73,539.34	-$88.54	-0.12%	$134,214.68	$138,082.85	$3,868.16	2.88%
2,304,000	60%	4,000.0	$65,037.86	$68,994.56	$3,956.70	6.08%	$103,290.24	$103,172.19	-$118.05	-0.11%	$168,328.09	$172,166.75	$3,838.65	2.28%
2,304,000	50%	4,000.0	$65,037.86	$68,994.56	$3,956.70	6.08%	$100,730.37	$100,612.32	-$118.05	-0.12%	$165,768.22	$169,606.88	$3,838.65	2.32%
2,304,000	40%	4,000.0	$65,037.86	$68,994.56	$3,956.70	6.08%	$98,170.50	$98,052.45	-$118.05	-0.12%	$163,208.35	$167,047.01	$3,838.65	2.35%
3,888,000	60%	13,500.0	$184,561.30	$197,822.13	$13,260.82	7.19%	$174,302.28	$174,103.07	-$199.21	-0.11%	$358,863.58	$371,925.20	$13,061.62	3.64%
3,888,000	50%	13,500.0	$184,561.30	$197,822.13	$13,260.82	7.19%	$169,982.50	$169,783.29	-$199.21	-0.12%	$354,543.80	$367,605.42	$13,061.62	3.68%
3,888,000	40%	13,500.0	$184,561.30	$197,822.13	$13,260.82	7.19%	$165,662.71	$165,463.51	-$199.21	-0.12%	$350,224.02	$363,285.64	$13,061.62	3.73%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$2,000.00	$2,038.00
Delivery Charge	$/kW	$10.77	$11.72
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.15	$0.15
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.04251	$0.04251
Energy Charge Off-peak (includes capacity)	$/kWh	$0.03151	$0.03151
Merchant Function Charge	$/kWh	$0.00051	$0.00046
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (SUBTRANSMISSION)
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$18,214.92	$19,373.69	$1,158.76	6.36%	$31,990.19	$31,952.67	-$37.51	-0.12%	$50,205.11	$51,326.36	$1,121.25	2.23%
720,000	50%	2,500.0	$18,214.92	$19,373.69	$1,158.76	6.36%	$31,187.47	$31,149.96	-$37.51	-0.12%	$49,402.39	$50,523.65	$1,121.25	2.27%
720,000	40%	2,500.0	$18,214.92	$19,373.69	$1,158.76	6.36%	$30,384.76	$30,347.24	-$37.51	-0.12%	$48,599.68	$49,720.93	$1,121.25	2.31%
1,080,000	60%	2,500.0	$20,996.83	$22,155.59	$1,158.76	5.52%	$47,985.28	$47,929.01	-$56.27	-0.12%	$68,982.11	$70,084.60	$1,102.49	1.60%
1,080,000	50%	2,500.0	$20,996.83	$22,155.59	$1,158.76	5.52%	$46,781.21	$46,724.94	-$56.27	-0.12%	$67,778.03	$68,880.53	$1,102.49	1.63%
1,080,000	40%	2,500.0	$20,996.83	$22,155.59	$1,158.76	5.52%	$45,577.13	$45,520.87	-$56.27	-0.12%	$66,573.96	$67,676.46	$1,102.49	1.66%
1,440,000	60%	2,500.0	$23,778.73	$24,937.49	$1,158.76	4.87%	$63,980.37	$63,905.35	-$75.02	-0.12%	$87,759.10	$88,842.84	$1,083.74	1.23%
1,440,000	50%	2,500.0	$23,778.73	$24,937.49	$1,158.76	4.87%	$62,374.94	$62,299.92	-$75.02	-0.12%	$86,153.67	$87,237.41	$1,083.74	1.26%
1,440,000	40%	2,500.0	$23,778.73	$24,937.49	$1,158.76	4.87%	$60,769.51	$60,694.49	-$75.02	-0.12%	$84,548.24	$85,631.98	$1,083.74	1.28%
1,094,400	60%	3,800.0	$26,382.93	$28,117.98	$1,735.05	6.58%	$48,625.08	$48,568.07	-$57.02	-0.12%	$75,008.01	$76,686.05	$1,678.03	2.24%
1,094,400	50%	3,800.0	$26,382.93	$28,117.98	$1,735.05	6.58%	$47,404.96	$47,347.94	-$57.02	-0.12%	$73,787.89	$75,465.92	$1,678.03	2.27%
1,094,400	40%	3,800.0	$26,382.93	$28,117.98	$1,735.05	6.58%	$46,184.83	$46,127.81	-$57.02	-0.12%	$72,567.76	$74,245.79	$1,678.03	2.31%
1,641,600	60%	3,800.0	$30,611.42	$32,346.47	$1,735.05	5.67%	$72,937.63	$72,852.10	-$85.53	-0.12%	$103,549.05	$105,198.57	$1,649.52	1.59%
1,641,600	50%	3,800.0	$30,611.42	$32,346.47	$1,735.05	5.67%	$71,107.44	$71,021.91	-$85.53	-0.12%	$101,718.86	$103,368.38	$1,649.52	1.62%
1,641,600	40%	3,800.0	$30,611.42	$32,346.47	$1,735.05	5.67%	$69,277.25	$69,191.72	-$85.53	-0.12%	$99,888.67	$101,538.19	$1,649.52	1.65%
2,188,800	60%	3,800.0	$34,839.92	$36,574.97	$1,735.05	4.98%	$97,250.17	$97,136.13	-$114.04	-0.12%	$132,090.08	$133,711.10	$1,621.01	1.23%
2,188,800	50%	3,800.0	$34,839.92	$36,574.97	$1,735.05	4.98%	$94,809.91	$94,695.88	-$114.04	-0.12%	$129,649.83	$131,270.84	$1,621.01	1.25%
2,188,800	40%	3,800.0	$34,839.92	$36,574.97	$1,735.05	4.98%	$92,369.66	$92,255.62	-$114.04	-0.12%	$127,209.58	$128,830.59	$1,621.01	1.27%
1,152,000	60%	4,000.0	$27,639.55	$29,463.26	$1,823.71	6.60%	$51,184.30	$51,124.28	-$60.02	-0.12%	$78,823.85	$80,587.54	$1,763.69	2.24%
1,152,000	50%	4,000.0	$27,639.55	$29,463.26	$1,823.71	6.60%	$49,899.95	$49,839.94	-$60.02	-0.12%	$77,539.50	$79,303.19	$1,763.69	2.27%
1,152,000	40%	4,000.0	$27,639.55	$29,463.26	$1,823.71	6.60%	$48,615.61	$48,555.59	-$60.02	-0.12%	$76,255.16	$78,018.85	$1,763.69	2.31%
1,728,000	60%	4,000.0	$32,090.59	$33,914.30	$1,823.71	5.68%	$76,776.45	$76,686.42	-$90.03	-0.12%	$108,867.04	$110,600.72	$1,733.68	1.59%
1,728,000	50%	4,000.0	$32,090.59	$33,914.30	$1,823.71	5.68%	$74,849.93	$74,759.90	-$90.03	-0.12%	$106,940.52	$108,674.21	$1,733.68	1.62%
1,728,000	40%	4,000.0	$32,090.59	$33,914.30	$1,823.71	5.68%	$72,923.42	$72,833.39	-$90.03	-0.12%	$105,014.01	$106,747.69	$1,733.68	1.65%
2,304,000	60%	4,000.0	$36,541.64	$38,365.35	$1,823.71	4.99%	$102,368.60	$102,248.56	-$120.04	-0.12%	$138,910.23	$140,613.91	$1,703.67	1.23%
2,304,000	50%	4,000.0	$36,541.64	$38,365.35	$1,823.71	4.99%	$99,799.91	$99,679.87	-$120.04	-0.12%	$136,341.55	$138,045.22	$1,703.67	1.25%
2,304,000	40%	4,000.0	$36,541.64	$38,365.35	$1,823.71	4.99%	$97,231.22	$97,111.18	-$120.04	-0.12%	$133,772.86	$135,476.53	$1,703.67	1.27%
3,888,000	60%	13,500.0	$87,328.83	$93,363.88	$6,035.05	6.91%	$172,747.01	$172,544.44	-$202.57	-0.12%	$260,075.84	$265,908.33	$5,832.48	2.24%
3,888,000	50%	13,500.0	$87,328.83	$93,363.88	$6,035.05	6.91%	$168,412.35	$168,209.78	-$202.57	-0.12%	$255,741.18	$261,573.66	$5,832.48	2.28%
3,888,000	40%	13,500.0	$87,328.83	$93,363.88	$6,035.05	6.91%	$164,077.69	$163,875.12	-$202.57	-0.12%	$251,406.52	$257,239.00	$5,832.48	2.32%
5,832,000	60%	13,500.0	$102,351.11	$108,386.16	$6,035.05	5.90%	$259,120.52	$258,816.67	-$303.85	-0.12%	$361,471.62	$367,202.82	$5,731.20	1.59%
5,832,000	50%	13,500.0	$102,351.11	$108,386.16	$6,035.05	5.90%	$252,618.52	$252,314.67	-$303.85	-0.12%	$354,969.63	$360,700.83	$5,731.20	1.61%
5,832,000	40%	13,500.0	$102,351.11	$108,386.16	$6,035.05	5.90%	$246,116.53	$245,812.68	-$303.85	-0.12%	$348,467.64	$354,198.84	$5,731.20	1.64%
7,776,000	60%	13,500.0	$117,373.38	$123,408.43	$6,035.05	5.14%	$345,494.02	$345,088.89	-$405.13	-0.12%	$462,867.40	$468,497.32	$5,629.92	1.22%
7,776,000	50%	13,500.0	$117,373.38	$123,408.43	$6,035.05	5.14%	$336,824.70	$336,419.56	-$405.13	-0.12%	$454,198.08	$459,828.00	$5,629.92	1.24%
7,776,000	40%	13,500.0	$117,373.38	$123,408.43	$6,035.05	5.14%	$328,155.37	$327,750.24	-$405.13	-0.12%	$445,528.75	$451,158.67	$5,629.92	1.26%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$2,432.00	$2,481.00
Delivery Charge	$/kW	$3.76	$4.19
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.04214	$0.04214
Energy Charge Off-peak (includes capacity)	$/kWh	$0.03110	$0.03110
Merchant Function Charge	$/kWh	$0.00051	$0.00046
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC3A-LARGE GENERAL SERVICE (TRANSMISSION)
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$20,006.68	$21,799.46	$1,792.78	8.96%	$30,958.65	$30,919.12	-$39.52	-0.13%	$50,965.32	$52,718.58	$1,753.26	3.44%
720,000	50%	2,500.0	$20,006.68	$21,799.46	$1,792.78	8.96%	$30,233.09	$30,193.57	-$39.52	-0.13%	$50,239.77	$51,993.03	$1,753.26	3.49%
720,000	40%	2,500.0	$20,006.68	$21,799.46	$1,792.78	8.96%	$29,507.54	$29,468.02	-$39.52	-0.13%	$49,514.21	$51,267.47	$1,753.26	3.54%
1,080,000	60%	2,500.0	$22,788.58	$24,581.36	$1,792.78	7.87%	$46,437.97	$46,378.68	-$59.29	-0.13%	$69,226.55	$70,960.04	$1,733.50	2.50%
1,080,000	50%	2,500.0	$22,788.58	$24,581.36	$1,792.78	7.87%	$45,349.64	$45,290.35	-$59.29	-0.13%	$68,138.22	$69,871.71	$1,733.50	2.54%
1,080,000	40%	2,500.0	$22,788.58	$24,581.36	$1,792.78	7.87%	$44,261.31	$44,202.02	-$59.29	-0.13%	$67,049.89	$68,783.38	$1,733.50	2.59%
1,440,000	60%	2,500.0	$25,570.48	$27,363.26	$1,792.78	7.01%	$61,917.29	$61,838.24	-$79.05	-0.13%	$87,487.77	$89,201.51	$1,713.73	1.96%
1,440,000	50%	2,500.0	$25,570.48	$27,363.26	$1,792.78	7.01%	$60,466.18	$60,387.14	-$79.05	-0.13%	$86,036.67	$87,750.40	$1,713.73	1.99%
1,440,000	40%	2,500.0	$25,570.48	$27,363.26	$1,792.78	7.01%	$59,015.08	$58,936.03	-$79.05	-0.13%	$84,585.56	$86,299.29	$1,713.73	2.03%
1,152,000	60%	4,000.0	$28,905.53	$31,703.46	$2,797.94	9.68%	$49,533.83	$49,470.59	-$63.24	-0.13%	$78,439.36	$81,174.06	$2,734.70	3.49%
1,152,000	50%	4,000.0	$28,905.53	$31,703.46	$2,797.94	9.68%	$48,372.95	$48,309.71	-$63.24	-0.13%	$77,278.47	$80,013.17	$2,734.70	3.54%
1,152,000	40%	4,000.0	$28,905.53	$31,703.46	$2,797.94	9.68%	$47,212.06	$47,148.82	-$63.24	-0.13%	$76,117.59	$78,852.29	$2,734.70	3.59%
1,728,000	60%	4,000.0	$33,356.57	$36,154.51	$2,797.94	8.39%	$74,300.75	$74,205.89	-$94.86	-0.13%	$107,657.32	$110,360.40	$2,703.08	2.51%
1,728,000	50%	4,000.0	$33,356.57	$36,154.51	$2,797.94	8.39%	$72,559.42	$72,464.56	-$94.86	-0.13%	$105,915.99	$108,619.07	$2,703.08	2.55%
1,728,000	40%	4,000.0	$33,356.57	$36,154.51	$2,797.94	8.39%	$70,818.09	$70,723.24	-$94.86	-0.13%	$104,174.67	$106,877.74	$2,703.08	2.59%
2,304,000	60%	4,000.0	$37,807.62	$40,605.55	$2,797.94	7.40%	$99,067.67	$98,941.19	-$126.48	-0.13%	$136,875.28	$139,546.74	$2,671.46	1.95%
2,304,000	50%	4,000.0	$37,807.62	$40,605.55	$2,797.94	7.40%	$96,745.90	$96,619.42	-$126.48	-0.13%	$134,553.51	$137,224.97	$2,671.46	1.99%
2,304,000	40%	4,000.0	$37,807.62	$40,605.55	$2,797.94	7.40%	$94,424.13	$94,297.65	-$126.48	-0.13%	$132,231.74	$134,903.20	$2,671.46	2.02%
2,620,800	60%	9,100.0	$59,161.62	$65,377.08	$6,215.46	10.51%	$112,689.47	$112,545.60	-$143.87	-0.13%	$171,851.09	$177,922.68	$6,071.59	3.53%
2,620,800	50%	9,100.0	$59,161.62	$65,377.08	$6,215.46	10.51%	$110,048.46	$109,904.59	-$143.87	-0.13%	$169,210.07	$175,281.67	$6,071.59	3.59%
2,620,800	40%	9,100.0	$59,161.62	$65,377.08	$6,215.46	10.51%	$107,407.44	$107,263.57	-$143.87	-0.13%	$166,569.06	$172,640.66	$6,071.59	3.65%
3,931,200	60%	9,100.0	$69,287.74	$75,503.21	$6,215.46	8.97%	$169,034.20	$168,818.40	-$215.80	-0.13%	$238,321.95	$244,321.61	$5,999.66	2.52%
3,931,200	50%	9,100.0	$69,287.74	$75,503.21	$6,215.46	8.97%	$165,072.68	$164,856.88	-$215.80	-0.13%	$234,360.43	$240,360.09	$5,999.66	2.56%
3,931,200	40%	9,100.0	$69,287.74	$75,503.21	$6,215.46	8.97%	$161,111.17	$160,895.36	-$215.80	-0.13%	$230,398.91	$236,398.57	$5,999.66	2.60%
5,241,600	60%	9,100.0	$79,413.87	$85,629.34	$6,215.46	7.83%	$225,378.94	$225,091.20	-$287.74	-0.13%	$304,792.81	$310,720.54	$5,927.73	1.94%
5,241,600	50%	9,100.0	$79,413.87	$85,629.34	$6,215.46	7.83%	$220,096.91	$219,809.17	-$287.74	-0.13%	$299,510.78	$305,438.51	$5,927.73	1.98%
5,241,600	40%	9,100.0	$79,413.87	$85,629.34	$6,215.46	7.83%	$214,814.89	$214,527.15	-$287.74	-0.13%	$294,228.76	$300,156.48	$5,927.73	2.01%
3,888,000	60%	13,500.0	$85,264.91	$94,428.83	$9,163.92	10.75%	$167,176.68	$166,963.25	-$213.43	-0.13%	$252,441.60	$261,392.08	$8,950.49	3.55%
3,888,000	50%	13,500.0	$85,264.91	$94,428.83	$9,163.92	10.75%	$163,258.70	$163,045.27	-$213.43	-0.13%	$248,523.61	$257,474.10	$8,950.49	3.60%
3,888,000	40%	13,500.0	$85,264.91	$94,428.83	$9,163.92	10.75%	$159,340.71	$159,127.28	-$213.43	-0.13%	$244,605.63	$253,556.11	$8,950.49	3.66%
5,832,000	60%	13,500.0	$100,287.19	$109,451.11	$9,163.92	9.14%	$250,765.03	$250,444.88	-$320.15	-0.13%	$351,052.22	$359,895.99	$8,843.77	2.52%
5,832,000	50%	13,500.0	$100,287.19	$109,451.11	$9,163.92	9.14%	$244,888.05	$244,567.90	-$320.15	-0.13%	$345,175.24	$354,019.01	$8,843.77	2.56%
5,832,000	40%	13,500.0	$100,287.19	$109,451.11	$9,163.92	9.14%	$239,011.07	$238,690.92	-$320.15	-0.13%	$339,298.26	$348,142.03	$8,843.77	2.61%
7,776,000	60%	13,500.0	$115,309.47	$124,473.38	$9,163.92	7.95%	$334,353.37	$333,926.51	-$426.86	-0.13%	$449,662.83	$458,399.89	$8,737.05	1.94%
7,776,000	50%	13,500.0	$115,309.47	$124,473.38	$9,163.92	7.95%	$326,517.40	$326,090.53	-$426.86	-0.13%	$441,826.86	$450,563.92	$8,737.05	1.98%
7,776,000	40%	13,500.0	$115,309.47	$124,473.38	$9,163.92	7.95%	$318,681.43	$318,254.56	-$426.86	-0.13%	$433,990.89	$442,727.94	$8,737.05	2.01%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$5,020.00	$5,134.00
Delivery Charge	$/kW	$3.39	$4.04
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.17	$0.17
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.04030	$0.04030
Energy Charge Off-peak (includes capacity)	$/kWh	$0.03033	$0.03033
Merchant Function Charge	$/kWh	$0.00050	$0.00045
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC2-SMALL GENERAL SERVICE (METERED DEMAND)
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
1,008	7.0	$149.16	$151.01	$1.86	1.24%	$47.70	$47.32	-$0.38	-0.80%	$196.86	$198.34	$1.47	0.75%
1,512	7.0	$153.05	$154.91	$1.86	1.21%	$71.56	$70.98	-$0.57	-0.80%	$224.61	$225.89	$1.28	0.57%
2,016	7.0	$156.95	$158.80	$1.86	1.18%	$95.41	$94.65	-$0.76	-0.80%	$252.35	$253.45	$1.09	0.43%
2,520	7.0	$160.84	$162.70	$1.86	1.15%	$119.26	$118.31	-$0.95	-0.80%	$280.10	$281.00	$0.90	0.32%
2,160	15.0	$257.74	$265.21	$7.46	2.90%	$102.22	$101.41	-$0.82	-0.80%	$359.97	$366.61	$6.65	1.85%
3,240	15.0	$266.09	$273.55	$7.46	2.81%	$153.34	$152.11	-$1.22	-0.80%	$419.42	$425.66	$6.24	1.49%
4,320	15.0	$274.43	$281.90	$7.46	2.72%	$204.45	$202.81	-$1.63	-0.80%	$478.88	$484.71	$5.83	1.22%
5,400	15.0	$282.78	$290.24	$7.46	2.64%	$255.56	$253.52	-$2.04	-0.80%	$538.34	$543.76	$5.42	1.01%
3,168	22.0	$352.76	$365.13	$12.37	3.51%	$149.93	$148.73	-$1.20	-0.80%	$502.68	$513.86	$11.17	2.22%
4,752	22.0	$365.00	$377.37	$12.37	3.39%	$224.89	$223.10	-$1.80	-0.80%	$589.89	$600.46	$10.57	1.79%
6,336	22.0	$377.24	$389.61	$12.37	3.28%	$299.86	$297.46	-$2.40	-0.80%	$677.09	$687.07	$9.98	1.47%
7,920	22.0	$389.48	$401.85	$12.37	3.18%	$374.82	$371.83	-$2.99	-0.80%	$764.30	$773.67	$9.38	1.23%
5,760	40.0	$597.07	$622.06	$24.99	4.19%	$272.60	$270.42	-$2.18	-0.80%	$869.67	$892.48	$22.81	2.62%
8,640	40.0	$619.33	$644.32	$24.99	4.03%	$408.89	$405.63	-$3.27	-0.80%	$1,028.22	$1,049.95	$21.72	2.11%
11,520	40.0	$641.58	$666.57	$24.99	3.89%	$545.19	$540.84	-$4.35	-0.80%	$1,186.78	$1,207.41	$20.64	1.74%
14,400	40.0	$663.84	$688.83	$24.99	3.76%	$681.49	$676.05	-$5.44	-0.80%	$1,345.33	$1,364.88	$19.55	1.45%
8,640	60.0	$868.54	$907.55	$39.01	4.49%	$408.89	$405.63	-$3.27	-0.80%	$1,277.43	$1,313.18	$35.74	2.80%
12,960	60.0	$901.92	$940.93	$39.01	4.33%	$613.34	$608.44	-$4.90	-0.80%	$1,515.26	$1,549.37	$34.11	2.25%
17,280	60.0	$935.30	$974.31	$39.01	4.17%	$817.79	$811.26	-$6.53	-0.80%	$1,753.09	$1,785.57	$32.48	1.85%
21,600	60.0	$968.69	$1,007.70	$39.01	4.03%	$1,022.23	$1,014.07	-$8.16	-0.80%	$1,990.92	$2,021.77	$30.85	1.55%
11,520	80.0	$1,140.00	$1,193.03	$53.03	4.65%	$545.19	$540.84	-$4.35	-0.80%	$1,685.20	$1,733.87	$48.68	2.89%
17,280	80.0	$1,184.51	$1,237.55	$53.03	4.48%	$817.79	$811.26	-$6.53	-0.80%	$2,002.30	$2,048.80	$46.50	2.32%
23,040	80.0	$1,229.02	$1,282.06	$53.03	4.31%	$1,090.38	$1,081.67	-$8.71	-0.80%	$2,319.41	$2,363.73	$44.32	1.91%
28,800	80.0	$1,273.54	$1,326.57	$53.03	4.16%	$1,362.98	$1,352.09	-$10.89	-0.80%	$2,636.51	$2,678.66	$42.14	1.60%
14,400	100.0	$1,411.47	$1,478.52	$67.05	4.75%	$681.49	$676.05	-$5.44	-0.80%	$2,092.96	$2,154.57	$61.61	2.94%
21,600	100.0	$1,467.11	$1,534.16	$67.05	4.57%	$1,022.23	$1,014.07	-$8.16	-0.80%	$2,489.34	$2,548.23	$58.89	2.37%
28,800	100.0	$1,522.74	$1,589.80	$67.05	4.40%	$1,362.98	$1,352.09	-$10.89	-0.80%	$2,885.72	$2,941.89	$56.17	1.95%
36,000	100.0	$1,578.38	$1,645.43	$67.05	4.25%	$1,703.72	$1,690.11	-$13.61	-0.80%	$3,282.11	$3,335.55	$53.44	1.63%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$52.52	$49.56
Delivery Charge	$/kW	$12.44	$13.54
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.53000	-$0.95000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03933	$0.03933
Merchant Function Charge	$/kWh	$0.00177	$0.00139
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3-LARGE GENERAL SERVICE (SECONDARY)
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,796.18	$1,843.39	$47.22	2.63%	$1,307.78	$1,306.41	-$1.36	-0.10%	$3,103.95	$3,149.81	$45.85	1.48%
36,000	100.0	$1,851.82	$1,899.03	$47.22	2.55%	$1,634.72	$1,633.02	-$1.70	-0.10%	$3,486.54	$3,532.05	$45.51	1.31%
43,200	100.0	$1,907.45	$1,954.67	$47.22	2.48%	$1,961.66	$1,959.62	-$2.04	-0.10%	$3,869.12	$3,914.29	$45.17	1.17%
57,600	100.0	$2,018.73	$2,065.95	$47.22	2.34%	$2,615.55	$2,612.83	-$2.73	-0.10%	$4,634.28	$4,678.77	$44.49	0.96%
66,240	230.0	$3,521.41	$3,618.22	$96.80	2.75%	$3,007.88	$3,004.75	-$3.13	-0.10%	$6,529.30	$6,622.97	$93.67	1.43%
82,800	230.0	$3,649.38	$3,746.19	$96.80	2.65%	$3,759.85	$3,755.94	-$3.92	-0.10%	$7,409.24	$7,502.12	$92.89	1.25%
99,360	230.0	$3,777.35	$3,874.15	$96.80	2.56%	$4,511.83	$4,507.12	-$4.70	-0.10%	$8,289.18	$8,381.28	$92.10	1.11%
132,480	230.0	$4,033.28	$4,130.09	$96.80	2.40%	$6,015.77	$6,009.50	-$6.27	-0.10%	$10,049.05	$10,139.59	$90.53	0.90%
100,800	350.0	$5,113.94	$5,256.52	$142.58	2.79%	$4,577.21	$4,572.44	-$4.77	-0.10%	$9,691.16	$9,828.96	$137.81	1.42%
126,000	350.0	$5,308.67	$5,451.25	$142.58	2.69%	$5,721.52	$5,715.56	-$5.96	-0.10%	$11,030.19	$11,166.81	$136.61	1.24%
151,200	350.0	$5,503.41	$5,645.99	$142.58	2.59%	$6,865.82	$6,858.67	-$7.16	-0.10%	$12,369.23	$12,504.65	$135.42	1.09%
201,600	350.0	$5,892.87	$6,035.45	$142.58	2.42%	$9,154.43	$9,144.89	-$9.54	-0.10%	$15,047.30	$15,180.34	$133.04	0.88%
144,000	500.0	$7,104.60	$7,304.39	$199.79	2.81%	$6,538.88	$6,532.06	-$6.81	-0.10%	$13,643.48	$13,836.46	$192.98	1.41%
180,000	500.0	$7,382.79	$7,582.58	$199.79	2.71%	$8,173.60	$8,165.08	-$8.52	-0.10%	$15,556.39	$15,747.66	$191.28	1.23%
216,000	500.0	$7,660.98	$7,860.77	$199.79	2.61%	$9,808.32	$9,798.09	-$10.22	-0.10%	$17,469.30	$17,658.87	$189.57	1.09%
288,000	500.0	$8,217.36	$8,417.15	$199.79	2.43%	$13,077.76	$13,064.13	-$13.63	-0.10%	$21,295.12	$21,481.28	$186.16	0.87%
216,000	750.0	$10,422.36	$10,717.52	$295.15	2.83%	$9,808.32	$9,798.09	-$10.22	-0.10%	$20,230.68	$20,515.61	$284.93	1.41%
270,000	750.0	$10,839.65	$11,134.80	$295.15	2.72%	$12,260.40	$12,247.62	-$12.78	-0.10%	$23,100.05	$23,382.42	$282.38	1.22%
324,000	750.0	$11,256.93	$11,552.09	$295.15	2.62%	$14,712.48	$14,697.14	-$15.33	-0.10%	$25,969.41	$26,249.23	$279.82	1.08%
432,000	750.0	$12,091.51	$12,386.66	$295.15	2.44%	$19,616.63	$19,596.19	-$20.44	-0.10%	$31,708.14	$31,982.85	$274.71	0.87%
432,000	1,500.0	$20,375.65	$20,956.89	$581.24	2.85%	$19,616.63	$19,596.19	-$20.44	-0.10%	$39,992.29	$40,553.08	$560.79	1.40%
540,000	1,500.0	$21,210.23	$21,791.46	$581.24	2.74%	$24,520.79	$24,495.24	-$25.56	-0.10%	$45,731.02	$46,286.70	$555.68	1.22%
648,000	1,500.0	$22,044.80	$22,626.03	$581.24	2.64%	$29,424.95	$29,394.28	-$30.67	-0.10%	$51,469.75	$52,020.32	$550.57	1.07%
864,000	1,500.0	$23,713.94	$24,295.18	$581.24	2.45%	$39,233.27	$39,192.38	-$40.89	-0.10%	$62,947.21	$63,487.55	$540.35	0.86%
576,000	2,000.0	$27,011.18	$27,783.14	$771.96	2.86%	$26,155.51	$26,128.25	-$27.26	-0.10%	$53,166.69	$53,911.39	$744.70	1.40%
720,000	2,000.0	$28,123.94	$28,895.90	$771.96	2.74%	$32,694.39	$32,660.32	-$34.07	-0.10%	$60,818.33	$61,556.22	$737.88	1.21%
864,000	2,000.0	$29,236.70	$30,008.66	$771.96	2.64%	$39,233.27	$39,192.38	-$40.89	-0.10%	$68,469.97	$69,201.04	$731.07	1.07%
1,152,000	2,000.0	$31,462.23	$32,234.19	$771.96	2.45%	$52,311.02	$52,256.51	-$54.52	-0.10%	$83,773.25	$84,490.69	$717.44	0.86%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$455.00	$463.80
Delivery Charge	$/kW	$11.21	$12.06
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.17	$0.17
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.70000	-$1.18000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03867	$0.03867
Merchant Function Charge	$/kWh	$0.00053	$0.00048
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3-LARGE GENERAL SERVICE (PRIMARY)
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,634.01	$1,678.65	$44.64	2.73%	$1,285.32	$1,283.91	-$1.41	-0.11%	$2,919.34	$2,962.57	$43.23	1.48%
36,000	100.0	$1,689.65	$1,734.29	$44.64	2.64%	$1,606.66	$1,604.89	-$1.76	-0.11%	$3,296.31	$3,339.18	$42.88	1.30%
43,200	100.0	$1,745.29	$1,789.93	$44.64	2.56%	$1,927.99	$1,925.87	-$2.12	-0.11%	$3,673.28	$3,715.80	$42.52	1.16%
57,600	100.0	$1,856.56	$1,901.20	$44.64	2.40%	$2,570.65	$2,567.83	-$2.82	-0.11%	$4,427.21	$4,469.03	$41.82	0.94%
57,600	200.0	$2,817.82	$2,900.60	$82.78	2.94%	$2,570.65	$2,567.83	-$2.82	-0.11%	$5,388.47	$5,468.43	$79.96	1.48%
72,000	200.0	$2,929.10	$3,011.88	$82.78	2.83%	$3,213.31	$3,209.78	-$3.53	-0.11%	$6,142.41	$6,221.66	$79.26	1.29%
86,400	200.0	$3,040.37	$3,123.15	$82.78	2.72%	$3,855.97	$3,851.74	-$4.23	-0.11%	$6,896.35	$6,974.90	$78.55	1.14%
115,200	200.0	$3,262.92	$3,345.71	$82.78	2.54%	$5,141.30	$5,135.66	-$5.64	-0.11%	$8,404.22	$8,481.36	$77.14	0.92%
72,000	250.0	$3,409.72	$3,511.58	$101.86	2.99%	$3,213.31	$3,209.78	-$3.53	-0.11%	$6,623.03	$6,721.36	$98.33	1.48%
90,000	250.0	$3,548.82	$3,650.67	$101.86	2.87%	$4,016.64	$4,012.23	-$4.41	-0.11%	$7,565.46	$7,662.90	$97.45	1.29%
108,000	250.0	$3,687.91	$3,789.77	$101.86	2.76%	$4,819.97	$4,814.68	-$5.29	-0.11%	$8,507.88	$8,604.45	$96.56	1.14%
144,000	250.0	$3,966.10	$4,067.96	$101.86	2.57%	$6,426.62	$6,419.57	-$7.05	-0.11%	$10,392.73	$10,487.53	$94.80	0.91%
135,360	470.0	$6,014.10	$6,199.87	$185.77	3.09%	$6,041.03	$6,034.39	-$6.63	-0.11%	$12,055.12	$12,234.26	$179.14	1.49%
169,200	470.0	$6,275.60	$6,461.37	$185.77	2.96%	$7,551.28	$7,542.99	-$8.29	-0.11%	$13,826.88	$14,004.36	$177.48	1.28%
203,040	470.0	$6,537.09	$6,722.87	$185.77	2.84%	$9,061.54	$9,051.59	-$9.95	-0.11%	$15,598.63	$15,774.46	$175.83	1.13%
270,720	470.0	$7,060.09	$7,245.87	$185.77	2.63%	$12,082.05	$12,068.79	-$13.26	-0.11%	$19,142.14	$19,314.66	$172.51	0.90%
216,000	750.0	$9,328.76	$9,621.33	$292.58	3.14%	$9,639.94	$9,629.35	-$10.58	-0.11%	$18,968.69	$19,250.69	$282.00	1.49%
270,000	750.0	$9,746.04	$10,038.62	$292.58	3.00%	$12,049.92	$12,036.69	-$13.23	-0.11%	$21,795.96	$22,075.31	$279.35	1.28%
324,000	750.0	$10,163.33	$10,455.90	$292.58	2.88%	$14,459.90	$14,444.03	-$15.87	-0.11%	$24,623.23	$24,899.93	$276.70	1.12%
432,000	750.0	$10,997.90	$11,290.47	$292.58	2.66%	$19,279.87	$19,258.71	-$21.16	-0.11%	$30,277.77	$30,549.18	$271.41	0.90%
432,000	1,500.0	$18,207.30	$18,785.96	$578.66	3.18%	$19,279.87	$19,258.71	-$21.16	-0.11%	$37,487.17	$38,044.67	$557.50	1.49%
540,000	1,500.0	$19,041.88	$19,620.53	$578.66	3.04%	$24,099.84	$24,073.38	-$26.45	-0.11%	$43,141.71	$43,693.92	$552.21	1.28%
648,000	1,500.0	$19,876.45	$20,455.11	$578.66	2.91%	$28,919.81	$28,888.06	-$31.75	-0.11%	$48,796.25	$49,343.17	$546.91	1.12%
864,000	1,500.0	$21,545.59	$22,124.25	$578.66	2.69%	$38,559.74	$38,517.41	-$42.33	-0.11%	$60,105.33	$60,641.66	$536.33	0.89%
576,000	2,000.0	$24,126.34	$24,895.72	$769.38	3.19%	$25,706.49	$25,678.28	-$28.22	-0.11%	$49,832.83	$50,573.99	$741.16	1.49%
720,000	2,000.0	$25,239.10	$26,008.48	$769.38	3.05%	$32,133.12	$32,097.84	-$35.27	-0.11%	$57,372.22	$58,106.32	$734.11	1.28%
864,000	2,000.0	$26,351.86	$27,121.24	$769.38	2.92%	$38,559.74	$38,517.41	-$42.33	-0.11%	$64,911.60	$65,638.65	$727.05	1.12%
1,152,000	2,000.0	$28,577.38	$29,346.76	$769.38	2.69%	$51,412.99	$51,356.55	-$56.44	-0.11%	$79,990.37	$80,703.31	$712.95	0.89%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$436.70	$443.00
Delivery Charge	$/kW	$9.89	$10.69
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.18	$0.18
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.78000	-$1.21000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03791	$0.03791
Merchant Function Charge	$/kWh	$0.00052	$0.00047
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3-LARGE GENERAL SERVICE (SUBTRANSMISSION)
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,290.16	$1,329.24	$39.07	3.03%	$1,263.81	$1,262.36	-$1.46	-0.12%	$2,553.98	$2,591.59	$37.62	1.47%
36,000	100.0	$1,345.80	$1,384.87	$39.07	2.90%	$1,579.77	$1,577.95	-$1.82	-0.12%	$2,925.57	$2,962.82	$37.25	1.27%
43,200	100.0	$1,401.44	$1,440.51	$39.07	2.79%	$1,895.72	$1,893.53	-$2.19	-0.12%	$3,297.16	$3,334.05	$36.89	1.12%
57,600	100.0	$1,512.72	$1,551.79	$39.07	2.58%	$2,527.63	$2,524.71	-$2.91	-0.12%	$4,040.34	$4,076.50	$36.16	0.89%
57,600	200.0	$1,770.02	$1,829.71	$59.69	3.37%	$2,527.63	$2,524.71	-$2.91	-0.12%	$4,297.64	$4,354.42	$56.78	1.32%
72,000	200.0	$1,881.29	$1,940.99	$59.69	3.17%	$3,159.53	$3,155.89	-$3.64	-0.12%	$5,040.83	$5,096.88	$56.05	1.11%
86,400	200.0	$1,992.57	$2,052.26	$59.69	3.00%	$3,791.44	$3,787.07	-$4.37	-0.12%	$5,784.01	$5,839.33	$55.32	0.96%
115,200	200.0	$2,215.12	$2,274.81	$59.69	2.69%	$5,055.25	$5,049.42	-$5.83	-0.12%	$7,270.37	$7,324.24	$53.86	0.74%
72,000	250.0	$2,009.95	$2,079.95	$70.00	3.48%	$3,159.53	$3,155.89	-$3.64	-0.12%	$5,169.48	$5,235.84	$66.36	1.28%
90,000	250.0	$2,149.04	$2,219.04	$70.00	3.26%	$3,949.42	$3,944.86	-$4.55	-0.12%	$6,098.46	$6,163.90	$65.45	1.07%
108,000	250.0	$2,288.14	$2,358.14	$70.00	3.06%	$4,739.30	$4,733.84	-$5.46	-0.12%	$7,027.43	$7,091.97	$64.54	0.92%
144,000	250.0	$2,566.33	$2,636.33	$70.00	2.73%	$6,319.06	$6,311.78	-$7.28	-0.12%	$8,885.39	$8,948.11	$62.72	0.71%
144,000	500.0	$3,209.58	$3,331.13	$121.55	3.79%	$6,319.06	$6,311.78	-$7.28	-0.12%	$9,528.65	$9,642.91	$114.26	1.20%
180,000	500.0	$3,487.77	$3,609.32	$121.55	3.48%	$7,898.83	$7,889.73	-$9.11	-0.12%	$11,386.60	$11,499.04	$112.44	0.99%
216,000	500.0	$3,765.96	$3,887.51	$121.55	3.23%	$9,478.60	$9,467.67	-$10.93	-0.12%	$13,244.56	$13,355.18	$110.62	0.84%
288,000	500.0	$4,322.34	$4,443.89	$121.55	2.81%	$12,638.13	$12,623.56	-$14.57	-0.12%	$16,960.47	$17,067.45	$106.98	0.63%
218,880	760.0	$4,457.20	$4,632.36	$175.15	3.93%	$9,604.98	$9,593.91	-$11.07	-0.12%	$14,062.18	$14,226.26	$164.08	1.17%
273,600	760.0	$4,880.05	$5,055.21	$175.15	3.59%	$12,006.22	$11,992.38	-$13.84	-0.12%	$16,886.28	$17,047.59	$161.31	0.96%
328,320	760.0	$5,302.90	$5,478.06	$175.15	3.30%	$14,407.47	$14,390.86	-$16.61	-0.12%	$19,710.37	$19,868.92	$158.55	0.80%
437,760	760.0	$6,148.60	$6,323.76	$175.15	2.85%	$19,209.95	$19,187.81	-$22.14	-0.12%	$25,358.56	$25,511.57	$153.01	0.60%
432,000	1,500.0	$8,008.13	$8,335.86	$327.73	4.09%	$18,957.19	$18,935.34	-$21.85	-0.12%	$26,965.32	$27,271.20	$305.88	1.13%
540,000	1,500.0	$8,842.70	$9,170.43	$327.73	3.71%	$23,696.49	$23,669.18	-$27.32	-0.12%	$32,539.19	$32,839.61	$300.42	0.92%
648,000	1,500.0	$9,677.27	$10,005.00	$327.73	3.39%	$28,435.79	$28,403.01	-$32.78	-0.12%	$38,113.06	$38,408.01	$294.95	0.77%
864,000	1,500.0	$11,346.41	$11,674.14	$327.73	2.89%	$37,914.38	$37,870.68	-$43.70	-0.12%	$49,260.80	$49,544.82	$284.03	0.58%
576,000	2,000.0	$10,407.40	$10,838.23	$430.82	4.14%	$25,276.26	$25,247.12	-$29.14	-0.12%	$35,683.66	$36,085.35	$401.69	1.13%
720,000	2,000.0	$11,520.16	$11,950.99	$430.82	3.74%	$31,595.32	$31,558.90	-$36.42	-0.12%	$43,115.48	$43,509.89	$394.40	0.91%
864,000	2,000.0	$12,632.92	$13,063.75	$430.82	3.41%	$37,914.38	$37,870.68	-$43.70	-0.12%	$50,547.31	$50,934.43	$387.12	0.77%
1,152,000	2,000.0	$14,858.45	$15,289.27	$430.82	2.90%	$50,552.51	$50,494.24	-$58.27	-0.12%	$65,410.96	$65,783.51	$372.55	0.57%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$786.00	$803.90
Delivery Charge	$/kW	$2.99	$3.40
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.67000	-$0.88000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03717	$0.03717
Merchant Function Charge	$/kWh	$0.00052	$0.00047
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3-LARGE GENERAL SERVICE (TRANSMISSION)
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

		Delivery				Commodity				Total			
kWh Usage	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
28,800	100.0	$1,290.16	$1,329.24	$39.07	3.03%	$1,210.07	$1,208.49	-$1.57	-0.13%	$2,500.23	$2,537.73	$37.50	1.50%
36,000	100.0	$1,345.80	$1,384.87	$39.07	2.90%	$1,512.58	$1,510.62	-$1.96	-0.13%	$2,858.38	$2,895.49	$37.11	1.30%
43,200	100.0	$1,401.44	$1,440.51	$39.07	2.79%	$1,815.10	$1,812.74	-$2.36	-0.13%	$3,216.54	$3,253.25	$36.71	1.14%
57,600	100.0	$1,512.72	$1,551.79	$39.07	2.58%	$2,420.13	$2,416.99	-$3.14	-0.13%	$3,932.85	$3,968.78	$35.93	0.91%
57,600	200.0	$1,770.02	$1,829.71	$59.69	3.37%	$2,420.13	$2,416.99	-$3.14	-0.13%	$4,190.15	$4,246.70	$56.55	1.35%
72,000	200.0	$1,881.29	$1,940.99	$59.69	3.17%	$3,025.16	$3,021.24	-$3.93	-0.13%	$4,906.46	$4,962.22	$55.76	1.14%
86,400	200.0	$1,992.57	$2,052.26	$59.69	3.00%	$3,630.20	$3,625.48	-$4.71	-0.13%	$5,622.77	$5,677.74	$54.98	0.98%
115,200	200.0	$2,215.12	$2,274.81	$59.69	2.69%	$4,840.26	$4,833.98	-$6.29	-0.13%	$7,055.39	$7,108.79	$53.40	0.76%
72,000	250.0	$2,009.95	$2,079.95	$70.00	3.48%	$3,025.16	$3,021.24	-$3.93	-0.13%	$5,035.11	$5,101.18	$66.07	1.31%
90,000	250.0	$2,149.04	$2,219.04	$70.00	3.26%	$3,781.46	$3,776.54	-$4.91	-0.13%	$5,930.50	$5,995.59	$65.09	1.10%
108,000	250.0	$2,288.14	$2,358.14	$70.00	3.06%	$4,537.75	$4,531.85	-$5.89	-0.13%	$6,825.88	$6,889.99	$64.11	0.94%
144,000	250.0	$2,566.33	$2,636.33	$70.00	2.73%	$6,050.33	$6,042.47	-$7.86	-0.13%	$8,616.66	$8,678.80	$62.14	0.72%
144,000	500.0	$3,209.58	$3,331.13	$121.55	3.79%	$6,050.33	$6,042.47	-$7.86	-0.13%	$9,259.91	$9,373.60	$113.69	1.23%
180,000	500.0	$3,487.77	$3,609.32	$121.55	3.48%	$7,562.91	$7,553.09	-$9.82	-0.13%	$11,050.68	$11,162.41	$111.72	1.01%
216,000	500.0	$3,765.96	$3,887.51	$121.55	3.23%	$9,075.49	$9,063.71	-$11.79	-0.13%	$12,841.46	$12,951.22	$109.76	0.85%
288,000	500.0	$4,322.34	$4,443.89	$121.55	2.81%	$12,100.66	$12,084.94	-$15.72	-0.13%	$16,423.00	$16,528.83	$105.83	0.64%
273,600	950.0	$5,368.93	$5,583.26	$214.33	3.99%	$11,495.63	$11,480.70	-$14.93	-0.13%	$16,864.55	$17,063.96	$199.40	1.18%
342,000	950.0	$5,897.49	$6,111.82	$214.33	3.63%	$14,369.53	$14,350.87	-$18.66	-0.13%	$20,267.02	$20,462.69	$195.67	0.97%
410,400	950.0	$6,426.05	$6,640.38	$214.33	3.34%	$17,243.44	$17,221.05	-$22.39	-0.13%	$23,669.49	$23,861.43	$191.94	0.81%
547,200	950.0	$7,483.17	$7,697.50	$214.33	2.86%	$22,991.25	$22,961.39	-$29.86	-0.13%	$30,474.43	$30,658.90	$184.47	0.61%
432,000	1,500.0	$8,008.13	$8,335.86	$327.73	4.09%	$18,150.99	$18,127.42	-$23.57	-0.13%	$26,159.12	$26,463.28	$304.16	1.16%
540,000	1,500.0	$8,842.70	$9,170.43	$327.73	3.71%	$22,688.74	$22,659.27	-$29.47	-0.13%	$31,531.44	$31,829.70	$298.27	0.95%
648,000	1,500.0	$9,677.27	$10,005.00	$327.73	3.39%	$27,226.48	$27,191.12	-$35.36	-0.13%	$36,903.75	$37,196.13	$292.37	0.79%
864,000	1,500.0	$11,346.41	$11,674.14	$327.73	2.89%	$36,301.98	$36,254.83	-$47.15	-0.13%	$47,648.39	$47,928.98	$280.59	0.59%
576,000	2,000.0	$10,407.40	$10,838.23	$430.82	4.14%	$24,201.32	$24,169.89	-$31.43	-0.13%	$34,608.72	$35,008.11	$399.39	1.15%
720,000	2,000.0	$11,520.16	$11,950.99	$430.82	3.74%	$30,251.65	$30,212.36	-$39.29	-0.13%	$41,771.81	$42,163.35	$391.54	0.94%
864,000	2,000.0	$12,632.92	$13,063.75	$430.82	3.41%	$36,301.98	$36,254.83	-$47.15	-0.13%	$48,934.90	$49,318.58	$383.68	0.78%
1,152,000	2,000.0	$14,858.45	$15,289.27	$430.82	2.90%	$48,402.64	$48,339.78	-$62.86	-0.13%	$63,261.08	$63,629.05	$367.96	0.58%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$786.00	$803.90
Delivery Charge	$/kW	$2.99	$3.40
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.67000	-$0.88000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge (includes capacity)	$/kWh	$0.03534	$0.03534
Merchant Function Charge	$/kWh	$0.00050	$0.00045
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3A-LARGE GENERAL SERVICE (SECONDARY)
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
547,200	60%	1,900.0	$26,082.01	$27,531.50	$1,449.48	5.56%	$25,281.66	$25,255.07	-$26.59	-0.11%	$51,363.67	$52,786.57	$1,422.90	2.77%
547,200	50%	1,900.0	$26,082.01	$27,531.50	$1,449.48	5.56%	$24,612.41	$24,585.83	-$26.59	-0.11%	$50,694.43	$52,117.33	$1,422.90	2.81%
547,200	40%	1,900.0	$26,082.01	$27,531.50	$1,449.48	5.56%	$23,943.17	$23,916.58	-$26.59	-0.11%	$50,025.18	$51,448.08	$1,422.90	2.84%
820,800	60%	1,900.0	$28,196.26	$29,645.75	$1,449.48	5.14%	$37,922.48	$37,882.60	-$39.88	-0.11%	$66,118.74	$67,528.35	$1,409.61	2.13%
820,800	50%	1,900.0	$28,196.26	$29,645.75	$1,449.48	5.14%	$36,918.62	$36,878.74	-$39.88	-0.11%	$65,114.88	$66,524.48	$1,409.61	2.16%
820,800	40%	1,900.0	$28,196.26	$29,645.75	$1,449.48	5.14%	$35,914.75	$35,874.87	-$39.88	-0.11%	$64,111.01	$65,520.62	$1,409.61	2.20%
1,094,400	60%	1,900.0	$30,310.51	$31,759.99	$1,449.48	4.78%	$50,563.31	$50,510.14	-$53.17	-0.11%	$80,873.82	$82,270.13	$1,396.31	1.73%
1,094,400	50%	1,900.0	$30,310.51	$31,759.99	$1,449.48	4.78%	$49,224.82	$49,171.65	-$53.17	-0.11%	$79,535.33	$80,931.64	$1,396.31	1.76%
1,094,400	40%	1,900.0	$30,310.51	$31,759.99	$1,449.48	4.78%	$47,886.34	$47,833.17	-$53.17	-0.11%	$78,196.84	$79,593.16	$1,396.31	1.79%
633,600	60%	2,200.0	$29,874.67	$31,546.84	$1,672.16	5.60%	$29,273.50	$29,242.71	-$30.78	-0.11%	$59,148.17	$60,789.55	$1,641.38	2.78%
633,600	50%	2,200.0	$29,874.67	$31,546.84	$1,672.16	5.60%	$28,498.58	$28,467.80	-$30.78	-0.11%	$58,373.25	$60,014.63	$1,641.38	2.81%
633,600	40%	2,200.0	$29,874.67	$31,546.84	$1,672.16	5.60%	$27,723.67	$27,692.89	-$30.78	-0.11%	$57,598.34	$59,239.72	$1,641.38	2.85%
950,400	60%	2,200.0	$32,322.75	$33,994.91	$1,672.16	5.17%	$43,910.24	$43,864.07	-$46.18	-0.11%	$76,232.99	$77,858.98	$1,625.99	2.13%
950,400	50%	2,200.0	$32,322.75	$33,994.91	$1,672.16	5.17%	$42,747.87	$42,701.70	-$46.18	-0.11%	$75,070.62	$76,696.61	$1,625.99	2.17%
950,400	40%	2,200.0	$32,322.75	$33,994.91	$1,672.16	5.17%	$41,585.50	$41,539.33	-$46.18	-0.11%	$73,908.25	$75,534.24	$1,625.99	2.20%
1,267,200	60%	2,200.0	$34,770.82	$36,442.99	$1,672.16	4.81%	$58,546.99	$58,485.42	-$61.57	-0.11%	$93,317.81	$94,928.41	$1,610.60	1.73%
1,267,200	50%	2,200.0	$34,770.82	$36,442.99	$1,672.16	4.81%	$56,997.16	$56,935.60	-$61.57	-0.11%	$91,767.99	$93,378.58	$1,610.60	1.76%
1,267,200	40%	2,200.0	$34,770.82	$36,442.99	$1,672.16	4.81%	$55,447.34	$55,385.77	-$61.57	-0.11%	$90,218.16	$91,828.76	$1,610.60	1.79%
1,008,000	60%	3,500.0	$46,309.52	$48,946.63	$2,637.11	5.69%	$46,571.47	$46,522.50	-$48.97	-0.11%	$92,880.99	$95,469.13	$2,588.14	2.79%
1,008,000	50%	3,500.0	$46,309.52	$48,946.63	$2,637.11	5.69%	$45,338.65	$45,289.68	-$48.97	-0.11%	$91,648.17	$94,236.31	$2,588.14	2.82%
1,008,000	40%	3,500.0	$46,309.52	$48,946.63	$2,637.11	5.69%	$44,105.84	$44,056.86	-$48.97	-0.11%	$90,415.35	$93,003.49	$2,588.14	2.86%
1,512,000	60%	3,500.0	$50,204.18	$52,841.29	$2,637.11	5.25%	$69,857.20	$69,783.74	-$73.46	-0.11%	$120,061.39	$122,625.04	$2,563.65	2.14%
1,512,000	50%	3,500.0	$50,204.18	$52,841.29	$2,637.11	5.25%	$68,007.98	$67,934.52	-$73.46	-0.11%	$118,212.16	$120,775.81	$2,563.65	2.17%
1,512,000	40%	3,500.0	$50,204.18	$52,841.29	$2,637.11	5.25%	$66,158.76	$66,085.29	-$73.46	-0.11%	$116,362.94	$118,926.59	$2,563.65	2.20%
2,016,000	60%	3,500.0	$54,098.85	$56,735.96	$2,637.11	4.87%	$93,142.94	$93,044.99	-$97.95	-0.11%	$147,241.79	$149,780.95	$2,539.17	1.72%
2,016,000	50%	3,500.0	$54,098.85	$56,735.96	$2,637.11	4.87%	$90,677.31	$90,579.36	-$97.95	-0.11%	$144,776.15	$147,315.32	$2,539.17	1.75%
2,016,000	40%	3,500.0	$54,098.85	$56,735.96	$2,637.11	4.87%	$88,211.67	$88,113.73	-$97.95	-0.11%	$142,310.52	$144,849.68	$2,539.17	1.78%
1,152,000	60%	4,000.0	$52,630.61	$55,638.86	$3,008.25	5.72%	$53,224.54	$53,168.57	-$55.97	-0.11%	$105,855.15	$108,807.43	$2,952.28	2.79%
1,152,000	50%	4,000.0	$52,630.61	$55,638.86	$3,008.25	5.72%	$51,815.60	$51,759.63	-$55.97	-0.11%	$104,446.22	$107,398.49	$2,952.28	2.83%
1,152,000	40%	4,000.0	$52,630.61	$55,638.86	$3,008.25	5.72%	$50,406.67	$50,350.70	-$55.97	-0.11%	$103,037.28	$105,989.56	$2,952.28	2.87%
1,728,000	60%	4,000.0	$57,081.66	$60,089.90	$3,008.25	5.27%	$79,836.81	$79,752.85	-$83.96	-0.11%	$136,918.46	$139,842.75	$2,924.29	2.14%
1,728,000	50%	4,000.0	$57,081.66	$60,089.90	$3,008.25	5.27%	$77,723.41	$77,639.45	-$83.96	-0.11%	$134,805.06	$137,729.35	$2,924.29	2.17%
1,728,000	40%	4,000.0	$57,081.66	$60,089.90	$3,008.25	5.27%	$75,610.01	$75,526.05	-$83.96	-0.11%	$132,691.66	$135,615.95	$2,924.29	2.20%
2,304,000	60%	4,000.0	$61,532.70	$64,540.95	$3,008.25	4.89%	$106,449.07	$106,337.13	-$111.94	-0.11%	$167,981.78	$170,878.08	$2,896.31	1.72%
2,304,000	50%	4,000.0	$61,532.70	$64,540.95	$3,008.25	4.89%	$103,631.21	$103,519.27	-$111.94	-0.11%	$165,163.91	$168,060.22	$2,896.31	1.75%
2,304,000	40%	4,000.0	$61,532.70	$64,540.95	$3,008.25	4.89%	$100,813.34	$100,701.40	-$111.94	-0.11%	$162,346.04	$165,242.35	$2,896.31	1.78%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$2,000.00	$2,038.00
Delivery Charge	$/kW	$10.77	$11.72
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.15	$0.15
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.85000	-$1.08000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.04431	$0.04431
Energy Charge Off-peak (includes capacity)	$/kWh	$0.03220	$0.03220
Merchant Function Charge	$/kWh	$0.00052	$0.00047
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3A-LARGE GENERAL SERVICE (PRIMARY)
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
777,600	60%	2,700.0	$36,195.77	$38,239.07	$2,043.30	5.65%	$34,860.46	$34,820.61	-$39.84	-0.11%	$71,056.22	$73,059.68	$2,003.46	2.82%
777,600	50%	2,700.0	$36,195.77	$38,239.07	$2,043.30	5.65%	$33,996.50	$33,956.66	-$39.84	-0.12%	$70,192.27	$72,195.72	$2,003.46	2.85%
777,600	40%	2,700.0	$36,195.77	$38,239.07	$2,043.30	5.65%	$33,132.54	$33,092.70	-$39.84	-0.12%	$69,328.31	$71,331.77	$2,003.46	2.89%
1,166,400	60%	2,700.0	$39,200.22	$41,243.52	$2,043.30	5.21%	$52,290.68	$52,230.92	-$59.76	-0.11%	$91,490.90	$93,474.44	$1,983.54	2.17%
1,166,400	50%	2,700.0	$39,200.22	$41,243.52	$2,043.30	5.21%	$50,994.75	$50,934.99	-$59.76	-0.12%	$90,194.97	$92,178.51	$1,983.54	2.20%
1,166,400	40%	2,700.0	$39,200.22	$41,243.52	$2,043.30	5.21%	$49,698.81	$49,639.05	-$59.76	-0.12%	$88,899.04	$90,882.57	$1,983.54	2.23%
1,555,200	60%	2,700.0	$42,204.68	$44,247.98	$2,043.30	4.84%	$69,720.91	$69,641.23	-$79.68	-0.11%	$111,925.59	$113,889.20	$1,963.62	1.75%
1,555,200	50%	2,700.0	$42,204.68	$44,247.98	$2,043.30	4.84%	$67,993.00	$67,913.32	-$79.68	-0.12%	$110,197.67	$112,161.29	$1,963.62	1.78%
1,555,200	40%	2,700.0	$42,204.68	$44,247.98	$2,043.30	4.84%	$66,265.09	$66,185.40	-$79.68	-0.12%	$108,469.76	$110,433.38	$1,963.62	1.81%
1,008,000	60%	3,500.0	$46,309.52	$48,946.63	$2,637.11	5.69%	$45,189.48	$45,137.83	-$51.65	-0.11%	$91,499.00	$94,084.46	$2,585.47	2.83%
1,008,000	50%	3,500.0	$46,309.52	$48,946.63	$2,637.11	5.69%	$44,069.54	$44,017.89	-$51.65	-0.12%	$90,379.05	$92,964.52	$2,585.47	2.86%
1,008,000	40%	3,500.0	$46,309.52	$48,946.63	$2,637.11	5.69%	$42,949.59	$42,897.95	-$51.65	-0.12%	$89,259.11	$91,844.58	$2,585.47	2.90%
1,512,000	60%	3,500.0	$50,204.18	$52,841.29	$2,637.11	5.25%	$67,784.22	$67,706.75	-$77.47	-0.11%	$117,988.40	$120,548.04	$2,559.64	2.17%
1,512,000	50%	3,500.0	$50,204.18	$52,841.29	$2,637.11	5.25%	$66,104.30	$66,026.83	-$77.47	-0.12%	$116,308.49	$118,868.13	$2,559.64	2.20%
1,512,000	40%	3,500.0	$50,204.18	$52,841.29	$2,637.11	5.25%	$64,424.39	$64,346.92	-$77.47	-0.12%	$114,628.57	$117,188.21	$2,559.64	2.23%
2,016,000	60%	3,500.0	$54,098.85	$56,735.96	$2,637.11	4.87%	$90,378.96	$90,275.67	-$103.29	-0.11%	$144,477.80	$147,011.62	$2,533.82	1.75%
2,016,000	50%	3,500.0	$54,098.85	$56,735.96	$2,637.11	4.87%	$88,139.07	$88,035.78	-$103.29	-0.12%	$142,237.92	$144,771.74	$2,533.82	1.78%
2,016,000	40%	3,500.0	$54,098.85	$56,735.96	$2,637.11	4.87%	$85,899.18	$85,795.89	-$103.29	-0.12%	$139,998.03	$142,531.85	$2,533.82	1.81%
1,152,000	60%	4,000.0	$52,630.61	$55,638.86	$3,008.25	5.72%	$51,645.12	$51,586.09	-$59.02	-0.11%	$104,275.73	$107,224.95	$2,949.22	2.83%
1,152,000	50%	4,000.0	$52,630.61	$55,638.86	$3,008.25	5.72%	$50,365.18	$50,306.16	-$59.02	-0.12%	$102,995.80	$105,945.02	$2,949.22	2.86%
1,152,000	40%	4,000.0	$52,630.61	$55,638.86	$3,008.25	5.72%	$49,085.25	$49,026.22	-$59.02	-0.12%	$101,715.86	$104,665.08	$2,949.22	2.90%
1,728,000	60%	4,000.0	$57,081.66	$60,089.90	$3,008.25	5.27%	$77,467.68	$77,379.14	-$88.54	-0.11%	$134,549.34	$137,469.05	$2,919.71	2.17%
1,728,000	50%	4,000.0	$57,081.66	$60,089.90	$3,008.25	5.27%	$75,547.78	$75,459.24	-$88.54	-0.12%	$132,629.43	$135,549.14	$2,919.71	2.20%
1,728,000	40%	4,000.0	$57,081.66	$60,089.90	$3,008.25	5.27%	$73,627.87	$73,539.34	-$88.54	-0.12%	$130,709.53	$133,629.24	$2,919.71	2.23%
2,304,000	60%	4,000.0	$61,532.70	$64,540.95	$3,008.25	4.89%	$103,290.24	$103,172.19	-$118.05	-0.11%	$164,822.94	$167,713.14	$2,890.20	1.75%
2,304,000	50%	4,000.0	$61,532.70	$64,540.95	$3,008.25	4.89%	$100,730.37	$100,612.32	-$118.05	-0.12%	$162,263.07	$165,153.27	$2,890.20	1.78%
2,304,000	40%	4,000.0	$61,532.70	$64,540.95	$3,008.25	4.89%	$98,170.50	$98,052.45	-$118.05	-0.12%	$159,703.20	$162,593.40	$2,890.20	1.81%
3,888,000	60%	13,500.0	$172,731.41	$182,791.20	$10,059.79	5.82%	$174,302.28	$174,103.07	-$199.21	-0.11%	$347,033.68	$356,894.27	$9,860.59	2.84%
3,888,000	50%	13,500.0	$172,731.41	$182,791.20	$10,059.79	5.82%	$169,982.50	$169,783.29	-$199.21	-0.12%	$342,713.90	$352,574.49	$9,860.59	2.88%
3,888,000	40%	13,500.0	$172,731.41	$182,791.20	$10,059.79	5.82%	$165,662.71	$165,463.51	-$199.21	-0.12%	$338,394.12	$348,254.71	$9,860.59	2.91%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$2,000.00	$2,038.00
Delivery Charge	$/kW	$10.77	$11.72
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.03	$0.03
Earnings Adjustment Mechanism	$/kW	$0.15	$0.15
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.85000	-$1.08000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.04251	$0.04251
Energy Charge Off-peak (includes capacity)	$/kWh	$0.03151	$0.03151
Merchant Function Charge	$/kWh	$0.00051	$0.00046
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3A-LARGE GENERAL SERVICE (SUBTRANSMISSION)
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$15,921.11	$16,590.18	$669.07	4.20%	$31,990.19	$31,952.67	-$37.51	-0.12%	$47,911.30	$48,542.86	$631.56	1.32%
720,000	50%	2,500.0	$15,921.11	$16,590.18	$669.07	4.20%	$31,187.47	$31,149.96	-$37.51	-0.12%	$47,108.58	$47,740.14	$631.56	1.34%
720,000	40%	2,500.0	$15,921.11	$16,590.18	$669.07	4.20%	$30,384.76	$30,347.24	-$37.51	-0.12%	$46,305.86	$46,937.42	$631.56	1.36%
1,080,000	60%	2,500.0	$18,703.01	$19,372.08	$669.07	3.58%	$47,985.28	$47,929.01	-$56.27	-0.12%	$66,688.29	$67,301.10	$612.80	0.92%
1,080,000	50%	2,500.0	$18,703.01	$19,372.08	$669.07	3.58%	$46,781.21	$46,724.94	-$56.27	-0.12%	$65,484.22	$66,097.02	$612.80	0.94%
1,080,000	40%	2,500.0	$18,703.01	$19,372.08	$669.07	3.58%	$45,577.13	$45,520.87	-$56.27	-0.12%	$64,280.15	$64,892.95	$612.80	0.95%
1,440,000	60%	2,500.0	$21,484.91	$22,153.99	$669.07	3.11%	$63,980.37	$63,905.35	-$75.02	-0.12%	$85,465.29	$86,059.34	$594.05	0.70%
1,440,000	50%	2,500.0	$21,484.91	$22,153.99	$669.07	3.11%	$62,374.94	$62,299.92	-$75.02	-0.12%	$83,859.86	$84,453.91	$594.05	0.71%
1,440,000	40%	2,500.0	$21,484.91	$22,153.99	$669.07	3.11%	$60,769.51	$60,694.49	-$75.02	-0.12%	$82,254.43	$82,848.48	$594.05	0.72%
1,094,400	60%	3,800.0	$22,896.33	$23,887.05	$990.72	4.33%	$48,625.08	$48,568.07	-$57.02	-0.12%	$71,521.42	$72,455.12	$933.70	1.31%
1,094,400	50%	3,800.0	$22,896.33	$23,887.05	$990.72	4.33%	$47,404.96	$47,347.94	-$57.02	-0.12%	$70,301.29	$71,234.99	$933.70	1.33%
1,094,400	40%	3,800.0	$22,896.33	$23,887.05	$990.72	4.33%	$46,184.83	$46,127.81	-$57.02	-0.12%	$69,081.16	$70,014.87	$933.70	1.35%
1,641,600	60%	3,800.0	$27,124.82	$28,115.55	$990.72	3.65%	$72,937.63	$72,852.10	-$85.53	-0.12%	$100,062.45	$100,967.64	$905.19	0.90%
1,641,600	50%	3,800.0	$27,124.82	$28,115.55	$990.72	3.65%	$71,107.44	$71,021.91	-$85.53	-0.12%	$98,232.26	$99,137.45	$905.19	0.92%
1,641,600	40%	3,800.0	$27,124.82	$28,115.55	$990.72	3.65%	$69,277.25	$69,191.72	-$85.53	-0.12%	$96,402.07	$97,307.26	$905.19	0.94%
2,188,800	60%	3,800.0	$31,353.32	$32,344.04	$990.72	3.16%	$97,250.17	$97,136.13	-$114.04	-0.12%	$128,603.49	$129,480.17	$876.68	0.68%
2,188,800	50%	3,800.0	$31,353.32	$32,344.04	$990.72	3.16%	$94,809.91	$94,695.88	-$114.04	-0.12%	$126,163.23	$127,039.92	$876.68	0.69%
2,188,800	40%	3,800.0	$31,353.32	$32,344.04	$990.72	3.16%	$92,369.66	$92,255.62	-$114.04	-0.12%	$123,722.98	$124,599.66	$876.68	0.71%
1,152,000	60%	4,000.0	$23,969.44	$25,009.65	$1,040.21	4.34%	$51,184.30	$51,124.28	-$60.02	-0.12%	$75,153.74	$76,133.93	$980.19	1.30%
1,152,000	50%	4,000.0	$23,969.44	$25,009.65	$1,040.21	4.34%	$49,899.95	$49,839.94	-$60.02	-0.12%	$73,869.40	$74,849.58	$980.19	1.33%
1,152,000	40%	4,000.0	$23,969.44	$25,009.65	$1,040.21	4.34%	$48,615.61	$48,555.59	-$60.02	-0.12%	$72,585.05	$73,565.24	$980.19	1.35%
1,728,000	60%	4,000.0	$28,420.49	$29,460.69	$1,040.21	3.66%	$76,776.45	$76,686.42	-$90.03	-0.12%	$105,196.94	$106,147.11	$950.18	0.90%
1,728,000	50%	4,000.0	$28,420.49	$29,460.69	$1,040.21	3.66%	$74,849.93	$74,759.90	-$90.03	-0.12%	$103,270.42	$104,220.60	$950.18	0.92%
1,728,000	40%	4,000.0	$28,420.49	$29,460.69	$1,040.21	3.66%	$72,923.42	$72,833.39	-$90.03	-0.12%	$101,343.90	$102,294.08	$950.18	0.94%
2,304,000	60%	4,000.0	$32,871.53	$33,911.74	$1,040.21	3.16%	$102,368.60	$102,248.56	-$120.04	-0.12%	$135,240.13	$136,160.30	$920.17	0.68%
2,304,000	50%	4,000.0	$32,871.53	$33,911.74	$1,040.21	3.16%	$99,799.91	$99,679.87	-$120.04	-0.12%	$132,671.44	$133,591.61	$920.17	0.69%
2,304,000	40%	4,000.0	$32,871.53	$33,911.74	$1,040.21	3.16%	$97,231.22	$97,111.18	-$120.04	-0.12%	$130,102.75	$131,022.92	$920.17	0.71%
3,888,000	60%	13,500.0	$74,942.23	$78,332.95	$3,390.72	4.52%	$172,747.01	$172,544.44	-$202.57	-0.12%	$247,689.24	$250,877.40	$3,188.16	1.29%
3,888,000	50%	13,500.0	$74,942.23	$78,332.95	$3,390.72	4.52%	$168,412.35	$168,209.78	-$202.57	-0.12%	$243,354.58	$246,542.74	$3,188.16	1.31%
3,888,000	40%	13,500.0	$74,942.23	$78,332.95	$3,390.72	4.52%	$164,077.69	$163,875.12	-$202.57	-0.12%	$239,019.92	$242,208.07	$3,188.16	1.33%
5,832,000	60%	13,500.0	$89,964.51	$93,355.23	$3,390.72	3.77%	$259,120.52	$258,816.67	-$303.85	-0.12%	$349,085.02	$352,171.90	$3,086.87	0.88%
5,832,000	50%	13,500.0	$89,964.51	$93,355.23	$3,390.72	3.77%	$252,618.52	$252,314.67	-$303.85	-0.12%	$342,583.03	$345,669.90	$3,086.87	0.90%
5,832,000	40%	13,500.0	$89,964.51	$93,355.23	$3,390.72	3.77%	$246,116.53	$245,812.68	-$303.85	-0.12%	$336,081.04	$339,167.91	$3,086.87	0.92%
7,776,000	60%	13,500.0	$104,986.78	$108,377.51	$3,390.72	3.23%	$345,494.02	$345,088.89	-$405.13	-0.12%	$450,480.81	$453,466.39	$2,985.59	0.66%
7,776,000	50%	13,500.0	$104,986.78	$108,377.51	$3,390.72	3.23%	$336,824.70	$336,419.56	-$405.13	-0.12%	$441,811.48	$444,797.07	$2,985.59	0.68%
7,776,000	40%	13,500.0	$104,986.78	$108,377.51	$3,390.72	3.23%	$328,155.37	$327,750.24	-$405.13	-0.12%	$433,142.16	$436,127.74	$2,985.59	0.69%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$2,432.00	$2,481.00
Delivery Charge	$/kW	$3.76	$4.19
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.14	$0.14
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.89000	-$1.08000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.04214	$0.04214
Energy Charge Off-peak (includes capacity)	$/kWh	$0.03110	$0.03110
Merchant Function Charge	$/kWh	$0.00051	$0.00046
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
TYPICAL BILL IMPACTS
SC4/SC3A-LARGE GENERAL SERVICE (TRANSMISSION)
East Region (Load Zone 4F)
Rate Year 1: July 1, 2020 - June 30, 2021

			Delivery				Commodity				Total			
kWh Usage	On-Peak Pct	kW	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change	Current	Proposed	Difference	Change
720,000	60%	2,500.0	$17,841.73	$19,376.78	$1,535.05	8.60%	$30,958.65	$30,919.12	-$39.52	-0.13%	$48,800.37	$50,295.90	$1,495.53	3.06%
720,000	50%	2,500.0	$17,841.73	$19,376.78	$1,535.05	8.60%	$30,233.09	$30,193.57	-$39.52	-0.13%	$48,074.82	$49,570.35	$1,495.53	3.11%
720,000	40%	2,500.0	$17,841.73	$19,376.78	$1,535.05	8.60%	$29,507.54	$29,468.02	-$39.52	-0.13%	$47,349.27	$48,844.79	$1,495.53	3.16%
1,080,000	60%	2,500.0	$20,623.63	$22,158.68	$1,535.05	7.44%	$46,437.97	$46,378.68	-$59.29	-0.13%	$67,061.60	$68,537.36	$1,475.76	2.20%
1,080,000	50%	2,500.0	$20,623.63	$22,158.68	$1,535.05	7.44%	$45,349.64	$45,290.35	-$59.29	-0.13%	$65,973.27	$67,449.03	$1,475.76	2.24%
1,080,000	40%	2,500.0	$20,623.63	$22,158.68	$1,535.05	7.44%	$44,261.31	$44,202.02	-$59.29	-0.13%	$64,884.94	$66,360.70	$1,475.76	2.27%
1,440,000	60%	2,500.0	$23,405.53	$24,940.58	$1,535.05	6.56%	$61,917.29	$61,838.24	-$79.05	-0.13%	$85,322.82	$86,778.83	$1,456.00	1.71%
1,440,000	50%	2,500.0	$23,405.53	$24,940.58	$1,535.05	6.56%	$60,466.18	$60,387.14	-$79.05	-0.13%	$83,871.72	$85,327.72	$1,456.00	1.74%
1,440,000	40%	2,500.0	$23,405.53	$24,940.58	$1,535.05	6.56%	$59,015.08	$58,936.03	-$79.05	-0.13%	$82,420.61	$83,876.61	$1,456.00	1.77%
1,152,000	60%	4,000.0	$25,441.61	$27,827.18	$2,385.57	9.38%	$49,533.83	$49,470.59	-$63.24	-0.13%	$74,975.44	$77,297.77	$2,322.33	3.10%
1,152,000	50%	4,000.0	$25,441.61	$27,827.18	$2,385.57	9.38%	$48,372.95	$48,309.71	-$63.24	-0.13%	$73,814.56	$76,136.88	$2,322.33	3.15%
1,152,000	40%	4,000.0	$25,441.61	$27,827.18	$2,385.57	9.38%	$47,212.06	$47,148.82	-$63.24	-0.13%	$72,653.67	$74,976.00	$2,322.33	3.20%
1,728,000	60%	4,000.0	$29,892.65	$32,278.22	$2,385.57	7.98%	$74,300.75	$74,205.89	-$94.86	-0.13%	$104,193.40	$106,484.11	$2,290.71	2.20%
1,728,000	50%	4,000.0	$29,892.65	$32,278.22	$2,385.57	7.98%	$72,559.42	$72,464.56	-$94.86	-0.13%	$102,452.07	$104,742.78	$2,290.71	2.24%
1,728,000	40%	4,000.0	$29,892.65	$32,278.22	$2,385.57	7.98%	$70,818.09	$70,723.24	-$94.86	-0.13%	$100,710.75	$103,001.46	$2,290.71	2.27%
2,304,000	60%	4,000.0	$34,343.70	$36,729.26	$2,385.57	6.95%	$99,067.67	$98,941.19	-$126.48	-0.13%	$133,411.36	$135,670.45	$2,259.09	1.69%
2,304,000	50%	4,000.0	$34,343.70	$36,729.26	$2,385.57	6.95%	$96,745.90	$96,619.42	-$126.48	-0.13%	$131,089.59	$133,348.68	$2,259.09	1.72%
2,304,000	40%	4,000.0	$34,343.70	$36,729.26	$2,385.57	6.95%	$94,424.13	$94,297.65	-$126.48	-0.13%	$128,767.82	$131,026.91	$2,259.09	1.75%
2,620,800	60%	9,100.0	$51,281.21	$56,558.53	$5,277.32	10.29%	$112,689.47	$112,545.60	-$143.87	-0.13%	$163,970.67	$169,104.13	$5,133.45	3.13%
2,620,800	50%	9,100.0	$51,281.21	$56,558.53	$5,277.32	10.29%	$110,048.46	$109,904.59	-$143.87	-0.13%	$161,329.66	$166,463.11	$5,133.45	3.18%
2,620,800	40%	9,100.0	$51,281.21	$56,558.53	$5,277.32	10.29%	$107,407.44	$107,263.57	-$143.87	-0.13%	$158,688.65	$163,822.10	$5,133.45	3.23%
3,931,200	60%	9,100.0	$61,407.33	$66,684.65	$5,277.32	8.59%	$169,034.20	$168,818.40	-$215.80	-0.13%	$230,441.54	$235,503.05	$5,061.52	2.20%
3,931,200	50%	9,100.0	$61,407.33	$66,684.65	$5,277.32	8.59%	$165,072.68	$164,856.88	-$215.80	-0.13%	$226,480.02	$231,541.53	$5,061.52	2.23%
3,931,200	40%	9,100.0	$61,407.33	$66,684.65	$5,277.32	8.59%	$161,111.17	$160,895.36	-$215.80	-0.13%	$222,518.50	$227,580.01	$5,061.52	2.27%
5,241,600	60%	9,100.0	$71,533.46	$76,810.78	$5,277.32	7.38%	$225,378.94	$225,091.20	-$287.74	-0.13%	$296,912.40	$301,901.98	$4,989.58	1.68%
5,241,600	50%	9,100.0	$71,533.46	$76,810.78	$5,277.32	7.38%	$220,096.91	$219,809.17	-$287.74	-0.13%	$291,630.37	$296,619.95	$4,989.58	1.71%
5,241,600	40%	9,100.0	$71,533.46	$76,810.78	$5,277.32	7.38%	$214,814.89	$214,527.15	-$287.74	-0.13%	$286,348.35	$291,337.93	$4,989.58	1.74%
3,888,000	60%	13,500.0	$73,574.19	$81,346.36	$7,772.16	10.56%	$167,176.68	$166,963.25	-$213.43	-0.13%	$240,750.88	$248,309.61	$7,558.73	3.14%
3,888,000	50%	13,500.0	$73,574.19	$81,346.36	$7,772.16	10.56%	$163,258.70	$163,045.27	-$213.43	-0.13%	$236,832.89	$244,391.62	$7,558.73	3.19%
3,888,000	40%	13,500.0	$73,574.19	$81,346.36	$7,772.16	10.56%	$159,340.71	$159,127.28	-$213.43	-0.13%	$232,914.90	$240,473.64	$7,558.73	3.25%
5,832,000	60%	13,500.0	$88,596.47	$96,368.63	$7,772.16	8.77%	$250,765.03	$250,444.88	-$320.15	-0.13%	$339,361.49	$346,813.51	$7,452.02	2.20%
5,832,000	50%	13,500.0	$88,596.47	$96,368.63	$7,772.16	8.77%	$244,888.05	$244,567.90	-$320.15	-0.13%	$333,484.52	$340,936.53	$7,452.02	2.23%
5,832,000	40%	13,500.0	$88,596.47	$96,368.63	$7,772.16	8.77%	$239,011.07	$238,690.92	-$320.15	-0.13%	$327,607.54	$335,059.55	$7,452.02	2.27%
7,776,000	60%	13,500.0	$103,618.74	$111,390.91	$7,772.16	7.50%	$334,353.37	$333,926.51	-$426.86	-0.13%	$437,972.11	$445,317.41	$7,345.30	1.68%
7,776,000	50%	13,500.0	$103,618.74	$111,390.91	$7,772.16	7.50%	$326,517.40	$326,090.53	-$426.86	-0.13%	$430,136.14	$437,481.44	$7,345.30	1.71%
7,776,000	40%	13,500.0	$103,618.74	$111,390.91	$7,772.16	7.50%	$318,681.43	$318,254.56	-$426.86	-0.13%	$422,300.17	$429,645.47	$7,345.30	1.74%

Delivery Charges		Current	Proposed
Customer Charge	$/Mo	$5,020.00	$5,134.00
Delivery Charge	$/kW	$3.39	$4.04
Transmission Revenue Adjustment	$/kWh	$0.00000	$0.00000
Systems Benefits Charge	$/kWh	$0.00520	$0.00520
Dynamic Load Management	$/kW	$0.04	$0.04
Earnings Adjustment Mechanism	$/kW	$0.17	$0.17
Value of Distributed Energy Resources	$/kW	$0.00	$0.00
Legacy Transition Charge	$/kWh	$0.00230	$0.00230
NYPA (ETIP) Credit	$/kW	-$0.84000	-$0.94000
GRT Delivery	Bill/	0.97	0.97

Commodity Charges		Current	Proposed
Energy Charge On-peak (includes capacity)	$/kWh	$0.04030	$0.04030
Energy Charge Off-peak (includes capacity)	$/kWh	$0.03033	$0.03033
Merchant Function Charge	$/kWh	$0.00050	$0.00045
Clean Energy Standard Supply	$/kWh	$0.00576	$0.00576
GRT Commodity	Bill/	0.99	0.99

Note: RDM, VDER, NWA, ESS, CESD and RSS surcharges are estimated as $0.

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Electric Rate Design Panel

Exhibit __ (E-RDP-5CU)

Service Classification No. 7 Standby Rate Design

Schedule 1

Shared and Local Facilities Rate Class Revenue Requirements

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)	
				Large General Service SC-3			Large General Service SC-3A			
	Residential Svc	Small General Service								
	SC-1	SC-2ND	SC-2D	Secondary	Primary	Sub/Transmission	Sec/Primary	Subtransmission	Transmission	TOTAL
1. Total Revenue Requirement	$1,074,909,997	$76,552,738	$202,888,025	$142,690,902	$48,823,750	$7,505,634	$26,515,223	$15,970,331	$52,330,858	$1,648,187,459
2. Less: Customer Charge Revenue	$316,213,508	$29,892,006	$29,376,381	$20,697,327	$3,928,203	$1,709,285	$1,675,396	$2,080,373	$6,085,818	$411,658,297
3. Less: Reactive Demand Revenue	N/A	N/A	N/A	$475,500	$580,334	$363,820	$349,638	$723,018	$2,656,632	$5,148,942
4. Less: NYPA SurCredit Revenue	N/A	N/A	-$13,824	-$361,143	-$460,596	-$267,680	-$460,709	-$479,689	-$4,668,442	-$6,712,084
5. Balance of Rev Req (line 1 - line 2 - line 3 - line 4)	$758,696,490	$46,660,732	$173,525,468	$121,879,218	$44,775,809	$5,700,209	$24,950,898	$13,646,630	$48,256,850	$1,238,092,305
6. Standby ACOS Study - Shared Allocation %	0.250968	0.214995	0.525609	0.658610	0.731994	0.687519	0.732494	0.763593	0.793894	
7. Shared Revenue Requirement (Line 1 * Line 6)	$269,767,734	$16,458,483	$106,639,707	$93,977,630	$35,738,698	$5,160,267	$19,422,236	$12,194,840	$41,545,173	$600,904,769
As-Used Charge Delivery Requirement (Min of Line 5, 8. Line 7)	$269,767,734	$16,458,483	$106,639,707	$93,977,630	$35,738,698	$5,160,267	$19,422,236	$12,194,840	$41,545,173	$600,904,769
Contract Charge Delivery Requirement (Max of 0, Line 9. 5 - Line 8)	$488,928,755	$30,202,248	$66,885,761	$27,901,588	$9,037,112	$539,941	$5,528,662	$1,451,791	$6,711,677	$637,187,536
Revenue Neutrality Check 1:										
10. Parent Class T&D Rate ($kWh_kW)	$0.06612	$0.07505	$13.54	$12.06	$10.69	$3.40	$11.72	$4.19	$4.04	
11. Parent Class Delivery kWh_kW	11,474,011,151	621,728,606	12,815,766	10,106,071	4,188,570	1,676,532	2,128,916	3,256,952	11,944,765	$12,141,857,330
12. Parent Class Target T&D Revenue (Line 10 * Line 11)	$758,696,490	$46,660,732	$173,525,468	$121,879,218	$44,775,809	$5,700,209	$24,950,898	$13,646,630	$48,256,850	$1,238,092,305
13 SC7 As Used Charge Delivery Revenue (line 8)	$269,767,734	$16,458,483	$106,639,707	$93,977,630	$35,738,698	$5,160,267	$19,422,236	$12,194,840	$41,545,173	$600,904,769
14 SC7 Contract Charge Delivery Revenue (line 9)	$488,928,755	$30,202,248	$66,885,761	$27,901,588	$9,037,112	$539,941	$5,528,662	$1,451,791	$6,711,677	$637,187,536
15 SC7 T&D Revenue (line 13 + line 14)	$758,696,490	$46,660,732	$173,525,468	$121,879,218	$44,775,809	$5,700,209	$24,950,898	$13,646,630	$48,256,850	$1,238,092,305
16 Difference (line 12 - line 15)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Revenue Neutrality Check 2:										
17 SC7 T&D Revenue (line 15)	$758,696,490	$46,660,732	$173,525,468	$121,879,218	$44,775,809	$5,700,209	$24,950,898	$13,646,630	$48,256,850	$1,238,092,305
18 SC7 Customer Charge revenue (line 2)	$316,213,508	$29,892,006	$29,376,381	$20,697,327	$3,928,203	$1,709,285	$1,675,396	$2,080,373	$6,085,818	$411,658,297
19 SC7 Reactive Charge Revenue (line 3)	N/A	N/A	N/A	$475,500	$580,334	$363,820	$349,638	$723,018	$2,656,632	$5,148,942
20 NYPA SurCredit Revenue line 4)	N/A	N/A	-$13,824	-$361,143	-$460,596	-$267,680	-$460,709	-$479,689	-$4,668,442	-$6,712,084
21 SC7 Total Revenue (sum line 17 thru line 20)	$1,074,909,997	$76,552,738	$202,888,025	$142,690,902	$48,823,750	$7,505,634	$26,515,223	$15,970,331	$52,330,858	$1,648,187,459
22 Total Revenue Requirement (line 1)	$1,074,909,997	$76,552,738	$202,888,025	$142,690,902	$48,823,750	$7,505,634	$26,515,223	$15,970,331	$52,330,858	$1,648,187,459
23 Difference (line 21 - line 1)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

Notes:
Lines 1-4 from Exhibit___(E-RDP-4CU), Schedule 4.
Line 6 from Exhibit____(E-RDP-5CU), Schedule 2, Page 1
Line 10, Column (B) rate is the sum of the SC1 and SC1C T&D Revenue (line 12) divided by the SC1 and SC1C forecasted kWh

Exhibit____(E-RDP-5CU)
Schedule 1
Corrections and Updates
Page 1 of 1

Electric Rate Design Panel

Exhibit __ (E-RDP-5CU)

Service Classification No. 7 Standby Rate Design

Schedule 1.1

Standby Rate Design by Parent Service Class

NIAGARA MOHAWK d/b/a NATIONALGRID
PSC No. 220 Electricity Service Classification No. 7
Standby Rate Design by Parent Service Class
Rate Year 1

Proposed RY1 Rates

Parent Service Class	Delivery Rate a	Delivery kWh/kW b	Total Delivery Revenue c=a*b
SC1	$0.06689	11,190,775,994	$748,551,006
SC1C	$0.03582	283,235,157	$10,145,483
SC1 Combined		11,474,011,151	$758,696,490
SC2ND	$0.07505	621,728,606	$46,660,732
SC2D	$13.54	12,815,766	$173,525,468
SC3 Sec	$12.06	10,106,071	$121,879,218
SC3 Pri	$10.69	4,188,570	$44,775,809
SC3 Sub/Tran	$3.40	1,676,532	$5,700,209
SC3A Sec/Pri	$11.72	2,128,916	$24,950,898
SC3A Sub	$4.19	3,256,952	$13,646,630
SC3A Tran	$4.04	11,944,765	$48,256,850

Revenue Neutral to Parent Service Class

SC7 Service Class d	Contract Charge Revenue Requirement e	Contract Demand Units f	Contract Demand Rate g=e/f	As Used Daily Demand Rev Requirement h	As Used Daily Demand Units i	As Used Daily Demand Rate j=h/i	Total Revenue k=f*g+i*j	Revenue Check k=c-j
SC7/SC1	$488,928,755	18,135,032	$26.96	$269,767,734	11,474,011,151	$0.02351	758,696,490	$0
SC7/SC2	$30,202,248	1,422,074	$21.24	$16,458,483	621,728,606	$0.02647	46,660,732	$0
SC7/SC2D	$66,885,761	16,845,533	$3.97	$106,639,707	180,993,826	$0.5892	173,525,468	$0
SC7/SC3 Sec	$27,901,588	12,512,438	$2.23	$93,977,630	236,276,416	$0.3977	121,879,218	$0
SC7/SC3 Pri	$9,037,112	5,187,936	$1.74	$35,738,698	71,727,556	$0.4983	44,775,809	$0
SC7/SC3 SubT/Tra	$539,941	2,151,606	$0.25	$5,160,267	25,453,197	$0.2027	5,700,209	$0
SC7/SC3A Sec/Pri	$5,528,662	2,546,617	$2.17	$19,422,236	35,889,020	$0.5412	24,950,898	$0
SC7/SC3A SubT	$1,451,791	3,921,226	$0.37	$12,194,840	55,682,299	$0.2190	13,646,630	$0
SC7/SC3A Tran	$6,711,677	13,940,126	$0.48	$41,545,173	201,605,106	$0.2061	48,256,850	$0

Notes:
(a) Exhibit_____(E-RDP-5CU), Schedule 1, Line 10
(b) Exhibit_____(E-RDP-5CU), Schedule 1, Line 11
(e) Exhibit_____(E-RDP-5CU), Schedule 1, Line 9
(f) Mass-Market parent service classes: Number of Bills (Exhibit____E-RDP-4CU, Schedule 4, Page 1),
Demand Service Classes: kW multiplied by Contract Demand multiplier, (Exhibit____E-RDP-4CU, Schedule 4, Page 1 * Exhibit____E-RDP-5CU, Schedule 1.3, Line 9)
(h) Exhibit_____(E-RDP-5CU), Schedule 1, Line 8
(g) Mass-Market parent service classes: Number of Bills (Exhibit____E-RDP-4CU, Schedule 4, Page 3),
Demand Service Classes: kW multiplied by On-Peak Demand/Billed Demand Ratio, (Exhibit____E-RDP-4CU, Schedule 4, Page 1 * Exhibit____E-RDP-14CU, Schedule 1.3, Line 6)

SC7 Customer Charges are the same as their parent rate class
SC7 RKVA Charges are the same as their parent rate class

Exhibit____(E-RDP-5CU)
Schedule 1.1
Corrections and Updates
Page 1 of 1

Electric Rate Design Panel

Exhibit __ (E-RDP-5CU)

Service Classification No. 7 Standby Rate Design

Schedule 1.2

Station Service Rate Design

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Service Classification No. 7
Reduced Distribution Delivery Charges for Wholesale Generators Receiving Station Power Service from NYISO
Rate Year 1

		SC3Sec	SC3Pri	SC3Sub_Tran	SC3ASec_Pri	SC3ASub	SC3ATran
	Revenue Requirement						
1	Shared - As-Used Demand	$93,977,630	$35,738,698	$5,160,267	$19,422,236	$12,194,840	$41,545,173
2	Local - Contract Demand	$27,901,588	$9,037,112	$539,941	$5,528,662	$1,451,791	$6,711,677
3	Total	$121,879,218	$44,775,809	$5,700,209	$24,950,898	$13,646,630	$48,256,850
	Standby Rate Billing Units						
4	Monthly Contract Demand (annual kW)	12,512,438	5,187,936	2,151,606	2,546,617	3,921,226	13,940,126
5	Daily As-Used Demand (annual kW)	236,276,416	71,727,556	25,453,197	35,889,020	55,682,299	201,605,106
	Standby Rates						
6	Monthly Contract Demand	**$2.23**	**$1.74**	**$0.25**	**$2.17**	**$0.37**	**$0.48**
7	Daily As-Used Demand	**0.3977**	**0.4983**	**0.2027**	**0.5412**	**0.2190**	**0.2061**
8	Wholesale Transmission Rate	$ 0.01414	$ 0.01414	$ 0.01414	$ 0.01414	$ 0.01414	$ 0.01414
9	times: Wholesale Transmission Energy Sales	4,288,049,770	1,956,433,281	735,314,122	1,028,547,706	1,659,073,015	7,158,589,527
10	Transmission Revenue Requirement	$ 60,646,779	$ 27,670,242	$ 10,399,700	$ 14,546,964	$ 23,464,614	$ 101,245,419
	Station Service Standby Rates						
11	Trans As-Used Daily Demand Charge	**$0.2567**	**$0.3858**	**$0.2027**	**$0.4053**	**$0.2190**	**$0.2061**
12	Dist As-Used Daily Demand Charge	**$0.1411**	**$0.1125**	**$0.0000**	**$0.1358**	**$0.0000**	**$0.0000**
13	Tran Contract Demand Charge	**$0.00**	**$0.00**	**$0.25**	**$0.00**	**$0.37**	**$0.48**
14	Dist Contract Demand Charge	**$2.23**	**$1.74**	**$0.00**	**$2.17**	**$0.00**	**$0.00**
	Station Service Revenue Requirements (Special Provision J)						
15	Transmission Revenue Requirement	$60,646,779	$27,670,242	$5,700,209	$14,546,964	$13,646,630	$48,256,850
16	Transmission Contract Demand Revenue Requirement	$0.00	$0.00	$539,941.41	$0.00	$1,451,790.53	$6,711,677.17
17	Distribution Revenue Requirement (excl Customer Charge Revenues)	$61,232,439	$17,105,567	$0	$10,403,934	$0	$0
18	Dist Contract Demand Charge Revenue	$27,901,588	$9,037,112	$0	$5,528,662	$0	$0
19	Dist As-Used On-Peak Daily Demand Revenue	$33,330,851	$8,068,456	$0	$4,875,272	$0	$0
20	Tran Contract Demand Charge Revenue	$0.00	$0.00	$539,941.41	$0.00	$1,451,790.53	$6,711,677.17
21	Tran As-Used On-Peak Daily Demand Revenue	$60,646,779	$27,670,242	$5,160,267	$14,546,964	$12,194,840	$41,545,173
22	Total Base Transmission Revenue	$60,646,779	$27,670,242	$5,700,209	$14,546,964	$13,646,630	$48,256,850
23	Total Base Distribution Revenue	$61,232,439	$17,105,567	$0	$10,403,934	$0	$0
24	Total Base Transmission-Distribution Revenue	$121,879,218	$44,775,809	$5,700,209	$24,950,898	$13,646,630	$48,256,850
25	Revenue Target	$121,879,218	$44,775,809	$5,700,209	$24,950,898	$13,646,630	$48,256,850

Notes

1) Exhibit____(E-RDP-5CU), Schedule 1.1, Column e
2) Exhibit____(E-RDP-5CU), Schedule 1.1, Column h
3) Line 1 + Line 2
4) Exhibit____(E-RDP-5CU), Schedule 1.1, Column f
5) Exhibit____(E-RDP-5CU), Schedule 1.1, Column i
6) Exhibit____(E-RDP-5CU), Schedule 1.1, Column g
7) Exhibit____(E-RDP-5CU), Schedule 1.1, Column j
8) Exhibit____(E-RDP-5CU), Schedule 1.3, Column g/1000
9) Exhibit____(E-RDP-5CU), Schedule 1.5, Line 5
10) Line 8 * Line 9
11) Lesser of Line 7 or Line 15 divided by Line 5
12) Line 7 - Line 11
13) Lesser of Line 6 or Line 16 divided by Line 4
14) Line 6 - Line 13
15) Lesser of Line 10 or Line 14
16) Line 15 - Line 21
17) Line 3 - Line 15
18) Line 2 - Line 16
19) Line 17 - Line 18
20) Line 13 * Line 4
21) Line 11 * Line 5
22) Line 20 + Line 21
23) Line 18 + Line 19
24) Line 22 + Line 23
25) Line 1 + Line 2

Electric Rate Design Panel

Exhibit __ (E-RDP-5CU)

Service Classification No. 7 Standby Rate Design

Schedule 1.4

Wholesale Generator Customer Charges

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
PSC No. 220 Electricity Service Classification No. 7
Wholesale Generator Customer Charges
Rate Year 1

		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	$	803.90	$	(389.32)	$	414.58
Service Classification No. 3-A (Subtransmission)						
2. Customer Charge	$	2,481.00	$	(963.93)	$	1,517.07
Service Classification No. 3-A (Transmission)						
3. Customer Charge	$	5,134.00	$	(2,184.00)	$	2,950.00

Electric Rate Design Panel

Exhibit __ (E-RDP-5CU)

Service Classification No. 7 Standby Rate Design

Schedule 2

Standby Allocated Cost of Service Study

Standby Allocated Cost of Service - Summary
($000s)

	Account Description	Balance Allocated Dollars	Residential Nonheat&Heat SC1-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	Lge Gen TOU-S/P Secondary/Primary SC3A-SEC/PRI	Lge Gen TOU-SubT Subtransmission SC3A-SUB	Lge Gen TOU-Tran Transmission SC3A-TRA	Lighting
1	Total Revenue Requirement Shared	$ 744,194	$ 301,712	$ 5,826	$ 18,469	$ 128,427	$ 118,688	$ 47,862	$ 8,645	$ 23,655	$ 18,518	$ 70,343	$ 2,050
2	Total Revenue Requirement Local	$ 1,261,506	$ 912,544	$ 5,325	$ 67,436	$ 115,913	$ 61,522	$ 17,524	$ 3,929	$ 8,639	$ 5,733	$ 18,262	$ 44,680
3	Total Revenue Requirement	$ 2,005,700	$ 1,214,256	$ 11,151	$ 85,905	$ 244,340	$ 180,210	$ 65,385	$ 12,574	$ 32,294	$ 24,251	$ 88,605	$ 46,730
4	Percent Shared	37%	25%	52%	21%	53%	66%	73%	69%	73%	76%	79%	4%

Weighting of Shared Allocator for SC1-NHHT and SC1-TOU

5	Total Revenue Requirement Shared (SC-1 and SC1-TOU)	$ 307,538
6	Total Revenue Requirement Local (SC1 and SC1-TOU)	$ 917,869
7	Total Revenue Requirement (SC-1 and SC1-TOU)	$ 1,225,407
8	Percent Shared (SC-1 and SC1-TOU)	25.0968%

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

Exhibit____(E-RDP-5CU)
Schedule 2
Corrections and Updates
Page 1 of 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	Lge Gen TOU-S/P	Lge Gen TOU-SubT	Lge Gen TOU-Tran	Lighting
1	Total Revenue Requirement Shared	$494,552	$215,380	$4,077	$13,382	$67,334	$60,528	$24,403	$8,586	$11,991	$18,399	$69,896	$577
2	Total Revenue Requirement Local	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
3	Total Revenue Requirement	$494,552	$215,380	$4,077	$13,382	$67,334	$60,528	$24,403	$8,586	$11,991	$18,399	$69,896	$577
4	Percent Shared	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

1 Revenue Requirement after applying Shared Alloctators to Exhibit____(E-RDP-3CU), Schedule 7A.
2 Revenue Requirement after applying Local Alloctators to Exhibit____(E-RDP-3CU), Schedule 7A.
3 Sum of Lines 1 and 2.
4 Line 1 / Line 3

Exhibit____(E-RDP-5CU)
Schedule 2
Corrections and Updates
Page 2 of 7

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	Lge Gen TOU-S/P	Lge Gen TOU-SubT	Lge Gen TOU-Tran	Lighting
1 Total Revenue Requirement Shared	$249,642	$86,332	$1,748	$5,087	$61,093	$58,160	$23,459	$59	$11,664	$119	$447	$1,473
2 Total Revenue Requirement Local	$24,313	$11,678	$149	$473	$4,746	$4,448	$1,802	$2	$899	$5	$14	$96
3 Total Revenue Requirement	$273,955	$98,010	$1,897	$5,560	$65,840	$62,609	$25,261	$61	$12,563	$124	$461	$1,570
4 Percent Shared	91%	88%	92%	91%	93%	93%	93%	97%	93%	96%	97%	94%

1 Revenue Requirement after applying Shared Alloctators to Exhibit____(E-RDP-3CU), Schedule 7B
2 Revenue Requirement after applying Local Alloctators to Exhibit____(E-RDP-3CU), Schedule 7B
3 Sum of Lines 1 and 2.
4 Line 1 / Line 3

Exhibit____(E-RDP-5CU)
Schedule 2
Corrections and Updates
Page 3 of 7

Standby Allocated Cost of Service - Primary stomer
($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	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
2	Total Revenue Requirement Local	$491,342	$435,807	$1,549	$33,595	$15,710	$2,429	$689	$91	$263	$185	$678	$345
3	Total Revenue Requirement	$491,342	$435,807	$1,549	$33,595	$15,710	$2,429	$689	$91	$263	$185	$678	$345
4	Percent Shared	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

1 Revenue Requirement after applying Shared Alloctators to Exhibit____(E-RDP-3CU), Schedule 7C
2 Revenue Requirement after applying Local Alloctators to Exhibit____(E-RDP-3CU), Schedule 7C
3 Sum of Lines 1 and 2.
4 Line 1 / Line 3

Exhibit____(E-RDP-5CU)
Schedule 2
Corrections and Updates
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Exhibit____(E-RDP-5CU)
Schedule 2
Corrections and Updates
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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	Lge Gen TOU-S/P	Lge Gen TOU-SubT	Lge Gen TOU-Tran	Lighting
1 Total Revenue Requirement Shared	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
2 Total Revenue Requirement Local	$ 136,580	$ 78,558	$ 290	$ 4,804	$ 31,603	$ 18,769	$ 219	$ 41	$ 572	$ 84	$ 308	$ 1,333
3 Total Revenue Requirement	$136,580	$78,558	$290	$4,804	$31,603	$18,769	$219	$41	$572	$84	$308	$1,333
4 Percent Shared	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

1 Revenue Requirement after applying Shared Alloctators to Exhibit____(E-RDP-3CU), Schedule 7D
2 Revenue Requirement after applying Local Alloctators 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 stomer
($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	$ 191,821	$ 131,412	$ 475	$ 11,432	$ 6,235	$ 1,122	$ 284	$ 55	$ 133	$ 100	$ 360	$ 40,214
3 Total Revenue Requirement	$191,821	$131,412	$475	$11,432	$6,235	$1,122	$284	$55	$133	$100	$360	$40,214
4 Percent Shared	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

1 Revenue Requirement after applying Shared Alloctators to Exhibit____(E-RDP-3CU), Schedule 7E
2 Revenue Requirement after applying Local Alloctators to Exhibit____(E-RDP-3CU), Schedule 7E
3 Sum of Lines 1 and 2.
4 Line 1 / Line 3

Exhibit____(E-RDP-5CU)
Schedule 2
Corrections and Updates
Page 6 of 7

Standby Allocated Cost of Service - On-site stomer
($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	$ 417,450	$ 255,089	$ 2,862	$ 17,131	$ 57,618	$ 34,754	$ 14,530	$ 3,741	$ 6,771	$ 5,360	$ 16,901	$ 2,692
3 Total Revenue Requirement	$ 417,450	$ 255,089	$ 2,862	$ 17,131	$ 57,618	$ 34,754	$ 14,530	$ 3,741	$ 6,771	$ 5,360	$ 16,901	$ 2,692
4 Percent Shared	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

1 Revenue Requirement after applying Shared Alloctators to Exhibit____(E-RDP-3CU), Schedules 7F, 7G, 7H, 7I, and 7J
2 Revenue Requirement after applying Local Alloctators to Exhibit____(E-RDP-3CU), Schedules 7F, 7G, 7H, 7I, and 7J
3 Sum of Lines 1 and 2.
4 Line 1 / Line 3

Exhibit____(E-RDP-5CU)
Schedule 2
Corrections and Updates
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Electric Rate Design Panel

Exhibit __ (E-RDP-5CU)

Service Classification No. 7 Standby Rate Design

Schedule 3

Rate Year 4 Rates v. Proposed Rates

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
RATE YEAR 4 RATES v. PROPOSED RATES

SC1-RESIDENTIAL	Rate Year 4 Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge - Standard	$17.00	$17.33	$0.33	1.9%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Customer Charge	$18.81	$26.96	$8.15	43.3%
As-Used Daily Energy Charge per kWh	$0.03137	$0.02351	-$0.00786	-25.1%

SC2ND-SMALL GENERAL SERVICE	Rate Year 4 Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge	$21.02	$21.02	$0.00	0.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Customer Charge	$14.44	$21.24	$6.80	47.1%
As-Used Daily Energy Charge per kWh	$0.03412	$0.02647	-$0.00765	-22.4%

SC2D-SMALL GENERAL SERVICE	Rate Year 4 Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge	$52.52	$49.56	-$2.96	-5.6%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$2.62	$3.97	$1.35	51.6%
Transformer Credit per kW	-$0.90	-$0.90	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.5670	$0.5892	$0.0222	3.9%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
RATE YEAR 4 RATES v. PROPOSED RATES

SC3-LARGE GENERAL SERVICE SECONDARY METERED (UP TO 2.2 KV)	Rate Year 4 Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge	$455.00	$463.80	$8.80	1.9%
MHP Charge (SC3, Sp. Prov. L/N)	43.46	23.52	-$19.94	-45.9%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$1.61	$2.23	$0.62	38.5%
Reactive Demand Charge per kvar	$0.85	$0.85	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.5803	$0.3977	-$0.1826	-31.5%

SC3-LARGE GENERAL SERVICE PRIMARY METERED (2.2 TO 15 KV)	Rate Year 4 Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge	$436.70	$443.00	$6.30	1.4%
MHP Charge (SC3, Sp. Prov. L/N)	43.46	23.52	-$19.94	-45.9%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$0.39	$1.74	$1.35	346.7%
Reactive Demand Charge per kvar	$0.85	$0.85	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.5443	$0.4983	-$0.0460	-8.5%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
RATE YEAR 4 RATES v. PROPOSED RATES

SC3-LARGE GENERAL SERVICE SUBTRANSMISSION METERED (22 TO 50 KV)	Rate Year 4 Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	$786.00	$803.90	$17.90	2.3%
Customer Charge for Wholesale Generators	$396.68	$414.58	$17.90	4.5%
MHP Charge (SC3, Sp. Prov. L/N)	43.46	23.52	-$19.94	-45.9%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$0.00	$0.25	$0.25	N/A
Reactive Demand Charge per kvar	$0.85	$0.85	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.1939	$0.2027	$0.0088	4.6%

SC3-LARGE GENERAL SERVICE TRANSMISSION METERED (OVER 60 KV)	Rate Year 4 Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	$786.00	$803.90	$17.90	2.3%
Customer Charge for Wholesale Generators	$396.68	$414.58	$17.90	4.5%
MHP Charge (SC3, Sp. Prov. L/N)	43.46	23.52	-$19.94	-45.9%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$0.00	$0.25	$0.25	N/A
Reactive Demand Charge per kvar	$0.85	$0.85	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.1939	$0.2027	$0.0088	4.6%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
RATE YEAR 4 RATES v. PROPOSED RATES

SC3A-LARGE GENERAL SERVICE T.O.U. SECONDARY METERED (UP TO 2.2 KV)	Rate Year 4 Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	$2,000.00	$2,038.00	$38.00	1.9%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$0.85	$2.17	$1.32	155.4%
Reactive Demand Charge per kvar	$1.02	$1.02	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.5863	$0.5412	-$0.0451	-7.7%

SC3A-LARGE GENERAL SERVICE T.O.U. PRIMARY METERED (2.2 TO 15 KV)	Rate Year 4 Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge	$2,000.00	$2,038.00	$38.00	1.9%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$0.85	$2.17	$1.32	155.4%
Reactive Demand Charge per kvar	$1.02	$1.02	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.5863	$0.5412	-$0.0451	-7.7%

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
COMPARISON OF PROPOSED SC-7 STANDBY SERVICE RATES
RATE YEAR 4 RATES v. PROPOSED RATES

SC3A-LARGE GENERAL SERVICE T.O.U. SUBTRANSMISSION METERED (22 TO 50 KV)	Rate Year 4 Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	$2,432.00	$2,481.00	$49.00	2.0%
Customer Charge for Wholesale Generators	$1,468.07	$1,517.07	$49.00	3.3%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$0.00	$0.37	$0.37	N/A
Reactive Demand Charge per kvar	$1.02	$1.02	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.2240	$0.2190	-$0.0050	-2.2%

SC3A-LARGE GENERAL SERVICE T.O.U. TRANSMISSION METERED (OVER 60 KV)	Rate Year 4 Rates	Proposed Rates	Increase/ Decrease	Percent Change
Distribution Delivery Rates and Charges				
All zones				
Customer Charge for Non-Wholesale Generators	$5,020.00	$5,134.00	$114.00	2.3%
Customer Charge for Wholesale Generators	$2,836.00	$2,950.00	$114.00	4.0%
Standby Incremental Customer Charge	See Tariff	See Tariff	$0.00	N/A
Contract Demand Charge per kW	$0.00	$0.48	$0.48	N/A
Reactive Demand Charge per kvar	$1.02	$1.02	$0.00	0.0%
As-Used Daily Demand Charge per kW	$0.1973	$0.2061	$0.0088	4.5%

Electric Rate Design Panel

Exhibit __ (E-RDP-6CU)

Proposed Tariff Fees

Schedule 2

Paperless Billing Credit

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Development of Paperless Billing Credit

		A Billing costs for Historic Test Year ended 12/31/19	B Billing Costs Adjusted for Inflation
	Paper Billing Costs:		
1	Paper	$ 248,280	$ 256,134
2	Envelopes	$ 329,836	$ 340,270
3	Postage	$ 5,609,919	$ 5,787,384
4	Print	$ 626,968	$ 646,802
5	Insert	$ 215,735	$ 222,560
6	Other	$ 29,508	$ 30,441
7	Total	$ 7,060,245	$ 7,283,590
8	Paper Bill Volume	14,675,863	14,675,863
9	Cost per Paper Bill	$ 0.48	$ 0.50
	Electronic Billing Costs CY 2019:		
10	Web Costs	$ 139,884	$ 144,309
11	Data Transfer	$ 3,340	$ 3,446
12	FISERV Costs	$ 37,033	$ 38,205
13	Transactional Email Costs	$ 387,031	$ 399,274
14	Doxo Costs	$ 9,510	$ 9,811
15	Total	$ 576,798	$ 595,045
16	E-Bill account Volume	6,358,356	6,358,356
17	Cost per Electronic Bill	$ 0.09	$ 0.09
18	Estimated Paperless Savings	$ 0.39	$ 0.40
19	Paperless Savings at E-Bill account Volume	$ 2,482,071	$ 2,560,590
20	Electric	$ 1,811,912	$ 1,869,230
21	Gas	$ 670,159	$ 691,359
22	Total	$ 2,482,071	$ 2,560,590
23	General inflation rate (historic test year to rate yr)	3.1634%	

1-6	Page 2, Lines 1-6
7	Sum of Lines 1-6
8	Page 2, Line 8
9	Line 7 / Line 8
10-14	Page 2, Lines 10-14
15	Sum of Lines 10-14
16	Page 2, Line 16
17	Line 15 / Line 16
18	Line 9 - Line 17
19	Line 18 * Line 16
20	Line 19 * 0.73
21	Line 19 * 0.27
22	Line 20 + Line 21
23	Exhibit____(RRP-8CU) Summary

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Paper Billing and Electronic Costs for Historic Test Year ended 12/31/2019

		Jan-2019	Feb-2019	Mar-2019	Apr-2019	May-2019	Jun-2019	Jul-2019	Aug-2019	Sep-2019	Oct-2019	Nov-2019	Dec-2019	Total
	Paper Bill Costs:													
1	Paper (Forms)	$ 20,698.95	$ 19,902.96	$ 21,322.57	$ 20,914.87	$ 20,588.26	$ 20,967.57	$ 20,452.29	$ 20,601.95	$ 20,859.45	$ 20,664.92	$ 20,820.82	$ 20,484.90	$ 248,279.50
2	Envelopes	$ 25,735.13	$ 24,637.61	$ 26,424.56	$ 25,876.69	$ 25,527.81	$ 26,055.71	$ 25,330.93	$ 25,590.40	$ 25,882.85	$ 33,035.60	$ 32,997.61	$ 32,740.72	$ 329,835.61
3	Postage	$ 474,290.92	$ 479,458.16	$ 490,439.33	$ 479,652.72	$ 454,464.55	$ 483,781.77	$ 469,946.77	$ 475,451.43	$ 473,323.76	$ 453,374.03	$ 467,623.74	$ 408,111.58	$ 5,609,918.76
4	Print Costs	$ 52,270.09	$ 50,259.99	$ 53,844.88	$ 52,815.31	$ 51,990.56	$ 52,948.40	$ 51,647.20	$ 52,025.11	$ 52,675.38	$ 52,184.15	$ 52,577.81	$ 51,729.55	$ 626,968.43
5	Insert Costs	$ 18,050.35	$ 17,280.56	$ 18,533.91	$ 18,149.63	$ 17,904.94	$ 18,275.20	$ 17,766.85	$ 17,948.83	$ 18,153.96	$ 17,950.61	$ 17,929.97	$ 17,790.38	$ 215,735.19
6	Other*	$ 2,179.89	$ 2,722.91	$ 2,711.07	$ 1,479.44	$ 3,014.46	$ 2,445.64	$ 2,431.62	$ 3,404.20	$ 2,217.46	$ 2,623.17	$ 2,899.37	$ 1,378.30	$ 29,507.52
7	Total Paper Billing Cost	$ 593,225.34	$ 594,262.18	$ 613,276.32	$ 598,888.65	$ 573,490.59	$ 604,474.29	$ 587,575.66	$ 595,021.92	$ 593,112.85	$ 579,832.48	$ 594,849.32	$ 532,235.42	$ 7,060,245.01
8	Paper Bill Volume	1,227,915	1,175,548	1,260,810	1,234,669	1,218,023	1,243,211	1,208,629	1,221,009	1,234,963	1,221,130	1,219,726	1,210,230	14,675,863
9	Total Cost per Paper Bill:	$ 0.48312	$ 0.50552	$ 0.48641	$ 0.48506	$ 0.47084	$ 0.48622	$ 0.48615	$ 0.48732	$ 0.48027	$ 0.47483	$ 0.48769	$ 0.43978	$ 0.48108
	Electronic Bill Costs:													
10	Web Costs	$ 11,257.33	$ 11,373.91	$ 11,458.04	$ 11,500.85	$ 11,577.76	$ 11,648.01	$ 11,671.13	$ 11,753.81	$ 11,788.79	$ 11,855.10	$ 11,954.25	$ 12,044.85	$ 139,883.83
11	Data Transfer	$ 262.49	$ 288.69	$ 267.73	$ 274.99	$ 275.86	$ 274.29	$ 281.68	$ 280.55	$ 279.23	$ 277.37	$ 292.73	$ 284.70	$ 3,340.32
12	FISERV Surcharge	$ 2,993.76	$ 3,140.28	$ 2,953.24	$ 3,137.04	$ 3,140.82	$ 3,142.26	$ 3,124.80	$ 3,115.98	$ 3,116.70	$ 2,932.67	$ 3,114.54	$ 3,121.38	$ 37,033.47
13	Transactional Email Surcharge	$ 21,101.23	$ 32,395.47	$ 34,872.61	$ 32,153.24	$ 31,968.99	$ 33,409.75	$ 32,794.39	$ 33,231.08	$ 31,354.47	$ 41,414.40	$ 31,242.04	$ 31,093.16	$ 387,030.83
14	Doxo Surcharge	$ 1,816.85	$ 1,804.09	$ 1,903.56	$ 1,996.94	$ 1,988.24	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 9,509.68
15	Total Electronic Billing Cost	$ 37,431.67	$ 49,002.44	$ 51,455.18	$ 49,063.07	$ 48,951.68	$ 48,474.31	$ 47,872.00	$ 48,381.41	$ 46,539.19	$ 56,479.54	$ 46,603.56	$ 46,544.08	$ 576,798.13
16	Electronic Bill Volume	511,697	516,996	520,820	522,766	526,262	529,455	530,506	534,264	535,854	538,868	543,375	547,493	6,358,356
17	Total Cost per Electronic Bill	$ 0.07315	$ 0.09478	$ 0.09880	$ 0.09385	$ 0.09302	$ 0.09156	$ 0.09024	$ 0.09056	$ 0.08685	$ 0.10481	$ 0.08577	$ 0.08501	$ 0.09071

1-6 Costs of producing a paper bill; line 4 includes printing costs and the Customer Bill Redesign Initiative; line 6 includes presort fees (bills only), reports, SHU (manual processing), data transfer, tax, and tier 2 volume pricing credit.
7 Sum of Lines 1-6.
8 Monthly paper bill volume.
9 Line 7 / Line 8
10 Represents the costs the Company incurs to receive bill images.
11 Monthly cost of the line the Company maintains to facilitate data transfers.
12 Represents the payments to FISERV to facilitate electronic payments.
13 Represents the payments to Striata/Western Union for email delivery of NG eBills to enrolled customers.
14 Represents the payments to Doxo for online availability of NG eBills to enrolled customers.
15 Sum of Lines 10-14.
16 Monthly electronic bill volume.
17 Line 15 / Line 16

Exhibit____(E-RDP-6CU)
Schedule 2
Corrections and Updates
Page 2 of 2

Electric Rate Design Panel

Exhibit __ (E-RDP-6CU)

Tariff Fees

Schedule 3

Competitive Billing Backout Credit

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Development of Competitive Billing Backout Credit

		Proposed Billing Backout Credit for Electric and Gas customers	
1	Electric Competitive Billing Revenue Requirement	$	17,178,642
2	Adjustment to remove paperless billing credit normalization	$	(1,869,230)
3	Adjusted Competitive Billing Revenue Requirement	$	15,309,412
4	Gas Comp Billing Revenue Requirement	$	2,293,716
5	Adjustment to Remove paperless billing credit normalization	$	(691,359)
6	Adjusted Competitive Billing Revenue Requirement	$	1,602,357
7	Total Adjusted Competitive Billing Revenue Requirement	$	16,911,768
8	Total Forecast Rate Year Customer Bills		20,402,924
9	Total "Gas Only" Customer Accounts		575,088
10	Total # of Bills		20,978,012
11	Total Monthly Billing Costs	$	0.81
12	Proposed Monthly Billing Back Out Credits	$	0.80

1 Supported by Exhibit____(E-RDP-3CU), Sch. 7J, Line 217
2 Supported by Exhibit____(G-RDP-9CU), Sch. 1, Line 20
3 Line 1 + Line 2
4 Supported by Exhibit____(G-RDP-4CU), Sch. 2, Line 19
5 Supported by Exhibit____(G-RDP-9CU), Sch. 1, Line 21
6 Line 4 + Line 5
7 Line 3 + Line 6
8 Supported by Exhibit____(E-RDP-3CU), Sch 1, Line 49 * 12
9 Gas only customers based on February 2020 CSS extract
10 Line 4 + Line 5
11 Line 3 / Line 6
12 Proposed Monthly billing backout credit to allow Company an equal credit or $0.40 for both Electric and Gas

Electric Rate Design Panel

Exhibit __ (E-RDP-6CU)

Tariff Fees

Schedule 4

Incremental Customer Charges

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Calculation of Time-of-Use Incremental Customer Charge
For Service Classification No. 1 (SC1) and Service Classification No. 2 (SC2ND)
Meter Equipment and Installation Cost Calculations

Meter Costs

	Meter Equipment Cost:	SC1	SC2ND	Total	% of Ea.
1	Total number of Complex Meters	2,727	2,791	5,518	0.33%
2	Remaining Self-Contained Meters	1,547,092	116,816	1,663,908	99.67%
3	Total Accounts	1,549,819	119,607	1,669,426	100.00%

		Cost	% of Ea.	Blended Cost
4	Cost of new Complex meter ($/each)	$148.14	0.33%	$0.49
5	Cost of new Self-Contained meter ($/each)	$121.72	99.67%	$121.32
6	Blended Cost of Meter Equipment			$121.81
7	Sales Tax			8.02%
8	Total Blended Cost of Meter Equipment including Sales Tax			$131.58

	Installation of Meter Program into Meters by Meter & Test and Meter Shop:			Hours
9	Time required to install program into meter			0.25
		Pay per Hour	% of Ea.	
10	Complex Meter Installation Labor Rate ($/hour)	$45.25	0.33%	$0.15
11	Self-Contained Meter Installation Labor Rate ($/hour)	$41.52	99.67%	$41.38
12	Blended Pay Group Rate			$41.53
13	Labor Cost to install meter program into meter			$10.38
14	Overhead on Labor Cost to install meter program (Non-Management)		61.95%	$6.43
15	Total Labor cost (including fringes) to install meter program into meter			$16.82
16	**Total Cost of Meter with Meter Program installed (without CAD or A&G Overheads)**			**$148.39**

Installation Costs

	Labor Installation costs:	Hours
17	Installation time (includes check)	0.25
18	Travel time (1/4 hr each way)	0.50
19	Total time required	0.75

	Labor for Complex Meters (MDS):	Pay per Hour	% of Each	Avg Pay per Hour	% of Ea.	Blended Cost
20	Field Tester D Labor Rate ($/hour)	$45.25	50%	$22.62		
21	Field Tester E Labor Rate ($/hour)	$49.63	50%	$24.81		
22				$47.44	0.33%	$0.16
	Labor for Self-Contained Meters (CMS)					
23	Service Representative Installation Rate ($/hour)			$45.25	99.67%	$45.10
24	Blended Labor Rate					$45.25

25	Total Installation Labor Costs		$33.94
26	Overhead on Labor Cost to install meters (Non-Management)	61.95%	$21.03
27	**Total Labor cost (including fringes) to install meters**		**$54.97**

	Transportation Installation costs:	Hours
28	Total vehicle time required	0.75
29	Cost of vehicle ($/hour)	$8.94
30	**Total Transportaion Installation Costs**	**$6.71**

	Summary of Costs including Capital and A&G Overhead Allocations:		
31	Total costs of Meters, Labor Installation and Transportation costs		$210.06
32	Capital Overhead	29.00%	$60.92
33	Capitalized A&G Overhead	3.63%	$7.63
34	Total costs including Capital Overhead and A&G Overhead		$278.61
35	S&A Overhead allocation	14.25%	$39.70
36	**Total Installed Meter costs including overhead allocations**		**$318.31**

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Calculation of Time-of-Use Incremental Customer Charge
For Service Classification No. 1 (SC1) and Service Classification No. 2 (SC2ND)
Meter Equipment and Installation Cost Calculations

Notes:
1 Complex meters are considered any meter that is transformer rated; managed by Meter Data Service (MDS); meter count as of 12/31/19.
2 Self-contained meters are considered remaining non-transformer rated; managed by Customer Metering Service (CMS); meter count as of 12/31/19.
3 Line 1 + line 2; percent of total creates weighted complex vs. self-contained.
4 Typical complex meter cost as listed in SAP (Aclara KV2C meter Form 9S, CL20 - 120-480V); cost as of 12/31/19.
5 Typical self-contained meter cost as listed in SAP (Aclara KV2C meter Form 16S, CL200 – 120-480V); cost as of 12/31/19.
6 Meter costs listed in Line 4 & Line 5 times respective weighted meter count percentages in Line 1 & Line 2.
7 NMPC weighted average sales tax from June 2019 to May 2020.
8 Line 6 x (1+Line 7).
9 Program installation time estimate received from NY Electric Meter Lab
10 Meter & Test (M&T) Field Tester D (PG20-step 2), Local 97 Blue Book, Wage Schedule P; Effective 4/1/2020.
11 Meter Shop Tester C (PG18-step 2), Local 97 Blue Book, Wage Schedule P; Effective 4/1/2020.
12 Labor rates listed in Line 10 & Line 11 times respective weighted meter count percentages in Line 1 & Line 2.
13 Line 9 x Line 12.
14 NMPC non-management Labor Overhead rate; as of April 2020; percentage times Line 13.
15 Line 13 + Line 14.
16 Line 8 + Line 15.
17 Installation time estimate received from MDS and CMS.
18 Travel time estimate received from MDS and CMS.
19 Line 17 + Line 18.
20 M&T Field Tester D (PG20-step 2), Local 97 Blue Book, Wage Schedule P; Effective 4/1/2020.
21 M&T Field Tester E (PG22-step 2), Local 97 Blue Book, Wage Schedule P; Effective 4/1/2020.
22 Line 20 and Line 21 weighted by frequency.
23 Service Representative C (PG20-step 2), Local 97 Blue Book, Wage Schedule P; Effective 4/1/2020.
24 Labor costs listed in Line 22 & Line 23 times respective weighted meter count percentages in Line 1 & Line 2.
25 Line 19 x Line 24.
26 NMPC non-management Labor Overhead rate; as of October 2019; percentage times Line 25.
27 Line 25 + Line 26.
28 Line 19.
29 Cost per hour of Van Compact AWD vehicle with fuel; from Fleet Management; as of 12/31/19.
30 Line 28 x Line 29.
31 Line 16 + Line 27 + Line 30.
32 NMPC Distribution Capital Overhead rate; as of April 2020; percentage times Line 31.
33 NMPC A&G Capital Overhead rate; April 2019-March 2020 average; percentage times Line 31.
34 Line 31 + Line 32 + Line 33.
35 NMPC Supervision & Administrative Overhead rate; as of September 2019; percentage times Line 34.
36 Line 34 + Line 35; value used as capital cost input in Revenue Requirement calculation (column C).

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Calculation of Time-of-Use Incremental Customer Charge
For Service Classification No. 1 (SC1) and Service Classification No. 2 (SC2ND)
Revenue Requirement Calculation

Financial Assumptions [1]

Return On Equity	9.50%
Debt Cost	7.96%
Equity Percent	48.00%
Debt Percent	52.00%
Federal Income Tax Rate	21.0%
State Income Tax Rate	6.5%
Property Tax Rate	0.00%
Fully Loaded O&M Rate	0.00%
Inflation Rate	3.1634%
Weighted Cost of Capital	7.93%
Depreciation Book Life (Years)	20
Tax Depreciation (Years)	**20yr**

a	b	c	d	e=(c+d)	f	g	h	i=(h-f)*FIT%	j	k=(e-g-j)	l=(k*ROE%)	m=(k*DEBT%)	n=(l*FIT%)	o=(l+n)*SIT%	p=(e*Prop%)	q=(e*O&M%)	r=(f+l+m+n+o+p+q)
CALENDAR YEAR	No YEAR	EOY ADDITIONS + REMOVAL COST	EOY RETIRE.	GROSS PLANT	BOOK DEPREC.	AVG ACCUM BOOK DEPR	TAX DEPREC.	DFIT	AVERAGE ACCUM DFIT	NET INVEST.	ROE	INTEREST	FIT	SIT	PROPERTY TAX	FULLY LOADED O&M [2]	**TOTAL REVENUE REQUIREMENT COSTS**
2020	0	$318	$0	$318	$8	$4	$12	$1	$1	$314	$14	$13	$4	$1	$0	$0	$40
2021	1	$0	$0	$318	$16	$16	$23	$2	$2	$300	$14	$12	$4	$1	$0	$0	$47
2022	2	$0	$0	$318	$16	$32	$21	$1	$4	$283	$13	$12	$3	$1	$0	$0	$45
2023	3	$0	$0	$318	$16	$48	$20	$1	$5	$266	$12	$11	$3	$1	$0	$0	$43
2024	4	$0	$0	$318	$16	$64	$18	$1	$6	$249	$11	$10	$3	$1	$0	$0	$42
2025	5	$0	$0	$318	$16	$80	$17	$0	$6	$233	$11	$10	$3	$1	$0	$0	$40
2026	6	$0	$0	$318	$16	$95	$16	($0)	$6	$217	$10	$9	$3	$1	$0	$0	$38
2027	7	$0	$0	$318	$16	$111	$14	($0)	$6	$201	$9	$8	$2	$1	$0	$0	$37
2028	8	$0	$0	$318	$16	$127	$14	($0)	$5	$186	$8	$8	$2	$1	$0	$0	$35
2029	9	$0	$0	$318	$16	$143	$14	($0)	$5	$170	$8	$7	$2	$1	$0	$0	$33
2030	10	$0	$0	$318	$16	$159	$14	($0)	$4	$155	$7	$6	$2	$1	$0	$0	$32
2031	11	$0	$0	$318	$16	$175	$14	($0)	$4	$139	$6	$6	$2	$1	$0	$0	$30
2032	12	$0	$0	$318	$16	$191	$14	($0)	$4	$124	$6	$5	$1	$0	$0	$0	$29
2033	13	$0	$0	$318	$16	$207	$14	($0)	$3	$108	$5	$4	$1	$0	$0	$0	$27
2034	14	$0	$0	$318	$16	$223	$14	($0)	$3	$93	$4	$4	$1	$0	$0	$0	$25
2035	15	$0	$0	$318	$16	$239	$14	($0)	$2	$77	$4	$3	$1	$0	$0	$0	$24
2036	16	$0	$0	$318	$16	$255	$14	($0)	$2	$62	$3	$3	$1	$0	$0	$0	$22
2037	17	$0	$0	$318	$16	$271	$14	($0)	$1	$46	$2	$2	$1	$0	$0	$0	$21
2038	18	$0	$0	$318	$16	$286	$14	($0)	$1	$31	$1	$1	$0	$0	$0	$0	$19
2039	19	$0	$0	$318		$294	$14	$4	$3	$21	$1	$1	$0	$0	$0	$0	$2
2040	20	$0	($318)	$0	$8	$298	$7	($0)	$4	$16	$1	$1	$0	$0	$0	$0	$10
	TOTAL	$318	($318)		$302		$318	$4			$173	$157	$46	$15	$0	$0	$693

Notes:
1 Source: Exhibit___(RRP-1CU), Summary, Page 3
2 Fully Loaded O&M is zero because all inputs are capital related.

NET PRESENT VALUE Revenue Requirement in 2020 $'s:	$385.09
LEVELIZED Revenue Requirement in 2020 $'s:	**$39.02**
Number of Months per year:	12
Monthly Time-of-Use Incremental Customer Charge:	**$3.25**

Exhibit ____(E-RDP-6CU)
Schedule 4b
Corrections and Updates
Page 3 of 3

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Calculation of Hourly Pricing Incremental Customer Charge
For Service Classification No. 2-Demand (SC2D) and Service Classification No. 3 (SC3)
Capital Expenditure Cost Calculations

Meter Costs

			Digital Cell Meter	Analog Land Line Meter	Digital Cell plus External Antenna	Exempt	Total
	Number of Meters:						
1	Current Hourly-Priced Customers		2264	106	18	161	2549
2	Spare Meters	15%	340	16	3	24	382
3	**Total Meters**		2604	122	21	185	2931
4	**Cost of Meters:**		$ 610.00	$ 468.85	$ 770.00	$ -	
5	Sales Tax on Meters	8.02%	$ 48.92	$ 37.60	$ 61.75	$ -	
6	Total Cost of Each Meter		$ 658.92	$ 506.45	$ 831.75	$ -	
7	**Total Cost of All Meters**		**$ 1,715,569.32**	**$ 61,736.47**	**$ 17,217.31**	**$ -**	**$ 1,794,523.10**

Installation Costs (not including spare meters)

		Rate per Hour	% of Each	Blended Rate	Hours				Total
8	Meter Shop Tester C labor rate - Programming ($/hour)	$ 41.52			1.00	1.00	1.25	0.00	
9	Field Tester D labor rate - Installation ($/hour)	$ 45.25	50%	$ 47.44	2.00	4.50	3.00	0.00	
10	Field Tester E labor rate - Installation ($/hour)	$ 49.63	50%						
11	Represented Labor Cost per Meter Installation:				$ 136.40	$ 254.99	$ 194.21	$ -	
12	Total Represented Labor Cost to Install All Meters:				$ 308,799.38	$ 27,028.75	$ 3,495.83	$ -	$ 339,323.97
13	Labor Overhead on Labor Cost to install meters (Non-Management):							61.95%	$ 210,211.20

		Rate per Year	Rate per Hour	Hours				Total
14	Meter & Test (M&T) Supervision (Management)	105,000	$ 50.48	0.25	0.25	0.25	0.00	
15	Management Labor Cost per Meter Installation:			$ 12.62	$ 12.62	$ 12.62	$ -	
16	Total Management Labor Cost to Install All Meters:			$ 28,572.12	$ 1,337.74	$ 227.16	$ -	$ 30,137.02
17	Labor Overhead on Labor Cost to install meters (Management):						71.40%	$ 21,517.83
18	**Total Labor cost (including fringes) to install meter program into meter**							**$ 601,190.02**

		Rate per Hour	Hours				Total
19	Cost of vehicle ($/hour)	$ 8.94	2.00	4.50	3.00	0.00	
20	Transportation Cost per Meter Installation:		$ 17.88	$ 40.23	$ 26.82	$ -	
21	Total Transportation Cost to Install All Meters:		$ 40,480.32	$ 4,264.38	$ 482.76	$ -	**$ 45,227.46**
22	**Total Cost of Meter with Meter Program installed (without Capital Overhead or A&G Overheads)**						**$ 2,440,940.58**
23	Capital Overhead					29.00%	$ 707,872.77
24	Capitalized A&G Overhead					3.63%	$ 88,606.14
25	Total costs including Capital Allocation						$ 3,237,419.49
26	S&A Overhead allocation					14.25%	$ 461,332.28
27	**Total Installed Meter costs including overhead allocations**						**$ 3,698,751.77**

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Calculation of Hourly Pricing Incremental Customer Charge
For Service Classification No. 2-Demand (SC2D) and Service Classification No. 3 (SC3)
Capital Expenditure Cost Calculations

Notes:

1 Count of meters based on number of hourly-priced customers; as of 12/31/2019.
Customers in SC3 exempt from paying incremental customer charge include those enrolled in economic development programs.
2 Estimated number of spare meters required to satisfy demand of hourly customers; received from Electric Meter Engineering; percentage times Line 1 meter counts.
3 Line 1 + Line 2
4 Meter costs listed in SAP for: Aclara KV2C with cell attachment, Sentinal meter, and Aclara KV2C with external antenna; as listed 12/31/19.
Customer is responsible for any charges related to procurement, installation & maintenance costs, and monthly service charges for land lines used for billing meters.
5 NMPC weighted average sales tax from June 2019 to May 2020; percentage times Line 4 meter costs.
6 Line 4 + Line 5.
7 Line 3 x Line 6.
8 Labor to program meter: Meter Shop Tester C (PG18-step 2), Local 97 Blue Book, Wage Schedule P; Effective 4/1/2020.
Programming hour estimates provided by Meter Shop by meter type.
9 Labor to install meter: M&T Field Tester D (PG20-step 2), Local 97 Blue Book, Wage Schedule P; Effective 4/1/2020; blended rate weighted by frequency.
Installation hour estimates provided by Meter & Test by meter type.
10 Labor to install meter: M&T Field Tester E (PG22-step 2), Local 97 Blue Book, Wage Schedule P; Effective 4/1/2020; blended rate weighted by frequency.
Installation hour estimates provided by Meter & Test by meter type.
11 Labor rates in Line 8, Line 9, and Line 10 times hour estimates in Line 8, Line 9, and Line 10.
12 Line 1 x Line 11.
13 NMPC non-management Labor Overhead rate; as of April 2020; percentage times Line 12 total.
14 Labor to oversee programming: Meter & Test average salary Management Band D.
Supervision hour estimates provided by Meter & Test by meter type.
15 Labor rate in Line 14 times hour estimates in Line 14.
16 Line 1 x Line 15.
17 NMPC management Labor Overhead rate; as of April 2020; percentage times Line 16 total.
18 Line 12 + Line 13 + Line 16 + Line 17.
19 Cost per hour of Van Compact AWD vehicle with fuel; from Fleet Management; as of 12/31/19.
Installation hour estimates from Line 9/10 by meter type.
20 Transportation rate in Line 19 times hour estimates in Line 19.
21 Line 1 x Line 20.
22 Line 7 + Line 18 + Line 21.
23 NMPC Distribution Capital Overhead rate; as of April 2020; percentage times Line 22.
24 NMPC A&G Capital Overhead rate; April 2019-March 2020 average; percentage times Line 22.
25 Line 22 + Line 23 + Line 24.
26 NMPC Supervision & Administrative Overhead rate; as of September 2019; percentage times Line 25.
27 Line 25 + Line 26; value used as captial cost input in Revenue Requirement calculation (column C).

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Calculation of Hourly Pricing Incremental Customer Charge
For Service Classification No. 2-Demand (SC2D) and Service Classification No. 3 (SC3)
Annual Operating Expenditure Cost Calculations

Meter Counts

	Number of Meters:	Digital Cell Meter	Analog Land Line Meter	Digital Cell plus External Antenna	Exempt[1]	Total
1	Current MHP Customers	2264	106	18	161	2549

Cost of Telecommunication Connection

		Rate per Year	Cost per Year			Total
2	Cost for a Digital Cell Connection	$ 17.00	$ 38,488.00	$ 306.00		

Cost for a Analog Landline Connection

	Company	Rate ($/mo.)	% of Ea.	Weighted Rate	Blended Rate	Rate per Year					
3	Granite	16.71	90%	15.04							
4	Verizon	36.08	10%	3.61	$ 18.65	$ 223.80		$ 23,722.80			
5				Total Annual Communication Cost:			$ 38,488.00	$ 23,722.80	$ 306.00	$ -	**$ 62,516.80**

Cost of Troubleshooting Communication Connections

			Number of Troubleshooting Trips per Year			
6	Estimated percent of digital meters causing trouble shooting trip per year	15%	339.60		2.70	
7	Estimated percent of analog meters causing trouble shooting trip per year	20%		21.20		
8	Total Trips per Year:		339.60	21.20	2.70	0.00

	Meter & Test (M&T) Field Labor:	Rate per Hour	% of Each	Blended Rate	Hours				Total
9	Field Tester D labor rate ($/hour)	$ 45.25	50%	$ 47.44	2.00	2.00	2.00	0.00	
10	Field Tester E labor rate ($/hour)	$ 49.63	50%						
11	Represented Labor Cost per Call:				$ 94.87	$ 94.87	$ 94.87	$ -	
12	Total Represented Labor Cost for all Calls:				$ 32,219.28	$ 2,011.33	$ 256.16	$ -	$ 34,486.78
13	Overhead on Labor Cost for all Calls (Non-Management):							61.95%	$ 21,364.56

	Meter Data Services (MDS) Labor:	Rate per Year	Rate per Hour	Hours				Total
14	MDS Supervision (Management)	82,000	$ 39.42	0.50	0.50	0.50	0.00	
15	Management Labor Cost per Call:			$ 19.71	$ 19.71	$ 19.71	$ -	
16	Total Management Labor Cost for all Calls:			$ 6,694.04	$ 417.88	$ 53.22	$ -	$ 7,165.14
17	Overhead on Labor Cost for all Calls (Management):						71.40%	$ 5,115.91
18	Total Labor cost (including fringes) to respond to Troubleshooting Calls:							**$ 68,132.39**

		Rate per Hour	Hours				Total
19	Transportation (VAN-LD)	$ 8.94	2.00	2.00	2.00	0.00	
20	Transportation Cost per Call:		$ 17.88	$ 17.88	$ 17.88	$ -	
21	Total Transportation Cost to for all Calls:		$ 6,072.05	$ 379.06	$ 48.28	$ -	**$ 6,499.38**

22	**Total Annual Cost of Telecommunication Connection and Troubleshooting Communication Connections (before A&G):**		**$ 137,148.57**
23	S&A Overhead allocation	14.25%	$ 19,543.67
24	**Total Annual Cost of Telecommunication Connection and Troubleshooting Communication Connections:**		**$ 156,692.24**

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Calculation of Hourly Pricing Incremental Customer Charge
For Service Classification No. 2-Demand (SC2D) and Service Classification No. 3 (SC3)
Annual Operating Expenditure Cost Calculations

Notes:

1 Count of meters based on number of hourly-priced customers; as of 12/31/2019.
Customers in SC3 exempt from paying incremental customer charge include those enrolled in economic development programs.
Spares not included in annual operating expense calculation
2 Annual wireless network fee charged to the customer for communication to digital cell meter; annual fee times Line 1.
3 Monthly service costs for a land line serviced by Granite Telecommunication; blended cost by frequency.
4 Monthly service costs for a land line serviced by Verizon Communication; blended cost by frequency; annual fee times Line 1.
5 Line 2 + Line 4
6 Percent estimate provided by Meter Data Services (MDS); percentage times Line 1.
7 Percent estimate provided by Meter Data Services (MDS); percentage times Line 1.
8 Line 6 + Line 7
9 Labor on troubleshooting call: M&T Field Tester D (PG20-step 2), Local 97 Blue Book, Wage Schedule P; Effective 4/1/2020; blended rate weighted by frequency.
Troubleshooting hour estimates provided by Meter & Test by meter type.
10 Labor on troubleshooting call: M&T Field Tester E (PG22-step 2), Local 97 Blue Book, Wage Schedule P; Effective 4/1/2020; blended rate weighted by frequency.
Troubleshooting hour estimates provided by Meter & Test by meter type.
11 Blended labor rate in Line 9/10 times hour estimates in Line 9/10.
12 Line 8 x Line 11
13 NMPC non-management Labor Overhead rate; as of April 2020; percentage times Line 12 total.
14 Supervision over service calls: MDS average salary Management Band E.
Supervision hour estimates provided by MDS by meter type.
15 Labor rate in Line 14 times hour estimates in Line 14.
16 Line 8 x Line 15
17 NMPC management Labor Overhead rate; as of April 2020; percentage times Line 16 total.
18 Line 12 + Line 13 + Line 16 + Line 17.
19 Cost per hour of Van Compact AWD vehicle with fuel; from Fleet Management; as of 12/31/19.
Installation hour estimates from Line 9/10 by meter type.
20 Transportation rate in Line 19 times hour estimates in Line 19.
21 Line 8 x Line 20.
22 Line 5 + Line 18 + Line 21.
23 NMPC Supervision & Administrative Overhead rate; as of September 2019; percentage times Line 22.
24 Line 22 + Line 23; value used as annual operating cost input in Revenue Requirement calculation (column Q).

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRII
Calculation of Hourly Pricing Incremental Customer Charge
For Service Classification No. 2-Demand (SC2D) and Service Classification No. 3 (SC3)
Revenue Requirement Calculation

Financial Assumptions [1]

Return On Equity	9.50%
Debt Cost	7.96%
Equity Percent	48.00%
Debt Percent	52.00%
Federal Income Tax Rate	21.0%
State Income Tax Rate	6.5%
Property Tax Rate	0.00%
Fully Loaded O&M Rate	0.00%
Inflation Rate	3.1634%
Weighted Cost of Capital	7.93%
Depreciation Book Life (Years)	20
Tax Depreciation (Years)	**20yr**

a	b	c	d	e=(c+d)	f	g	h	i=(h-f)*FIT%	j	k=(e-g-j)	l=(k*ROE%)	m=(k*DEBT%)	n=(l*FIT%)	o=(l+n)*SIT%	p=(e*Prop%)	q=(e*O&M%)	r=(f+l+m+n+o+p+q)
CALENDAR YEAR	No YEAR	EOY ADDITIONS + REMOVAL COST	EOY RETIRE.	GROSS PLANT	BOOK DEPREC.	AVG ACCUM BOOK DEPR	TAX DEPREC.	DFIT	AVERAGE ACCUM DFIT	NET INVEST.	ROE	INTEREST	FIT	SIT	PROPERTY TAX	FULLY LOADED O&M [2]	**TOTAL REVENUE REQUIREMENT COSTS**
2020	0	$3,698,752	$0	$3,698,752	$92,469	$46,234	$138,703	$12,083	$6,042	$3,646,476	$166,279	$150,935	$44,201	$14,632	$0	$156,692	$625,208
2021	1	$0	$0	$3,698,752	$184,938	$184,938	$267,013	$21,450	$22,809	$3,491,006	$159,190	$144,500	$42,316	$14,008	$0	$161,649	$706,601
2022	2	$0	$0	$3,698,752	$184,938	$369,875	$246,966	$16,211	$41,639	$3,287,237	$149,898	$136,065	$39,846	$13,191	$0	$166,763	$690,701
2023	3	$0	$0	$3,698,752	$184,938	$554,813	$228,472	$11,378	$55,434	$3,088,505	$140,836	$127,839	$37,437	$12,393	$0	$172,038	$675,482
2024	4	$0	$0	$3,698,752	$184,938	$739,750	$211,310	$6,892	$64,569	$2,894,433	$131,986	$119,806	$35,085	$11,615	$0	$177,480	$660,910
2025	5	$0	$0	$3,698,752	$184,938	$924,688	$195,479	$2,755	$69,392	$2,704,672	$123,333	$111,952	$32,785	$10,853	$0	$183,095	$646,955
2026	6	$0	$0	$3,698,752	$184,938	$1,109,626	$180,795	($1,083)	$70,228	$2,518,898	$114,862	$104,262	$30,533	$10,108	$0	$188,887	$633,589
2027	7	$0	$0	$3,698,752	$184,938	$1,294,563	$167,258	($4,621)	$67,377	$2,336,812	$106,559	$96,725	$28,326	$9,377	$0	$194,862	$620,786
2028	8	$0	$0	$3,698,752	$184,938	$1,479,501	$165,038	($5,201)	$62,466	$2,156,785	$98,349	$89,274	$26,144	$8,655	$0	$201,026	$608,385
2029	9	$0	$0	$3,698,752	$184,938	$1,664,438	$165,001	($5,210)	$57,261	$1,977,053	$90,154	$81,834	$23,965	$7,933	$0	$207,386	$596,209
2030	10	$0	$0	$3,698,752	$184,938	$1,849,376	$165,038	($5,201)	$52,055	$1,797,321	$81,958	$74,395	$21,786	$7,212	$0	$213,946	$584,235
2031	11	$0	$0	$3,698,752	$184,938	$2,034,313	$165,001	($5,210)	$46,850	$1,617,589	$73,762	$66,955	$19,608	$6,491	$0	$220,714	$572,468
2032	12	$0	$0	$3,698,752	$184,938	$2,219,251	$165,038	($5,201)	$41,644	$1,437,857	$65,566	$59,516	$17,429	$5,770	$0	$227,696	$560,915
2033	13	$0	$0	$3,698,752	$184,938	$2,404,189	$165,001	($5,210)	$36,439	$1,258,125	$57,370	$52,076	$15,250	$5,049	$0	$234,899	$549,582
2034	14	$0	$0	$3,698,752	$184,938	$2,589,126	$165,038	($5,201)	$31,233	$1,078,392	$49,175	$44,637	$13,072	$4,327	$0	$242,330	$538,478
2035	15	$0	$0	$3,698,752	$184,938	$2,774,064	$165,001	($5,210)	$26,028	$898,660	$40,979	$37,197	$10,893	$3,606	$0	$249,996	$527,609
2036	16	$0	$0	$3,698,752	$184,938	$2,959,001	$165,038	($5,201)	$20,822	$718,928	$32,783	$29,758	$8,715	$2,885	$0	$257,904	$516,982
2037	17	$0	$0	$3,698,752	$184,938	$3,143,939	$165,001	($5,210)	$15,617	$539,196	$24,587	$22,318	$6,536	$2,164	$0	$266,063	$506,606
2038	18	$0	$0	$3,698,752	$184,938	$3,328,877	$165,038	($5,201)	$10,411	$359,464	$16,392	$14,879	$4,357	$1,442	$0	$274,480	$496,487
2039	19	$0	$0	$3,698,752	$184,938	$3,513,814	$165,001	($5,210)	$5,206	$179,732	$8,196	$7,439	$2,179	$721	$0	$283,163	$486,635
2040	20	$0	($3,698,752)	$0		$3,606,283	$82,519	$21,566	$13,384	$79,085	$3,606	$3,273	$959	$317	$0	$0	$8,156
	TOTAL	$3,698,752	($3,698,752)		$3,606,283		$3,698,752	$24,167			$1,866,632	$1,694,378	$496,193	$164,261	$0	$4,281,070	$12,108,816

Notes:
1 Source: Exhibit___(RRP-1CU), Summary, Page 3
2 Fully Loaded O&M is annual cost of telecommunication connection and annual cost of troubleshooting communication connections

NET PRESENT VALUE Revenue Requirement in 2020 $'s:	$6,585,922
LEVELIZED Revenue Requirement in 2020 $'s:	**$667,300**
Number of Non-Exempt Customers:	2,364
Monthly Hourly Pricing Incremental Customer Charge:	**$23.52**

Exhibit ____(E-RDP-6CU)
Schedule 4c
Corrections and Updates
Page 5 of 5

Electric Rate Design Panel

Exhibit __ (E-RDP-7CU)

Merchant Function Charge and Other Miscellaneous Charges

Schedule 1

Credit and Collections

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Merchant Function Charge-Electric

		Non-Demand	Demand	Streetlighting	Total
1	Revenue for Historic Year Ended 12/31/19	$ 4,955,858,442	$ 2,401,454,386	$ 179,965,363	$ 7,537,278,190
2	Net Writeoffs (Historic Test Year Ended 12/31/19)	$ 97,582,361	$ 4,688,113	$ 120,541	$ 102,391,016
3	Uncollectible factor	**1.97%**	**0.20%**	**0.07%**	
4	Credit & Collections	$ 0.00011	$ 0.00000	$ 0.00001	
5	Electric Supply Procurement& Admin	$ 0.00010	$ 0.00010	$ 0.00010	
6	Pre Tax Weighted Cost of Capital	7.93%	7.93%	7.93%	
7	Lead Lag Percentage - CWC	9.48%	9.48%	9.48%	
8	Electric Purchased Power related Working Capital	**0.752%**	**0.752%**	**0.752%**	
9	Uncollectible factor	$ 0.00074	$ 0.00007	$ 0.00002	
10	Credit & Collections	$ 0.00011	$ 0.00000	$ 0.00001	
11	Electric Supply Procurement& Admin	$ 0.00010	$ 0.00010	$ 0.00010	
12	Electric Purchased Power related Working Capital	$ 0.00027	$ 0.00027	$ 0.00027	
13	**Total $/kWh**	**$ 0.00122**	**$ 0.00044**	**$ 0.00041**	

1 Supported by Exhibit_____(E-RDP-7CU), Schedule 1, Page 3, Line 6, cols A-C
2 Supported by Exhibit_____(E-RDP-7CU), Schedule 1, Page 3, Line 1, cols A-C
3 Line 2 / Line 1
4 Supported by Exhibit_____(E-RDP-7CU), Schedule 1, Page 4, Line 4
5 Supported by Exhibit_____(E-RDP-7CU), Schedule 1, Page 5, Line 3
6 Supported by Exhibit_____(RRP-7CU), Schedule 5, Page 1
7 Supported by Exhibit_____(RRP-7CU), Schedule 5, Page 1
8 Line 6 * Line 7
9 Supported by Exhibit_____(E-RDP-7CU), Schedule 1, Page 2, Line 7
10 Supported by Exhibit_____(E-RDP-7CU), Schedule 1, Page 4, Line 4
11 Supported by Exhibit_____(E-RDP-7CU), Schedule 1, Page 5, Line 3
12 Supported by Exhibit_____(E-RDP-7CU), Schedule 1, Page 6, Line 7
13 Sum of Lines 9 -12

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Development of the Uncollectible Factor

		Non-Demand	Demand	Streetlighting	Total
1	Revenue for Historic Year Ended 12/31/19	$ 4,955,858,442	$ 2,401,454,386	$ 179,965,363	$ 7,537,278,190
2	Net Writeoffs (Historic Test Year Ended 12/31/19)	$ 97,582,361	$ 4,688,113	$ 120,541	$ 102,391,016
3	Uncollectible factor	**1.97%**	**0.20%**	**0.07%**	
4	FY2019 Commodity Revenue (excl SC12)	$ 384,904,766	$ 125,639,132	$ 2,252,868	$ 512,796,766
5	Forecast Uncollectible MFC collected	$ 7,578,892	$ 245,272	$ 1,509	$ 7,825,673
6	RY 2022 Forecast of Full Service Customer kWh Sales	10,272,715,464	3,760,627,397	69,171,990	14,102,514,850
7	**$/kWh**	**$ 0.00074**	**$ 0.00007**	**$ 0.00002**	

1 Supported by Exhibit_____(E-RDP-7CU), Schedule 1, Page 3, Line 6, cols A-C
2 Supported by Exhibit_____(E-RDP-7CU), Schedule 1, Page 3, Line 1, cols A-C
3 Line 2 / Line 1
4 Supported by Exhibit_____(E-RDP-14CU), Workpapers to Exhibit_____(E-RDP-7CU),Schedule 1, Workpaper , Page 3, Column C
5 Line 3 * Line 4
6 Supported by Exhibit_____(E-RDP-14CU), Workpapers to Exhibit_____(E-RDP-7CU),Schedule 1, Workpaper 1, Page 4 Column C
7 Line 5 / Line 6

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Development of Uncollectible Rate by Customer Category

	A **Non-Demand** (SC-1, SC-1C, SC2ND)	B **Demand** (SC2D, SC3,SC3A)	C **Streetlighting**	D **NYPA**	E **SC11/12**	F Total
1 Historic Net Writeoffs	$ 97,582,361	$ 4,688,113	$ 120,541	$ -	$ -	$ 102,391,016
2 *Allocation % based on Historic Net Writeoffs by Service Class*	95.30%	4.58%	0.12%			
Historic Test Year Revenue						
3 NMPC Historic Test Year Revenue	$ 4,427,693,508	$ 2,033,205,737	$ 174,905,996	$ 95,804,024	$ 24,538,271	$ 6,756,147,535
4 LPC	$ 30,325,909	$ 7,020,735	$ -	$ -	$ -	$ 37,346,644
5 ESCO POR Revenue	$ 497,839,025	$ 361,227,913	$ 5,059,367	$ -	$ -	$ 864,126,306
6 Total	$ 4,955,858,442	$ 2,401,454,386	$ 179,965,363	$ 95,804,024	$ 24,538,271	$ 7,657,620,485
7 Uncollectible Rate	1.97%	0.20%	0.07%	0.00%	0.00%	
RY2022 Forecast Rate Year Revenue						
8 Delivery	$ 1,203,635,502	$ 612,127,438	$ 45,289,752	$ -	$ -	$ 1,861,052,692
9 Commodity	$ 388,953,454	$ 126,926,345	$ 2,275,963	$ -	$ -	$ 518,155,763
10 Total	$ 1,592,588,956	$ 739,053,784	$ 47,565,716	$ -	$ -	$ 2,379,208,455
Forecast Uncollectible Expense						
11 Delivery	$ 23,699,949	$ 1,194,994	$ 30,335	$ -	$ -	$ 24,925,278
12 Commodity	$ 7,658,612	$ 247,785	$ 1,524	$ -	$ -	$ 7,907,922
13 Total	$ 31,358,561	$ 1,442,779	$ 31,860	$ -	$ -	$ 32,833,200
14 Uncollectibles - Delivery	75.91%					
15 Uncollectibles - Commodity	24.09%					

1 Detailed in Exhibit_____(SSCP-3CU)
2 Historic Gross Writeoff percentages as detailed in Exhibit (E-RDP-3CU), Schedule 9S
3 Detailed in Exhibit_____(SSCP-3CU)
4 Late Payment Charge revenue in Historic Test Year 2019
5 Detailed in Exhibit_____(E-RDP-7CU), Workpapers to Exhibit_____(E-RDP-7CU), Schedule 1, Workpaper 1, Page 1
6 Line 3 + Line 4 + Line 5
7 Line 1 / Line 6
8 Detailed in Exhibit_____(E-RDP-7CU), Workpapers to Exhibit_____(E-RDP-7CU), Schedule 1, Workpaper 1, Page 2
9 Detailed in Exhibit_____(E-RDP-7CU), Workpapers to Exhibit_____(E-RDP-7CU), Schedule 1, Workpaper 1, Page 2
10 Line 8 + Line 9
11 Line 7 * Line 8
12 Line 7 * Line 9
13 Line 11 + Line 12
14 Line 11 (col F) / Line 13 (col F)
15 Line 12 (col F) / Line 13 (col F)

Exhibit____(E-RDP-7)
Schedule 1
Corrections and Updates
Page 3 of 6

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Development of Credit and Collection Factor

		Total "Collection Function" (Exhibit E-RDP-4, Sch 2)
1 Total Rev Requirement		$ 1,410,752

		Non-Demand	Demand	Streetlighting	Total
2 Total Revenue Requirement (Allocated by Commodity)		$ 1,367,207	$ 41,873	$ 1,672	$ 1,410,752
3 RY 2022 Forecast of Full Service and POR kWh Sales (excluding SC12 contracts)		$ 12,086,857,626	$ 19,908,553,849	$ 194,336,133	$ 32,189,747,608
		$ -	$ -	$ -	$ -
4	**$/kWh**	**$ 0.00011**	**$ 0.00000**	**$ 0.00001**	

1 Supported by Exhibit_____(E-RDP-4CU), Schedule 2
2 Allocation to class based on Commodity Uncollectible % and supported by Exhibit (E-RDP-4CU), Schedule 8A
3 Supported by Exhibit_____(E-RDP-14CU), Workpapers to Exhibit_____(E-RDP-7CU), Workpapers 4 & 5
4 Line 2 / Line 3

Exhibit____(E-RDP-7)
Schedule 1
Corrections and Updates
Page 4 of 6

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Development of Supply Procurement Factor

			Total "Procurement Function" (Exhibit E-RDP-4, Sch 2)
1	Total Rev Requirement		1,404,484
2	RY2022 Forecast of Full service kWh sales		14,106,772,617
3		**$/kWh**	**$ 0.00010**

1 Supported by Exhibit_____(E-RDP-4CU), Schedule 2
2 Supported by Exhibit_____(E-RDP-14CU), Workpapers to Exhibit_____(E-RDP-7CU),Schedule 1, Workpaper 1, Page 4,Column A
3 Line 1 / Line 2

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Development of Working Capital Factor

1	Pre Tax Weighted Cost of Capital		7.93%
2	Lead Lag Percentage - CWC		9.48%
3	Electric Purchased Power related Working Capital		0.752%
4	RY 2022 Forecast Commodity Revenue		$ 512,796,766
5	Forecasted revenue		$ 3,855,021
6	RY 2022 Forecast Full Service Customer kwh Sales		14,106,772,617
7		**$/kWh**	$ 0.00027

1 Supported by Exhibit (RRP-1CU), Summary, Page 3
2 Supported by Exhibit (RRP-7CU), Schedule 5, Page 1
3 Line 1 * Line 2
4 Supported by Exhibit_____(E-RDP-14CU), Workpapers to Exhibit_____(E-RDP-7CU),Schedule 1, Workpaper 1, Page 3, Column A
5 Line 3 * Line 4
6 Supported by Exhibit_____(E-RDP-14CU), Workpapers to Exhibit_____(E-RDP-7CU),Schedule 1, Workpaper 1, Page 4, Column A
7 Line 5 / Line 6

Electric Rate Design Panel

Exhibit __ (E-RDP-8CU)

Lighting Tariff Rate Design

Development of Target Revenue per Lighting Service Class

Schedule 1

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	Present Usage	Present T&D Rate	T&D Revenue	Facility Revenue	Total Revenue	Pct. of Revenue from T&D	Pct. of Total Revenue
SC-1	19,335,264	0.08834	$1,708,077	$1,534,365	$3,242,443	52.7%	7.5%
SC-1 LED	322,380	0.08834	$28,479	$97,490	$125,969	22.6%	0.3%
	19,657,644		$1,736,556	$1,631,856	$3,368,412	51.6%	7.7%
SC-2	105,294,256	0.08834	$9,301,695	$24,355,217	$33,656,911	27.6%	77.4%
SC-2 LED	3,477,513	0.08834	$307,204	$1,765,701	$2,072,905	14.8%	4.8%
[1] SC-2 PE	27,950	0.08834	$2,469	$504,349	$506,818	0.5%	1.2%
[2] Contract	14,388	0.08834	$1,271	$3,375	$4,647	27.4%	0.0%
	108,814,107		$9,612,638	$26,628,643	$36,241,281	26.5%	83.3%
SC-3	49,121,003	0.06065	$2,979,189	$10,871	$2,990,060	99.6%	6.9%
SC-6	200,964	0.06065	$12,188	$2,167	$14,355	84.9%	0.0%
	49,321,967		$2,991,377	$13,038	$3,004,415	99.6%	6.9%
[3] SC-4	7,660,284	0.01103	$84,493	$792,888	$877,381	9.6%	2.0%
Total	185,454,001		$14,425,065	$29,066,424	$43,491,489	33.2%	100.0%

[4] Revenue Requirement Allocation:	$46,267,796
Dollar Increase for Lighting Service Class:	$2,776,307
Percentage Increase for Lighting Service Class:	6.38%

Facility Revenue Target Adjustment

		Facility Revenue	
Total Target Facility Revenue:		$30,921,898	*a = Present Total Facility Dollars x % Increase for Lighting Class*
[5] PE % Inc.:	14.00%	$574,961	*b = Present SC2 PE Facility Dollars x PE % Inc.*
[6] LED % Inc.:	3.37%	$1,925,966	*c = Present SC1 LED + SC2 LED Facility Dollars x LED % Inc.*
Non-PE & Non-LED Target Facility Revenue:		$28,420,970	*d = a - b - c*
Non-PE & Non-LED Present Facility Revenue:		$26,698,884	*e = Present Total Facility - SC2 PE Facility - SC1 LED Facility - SC2 LED Facility*
Dollar Increase for non-PE & non-LED Facilities:		$1,722,087	*f = d - e*
Percentage Increase for non-PE & non-LED Facilites:		6.45%	*g = f / e*

Notes:
(1) Facility Price Exceptions ("PE") on SC-2 customer accounts.
(2) Special Contracts within SC-2 customer accounts.
(3) The SC-4 basic service charges are included in "facility revenue" above and elsewhere, for convenience of presentation.
(4) Source: Exhibit ___ (E-RDP-4CU), Schedule 1, Line 37. Target Distribution Revenue Rate Year 1 for Lighting.
(5) PE facility increase based on 10-year phase out per Exhibit ___ (E-RDP-8CU), Schedule 4; rate shown is average increase across all PE facilities.
(6) LED facility increases reduced based on replacement cost analysis per Exhibit ____ (E-DRP-8CU), Schedule 10, page 1.

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

Target Rate Year Revenues

Service Class	Proposed Usage	Target T&D Rate[1]	T&D Revenue	Facility Revenue	Total Revenue	Pct. of Revenue from T&D	Pct. of Total Revenue	T&D Rate Increase %	Facility Price Increase %
SC-1	19,335,264	0.09398	$1,817,113	$1,633,332	$3,450,446	52.7%	7.5%	6.38%	6.45%
SC-1 LED	322,380	0.09398	$30,297	$100,775	$131,072	23.1%	0.3%	6.38%	3.37%
	19,657,644		$1,847,410	$1,734,107	$3,581,518	51.6%	7.7%		
SC-2	105,294,256	0.09398	$9,895,474	$25,926,136	$35,821,610	27.6%	77.4%	6.38%	6.45%
SC-2 LED	3,477,513	0.09398	$326,814	$1,825,192	$2,152,006	15.2%	4.7%	6.38%	3.37%
SC-2 PE	27,950	0.09398	$2,627	$574,961	$577,588	0.5%	1.2%	6.38%	14.00%
Contract	14,388	0.09398	$1,352	$3,593	$4,945	27.3%	0.0%	6.38%	6.45%
	108,814,107		$10,226,267	$28,329,882	$38,556,150	26.5%	83.3%		
SC-3	49,121,003	0.06452	$3,169,367	$11,572	$3,180,939	99.6%	6.9%	6.38%	6.45%
SC-6	200,964	0.06452	$12,967	$2,307	$15,273	84.9%	0.0%	6.38%	6.45%
	49,321,967		$3,182,334	$13,879	$3,196,213	99.6%	6.9%		
SC-4	7,660,284	0.01173	$89,887	$844,029	$933,916	9.6%	2.0%	6.38%	6.45%
Total	185,454,001		$15,345,898	$30,921,898	$46,267,796	33.2%	100.0%		
		Dollar Increase:	$920,833	$1,855,474	$2,776,307				
		Percent Increase:	6.38%	6.38%	6.38%				

Rate Year 1 Revenue at Proposed Rates

Service Class	Proposed Usage	Proposed T&D Rate[2]	T&D Revenue	Facility Revenue	Total Revenue[3]	Pct. of Revenue from T&D	Pct. of Total Revenue	T&D Rate Increase %	Facility Price Increase %	Total Revenue Increase %
SC-1	19,335,264	0.09398	$1,817,128	$1,633,830	$3,450,958	52.7%	7.5%	6.38%	6.48%	6.43%
SC-1 LED	322,380	0.09398	$30,297	$100,781	$131,078	23.1%	0.3%	6.38%	3.38%	4.06%
	19,657,644		$1,847,425	$1,734,611	$3,582,036	51.6%	7.7%			
SC-2	105,294,256	0.09398	$9,895,554	$25,923,876	$35,819,430	27.6%	77.4%	6.38%	6.44%	6.43%
SC-2 LED	3,477,513	0.09398	$326,817	$1,825,537	$2,152,353	15.2%	4.7%	6.38%	3.39%	3.83%
SC-2PE	27,950	0.09398	$2,627	$574,961	$577,588	0.5%	1.2%	6.38%	14.00%	13.96%
Contract	14,388	0.09398	$1,352	$3,574	$4,926	27.5%	0.0%	6.38%	5.87%	6.01%
	108,814,107		$10,226,350	$28,327,948	$38,554,298	26.5%	83.3%			
SC-3	49,121,003	0.06452	$3,169,287	$11,576	$3,180,863	99.6%	6.9%	6.38%	6.49%	6.38%
SC-6	200,964	0.06452	$12,966	$2,304	$15,270	84.9%	0.0%	6.38%	6.32%	6.37%
	49,321,967		$3,182,253	$13,880	$3,196,134	99.6%	6.9%			
SC-4	7,660,284	0.01173	$89,855	$843,952	$933,807	9.6%	2.0%	6.35%	6.44%	6.43%
Total	185,454,001		$15,345,884	$30,920,391	$46,266,274	33.2%	100.0%			
		Dollar Increase:	$920,819	$1,853,967	$2,774,786					
		Percent Increase:	6.38%	6.38%	6.38%					

Notes:
(1) Target T&D rates are not rounded.
(2) Proposed T&D rates below are rounded to five decimal places.
(3) Total Revenue differs from Target Revenue due to T&D and Facility rate rounding.

Electric Rate Design Panel

Exhibit __ (E-RDP-8CU)

Lighting Tariff Rate Design

Rate Year Revenue at Present and Proposed Rates
(Service Classification No. 1)

Schedule 2

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. 1 - Private Lighting (Company Owned and Maintained)

Current T&D rate	0.08834	*Target Facility Price Increase:*	**6.45%**
Proposed T&D rate	0.09398	*Ratio LED% to HID %:* 52.24% *Target LED Price Increase:*	**3.37%**

Description	Billed Annual kWh per Lamp (b)	Present Annual Facility Price (c)	Rate Year 1 Annual Facility Price (d)	Percent Change Facility Price (e)	2019 Units Billed (g)	Present Annual Usage (h)	Present Annual T&D Revenue (i)	Present Annual Facility Revenue (j)	Present Annual Total Revenue (k)	FY'20 Fcst Units (l)	Rate Year 1 Annual Usage (m)	Rate Year 1 Annual T&D Revenue (n)	Rate Year 1 Annual Facility Revenue (o)	Rate Year 1 Annual Total Revenue (p)
Standard Offerings														
LAMP & LUMINAIRE														
LED														
LL Roadway LED-B	108	$84.48	**$87.36**	3.4%	263	28,404	$2,509	$22,218	$24,727	263	28,404	$2,669	$22,976	$25,645
LL Roadway LED-C	204	$89.28	**$92.28**	3.4%	371	75,684	$6,686	$33,123	$39,809	371	75,684	$7,113	$34,236	$41,349
LL Roadway LED-D	396	$111.12	**$114.84**	3.3%	215	85,140	$7,521	$23,891	$31,412	215	85,140	$8,001	$24,691	$32,692
LL Roadway LED-F	876	$120.12	**$124.20**	3.4%	152	133,152	$11,763	$18,258	$30,021	152	133,152	$12,514	$18,878	$31,392
LL Floodlight LED-E	636	$81.72	**$84.48**	3.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Floodlight LED-F	840	$88.80	**$91.80**	3.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
		LED Lamp & Luminaire Annual Total:				**322,380**	**$28,479**	**$97,490**	**$125,969**		**$322,380**	**$30,297**	**$100,781**	**$131,078**
POLES/STANDARDS														
Overhead Service														
Additional Wood Pole		$82.32	**$87.60**	6.4%	3,732	-	$0	$307,218	$307,218	3,732	-	$0	$326,923	$326,923
CIRCUITRY														
Overhead Service - one span		$38.28	**$40.80**	6.6%	4,431	-	$0	$169,619	$169,619	4,431	-	$0	$180,785	$180,785
		Standard Offering Annual Total:				**322,380**	**$28,479**	**$574,327**	**$602,806**		**322,380**	**$30,297**	**$608,489**	**$638,786**

Exhibit ____(E-RDP-8CU)
Schedule 2
Corrections and Updates
Page 1 of 3

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. 1 - Private Lighting (Company Owned and Maintained)

Current T&D rate 0.08834
Proposed T&D rate 0.09398

Ratio LED% to HID %: 52.24%

Target Facility Price Increase: **6.45%**
Target LED Price Increase: **3.37%**

Description	Billed Annual kWh per Lamp (b)	Present Annual Facility Price (c)	Rate Year 1 Annual Facility Price (d)	Percent Change Facility Price (e)	2019 Units Billed (g)	Present Annual Usage (h)	Present Annual T&D Revenue (i)	Present Annual Facility Revenue (j)	Present Annual Total Revenue (k)	FY'20 Fcst Units (l)	Rate Year 1 Annual Usage (m)	Rate Year 1 Annual T&D Revenue (n)	Rate Year 1 Annual Facility Revenue (o)	Rate Year 1 Annual Total Revenue (p)
Closed Offerings														
LAMP & LUMINAIRE														
High Pressure Sodium														
Coach, 70W	360	$118.80	**$126.48**	6.5%	12	4,320	$382	$1,426	$1,807	12	4,320	$406	$1,518	$1,924
Coach, 100W	492	$118.80	**$126.48**	6.5%	1	492	$43	$119	$162	1	492	$46	$126	$173
Coach, 150W	720	$118.80	**$126.48**	6.5%	17	12,240	$1,081	$2,020	$3,101	17	12,240	$1,150	$2,150	$3,300
Edison, 70W	360	$118.80	**$126.48**	6.5%	25	9,000	$795	$2,970	$3,765	25	9,000	$846	$3,162	$4,008
Edison, 100W	492	$118.80	**$126.48**	6.5%	90	44,280	$3,912	$10,692	$14,604	90	44,280	$4,161	$11,383	$15,545
Floodlight, 250W	1,272	$78.48	**$83.52**	6.4%	1,170	1,488,240	$131,471	$91,822	$223,293	1,170	1,488,240	$139,865	$97,718	$237,583
Floodlight, 400W	1,956	$78.48	**$83.52**	6.4%	1,599	3,127,644	$276,296	$125,490	$401,786	1,599	3,127,644	$293,936	$133,548	$427,484
Roadway, 70W	360	$64.32	**$68.52**	6.5%	474	170,640	$15,074	$30,488	$45,562	474	170,640	$16,037	$32,478	$48,515
Roadway, 100W	492	$64.32	**$68.52**	6.5%	1,965	966,780	$85,405	$126,389	$211,794	1,965	966,780	$90,858	$134,642	$225,500
Roadway, 150W	720	$64.32	**$68.52**	6.5%	1,751	1,260,720	$111,372	$112,624	$223,996	1,751	1,260,720	$118,482	$119,979	$238,461
Roadway, 250W	1,272	$64.32	**$68.52**	6.5%	1,365	1,736,280	$153,383	$87,797	$241,180	1,365	1,736,280	$163,176	$93,530	$256,705
Roadway, 400W	1,956	$64.32	**$68.52**	6.5%	1,562	3,055,272	$269,903	$100,468	$370,371	1,562	3,055,272	$287,134	$107,028	$394,163
Shoebox, 400W	1,956	$96.24	**$102.48**	6.5%	7	13,692	$1,210	$674	$1,883	7	13,692	$1,287	$717	$2,004
Traditional, 70W	360	$64.32	**$68.52**	6.5%	6	2,160	$191	$386	$577	6	2,160	$203	$411	$614
Traditional, 100W	492	$64.32	**$68.52**	6.5%	26	12,792	$1,130	$1,672	$2,802	26	12,792	$1,202	$1,782	$2,984
Traditional, 150W	720	$64.32	**$68.52**	6.5%	2	1,440	$127	$129	$256	2	1,440	$135	$137	$272
Metal Halide														
LL Flood MH 400W	1,884	$90.36	**$96.24**	6.5%	28	52,752	$4,660	$2,530	$7,190	28	52,752	$4,958	$2,695	$7,652
Floodlight, 400W	1,884	$90.36	**$96.24**	6.5%	865	1,629,660	$143,964	$78,161	$222,126	865	1,629,660	$153,155	$83,248	$236,403
Shoebox, 400W	1,884	$90.36	**$96.24**	6.5%	29	54,636	$4,827	$2,620	$7,447	29	54,636	$5,135	$2,791	$7,926
POLES/STANDARDS														
Underground Service														
Standards > 16 ft.														
Aluminum - AB - w/davit		$226.20	**$240.84**	6.5%	17	-	$0	$3,845	$3,845	17	-	$0	$4,094	$4,094
Aluminum - AB - square		$496.08	**$528.12**	6.5%	17	-	$0	$8,433	$8,433	17	-	$0	$8,978	$8,978
Standard <= 16 ft														
Fiberglass, AB		$78.48	**$83.52**	6.4%	108	-	$0	$8,476	$8,476	108	-	$0	$9,020	$9,020
Fiberglass, direct embedded		$105.00	**$111.72**	6.4%	69	-	$0	$7,245	$7,245	69	-	$0	$7,709	$7,709
FOUNDATIONS														
Concrete - Cast-In-Place (CIP)														
For AB standard > 16 ft.		$263.64	**$280.68**	6.5%	9	-	$0	$2,373	$2,373	9	-	$0	$2,526	$2,526
Concrete - Pre-Cast (PC)														
for AB standards		$157.56	**$167.76**	6.5%	7	-	$0	$1,103	$1,103	7	-	$0	$1,174	$1,174
CIRCUITRY														
Underground Service														
Cable and conduit, per foot		$2.28	**$2.40**	5.3%	1,732	-	$0	$3,949	$3,949	1,732	-	$0	$4,157	$4,157
Cable only, per foot		$0.36	**$0.36**	0.0%	772	-	$0	$278	$278	772	-	$0	$278	$278
Direct buried cable, per foot		$1.44	**$1.56**	8.3%	6,907	-	$0	$9,946	$9,946	6,907	-	$0	$10,775	$10,775
			Closed Offerings Annual Total:			**13,643,040**	**$1,205,226**	**$824,123**	**$2,029,349**		**13,643,040**	**$1,282,173**	**$877,755**	**$2,159,928**

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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. 1 - Private Lighting (Company Owned and Maintained)

Current T&D rate 0.08834
Proposed T&D rate 0.09398

Ratio LED% to HID %: 52.24%

Target Facility Price Increase: **6.45%**
Target LED Price Increase: **3.37%**

Description	Billed Annual kWh per Lamp (b)	Present Annual Facility Price (c)	Rate Year 1 Annual Facility Price (d)	Percent Change Facility Price (e)	2019 Units Billed (g)	Present Annual Usage (h)	Present Annual T&D Revenue (i)	Present Annual Facility Revenue (j)	Present Annual Total Revenue (k)	FY'20 Fcst Units (l)	Rate Year 1 Annual Usage (m)	Rate Year 1 Annual T&D Revenue (n)	Rate Year 1 Annual Facility Revenue (o)	Rate Year 1 Annual Total Revenue (p)
Obsolete Offerings														
LAMP & LUMINAIRE														
Mercury Vapor														
Floodlight, 400W	1,992	$65.76	**$69.96**	6.4%	49	97,608	$8,623	$3,222	$11,845	49	97,608	$9,173	$3,428	$12,601
Floodlight, 1000W	4,572	$100.20	**$106.68**	6.5%	76	347,472	$30,696	$7,615	$38,311	76	347,472	$32,655	$8,108	$40,763
Roadway, 175W	876	$65.76	**$69.96**	6.4%	1,370	1,200,120	$106,019	$90,091	$196,110	1,370	1,200,120	$112,787	$95,845	$208,632
Roadway, 400W	1,992	$65.76	**$69.96**	6.4%	820	1,633,440	$144,298	$53,923	$198,221	820	1,633,440	$153,511	$57,367	$210,878
Roadway, 1000W	4,572	$141.60	**$150.72**	6.4%	152	694,944	$61,391	$21,523	$82,915	152	694,944	$65,311	$22,909	$88,220
High Pressure Sodium														
Floodlight, 1000W	4,620	$97.44	**$103.68**	6.4%	217	1,002,540	$88,564	$21,144	$109,709	217	1,002,540	$94,219	$22,499	$116,717
Roadway, 1000W	4,620	$135.24	**$144.00**	6.5%	155	716,100	$63,260	$20,962	$84,222	155	716,100	$67,299	$22,320	$89,619
FOUNDATIONS														
Mechanical - Screw Type														
for AB standards		$118.44	**$126.12**	6.5%	126	-	$0	$14,923	$14,923	126	-	$0	$15,891	$15,891
			Obsolete Offerings Annual Total:			**5,692,224**	**$502,851**	**$233,405**	**$736,256**		**5,692,224**	**$534,955**	**$248,367**	**$783,322**
			S.C. 1 Annual Grand Total:			**19,657,644**	**$1,736,556**	**$1,631,856**	**$3,368,412**		**19,657,644**	**$1,847,425**	**$1,734,611**	**$3,582,036**
											TARGET	$1,847,410	$1,734,107	$3,581,518
											PROPOSED MINUS TARGET	$15	$503	$518

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Electric Rate Design Panel

Exhibit __ (E-RDP-8CU)

Lighting Tariff Rate Design

Rate Year Revenue at Present and Proposed Rates
(Service Classification No. 2)

Schedule 3

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. 2 - Private Lighting (Company Owned and Maintained)

Current T&D rate 0.08834
Proposed T&D rate 0.09398

Ratio LED% to HID %: 52.24%

Target Facility Price Increase: **6.45%**
Target LED Price Increase: **3.37%**

Description	Average Monthly Burn Hours (b)	Present Annual Facility Price (c)	**Rate Year 1 Annual Facility Price (d)**	Percent Change Facility Price (e)	2019 Units Billed (g)	Present Annual Usage (h)	Present Annual T&D Revenue (i)	Present Annual Facility Revenue (j)	Present Annual Total Revenue (k)	FY'20 Fcst Units (l)	Rate Year 1 Annual Usage (m)	Rate Year 1 Annual T&D Revenue (n)	Rate Year 1 Annual Facility Revenue (o)	Rate Year 1 Annual Total Revenue (p)
Standard Offerings														
LAMP & LUMINAIRE														
LED														
LL Roadway LED-B	347.50	$84.48	**$87.36**	3.4%	12,794	1,333,775	$117,826	$1,080,837	$1,198,663	12,794	1,333,775	$125,348	$1,117,684	$1,243,032
24 HR - LL Roadway LED-B	730.00	$177.48	**$183.48**	3.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Roadway LED-C	347.50	$89.28	**$92.28**	3.4%	3,812	763,010	$67,404	$340,335	$407,740	3,812	763,010	$71,708	$351,771	$423,479
24 HR - LL Roadway LED-C	730.00	$187.56	**$193.92**	3.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Roadway LED-D	347.50	$111.12	**$114.84**	3.3%	2,760	1,104,883	$97,605	$306,691	$404,297	2,760	1,104,883	$103,837	$316,958	$420,795
24 HR - LL Roadway LED-D	730.00	$233.40	**$241.32**	3.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Roadway LED-F	347.50	$120.12	**$124.20**	3.4%	315	275,846	$24,368	$37,838	$62,206	315	275,846	$25,924	$39,123	$65,047
24 HR - LL Roadway LED-F	730.00	$252.36	**$260.88**	3.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Floodlight LED-E	347.50	$81.73	**$84.48**	3.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Floodlight LED-F	347.50	$88.78	**$91.80**	3.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Arbordale LED-C	347.50	$78.49	**$81.12**	3.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Arbordale LED-D	347.50	$64.89	**$67.08**	3.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Arbordale LED-E	347.50	$84.06	**$86.88**	3.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Arbordale LED-F	347.50	$109.14	**$112.80**	3.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Carriage LED-B	347.50	$67.81	**$70.08**	3.3%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Carriage LED-C	347.50	$63.23	**$65.40**	3.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Highland Pk LED-B	347.50	$96.27	**$99.48**	3.3%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Highland Pk LED-C	347.50	$103.64	**$107.16**	3.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Oxford LED-B	347.50	$76.09	**$78.60**	3.3%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Oxford LED-C	347.50	$93.69	**$96.84**	3.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Princeton LED-B	347.50	$83.11	**$85.92**	3.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Princeton LED-C	347.50	$84.63	**$87.48**	3.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Westminster LED-D	347.50	$252.57	**$261.12**	3.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Westminster LED-E	347.50	$331.74	**$342.96**	3.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Westminster LED-F	347.50	$368.52	**$380.88**	3.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Westmin Ped LED-B	347.50	$189.58	**$195.96**	3.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
LL Westmin Ped LED-C	347.50	$247.69	**$256.08**	3.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
		LED Lamp & Luminaire Annual Total:				**3,477,513**	**$307,204**	**$1,765,701**	**$2,072,905**		**3,477,513**	**$326,817**	**$1,825,537**	**$2,152,353**
LAMPS														
High Pressure Sodium														
70W	347.50	$8.28	**$8.76**	5.8%	37,849	13,573,408	$1,199,075	$313,390	$1,512,465	37,849	13,573,408	$1,275,629	$331,557	$1,607,186
24 HR - 70W	730.00	$16.56	**$17.52**	5.8%	-	-	$0	$0	$0	-	-	$0	$0	$0
100W	347.50	$8.28	**$8.76**	5.8%	64,239	31,609,442	$2,792,378	$531,899	$3,324,277	64,239	31,609,442	$2,970,655	$562,734	$3,533,389
24 HR - 100W	730.00	$16.56	**$17.52**	5.8%	40	41,347	$3,653	$662	$4,315	40	41,347	$3,886	$701	$4,587
150W	347.50	$8.28	**$8.76**	5.8%	30,666	22,122,759	$1,954,325	$253,914	$2,208,239	30,666	22,122,759	$2,079,097	$268,634	$2,347,731
24 HR - 150W	730.00	$16.56	**$17.52**	5.8%	57	86,382	$7,631	$944	$8,575	57	86,382	$8,118	$999	$9,117
250W	347.50	$8.28	**$8.76**	5.8%	18,775	23,800,692	$2,102,553	$155,457	$2,258,010	18,775	23,800,692	$2,236,789	$164,469	$2,401,258
24 HR - 250W	730.00	$16.56	**$17.52**	5.8%	109	290,271	$25,643	$1,805	$27,448	109	290,271	$27,280	$1,910	$29,189
400W	347.50	$8.28	**$8.76**	5.8%	4,116	8,066,948	$712,634	$34,080	$746,715	4,116	8,066,948	$758,132	$36,056	$794,188
24 HR - 400W	730.00	$16.56	**$17.52**	5.8%	-	-	$0	$0	$0	-	-	$0	$0	$0
Metal Halide														
175W	347.50	$56.76	**$60.48**	6.6%	2,275	1,963,757	$173,478	$129,129	$302,607	2,275	1,963,757	$184,554	$137,592	$322,146
250W	347.50	$56.76	**$60.48**	6.6%	290	356,744	$31,515	$16,460	$47,975	290	356,744	$33,527	$17,539	$51,066
400W	347.50	$56.76	**$60.48**	6.6%	648	1,218,674	$107,658	$36,780	$144,438	648	1,218,674	$114,531	$39,191	$153,722

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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. 2 - Private Lighting (Company Owned and Maintained)

Current T&D rate 0.08834
Proposed T&D rate 0.09398

Ratio LED% to HID %: 52.24%

Target Facility Price Increase: **6.45%**
Target LED Price Increase: **3.37%**

Description	Average Monthly Burn Hours (b)	Present Annual Facility Price (c)	**Rate Year 1 Annual Facility Price (d)**	Percent Change Facility Price (e)	2019 Units Billed (g)	Present Annual Usage (h)	Present Annual T&D Revenue (i)	Present Annual Facility Revenue (j)	Present Annual Total Revenue (k)	FY'20 Fcst Units (l)	Rate Year 1 Annual Usage (m)	Rate Year 1 Annual T&D Revenue (n)	Rate Year 1 Annual Facility Revenue (o)	Rate Year 1 Annual Total Revenue (p)
Standard Offerings (continued)														
LUMINAIRES														
Setback 250		$113.28	**$120.60**	6.5%	5	-	$0	$566	$566	5	-	$0	$603	$603
Setback 400		$113.28	**$120.60**	6.5%	-	-	$0	$0	$0	-	-	$0	$0	$0
Underpass 70		$84.12	**$89.52**	6.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
Underpass 100		$84.12	**$89.52**	6.4%	247	-	$0	$20,778	$20,778	247	-	$0	$22,111	$22,111
Underpass 150		$84.12	**$89.52**	6.4%	126	-	$0	$10,599	$10,599	126	-	$0	$11,280	$11,280
Underpass 175		$84.12	**$89.52**	6.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
POLES/STANDARDS														
Standard/Pole > 16 ft - OH Service														
Concrete , DE - Metropolitan		$276.96	**$294.84**	6.5%	40	-	$0	$11,078	$11,078	40	-	$0	$11,794	$11,794
WoodPole		$0.00	**$0.00**	0.0%	555	-	$0	$0	$0	555	-	$0	$0	$0
POLES/STANDARDS														
Standard > 16 ft for UG or URD Service														
Aluminum, anchor base		$261.96	**$278.88**	6.5%	1,924	-	$0	$504,011	$504,011	1,924	-	$0	$536,565	$536,565
Aluminum, anchor base, heavy duty		$261.96	**$278.88**	6.5%	17	-	$0	$4,453	$4,453	17	-	$0	$4,741	$4,741
Aluminum, anchor base, square		$523.80	**$557.64**	6.5%	472	-	$0	$247,234	$247,234	472	-	$0	$263,206	$263,206
Fiberglass, anchor base		$176.88	**$188.28**	6.4%	164	-	$0	$29,008	$29,008	164	-	$0	$30,878	$30,878
Standard <= 16 ft for UG or URD Service														
Aluminum, anchor base, Villager		$114.48	**$121.92**	6.5%	784	-	$0	$89,752	$89,752	784	-	$0	$95,585	$95,585
Fiberglass, anchor base		$68.76	**$73.20**	6.5%	1,660	-	$0	$114,142	$114,142	1,660	-	$0	$121,512	$121,512
Fiberglass, direct embedded		$94.68	**$100.80**	6.5%	6,485	-	$0	$614,000	$614,000	6,485	-	$0	$653,688	$653,688
Decorative Standard > 16 ft, for UG Service														
Alum. AB Niagara Rdwy (no base)		$663.84	**$706.68**	6.5%	92	-	$0	$61,073	$61,073	92	-	$0	$65,015	$65,015
Decorative Standard <= 16 ft, for UG or URD Service														
Aluminum, AB, Armory Square		$343.56	**$365.76**	6.5%	238	-	$0	$81,767	$81,767	238	-	$0	$87,051	$87,051
Fiberglass, AB, Presidential		$160.44	**$170.76**	6.4%	1,530	-	$0	$245,473	$245,473	1,530	-	$0	$261,263	$261,263
Accessory														
Tenon mounting adaptor		$44.40	**$47.28**	6.5%	-	-	$0	$0	$0	-	-	$0	$0	$0
ARMS AND BRACKETS														
Arm for Standard > 16ft														
ecorative, Niagara Pedestrian, single		$193.56	**$206.04**	6.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
Arm for Standard <= 16ft														
Dcr. crossarm, double, ornamental		$105.00	**$111.72**	6.4%	153	-	$0	$16,065	$16,065	153	-	$0	$17,093	$17,093
Dcr. crossarm, double, ornamental		$105.00	**$111.72**	6.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
cr. crossarm, double, contemporary		$105.00	**$111.72**	6.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
Bracket for Wood Pole														
decorative, Park Ave South, single		$108.00	**$114.96**	6.4%	89	-	$0	$9,612	$9,612	89	-	$0	$10,231	$10,231
décor., Metropolitan, all types/sizes		$72.00	**$76.68**	6.5%	-	-	$0	$0	$0	-	-	$0	$0	$0

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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. 2 - Private Lighting (Company Owned and Maintained)

Current T&D rate	0.08834		*Target Facility Price Increase:*	**6.45%**
Proposed T&D rate	0.09398	*Ratio LED% to HID %:* 52.24%	*Target LED Price Increase:*	**3.37%**

Description	Average Monthly Burn Hours (b)	Present Annual Facility Price (c)	**Rate Year 1 Annual Facility Price (d)**	Percent Change Facility Price (e)	2019 Units Billed (g)	Present Annual Usage (h)	Present Annual T&D Revenue (i)	Present Annual Facility Revenue (j)	Present Annual Total Revenue (k)	FY'20 Fcst Units (l)	Rate Year 1 Annual Usage (m)	Rate Year 1 Annual T&D Revenue (n)	Rate Year 1 Annual Facility Revenue (o)	Rate Year 1 Annual Total Revenue (p)
Standard Offerings (continued)														
BASES														
Decorative Niagara Base		$295.32	**$314.40**	6.5%	-	-	$0	$0	$0	-	-	$0	$0	$0
Decorative Metropolitan Base		$155.04	**$165.00**	6.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
FOUNDATIONS														
Concrete - Cast-In-Place - for:														
AB SD > 16 ft		$220.80	**$235.08**	6.5%	7,997	-	$0	$1,765,738	$1,765,738	7,997	-	$0	$1,879,935	$1,879,935
AB SD > 16 ft, heavy duty		$220.80	**$235.08**	6.5%	144	-	$0	$31,795	$31,795	144	-	$0	$33,852	$33,852
AB SD <= 16 ft		$220.80	**$235.08**	6.5%	4,842	-	$0	$1,069,114	$1,069,114	4,842	-	$0	$1,138,257	$1,138,257
AB SD > 16 ft, extra heavy duty		$220.80	**$235.08**	6.5%	10	-	$0	$2,208	$2,208	10	-	$0	$2,351	$2,351
FD Conc Foundation		$220.80	**$235.08**	6.5%	-	-	$0	$0	$0	-	-	$0	$0	$0
Concrete - Pre-Cast														
for anchor base standard > 16 ft		$220.80	**$235.08**	6.5%	255	-	$0	$56,304	$56,304	255	-	$0	$59,945	$59,945
for anchor base standard <= 16 ft		$220.80	**$235.08**	6.5%	362	-	$0	$79,930	$79,930	362	-	$0	$85,099	$85,099
CIRCUITRY														
UG Service														
cable and conduit		$121.08	**$128.88**	6.4%	11,918	-	$0	$1,443,031	$1,443,031	11,918	-	$0	$1,535,992	$1,535,992
cable only		$121.08	**$128.88**	6.4%	13,264	-	$0	$1,606,005	$1,606,005	13,264	-	$0	$1,709,464	$1,709,464
direct buried cable		$121.08	**$128.88**	6.4%	5,004	-	$0	$605,884	$605,884	5,004	-	$0	$644,916	$644,916
CR UG Circuit sect		$121.08	**$128.88**	6.4%	-	-	$0	$0	$0	-	-	$0	$0	$0
URD Service														
direct buried cable		$90.24	**$96.12**	6.5%	12,502	-	$0	$1,128,180	$1,128,180	12,502	-	$0	$1,201,692	$1,201,692
CR URD Circuit sect		$90.24	**$96.12**	6.5%	-	-	$0	$0	$0	-	-	$0	$0	$0
CONVENIENCE OUTLETS														
On New Metal/Composite Stnd		$54.72	**$58.20**	6.4%	912	-	$0	$49,905	$49,905	912	-	$0	$53,078	$53,078
On Existing Metal/Composite Stnd		$54.72	**$58.20**	6.4%	295	-	$0	$16,142	$16,142	295	-	$0	$17,169	$17,169
On Any Wood Pole		$54.72	**$58.20**	6.4%	809	-	$0	$44,268	$44,268	809	-	$0	$47,084	$47,084
			Standard Offering Annual Total:			**106,607,939**	**$9,417,745**	**$13,198,341**	**$22,616,086**		**106,607,939**	**$10,019,014**	**$13,988,368**	**$24,007,382**

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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. 2 - Private Lighting (Company Owned and Maintained)

Current T&D rate	0.08834		*Target Facility Price Increase:*	**6.45%**
Proposed T&D rate	0.09398	*Ratio LED% to HID %:* 52.24%	*Target LED Price Increase:*	**3.37%**

Description	Average Monthly Burn Hours (b)	Present Annual Facility Price (c)	**Rate Year 1 Annual Facility Price (d)**	Percent Change Facility Price (e)	2019 Units Billed (g)	Present Annual Usage (h)	Present Annual T&D Revenue (i)	Present Annual Facility Revenue (j)	Present Annual Total Revenue (k)	FY'20 Fcst Units (l)	Rate Year 1 Annual Usage (m)	Rate Year 1 Annual T&D Revenue (n)	Rate Year 1 Annual Facility Revenue (o)	Rate Year 1 Annual Total Revenue (p)
Closed Offerings														
LAMPS														
High Pressure Sodium														
1000W	347.50	$16.68	**$17.76**	6.5%	109	502,710	$44,409	$1,818	$46,228	109	502,710	$47,245	$1,936	$49,181
Metal Halide														
1000W	347.50	$56.76	**$60.48**	6.6%	2	8,991	$794	$114	$908	2	8,991	$845	$121	$966
LAMP & LUMINAIRE														
HPS 1000W High-Mast (6 unit)	347.50	$1,039.80	**$1,106.88**	6.5%	1	27,672	$2,445	$1,040	$3,484	1	27,672	$2,601	$1,107	$3,708
LUMINAIRES														
Aspen Grove 70		$103.08	**$109.68**	6.4%	3,334	-	$0	$343,669	$343,669	3,334	-	$0	$365,673	$365,673
Aspen Grove 100		$103.08	**$109.68**	6.4%	6,556	-	$0	$675,792	$675,792	6,556	-	$0	$719,062	$719,062
Aspen Grove 150		$103.08	**$109.68**	6.4%	2,004	-	$0	$206,572	$206,572	2,004	-	$0	$219,799	$219,799
Aspen Grove 175		$103.08	**$109.68**	6.4%	282	-	$0	$29,069	$29,069	282	-	$0	$30,930	$30,930
Central Park 100		$125.88	**$134.04**	6.5%	1,144	-	$0	$144,007	$144,007	1,144	-	$0	$153,342	$153,342
Central Park 175		$125.88	**$134.04**	6.5%	891	-	$0	$112,159	$112,159	891	-	$0	$119,430	$119,430
Coach 70		$74.76	**$79.56**	6.4%	1,736	-	$0	$129,783	$129,783	1,736	-	$0	$138,116	$138,116
Coach 100		$74.76	**$79.56**	6.4%	1,452	-	$0	$108,552	$108,552	1,452	-	$0	$115,521	$115,521
Coach 150		$74.76	**$79.56**	6.4%	137	-	$0	$10,242	$10,242	137	-	$0	$10,900	$10,900
Coach 175		$74.76	**$79.56**	6.4%	18	-	$0	$1,346	$1,346	18	-	$0	$1,432	$1,432
Delaware Park 150		$204.12	**$217.32**	6.5%	44	-	$0	$8,981	$8,981	44	-	$0	$9,562	$9,562
Delaware Park 175		$204.12	**$217.32**	6.5%	241	-	$0	$49,193	$49,193	241	-	$0	$52,374	$52,374
Delaware Park 250		$252.12	**$268.44**	6.5%	817	-	$0	$205,982	$205,982	817	-	$0	$219,315	$219,315
Delaware Park 400		$252.12	**$268.44**	6.5%	736	-	$0	$185,560	$185,560	736	-	$0	$197,572	$197,572
Delaware Park Pedestrian 100		$172.80	**$183.96**	6.5%	63	-	$0	$10,886	$10,886	63	-	$0	$11,589	$11,589
Delaware Park Pedestrian 175		$172.80	**$183.96**	6.5%	13	-	$0	$2,246	$2,246	13	-	$0	$2,391	$2,391
Edgewater 100		$137.76	**$146.64**	6.4%	125	-	$0	$17,220	$17,220	125	-	$0	$18,330	$18,330
Edgewater 150		$137.76	**$146.64**	6.4%	512	-	$0	$70,533	$70,533	512	-	$0	$75,080	$75,080
Edgewater 175		$137.76	**$146.64**	6.4%	136	-	$0	$18,735	$18,735	136	-	$0	$19,943	$19,943
Edison 70		$80.76	**$85.92**	6.4%	121	-	$0	$9,772	$9,772	121	-	$0	$10,396	$10,396
Edison 100		$80.76	**$85.92**	6.4%	577	-	$0	$46,599	$46,599	577	-	$0	$49,576	$49,576
Edison 150		$80.76	**$85.92**	6.4%	141	-	$0	$11,387	$11,387	141	-	$0	$12,115	$12,115
Floodlight 250		$61.80	**$65.76**	6.4%	238	-	$0	$14,708	$14,708	238	-	$0	$15,651	$15,651
Floodlight 400		$61.80	**$65.76**	6.4%	250	-	$0	$15,450	$15,450	250	-	$0	$16,440	$16,440

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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. 2 - Private Lighting (Company Owned and Maintained)

Current T&D rate 0.08834
Proposed T&D rate 0.09398

Ratio LED% to HID %: 52.24%

Target Facility Price Increase: **6.45%**
Target LED Price Increase: **3.37%**

Description	Average Monthly Burn Hours (b)	Present Annual Facility Price (c)	**Rate Year 1 Annual Facility Price (d)**	Percent Change Facility Price (e)	2019 Units Billed (g)	Present Annual Usage (h)	Present Annual T&D Revenue (i)	Present Annual Facility Revenue (j)	Present Annual Total Revenue (k)	FY'20 Fcst Units (l)	Rate Year 1 Annual Usage (m)	Rate Year 1 Annual T&D Revenue (n)	Rate Year 1 Annual Facility Revenue (o)	Rate Year 1 Annual Total Revenue (p)
Closed Offerings (continued)														
LAMPS														
Little Falls - Post Top, 70		$129.48	**$137.88**	6.5%	94	-	$0	$12,171	$12,171	94	-	$0	$12,961	$12,961
Little Falls - Teardrop, 70		$158.76	**$168.96**	6.4%	79	-	$0	$12,542	$12,542	79	-	$0	$13,348	$13,348
Roadway 70		$57.12	**$60.84**	6.5%	30,728	-	$0	$1,755,183	$1,755,183	30,728	-	$0	$1,869,492	$1,869,492
Roadway 100		$57.12	**$60.84**	6.5%	49,591	-	$0	$2,832,638	$2,832,638	49,591	-	$0	$3,017,116	$3,017,116
Roadway 150		$57.12	**$60.84**	6.5%	26,888	-	$0	$1,535,843	$1,535,843	26,888	-	$0	$1,635,866	$1,635,866
Roadway 175		$57.12	**$60.84**	6.5%	854	-	$0	$48,780	$48,780	854	-	$0	$51,957	$51,957
Roadway 250		$57.12	**$60.84**	6.5%	17,809	-	$0	$1,017,250	$1,017,250	17,809	-	$0	$1,083,500	$1,083,500
Roadway 400		$57.12	**$60.84**	6.5%	3,979	-	$0	$227,280	$227,280	3,979	-	$0	$242,082	$242,082
Roadway, 1000		$129.24	**$137.52**	6.4%	96	-	$0	$12,407	$12,407	96	-	$0	$13,202	$13,202
Shoebox 100		$68.04	**$72.48**	6.5%	4	-	$0	$272	$272	4	-	$0	$290	$290
Shoebox 150		$68.04	**$72.48**	6.5%	410	-	$0	$27,896	$27,896	410	-	$0	$29,717	$29,717
Shoebox 250		$68.04	**$72.48**	6.5%	181	-	$0	$12,315	$12,315	181	-	$0	$13,119	$13,119
Shoebox 400		$68.04	**$72.48**	6.5%	79	-	$0	$5,375	$5,375	79	-	$0	$5,726	$5,726
Shoebox, 1000		$154.68	**$164.64**	6.4%	16	-	$0	$2,475	$2,475	16	-	$0	$2,634	$2,634
Traditional 70		$50.40	**$53.64**	6.4%	1,570	-	$0	$79,128	$79,128	1,570	-	$0	$84,215	$84,215
Traditional 100		$50.40	**$53.64**	6.4%	4,598	-	$0	$231,739	$231,739	4,598	-	$0	$246,637	$246,637
Traditional 150		$50.40	**$53.64**	6.4%	239	-	$0	$12,046	$12,046	239	-	$0	$12,820	$12,820
Traditional 175		$50.40	**$53.64**	6.4%	92	-	$0	$4,637	$4,637	92	-	$0	$4,935	$4,935
Underpass 250		$84.12	**$89.52**	6.4%	64	-	$0	$5,384	$5,384	64	-	$0	$5,729	$5,729
Washington (Armory Square) 100		$137.16	**$146.04**	6.5%	106	-	$0	$14,539	$14,539	106	-	$0	$15,480	$15,480
Williamsville 70		$118.20	**$125.88**	6.5%	114	-	$0	$13,475	$13,475	114	-	$0	$14,350	$14,350
Williamsville 100		$118.20	**$125.88**	6.5%	130	-	$0	$15,366	$15,366	130	-	$0	$16,364	$16,364
Williamsville 150		$118.20	**$125.88**	6.5%	93	-	$0	$10,993	$10,993	93	-	$0	$11,707	$11,707
Williamsville 175		$118.20	**$125.88**	6.5%	656	-	$0	$77,539	$77,539	656	-	$0	$82,577	$82,577
POLES/STANDARDS														
Standard <= 16 ft for UG or URD Service														
aluminum, anchor base (square)		$143.52	**$152.76**	6.4%	65	-	$0	$9,329	$9,329	65	-	$0	$9,929	$9,929
Decorative Standard <= 16 ft, for UG or URD Service														
aluminum, AB, Little Falls		$202.56	**$215.64**	6.5%	111	-	$0	$22,484	$22,484	111	-	$0	$23,936	$23,936
ARMS AND BRACKETS														
Arm for Standard <= 16ft														
Dcr. (cane/scroll), alum., Little Falls		$113.28	**$120.60**	6.5%	72	-	$0	$8,156	$8,156	72	-	$0	$8,683	$8,683
			Closed Offering Annual Total:			**539,373**	**$47,648**	**$10,438,659**	**$10,486,307**		**539,373**	**$50,690**	**$11,116,076**	**$11,166,766**

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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. 2 - Private Lighting (Company Owned and Maintained)

Current T&D rate 0.08834
Proposed T&D rate 0.09398

Ratio LED% to HID %: 52.24%

Target Facility Price Increase: **6.45%**
Target LED Price Increase: **3.37%**

Description	Average Monthly Burn Hours (b)	Present Annual Facility Price (c)	**Rate Year 1 Annual Facility Price (d)**	Percent Change Facility Price (e)	2019 Units Billed (g)	Present Annual Usage (h)	Present Annual T&D Revenue (i)	Present Annual Facility Revenue (j)	Present Annual Total Revenue (k)	FY'20 Fcst Units (l)	Rate Year 1 Annual Usage (m)	Rate Year 1 Annual T&D Revenue (n)	Rate Year 1 Annual Facility Revenue (o)	Rate Year 1 Annual Total Revenue (p)
Obsolete Offerings														
LAMP & LUMINAIRE														
Incandescent < 2500 lumen, Std	347.50	$99.24	**$105.60**	6.4%	1	842	$74	$99	$174	1	842	$79	$106	$185
Incandescent 4000 lumen, Enclosed	347.50	$102.36	**$108.96**	6.4%	3	4,091	$361	$307	$668	3	4,091	$384	$327	$711
MV 100W Open Reflector	347.50	$89.64	**$95.40**	6.4%	24	13,010	$1,149	$2,151	$3,301	24	13,010	$1,223	$2,290	$3,512
LAMPS														
Mercury Vapor														
100W	347.50	$7.08	**$7.56**	6.8%	341	184,856	$16,330	$2,414	$18,744	341	184,856	$17,373	$2,578	$19,951
175W	347.50	$7.08	**$7.56**	6.8%	995	875,471	$77,339	$7,045	$84,384	995	875,471	$82,277	$7,522	$89,799
400W	347.50	$7.08	**$7.56**	6.8%	270	537,054	$47,443	$1,912	$49,355	270	537,054	$50,472	$2,041	$52,514
1000W	347.50	$13.32	**$14.16**	6.3%	2	9,132	$807	$27	$833	2	9,132	$858	$28	$887
LUMINAIRES														
Contemporary 70		$79.32	**$84.48**	6.5%	127	-	$0	$10,074	$10,074	127	-	$0	$10,729	$10,729
Contemporary 100		$79.32	**$84.48**	6.5%	136	-	$0	$10,788	$10,788	136	-	$0	$11,489	$11,489
Contemporary 150		$79.32	**$84.48**	6.5%	17	-	$0	$1,348	$1,348	17	-	$0	$1,436	$1,436
Contemporary 175		$79.32	**$84.48**	6.5%	23	-	$0	$1,824	$1,824	23	-	$0	$1,943	$1,943
Floodlight 1000		$61.80	**$65.76**	6.4%	1	-	$0	$62	$62	1	-	$0	$66	$66
POLES/STANDARDS														
Standard/Pole > 16 ft - OH Service														
Steel, anchor base		$182.64	**$194.40**	6.4%	670	-	$0	$122,369	$122,369	670	-	$0	$130,248	$130,248
aluminum, anchor base		$182.64	**$194.40**	6.4%	172	-	$0	$31,414	$31,414	172	-	$0	$33,437	$33,437
Standard > 16 ft for UG or URD Service														
steel, anchor base (50 ft round)		$331.56	**$352.92**	6.4%	8	-	$0	$2,652	$2,652	8	-	$0	$2,823	$2,823
steel, anchor base (35 ft square)		$188.04	**$200.16**	6.4%	13	-	$0	$2,445	$2,445	13	-	$0	$2,602	$2,602
steel, anchor base		$261.96	**$278.88**	6.5%	1,600	-	$0	$419,136	$419,136	1,600	-	$0	$446,208	$446,208
steel, anchor base, heavy duty		$261.96	**$278.88**	6.5%	14	-	$0	$3,667	$3,667	14	-	$0	$3,904	$3,904
Standard <= 16 ft for UG or URD Service														
steel, anchor base		$114.48	**$121.92**	6.5%	4,321	-	$0	$494,668	$494,668	4,321	-	$0	$526,816	$526,816
steel, direct embedded		$135.00	**$143.76**	6.5%	2,353	-	$0	$317,655	$317,655	2,353	-	$0	$338,267	$338,267
Decorative Standard <= 16 ft, for UG or URD Service														
cast iron, AB, Armory Square		$381.84	**$406.44**	6.4%	45	-	$0	$17,183	$17,183	45	-	$0	$18,290	$18,290
Fiberglass, DE, Presidential		$235.56	**$250.80**	6.5%	108	-	$0	$25,440	$25,440	108	-	$0	$27,086	$27,086
FOUNDATIONS														
Mechanical - Screw Type														
for AB standards, all applications		$112.80	**$120.12**	6.5%	8,945	-	$0	$1,008,996	$1,008,996	8,945	-	$0	$1,074,473	$1,074,473
CONVENIENCE OUTLETS														
Festoon Outlet - Old		$5.52	**$5.88**	6.5%	44	-	$0	$243	$243	44	-	$0	$259	$259
			Obsolete Offering Annual Total:			**1,624,457**	**$143,505**	**$2,483,919**	**$2,627,424**		**1,624,457**	**$152,666**	**$2,644,969**	**$2,797,636**
			S.C. 2 Annual Grand Total:			**108,771,769**	**$9,608,898**	**$26,120,918**	**$35,729,816**		**108,771,769**	**$10,222,371**	**$27,749,413**	**$37,971,784**
											TARGET	$10,222,288	$27,751,328	$37,973,616
											PROPOSED MINUS TARGET	$83	-$1,915	-$1,832

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Electric Rate Design Panel

Exhibit __ (E-RDP-8CU)

Lighting Tariff Rate Design

Rate Year Revenue at Present and Proposed Rates
(Service Classification No. 2 – Facilities With Price Exceptions)

Schedule 4

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

Current T&D rate: 0.08834
Proposed T&D rate: 0.09398

Average Increase: **14.00%**

Customer	Billcode Description	Billed Watts per Lamp (a)	Present Retail Annual Price (b)	Present PE Annual Price (c)	Rate Year 1 Discount Retail vs. PE Price (d)	**Rate Year 1 Annual Facility Price (e)**	Percent Change Facility Price (g)	2019 Units Billed (h)	Present Annual Usage (i)	Present Annual T&D Revenue (j)	Present Annual Facility Revenue (k)	Present Annual Total Revenue (l)	FY'20 Fcst Units (m)	Rate Year 1 Annual Usage (n)	Rate Year 1 Annual T&D Revenue (o)	Rate Year 1 Annual Facility Revenue (p)	Rate Year 1 Annual Total Revenue (q)
AMHERST CENTRAL SCHOOL DIST	FD Concrete >16'		$220.80	$73.20	-66.8%	**$87.96**	20.2%	4	-	$0	$293	$293	4	-	$0	$352	$352
AMHERST CENTRAL SCHOOL DIST	CR UG Cable & Cndt		$121.08	$115.08	-5.0%	**$115.68**	0.5%	4	-	$0	$460	$460	4	-	$0	$463	$463
								Subtotal:	-	$0	$753	$753	Subtotal:	-	$0	$815	$815
TOWN OF AMHERST	FD Concrete >16'		$220.80	$32.28	-85.4%	**$51.12**	58.4%	437	-	$0	$14,106	$14,106	437	-	$0	$22,339	$22,339
TOWN OF AMHERST	CR UG Cable & Cndt		$121.08	$85.80	-29.1%	**$89.28**	4.1%	442	-	$0	$37,924	$37,924	442	-	$0	$39,462	$39,462
TOWN OF AMHERST	CR UG Cable & Cndt		$121.08	$75.84	-37.4%	**$80.40**	6.0%	735	-	$0	$55,742	$55,742	735	-	$0	$59,094	$59,094
TOWN OF AMHERST	CR UG Cable Only		$121.08	$18.72	-84.5%	**$28.92**	54.5%	36	-	$0	$674	$674	36	-	$0	$1,041	$1,041
								Subtotal:	-	$0	$108,446	$108,446 #	Subtotal:	-	$0	$121,936	$121,936
CITY OF BUFFALO	FD Concrete >16'		$220.80	$37.32	-83.1%	**$55.68**	49.2%	509	-	$0	$18,996	$18,996	509	-	$0	$28,341	$28,341
CITY OF BUFFALO	CR UG Cable & Cndt		$121.08	$58.56	-51.6%	**$64.80**	10.7%	521	-	$0	$30,510	$30,510	521	-	$0	$33,761	$33,761
CITY OF BUFFALO	FD Concrete =<16'		$220.80	$36.00	-83.7%	**$54.48**	51.3%	16	-	$0	$576	$576	16	-	$0	$872	$872
CITY OF BUFFALO	CR UG Cable & Cndt		$121.08	$95.76	-20.9%	**$98.28**	2.6%	16	-	$0	$1,532	$1,532	16	-	$0	$1,572	$1,572
CITY OF BUFFALO	FD Concrete >16'		$220.80	$61.08	-72.3%	**$77.04**	26.1%	110	-	$0	$6,719	$6,719	110	-	$0	$8,474	$8,474
CITY OF BUFFALO	CR UG Cable & Cndt		$121.08	$95.88	-20.8%	**$98.40**	2.6%	110	-	$0	$10,547	$10,547	110	-	$0	$10,824	$10,824
CITY OF BUFFALO	CR UG Cable & Cndt		$121.08	$47.52	-60.8%	**$54.84**	15.4%	2,221	-	$0	$105,542	$105,542	2,221	-	$0	$121,800	$121,800
CITY OF BUFFALO	CR UG Cable & Cndt		$121.08	$101.64	-16.1%	**$103.56**	1.9%	1,138	-	$0	$115,666	$115,666	1,138	-	$0	$117,851	$117,851
CITY OF BUFFALO	FD Concrete =<16'		$220.80	$29.40	-86.7%	**$48.60**	65.3%	19	-	$0	$559	$559	19	-	$0	$923	$923
CITY OF BUFFALO	FD Concrete >16'		$220.80	$54.00	-75.5%	**$70.68**	30.9%	989	-	$0	$53,406	$53,406	989	-	$0	$69,903	$69,903
CITY OF BUFFALO	FD Concrete >16'		$220.80	$48.24	-78.2%	**$65.52**	35.8%	586	-	$0	$28,269	$28,269	586	-	$0	$38,395	$38,395
CITY OF BUFFALO	FD Concrete =<16'		$220.80	$14.64	-93.4%	**$35.28**	141.0%	9	-	$0	$132	$132	9	-	$0	$318	$318
CITY OF BUFFALO	CR UG Cable & Cndt		$121.08	$36.72	-69.7%	**$45.12**	22.9%	10	-	$0	$367	$367	10	-	$0	$451	$451
CITY OF BUFFALO PRKS&REC	CR UG Cable & Cndt		$121.08	$47.52	-60.8%	**$54.84**	15.4%	9	-	$0	$428	$428	9	-	$0	$494	$494
								Subtotal:	-	$0	$323,742	$323,742	Subtotal:	-	$0	$371,876	$371,876
CITY OF SCHENECTADY	LL Enclosed IN <2500	202	$99.24	$45.48	-54.2%	**$50.88**	11.9%	24	20,217	$1,786	$1,092	$2,877	24	20,217	$1,900	$1,221	$3,121
CITY OF SCHENECTADY	SD Steel =<16' AB PT		$114.48	$25.08	-78.1%	**$34.08**	35.9%	24	-	$0	$602	$602	24	-	$0	$818	$818
CITY OF SCHENECTADY	FD Concrete =<16'		$220.80	$35.76	-83.8%	**$54.24**	51.7%	24	-	$0	$858	$858	24	-	$0	$1,302	$1,302
CITY OF SCHENECTADY	CR UG Cable & Cndt		$121.08	$95.76	-20.9%	**$98.28**	2.6%	24	-	$0	$2,298	$2,298	24	-	$0	$2,359	$2,359
								Subtotal:	20,217	$1,786	$4,850	$6,636	Subtotal:	20,217	$1,900	$5,700	$7,600
TOWN OF QUEENSBURY	SD Steel =<16' AB PT		$114.48	$33.24	-71.0%	**$41.40**	24.5%	26	-	$0	$864	$864	26	-	$0	$1,076	$1,076
TOWN OF QUEENSBURY	FD Concrete =<16'		$220.80	$47.64	-78.4%	**$64.92**	36.3%	26	-	$0	$1,239	$1,239	26	-	$0	$1,688	$1,688
TOWN OF QUEENSBURY	CR UG Cable & Cndt		$121.08	$127.08	5.0%	**$126.48**	-0.5%	26	-	$0	$3,304	$3,304	26	-	$0	$3,288	$3,288
								Subtotal:	-	$0	$5,407	$5,407	Subtotal:	-	$0	$6,053	$6,053
VILLAGE OF KENMORE	CR UG Cable & Cndt		$121.08	$50.76	-58.1%	**$57.84**	13.9%	999	-	$0	$50,709	$50,709	999	-	$0	$57,782	$57,782
VILLAGE OF KINDERHOOK	LL Open IN 1000	103	$95.64	$95.64	0.0%	**$95.64**	0.0%	16	6,873	$607	$1,530	$2,137	16	6,873	$646	$1,530	$2,176
VILLAGE OF KINDERHOOK	LL Open IN 1000	103	$95.64	$33.96	-64.5%	**$40.08**	18.0%	2	860	$76	$68	$144	2	860	$81	$80	$161
VILLAGE OF KINDERHOOK	CR UG Cable & Cndt		$121.08	$71.64	-40.8%	**$76.56**	6.9%	2	-	$0	$143	$143	2	-	$0	$153	$153
								Subtotal:	7,733	$683	$1,741	$2,425	Subtotal:	7,733	$727	$1,764	$2,490
VILLAGE OF WILLIAMSVILLE	CR UG Cable & Cndt		$121.08	$87.00	-28.1%	**$90.36**	3.9%	100	-	$0	$8,700	$8,700	100	-	$0	$9,036	$9,036
						S.C. 2 Price Exceptions Annual Total:			**27,950**	**$2,469**	**$504,349**	**$506,818**	**Total:**	**27,950**	**$2,627**	**$574,961**	**$577,588**
														TARGET	$2,627	$574,961	$577,588
														PROPOSED MINUS TARGET	$0	$0	$0

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Electric Rate Design Panel

Exhibit __ (E-RDP-8CU)

Lighting Tariff Rate Design

Rate Year Revenue at Present and Proposed Rates
(Service Classification No. 3)

Schedule 5

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)

Rate Year 2 T&D rate: 0.06065
Proposed T&D rate: 0.06452
6.38% increase

Target Facility Price Increase: **6.45%**

Description	Billcode Description	Billed Watts per Lamp (a)	Avg Mo Burn Hours (b)	Present Annual Facility Price (c)	Rate Year 1 Annual Facility Price (d)	Percent Change Facility Price (e)	2019 Units Billed (f)	Present Annual Usage (g)	Present Annual T&D Revenue (h)	Present Annual Facility Revenue (i)	Present Annual Total Revenue (j)	FY'20 Fcst Units (l)	Rate Year 1 Annual Usage (m)	Rate Year 1 Annual T&D Revenue (n)	Rate Year 1 Annual Facility Revenue (o)	Rate Year 1 Annual Total Revenue (p)
Non-contract S.C. 3 Accounts																
(Customer owned & maintained)	EN Energy Only DTD			$0.00	$0.00	0.0%	11,091,850	4,924,781	$298,688	$0	$298,688	11,091,850	4,924,781	$317,747	$0	$317,747
							11,091,850	4,081,801	$247,561	$0	$247,561	11,091,850	4,081,801	$263,358	$0	$263,358
							11,091,850	4,015,250	$243,525	$0	$243,525	11,091,850	4,015,250	$259,064	$0	$259,064
							11,091,850	3,383,014	$205,180	$0	$205,180	11,091,850	3,383,014	$218,272	$0	$218,272
							11,091,850	3,050,259	$184,998	$0	$184,998	11,091,850	3,050,259	$196,803	$0	$196,803
							11,091,850	2,728,595	$165,489	$0	$165,489	11,091,850	2,728,595	$176,049	$0	$176,049
							11,091,850	2,928,248	$177,598	$0	$177,598	11,091,850	2,928,248	$188,931	$0	$188,931
							11,091,850	3,338,647	$202,489	$0	$202,489	11,091,850	3,338,647	$215,409	$0	$215,409
							11,091,850	3,704,678	$224,689	$0	$224,689	11,091,850	3,704,678	$239,026	$0	$239,026
							11,091,850	4,359,097	$264,379	$0	$264,379	11,091,850	4,359,097	$281,249	$0	$281,249
							11,091,850	4,669,669	$283,215	$0	$283,215	11,091,850	4,669,669	$301,287	$0	$301,287
							11,091,850	5,068,975	$307,433	$0	$307,433	11,091,850	5,068,975	$327,050	$0	$327,050
POLE ATTACHMENT																
Facility Lighting Attachment	ATTACHMENT			$7.20	$7.68	6.7%	292	-	$0	$2,102	$2,102	292	-	$0	$2,243	$2,243
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																
70W	LP HS 70	82	347.50	$0.00	$0.00	0.0%	4	1,368	$83	$0	$83	4	1,368	$88	$0	$88
100W	LP HS 100	117	347.50	$0.00	$0.00	0.0%	64	31,224	$1,894	$0	$1,894	64	31,224	$2,015	$0	$2,015
150W	LP HS 150	182	347.50	$0.00	$0.00	0.0%	731	554,784	$33,648	$0	$33,648	731	554,784	$35,795	$0	$35,795
250W	LP HS 250	302	347.50	$0.00	$0.00	0.0%	1,754	2,208,888	$133,969	$0	$133,969	1,754	2,208,888	$142,517	$0	$142,517
400W	LP HS 400	480	347.50	$0.00	$0.00	0.0%	21	42,036	$2,549	$0	$2,549	21	42,036	$2,712	$0	$2,712
Metal Halide																
400W	LP MH 400	1	347.50	$0.00	$0.00	0.0%	11	48	$3	$0	$3	11	48	$3	$0	$3
Mercury Vapor																
175W	LP MV 175	208	347.50	$0.00	$0.00	0.0%	18	15,612	$947	$0	$947	18	15,612	$1,007	$0	$1,007
LUMINAIRES																
Edgewater 150	LM Edgewater 150			$0.00	$0.00	0.0%	730	-	$0	$0	$0	730	-	$0	$0	$0
Little Falls - Teardrop, 70	LM Little Fall TD 70			$0.00	$0.00	0.0%	6	-	$0	$0	$0	6	-	$0	$0	$0
Roadway 70	LM Roadway 70			$0.00	$0.00	0.0%	4	-	$0	$0	$0	4	-	$0	$0	$0
Roadway 150	LM Roadway 150			$0.00	$0.00	0.0%	1	-	$0	$0	$0	1	-	$0	$0	$0
Roadway 250	LM Roadway 250			$0.00	$0.00	0.0%	1,754	-	$0	$0	$0	1,754	-	$0	$0	$0
Roadway 400	LM Roadway 400			$0.00	$0.00	0.0%	11	-	$0	$0	$0	11	-	$0	$0	$0
Roadway 175	LM Roadway 175			$0.00	$0.00	0.0%	2	-	$0	$0	$0	2	-	$0	$0	$0
Roadway 400	LM Roadway 400			$0.00	$0.00	0.0%	21	-	$0	$0	$0	21	-	$0	$0	$0
Aspen Grove 100	LM Aspen Grove 100			$0.00	$0.00	0.0%	34	-	$0	$0	$0	34	-	$0	$0	$0
Traditional 100	LM Traditional 100			$0.00	$0.00	0.0%	24	-	$0	$0	$0	24	-	$0	$0	$0
Contemporary 175	LM Contemporary 175			$0.00	$0.00	0.0%	16	-	$0	$0	$0	16	-	$0	$0	$0
POLES/STANDARDS																
Wood Pole, 1 Span	PL Wood OH =< 1SP			$0.00	$0.00	0.0%	3	-	$0	$0	$0	3	-	$0	$0	$0
Aluminum, AB, Armory Square	SD Alum Armory Sq AB			$0.00	$0.00	0.0%	1	-	$0	$0	$0	1	-	$0	$0	$0
Standard > 16 ft for UG or URD Service																
Aluminum, anchor base	SD Alum >16' AB			$0.00	$0.00	0.0%	221	-	$0	$0	$0	221	-	$0	$0	$0
steel, anchor base	SD Steel >16' AB			$0.00	$0.00	0.0%	31	-	$0	$0	$0	31	-	$0	$0	$0

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Corrections and Updates
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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)

Rate Year 2 T&D rate	0.06065
Proposed T&D rate	0.06452
6.38% increase	

Target Facility Price Increase: **6.45%**

Description	Billcode Description	Billed Watts per Lamp (a)	Avg Mo Burn Hours (b)	Present Annual Facility Price (c)	Rate Year 1 Annual Facility Price (d)	Percent Change Facility Price (e)	2019 Units Billed (f)	Present Annual Usage (g)	Present Annual T&D Revenue (h)	Present Annual Facility Revenue (i)	Present Annual Total Revenue (j)	FY'20 Fcst Units (l)	Rate Year 1 Annual Usage (m)	Rate Year 1 Annual T&D Revenue (n)	Rate Year 1 Annual Facility Revenue (o)	Rate Year 1 Annual Total Revenue (p)
Contract S.C.3 Account (continued)																
(S.C. 3 T&D rate per contract. No facility charge unless a Company-procured new facility - then, S.C. 2 price)																
POLES/STANDARDS																
Standard <= 16 ft for UG or URD Service																
Aluminum, anchor base, Villager	SD Alum Villager AB			$0.00	$0.00	0.0%	27	-	$0	$0	$0	27	-	$0	$0	$0
Fiberglass, anchor base	SD Fbgl =<16' AB PT			$0.00	$0.00	0.0%	3	-	$0	$0	$0	3	-	$0	$0	$0
Fiberglass, direct embedded	SD Fbgl =<16' DE PT			$0.00	$0.00	0.0%	44	-	$0	$0	$0	44	-	$0	$0	$0
Decorative Standard <= 16 ft for UG or URD Service																
Aluminum, AB, Armory Square	SD Alum Armory Sq AB			$0.00	$0.00	0.0%	728	-	$0	$0	$0	728	-	$0	$0	$0
FOUNDATIONS																
Concrete - Cast-In-Place																
for AB standard > 16 ft	FD Concrete >16'			$0.00	$0.00	0.0%	251	-	$0	$0	$0	251	-	$0	$0	$0
for AB standard <= 16 ft	FD Concrete =<16'			$0.00	$0.00	0.0%	760	-	$0	$0	$0	760	-	$0	$0	$0
CIRCUITRY																
UG Service																
first 50 ft or less per pole																
cable and conduit	CR UG Cable & Cndt			$0.00	$0.00	0.0%	990	-	$0	$0	$0	990	-	$0	$0	$0
cable only	CR UG Cable Only			$0.00	$0.00	0.0%	15	-	$0	$0	$0	15	-	$0	$0	$0
URD Service																
first 10 ft or less per pole																
direct buried cable	CR UG Res DB Cable			$0.00	$0.00	0.0%	51	-	$0	$0	$0	51	-	$0	$0	$0
S.C.3 Contract Facilities Priced at S.C.2 Rates:																
Lamp: HPS 100W	LP HS 100	118	347.50	$8.28	$8.76	5.8%	25	12,300	$746	$207	$953	25	12,300	$794	$219	$1,013
Lamp: MH 175W	LP MH 175	207	347.50	$56.76	$60.48	6.6%	2	1,728	$105	$114	$218	2	1,728	$111	$121	$232
Luminaire: Aspen Grove 100	LM Aspen Grove 100			$103.08	$109.68	6.4%	25	-	$0	$2,577	$2,577	25	-	$0	$2,742	$2,742
Standard <= 16 ft: Fiberglass, direct embedded	SD Fbgl =<16' DE PT			$94.68	$100.80	6.5%	25	-	$0	$2,367	$2,367	25	-	$0	$2,520	$2,520
Standard <= 16 ft: Aluminum, AB, Armory Square	SD Alum Armory Sq AB			$343.56	$365.76	6.5%	1	-	$0	$344	$344	1	-	$0	$366	$366
Foundation for AB standard > 16 ft	FD Concrete >16'			$220.80	$235.08	6.5%	2	-	$0	$442	$442	2	-	$0	$470	$470
Foundation for AB standard <= 16 ft	FD Concrete =<16'			$220.80	$235.08	6.5%	1	-	$0	$221	$221	1	-	$0	$235	$235
Circuitry: UG Service, cable and conduit	CR UG Cable & Cndt			$121.08	$128.88	6.4%	2	-	$0	$242	$242	2	-	$0	$258	$258
Circuitry: URD Service, direct buried cable	CR UG Res DB Cable			$90.24	$96.12	6.5%	25	-	$0	$2,256	$2,256	25	-	$0	$2,403	$2,403
						S.C. 3 Annual Total:	**49,121,003**		**$2,979,189**	**$10,871**	**$2,990,060**		**49,121,003**	**$3,169,287**	**$11,576**	**$3,180,863**
													TARGET	$3,169,367	$11,572	$3,180,939
													PROPOSED MINUS TARGET	-$80	$4	-$76

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Electric Rate Design Panel

Exhibit __ (E-RDP-8CU)

Lighting Tariff Rate Design

Rate Year Revenue at Present and Proposed Rates
(Service Classification No. 4)

Schedule 6

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. 4 - Traffic Control (Customer Owned and Maintained)

Current T&D rate	0.01103
Proposed T&D rate	0.01173

Target Facility Price Increase: **6.45%**

Description	Billcode Description	Present Annual Service Charge (a)	Rate Year 1 Annual Service Charge (b)	Percent Change Service Charge (c)	2019 Units Billed (d)	Present Annual Usage (e)	Present Annual T&D Revenue (f)	Present Annual Service Revenue (g)	Present Annual Total Revenue (h)	FY'20 Fcst Units (i)	Rate Year 1 Annual Usage (j)	Rate Year 1 Annual T&D Revenue (k)	Rate Year 1 Annual Service Revenue (l)	Rate Year 1 Annual Total Revenue (m)
Traffic Control Location Charge	TC Location Charge	$307.44	$327.24	6.4%	2,579	n/a	n/a	$792,888	$792,888	2,579	n/a	n/a	$843,952	$843,952
Traffic Control 30 Day kWh	TC 30 Day kWh	n/a	n/a	n/a	638,357	7,660,284	$84,493	n/a	$84,493	638,357	7,660,284	$89,855	n/a	$89,855
				S.C. 4 Annual Total:		**7,660,284**	**$84,493**	**$792,888**	**$877,381**		**7,660,284**	**$89,855**	**$843,952**	**$933,807**
											TARGET	$89,887	$844,029	$933,916
											PROPOSED MINUS TARGET	-$31	-$77	-$109

Exhibit ____(E-RDP-8CU)
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Corrections and Updates
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Electric Rate Design Panel

Exhibit __ (E-RDP-8CU)

Lighting Tariff Rate Design

Rate Year Revenue at Present and Proposed Rates
(Contract Street Lighting)

Schedule 7

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Contract Street Lighting (Customer Contributory Provisions)

Current T&D rate 0.08834
Proposed T&D rate 0.09398

Target Facility Price Increase: **6.45%**

Description	Ownership	Avg Mo Burn Hours (b)	Present Annual Facility Price (c)	Rate Year 1 Annual Facility Price (d)	Percent Change Facility Price (e)	2019 Units Billed (g)	Present Annual Usage (h)	Present Annual T&D Revenue (i)	Present Annual Facility Revenue (j)	Present Annual Total Revenue (k)	FY'20 Fcst Units (l)	Rate Year 1 Annual Usage (m)	Rate Year 1 Annual T&D Revenue (n)	Rate Year 1 Annual Facility Revenue (o)	Rate Year 1 Annual Total Revenue (p)
CENTER FOR DISABILITY SRVCS															
150W	Company	347.50	$7.56	$8.04	6.3%	4	2,880	$254	$30	$285	4	2,880	$271	$32	$303
Roadway 150W	Company		$52.08	$55.44	6.5%	4	-	$0	$208	$208	4	-	$0	$222	$222
Additional Wood Pole	Company		$0.00	$0.00	0.0%	2	-	$0	$0	$0	2	-	$0	$0	$0
TOWN OF HAMLIN															
100W	Customer	347.50	$7.32	$7.80	6.6%	6	2,952	$261	$44	$305	6	2,952	$277	$47	$324
Arch. (style unknown) 70/100	Customer		$30.48	$32.40	6.3%	6	-	$0	$183	$183	6	-	$0	$194	$194
Fiberglass, anchor base	Customer		$25.92	$27.60	6.5%	6	-	$0	$156	$156	6	-	$0	$166	$166
for AB standards, all applications	Customer		$42.72	$45.48	6.5%	6	-	$0	$256	$256	6	-	$0	$273	$273
direct buried cable	Customer		$5.28	$5.64	6.8%	6	-	$0	$32	$32	6	-	$0	$34	$34
CR EF DB Cable/ft	Customer		$0.48	$0.48	0.0%	284	-	$0	$136	$136	284	-	$0	$136	$136
TOWN OF HAMLIN HILLCREST SUBDIV SC 5															
100W	Customer	347.50	$7.32	$7.80	6.6%	13	6,396	$565	$95	$660	13	6,396	$601	$101	$702
150W	Customer	347.50	$7.56	$8.04	6.3%	3	2,160	$191	$23	$213	3	2,160	$203	$24	$227
Arch. (style unknown) 70/100	Customer		$30.48	$32.40	6.3%	10	-	$0	$305	$305	10	-	$0	$324	$324
LM Arch 150/175	Customer		$23.16	$24.60	6.2%	3	-	$0	$69	$69	3	-	$0	$74	$74
Fiberglass, anchor base	Customer		$25.92	$27.60	6.5%	16	-	$0	$415	$415	16	-	$0	$442	$442
for anchor base standard <= 16 ft	Customer		$75.96	$80.88	6.5%	12	-	$0	$912	$912	12	-	$0	$971	$971
for AB standards, all applications	Customer		$42.72	$45.48	6.5%	4	-	$0	$171	$171	4	-	$0	$182	$182
direct buried cable	Customer		$5.28	$5.64	6.8%	16	-	$0	$84	$84	16	-	$0	$90	$90
CR EF DB Cable/ft	Customer		$0.48	$0.48	0.0%	344	-	$0	$165	$165	344	-	$0	$165	$165
Edison 100	Customer		$30.48	$32.40	6.3%	3	-	$0	$91	$91	3	-	$0	$97	$97
					Contract Annual Total:		**14,388**	**$1,271**	**$3,375**	**$4,647**		**14,388**	**$1,352**	**$3,574**	**$4,926**
												TARGET	$1,352	$3,593	$4,945
												PROPOSED MINUS TARGET	$0	-$19	-$19

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Corrections and Updates
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Electric Rate Design Panel

Exhibit __ (E-RDP-8CU)

Lighting Tariff Rate Design

Rate Year Revenue at Present and Proposed Rates
(Service Classification No. 6)

Schedule 8

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

Current T&D rate 0.06065
Proposed T&D rate 0.06452

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

Target Facility Price Increase: **6.45%**

Description	Avg Mo Burn Hours (b)	Present Annual Facility Price (c)	Rate Year 1 Annual Facility Price (d)	Percent Change Facility Price (e)	2019 Units Billed (g)	Present Annual Usage (h)	Present Annual T&D Revenue (i)	Present Annual Facility Revenue (j)	Present Annual Total Revenue (k)	FY'20 Fcst Units (l)	Rate Year 1 Annual Usage (m)	Rate Year 1 Annual T&D Revenue (n)	Rate Year 1 Annual Facility Revenue (o)	Rate Year 1 Annual Total Revenue (p)
LAMP														
High Pressure Sodium														
70W	347.50	$8.16	$8.64	5.9%	3	1,080	$66	$24	$90	3	1,080	$70	$26	$96
100W	347.50	$9.36	$9.96	6.4%	86	42,312	$2,566	$805	$3,371	86	42,312	$2,730	$857	$3,587
150W	347.50	$9.84	$10.44	6.1%	58	41,844	$2,538	$571	$3,109	58	41,844	$2,700	$606	$3,305
250W	347.50	$9.60	$10.20	6.2%	65	82,404	$4,998	$624	$5,622	65	82,404	$5,317	$663	$5,980
400W	347.50	$8.40	$9.00	7.1%	17	33,324	$2,021	$143	$2,164	17	33,324	$2,150	$153	$2,303
POLE ATTACHMENT														
Facility Lighting Attachment		$7.20	$7.68	6.7%	-	-	$0	$0	$0	-	-	$0	$0	$0
				S.C. 6 Annual Total:		**200,964**	**$12,188**	**$2,167**	**$14,355**		**200,964**	**$12,966**	**$2,304**	**$15,270**
											TARGET	$12,967	$2,307	$15,273
											PROPOSED MINUS TARGET	$0	-$3	-$3

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Electric Rate Design Panel

Exhibit __ (E-RDP-8CU)

Lighting Tariff Rate Design

LED Conversion Impacts

Schedule 9

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Potential LED Conversion Usage and Revenue Impact
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Description	Average Monthly Burn Hours (b)	2019 Units Billed (c)	Present Annual Usage (d)	FY'20 Fcst Units (No Conv.) (f)	Proposed Annual Usage (g)		Cumulative Units Billed Rate Year 1 (h)	Cumulative Units Billed Rate Year 2 (i)	Cumulative Units Billed Rate Year 3 (j)	Cumulative Units Billed Rate Year 4 (k)	Proposed Annual Usage Rate Year 1 (l)	Proposed Annual Usage Rate Year 2 (m)	Proposed Annual Usage Rate Year 3 (n)	Proposed Annual Usage Rate Year 4 (o)	# Roadway Units as a % of Total Units
Impact on Usage															
LAMPS															
High Pressure Sodium					Annual Conversion Rate:		-10%	-20%	-30%	-40%	-10%	-20%	-30%	-40%	
70W	347.50	37,849	13,573,408	37,849	13,573,408		(3,073)	(6,146)	(9,218)	(12,291)	12,471,441	11,369,473	10,267,506	9,165,538	81.2%
24 HR - 70W	730.00	-	-	-	-		-	-	-	-	-	-	-	-	81.2%
100W	347.50	64,239	31,609,442	64,239	31,609,442		(4,930)	(9,860)	(14,790)	(19,719)	29,183,655	26,757,867	24,332,080	21,906,293	76.7%
24 HR - 100W	730.00	40	41,347	40	41,347		(3)	(6)	(9)	(12)	38,174	35,001	31,828	28,655	76.7%
150W	347.50	30,666	22,122,759	30,666	22,122,759		(2,684)	(5,368)	(8,051)	(10,735)	20,186,631	18,250,502	16,314,374	14,378,245	87.5%
24 HR - 150W	730.00	57	86,382	57	86,382		(5)	(10)	(15)	(20)	78,822	71,262	63,702	56,142	87.5%
250W	347.50	18,775	23,800,692	18,775	23,800,692		(1,744)	(3,488)	(5,232)	(6,975)	21,590,060	19,379,429	17,168,797	14,958,165	92.9%
24 HR - 250W	730.00	109	290,271	109	290,271		(10)	(20)	(30)	(40)	263,311	236,350	209,389	182,429	92.9%
400W	347.50	4,116	8,066,948	4,116	8,066,948		(325)	(651)	(976)	(1,301)	7,429,317	6,791,685	6,154,053	5,516,421	79.0%
24 HR - 400W	730.00	-	-	-	-		-	-	-	-	-	-	-	-	79.0%
1000W	347.50	109	502,710	109	502,710		(9)	(19)	(28)	(37)	460,002	417,294	374,586	331,878	85.0%
Metal Halide					-										
175W	347.50	2,275	1,963,757	2,275	1,963,757		(59)	(119)	(178)	(238)	1,912,471	1,861,185	1,809,900	1,758,614	26.1%
250W	347.50	290	356,744	290	356,744		(27)	(54)	(81)	(108)	323,609	290,474	257,339	224,205	92.9%
400W	347.50	648	1,218,674	648	1,218,674		(51)	(102)	(154)	(205)	1,122,347	1,026,020	929,693	833,366	79.0%
1000W	347.50	2	8,991	2	8,991		(0)	(0)	(1)	(1)	8,227	7,463	6,699	5,935	85.0%
Mercury Vapor					-										
100W	347.50	341	184,856	341	184,856		(26)	(52)	(79)	(105)	170,670	156,483	142,297	128,111	76.7%
175W	347.50	995	875,471	995	875,471		(26)	(52)	(78)	(104)	852,607	829,743	806,879	784,015	26.1%
400W	347.50	270	537,054	270	537,054		(21)	(43)	(64)	(85)	494,604	452,154	409,704	367,254	79.0%
1000W	347.50	2	9,132	2	9,132		(0)	(0)	(1)	(1)	8,356	7,581	6,805	6,029	85.0%
		TOTAL:	105,248,640	160,783	105,248,640	Reductions:	(12,995)	(25,989)	(38,984)	(51,978)	96,594,303	87,939,967	79,285,630	70,631,294	
LED LUMINAIRES															
LL Roadway LED-B	347.50	12,794	1,333,775	12,794	1,333,775		5,551	11,102	16,652	22,203	1,912,447	2,491,119	3,069,792	3,648,464	
24 HR - LL Roadway LED-B	730.00	-	-	-	-		-	-	-	-	-	-	-	-	
LL Roadway LED-C	347.50	3,812	763,010	3,812	763,010		5,247	10,494	15,742	20,989	1,813,295	2,863,580	3,913,865	4,964,149	
24 HR - LL Roadway LED-C	730.00	-	-	-	-		8	16	24	32	3,388	6,777	10,165	13,553	
LL Roadway LED-D	347.50	2,760	1,104,883	2,760	1,104,883		1,771	3,542	5,312	7,083	1,813,760	2,522,637	3,231,514	3,940,391	
24 HR - LL Roadway LED-D	730.00	-	-	-	-		10	20	30	40	8,514	17,028	25,542	34,056	
LL Roadway LED-F	347.50	315	275,846	315	275,846		408	815	1,223	1,630	632,693	989,541	1,346,389	1,703,237	
24 HR - LL Roadway LED-F	730.00	-	-	-	-		-	-	-	-	-	-	-	-	
Pricing Exception Incand Usage			27,950		27,950						27,950	27,950	27,950	27,950	
Incandescent Lamp/Luminaires			45,616		45,616						45,616	45,616	45,616	45,616	
		TOTAL:	108,799,719	180,464	108,799,719	Additions:	12,995	25,989	38,984	51,978	102,851,967	96,904,214	90,956,462	85,008,710	
										Cumulative Reduction kWhs:	(5,947,752)	(11,895,504)	(17,843,257)	(23,791,009)	
										Annual %:	-5.47%	-5.47%	-5.47%	-5.47%	
										Cumulative %:	-5.47%	-10.93%	-16.40%	-21.87%	

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Potential LED Conversion Usage and Revenue Impact
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Description	Cumulative Units Billed Rate Year 1 (b)	Cumulative Units Billed Rate Year 2 (c)	Cumulative Units Billed Rate Year 3 (d)	Cumulative Units Billed Rate Year 4 (e)	Present Annual Lamp Facility Price (f)	RY1 Present Annual Luminaire Facility Price (h)	RY1 Change in Lamp Facility Revenue Current (i)	RY2 Change in Lamp Facility Revenue Current (j)	RY3 Change in Lamp Facility Revenue Current (k)	RY4 Change in Lamp Facility Revenue Current (l)	RY1 Proposed Lamp Price (m)	RY1 Proposed Luminaire Price (n)	RY1 Change in Lamp Facility Revenue Proposed (o)	RY1 Change in Luminaire Facility Revenue Proposed (p)	RY1 Change in Total Facility Revenue Proposed (q)
Impact on Facility Revenue															
LAMPS															
High Pressure Sodium															
70W	(3,073)	(6,146)	(9,218)	(12,291)	$8.28	$57.12	$ (200,961)	$ (401,922)	$ (602,883)	$ (803,844)	$8.76	$60.84	$ (26,918)	$ (186,949)	$ (213,867)
24 HR - 70W	-	-	-	-	$16.56	$57.12	$ -	$ -	$ -	$ -	$17.52	$60.84	$ -	$ -	$ -
100W	(4,930)	(9,860)	(14,790)	(19,719)	$8.28	$57.12	$ (322,413)	$ (644,826)	$ (967,239)	$ (1,289,652)	$8.76	$60.84	$ (43,186)	$ (299,933)	$ (343,118)
24 HR - 100W	(3)	(6)	(9)	(12)	$16.56	$57.12	$ (226)	$ (452)	$ (679)	$ (905)	$17.52	$60.84	$ (54)	$ (187)	$ (241)
150W	(2,684)	(5,368)	(8,051)	(10,735)	$8.28	$57.12	$ (175,521)	$ (351,043)	$ (526,564)	$ (702,085)	$8.76	$60.84	$ (23,510)	$ (163,283)	$ (186,793)
24 HR - 150W	(5)	(10)	(15)	(20)	$16.56	$57.12	$ (368)	$ (735)	$ (1,103)	$ (1,470)	$17.52	$60.84	$ (87)	$ (304)	$ (391)
250W	(1,744)	(3,488)	(5,232)	(6,975)	$8.28	$57.12	$ (114,047)	$ (228,094)	$ (342,142)	$ (456,189)	$8.76	$60.84	$ (15,276)	$ (106,095)	$ (121,371)
24 HR - 250W	(10)	(20)	(30)	(40)	$16.56	$57.12	$ (746)	$ (1,492)	$ (2,238)	$ (2,984)	$17.52	$60.84	$ (177)	$ (616)	$ (793)
400W	(325)	(651)	(976)	(1,301)	$8.28	$57.12	$ (21,277)	$ (42,554)	$ (63,832)	$ (85,109)	$8.76	$60.84	$ (2,850)	$ (19,794)	$ (22,644)
24 HR - 400W	-	-	-	-	$16.56	$57.12	$ -	$ -	$ -	$ -	$17.52	$60.84	$ -	$ -	$ -
1000W	(9)	(19)	(28)	(37)	$16.68	$129.24	$ (1,351)	$ (2,702)	$ (4,054)	$ (5,405)	$17.76	$137.52	$ (164)	$ (1,273)	$ (1,438)
Metal Halide															
175W	(59)	(119)	(178)	(238)	$56.76	$57.12	$ (6,766)	$ (13,532)	$ (20,298)	$ (27,064)	$60.48	$60.84	$ (3,593)	$ (3,615)	$ (7,208)
250W	(27)	(54)	(81)	(108)	$56.76	$57.12	$ (3,067)	$ (6,135)	$ (9,202)	$ (12,270)	$60.48	$60.84	$ (1,629)	$ (1,639)	$ (3,268)
400W	(51)	(102)	(154)	(205)	$56.76	$57.12	$ (5,833)	$ (11,666)	$ (17,499)	$ (23,332)	$60.48	$60.84	$ (3,098)	$ (3,116)	$ (6,214)
1000W	(0)	(0)	(1)	(1)	$56.76	$129.24	$ (32)	$ (63)	$ (95)	$ (126)	$60.48	$137.52	$ (10)	$ (23)	$ (34)
Mercury Vapor															
100W	(26)	(52)	(79)	(105)	$7.08	$57.12	$ (1,680)	$ (3,360)	$ (5,040)	$ (6,720)	$7.56	$60.84	$ (198)	$ (1,592)	$ (1,790)
175W	(26)	(52)	(78)	(104)	$7.08	$57.12	$ (1,668)	$ (3,337)	$ (5,005)	$ (6,673)	$7.56	$60.84	$ (196)	$ (1,581)	$ (1,777)
400W	(21)	(43)	(64)	(85)	$7.08	$57.12	$ (1,370)	$ (2,740)	$ (4,110)	$ (5,480)	$7.56	$60.84	$ (161)	$ (1,298)	$ (1,460)
1000W	(0)	(0)	(1)	(1)	$13.32	$129.24	$ (24)	$ (48)	$ (73)	$ (97)	$14.16	$137.52	$ (2)	$ (23)	$ (26)
						Reduction in Revenue:	$ (857,351)	$ (1,714,702)	$ (2,572,054)	$ (3,429,405)			$ (121,111)	$ (791,322)	$ (912,433)
LED LUMINAIRES															
LL Roadway LED-B	5,551	11,102	16,652	22,203	N/A	$84.48	$468,933	$937,866	$1,406,799	$1,875,731	N/A	$87.36	N/A	$484,919	$484,919
24 HR - LL Roadway LED-B	-	-	-	-	N/A	$177.48	$0	$0	$0	$0	N/A	$183.48	N/A	$0	$0
LL Roadway LED-C	5,247	10,494	15,742	20,989	N/A	$89.28	$468,472	$936,945	$1,405,417	$1,873,890	N/A	$92.28	N/A	$484,214	$484,214
24 HR - LL Roadway LED-C	8	16	24	32	N/A	$187.56	$1,511	$3,023	$4,534	$6,046	N/A	$193.92	N/A	$1,563	$1,563
LL Roadway LED-D	1,771	3,542	5,312	7,083	N/A	$111.12	$196,769	$393,537	$590,306	$787,075	N/A	$114.84	N/A	$203,356	$203,356
24 HR - LL Roadway LED-D	10	20	30	40	N/A	$233.40	$2,363	$4,726	$7,089	$9,452	N/A	$241.32	N/A	$2,443	$2,443
LL Roadway LED-F	408	815	1,223	1,630	N/A	$120.12	$48,949	$97,898	$146,847	$195,796	N/A	$124.20	N/A	$50,612	$50,612
24 HR - LL Roadway LED-F	-	-	-	-	N/A	$252.36	$0	$0	$0	$0	N/A	$260.88	N/A	$0	$0
						Increase in Revenue:	$ 1,186,997	$ 2,373,994	$ 3,560,991	$ 4,747,989			$ -	$ 1,227,106	$ 1,227,106
						Net Revenue at Present Rates:	$ 329,646	$ 659,292	$ 988,938	$ 1,318,584		Net Revenue:	$ (121,111)	$ 435,785	$ 314,674
						Year-over-year change:	$ 329,646	$ 329,646	$ 329,646	$ 329,646				Net Revenue RY1 at Proposed:	$ 629,348

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Electric Rate Design Panel

Exhibit __ (E-RDP-8CU)

Lighting Tariff Rate Design

LED Replacement Cost Analysis

Schedule 10

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Replacement Cost Analysis
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

LED to HID Rate Ratio Calculation

6.45% S.C. 2 Facility Target % Increase

Description	Component	Present Price	LED Conversion Units	Present Revenue	Target Price	Target Revenue	Replacement Cost	Replacement Revenue	Proposed % Movement to Replace Cost	Adjusted Target Price	Adjusted Target Revenue
HID Roadway Lamps											
High Pressure Sodium											
70W	SC2NMP000000101	$8.28	3,073	$25,443	$8.76	$26,918	$1.76	$5,398		9.02	$27,706
100W	SC2NMP000000201	$8.28	4,930	$40,819	$8.76	$43,186	$1.76	$8,660		9.02	$44,450
150W	SC2NMP000000301	$8.28	2,684	$22,222	$8.76	$23,510	$1.76	$4,714		9.02	$24,199
250W	SC2NMP000000401	$8.28	1,744	$14,439	$8.76	$15,276	$1.76	$3,063		9.02	$15,723
400W	SC2NMP000000501	$8.28	325	$2,694	$8.76	$2,850	$1.76	$571		9.02	$2,933
1000W	SC2NMP000000601	$16.68	9	$154	$17.76	$164	$1.76	$16		18.16	$168
Metal Halide											
175W	SC2NMP000000701	$56.76	59	$3,372	$60.48	$3,593	$1.76	$104		61.81	$3,672
250W	SC2NMP000000801	$56.76	27	$1,529	$60.48	$1,629	$1.76	$47		61.81	$1,665
400W	SC2NMP000000901	$56.76	51	$2,907	$60.48	$3,098	$1.76	$90		61.81	$3,166
1000W	SC2NMP000001001	$56.76	0	$10	$60.48	$10	$1.76	$0		61.81	$11
Mercury Vapor											
100W	SC2NMP000001201	$7.08	26	$185	$7.56	$198	$1.76	$46		7.71	$202
175W	SC2NMP000001301	$7.08	26	$184	$7.56	$196	$1.76	$46		7.71	$200
400W	SC2NMP000001501	$7.08	21	$151	$7.56	$161	$1.76	$37		7.71	$165
1000W	SC2NMP000001701	$13.32	0	$2	$14.16	$2	$1.76	$0		14.50	$2
			12,976								
									HID %	8.90%	
HID Roadway Luminaires											
Roadway 70	SC2NMP000049P01	$57.12	3,073	$175,518	$60.84	$186,949	$157.34	$483,479		62.20	$191,132
Roadway 100	SC2NMP000050P01	$57.12	4,956	$283,088	$60.84	$301,525	$157.34	$779,789		62.20	$308,271
Roadway 150	SC2NMP000051P01	$57.12	2,769	$158,177	$60.84	$168,479	$157.34	$435,712		62.20	$172,248
Roadway 250	SC2NMP000052P01	$57.12	1,771	$101,147	$60.84	$107,734	$157.34	$278,616		62.20	$110,144
Roadway 400	SC2NMP000302P01	$57.12	398	$22,728	$60.84	$24,208	$157.34	$62,606		62.20	$24,750
Roadway, 1000	SC2NMP000053P01	$129.24	10	$1,241	$137.52	$1,320	$157.34	$1,510		140.74	$1,351
			12,976								
		Total HID Lamp & Lumiaire:		$856,012		$911,008		$2,064,507	4.55%		$932,159
		% of replacement cost		41%		6.4%					8.90%
									LED %	4.65%	
LED Roadway Luminaires											
LL Roadway LED-B	SC2NMPLEDRWYB01	$84.48	5,551	$468,933	$89.88	$498,907	$153.19	$850,329		88.41	$490,723
LL Roadway LED-C	SC2NMPLEDRWYC01	$89.28	5,247	$468,472	$95.04	$498,696	$155.48	$815,853		93.43	$490,241
LL Roadway LED-D	SC2NMPLEDRWYD01	$111.12	1,771	$196,769	$118.32	$209,518	$170.85	$302,529		116.28	$205,912
LL Roadway LED-F	SC2NMPLEDRWYF01	$120.12	408	$48,949	$127.92	$52,127	$213.26	$86,904		125.70	$51,223
			12,976								
			Total LED:	$1,183,123		$1,259,249		$2,055,615	8.73%		$1,238,098
		% of replacement cost		58%		6.4%					4.65%
			GRAND TOTAL	$2,039,134	Target Revenue	$2,170,257		$4,120,122		Adjusted Target Revenue	$2,170,257
					Total Increase	6.4%					6.4%
									Ratio LED% to HID %	52.24%	

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Replacement Cost Analysis
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Replacement Cost Calculation

	Storeroom Primary Materials (1)	Storeroom Secondary Materials (2)	Direct Materials Cost (3)	Total Materials Cost With Tax and Stores Handling (4)	Company Labor Cost per hour (5)	Estimated Wrench Hours (6)	Direct Labor Cost (7)	Total Direct Labor Cost With Overhead (8)	Transportation Cost per hour (9)	Total Transportation Cost (10)	Total Installation Cost with Capital Overhead (11)	Carrying Charge Rate (12)	Replacement Cost Carrying Charge (13)
HID Lamp	$7.08		$7.31	$9.32			$0.00	$0.00		$0.00	$9.32	13.3389%	$1.24
Photocell	$2.93		$3.02	$3.85			$0.00	$0.00		$0.00	$3.85	13.3389%	$0.51
Total Lamp	$10.01	$0.00	$10.33	$13.17			$0.00	$0.00		$0.00	$13.17		$1.76
HID Luminaire	$78.82	$53.05	$136.04	$173.40	$157.31	2.25	$364.57	$590.43	$24.83	$55.87	$782.05	17.6722%	$138.21
Bracket	$106.71	$2.38	$112.55	$143.45			$0.00	$0.00		$0.00	$143.45	13.3389%	$19.14
Luminaire & Bracket	$185.53	$55.43	$248.58	$316.85	$157.31		$0.00	$590.43		$55.87	$925.51		$157.34
LED Luminaire B	$104.37	$53.05	$162.40	$207.00	$157.31	2.25	$364.57	$590.43	$24.83	$55.87	$815.66	16.3722%	$133.54
LED Luminaire C	$115.02	$53.05	$173.39	$221.00	$157.31	2.25	$364.57	$590.43	$24.83	$55.87	$829.66	16.3722%	$135.83
LED Luminaire D	$186.38	$53.05	$247.00	$314.84	$157.31	2.25	$364.57	$590.43	$24.83	$55.87	$923.50	16.3722%	$151.20
LED Luminaire F	$383.40	$53.05	$450.26	$573.91	$157.31	2.25	$364.57	$590.43	$24.83	$55.87	$1,182.57	16.3722%	$193.61
Photocell	$12.50		$3.02	$3.85			$0.00	$0.00		$0.00	$3.85	13.3389%	$0.51
LED Bracket	$106.71	$2.38	$112.55	$143.45			$0.00	$0.00		$0.00	$143.45	13.3389%	$19.14

	Capital Rate (14)
NMPC Capital Overhead Rate (Electric Distribution):	29.00%
NMPC Capitalized A&G (Electric Distribution):	3.63%
Total Capital Rate:	32.63%

Notes:
(1) Weighted average price of primary materials as listed in charts below
(2) Weighted average price of secondary materials as listed in charts below
(3) Primary materials (1) and secondary materials (2) with inflation factor (Exhibit ___ (E-RDP-8CU), Schedule 11, page 1) applied
(4) Direct materials (3) with sales tax and stores handling (Exhibit ___ (E-RDP-8CU), Schedule 11, page 1) applied
(5) Weighted average crew cost as listed in charts below (NMPC IBEW Union Local 97, Effective 4/1/2019)
(6) Estimated wrench hours for replacement of lamp, luminaire, photocell, & bracket.
(7) Direct labor (5) times wrench hours (6) with labor inflation factor (Exhibit ___ (E-RDP-8CU), Schedule 11, page 1) applied
(8) Total direct labor (7) with NMPC Represented Labor Rate (Exhibit ___ (E-RDP-8CU), Schedule 11, page 1) applied
(9) Weighted average transportation costs as listed in (Exhibit ___ (E-RDP-8CU), Schedule 11, page 1)
(10) Transportation costs (9) times estimated wrench hours (6)
(11) Total materials (4) plus total labor (8) plus total transportation (10) times capital rate
(12) Applicable carry charge per (Exhibit ___ (E-RDP-8CU, Schedule 10, page 3)
(13) Total installation cost (11) times carry charge (12)
(14) NMPC Distribution Capital Overhead rates; effective March 2020

Exhibit ____(E-RDP-8CU)
Schedule 10
Corrections and Updates
Page 2 of 3

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Rate Year 1 Revenue at Present and Proposed Rates
Replacement Cost Analysis
Service Classification No. 2 - Street Lighting (Company Owned and Maintained)

Rate Year 1 Annual Carrying Charge Rates on Installation Cost

(1) Pre-Tax WACC	7.93%	
(2) Property Tax	3.2422%	
(3) Depreciation Expense for Overhead Street Lighting (FERC 373.10) (excl Luminaires)	2.17%	
(4) Carrying Charge for Overhead Street Lighting (excl Luminaires)	13.3389%	
	HPS	LED
(5) Depreciation Expense for Overhead Street Lighting (FERC 373.10) LUMINAIRES	6.50%	5.20%
(6) Carrying Charge for Overhead Street Lighting Luminaires	17.6722%	16.3722%
(7) Depreciation Expense for Underground Street Lighting (FERC 373.20)	2.17%	
(8) Carrying Charge for Underground Street Lighting	13.3389%	

Notes:
(1) Source: Capital Structure, Exhibit___(RRP-1CU), Summary, Page 3; Updated 9/25/2020 for Corrections & Updates
(2) Source: 2018 Property tax rate = 2018 Property Tax Levied / 2018 Equalized Assessed Property Value
(3, 5, 7) Source: Electric & Common Depreciation Rates, Case 17-E-0238 Joint Proposal, Appendix 1, Schedule 3, page 1
(4) Sum of Lines (1), (2), and (3)
(6) Sum of Lines (1), (2), and (5)
(8) Sum of Lines (1), (2), and (7)

Replacement Cost Inputs (1)

Lamps	In-service Quantity	In-service %	Price	Weighted Price
LM Roadway 70	33,772	20.3%	$6.80	$1.38
LM Roadway 100	69,740	41.9%	$6.80	$2.85
LM Roadway 150	30,655	18.4%	$6.80	$1.25
LM Roadway 175	889	0.5%	$8.00	$0.04
LM Roadway 250	25,332	15.2%	$8.05	$1.23
LM Roadway 400	5,888	3.5%	$9.00	$0.32
LM Roadway 1000	98	0.1%	$24.21	$0.01
Total:	166,374		Total:	$7.08
Luminaires				
LM Roadway 70	33,772	20.3%	$69.18	$14.04
LM Roadway 100	69,740	41.9%	$76.10	$31.90
LM Roadway 150	30,655	18.4%	$73.18	$13.48
LM Roadway 175	889	0.5%	$127.40	$0.68
LM Roadway 250	25,332	15.2%	$91.83	$13.98
LM Roadway 400	5,888	3.5%	$127.40	$4.51
LM Roadway 1000	98	0.1%	$373.75	$0.22
Total:	166,374		Total:	$78.82
LED				
Roadway LED B (25)	11,891	66.1%	$104.37	$69.00
Roadway LED C (48)	3,107	17.3%	$115.02	$19.87
Roadway LED D (96)	2,691	15.0%	$186.38	$27.88
Roadway LED F (210)	298	1.7%	$383.40	$6.35
Total:	17,987			$123.10

Applicable Labor (2)	First Pay Rate	Second Pay Rate	Combined Rate
Line crew (OPC), One person - Metro	$52.11		$52.11
Line crew (OPC), One person - District	$52.11		
Line crew (Trouble), Two person - Metro	$54.05	$52.11	$105.20
Line crew, Two person - District	$52.11	$52.11	
			$157.31

Brackets	Price	Average Price	In-service %	Weighted Price
BRACKET, LTG, AL, 4FT, UPSWEEP	$74.50	$75.83	20.3%	$15.39
BRACKET, LTG, AL, 6FT, UPSWEEP	$71.00		41.9%	$31.79
BRACKET, LTG, AL, 6FT, TAPERED ELLIPTICAL	$82.00			
BRACKET, LTG, AL, 8FT, UPSWEEP	$91.00	$99.50	18.4%	$18.33
BRACKET, LTG, AL, 8FT, TAPERED ELLIPTICAL	$108.00		0.5%	$0.53
BRACKET, LTG, AL, 10FT, TAPERED TRUSS	$185.00	$195.50	15.2%	$29.77
BRACKET, LTG, AL, 12FT, TAPERED TRUSS	$206.00			
BRACKET, LTG, AL, 16FT, TAPERED TRUSS	$256.00	$303.00	3.5%	$10.72
BRACKET, LTG, AL, 20FT, TAPERED TRUSS	$350.00		0.1%	$0.18
				$106.71

Secondary Materials (Bracket)	Price	Qty	Weighted Price
Bolt, Machine 5/8in dia x 12in long, square head, Galv	$1.04	1	$1.04
Washer, Square, glat, Galvanized 11/16in hole, 2-1/4in	$0.26	1	$0.26
Screw. Lag Square head, Pilot Point, 1/2in x 4in, steel	$0.54	2	$1.08
		Total:	$2.38

Secondary Materials (Luminaire)	Price	Qty	Weighted Price
Staple, Diamond point , rolled, 1-3/4in x 3/8in x .148in	$0.07	3	$0.21
Staple, Diamond point , rolled, 3in x 1-1/16in x 1/4in	$0.21	3	$0.63
Connector, Compression, Standard, 2/0-No2/Runno.2	$0.30	1	$0.30
Connector, Copper C-Type Range Taking CompressionTap	$0.50	1	$0.50
Wire, Grounding, No 4 AWG, Solid Copper, Soft Drawn SI	$0.67	5	$3.35
Connector, Streetlight, Aluminum, Parrallel groove, Non	$14.89	2	$29.78
Conduit, Flexible, Liquid-Tight, 1/2in, Non-metallic	$0.62	5	$3.10
Wire, 2 conductor number 10AWG, 7 strand, soft drawn CO	$1.15	13.2	$15.18
		Total:	$53.05

Photoelectronic Control	Price
Standard (HID-use)	$2.93
Long Life (LED-use)	$12.50

Notes:
(1) All material prices (Lamps, Luminaires, LED, Brackets, Secondary Materials, & Photoelectonic Control) sourced from procurement effect as of 1/14/2020.
(2) Source: IBEW Local 97 "Blue Contract Book", Hourly Wage Rates Effective 4/1/2020

Exhibit ____(E-RDP-8CU)
Schedule 10
Corrections and Updates
Page 3 of 3

Electric Rate Design Panel

Exhibit __ (E-RDP-8CU)

Lighting Tariff Rate Design

Development of Proposed Lighting Service Charge

Schedule 11

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

Service Component	Test Year Direct Cost (1)	Inflation Factor 1 (2)	Inflation Factor 2 (3)	Rate Year Direct Cost (4)	Labor Overhead % (5)	Sales Tax % (6)	Stores Handling % (7)	Transportation Overhead % (8)	Rate Year Subtotal (9)	Supervision & Admin (10)	Total Installation Cost: (11)
Company Labor Cost	$42.42		3.00%	$43.69	61.95%			58.53%	$96.34	14.25%	$110.06
Miscellaneous material (storeroom)	$8.50	3.163%		$8.77		8.02%	18.0%		$11.18	14.25%	$12.77
	$50.92			$52.46					$107.51		$122.83

Proposed Lighting Service Charge:	**$122.83**
Present Lighting Service Charge:	$153.82
Proposed Change	-20.1%

(1) See Labor Cost and Material Cost Calculations below
(2) Exhibit ___ (RRP-8CU) Summary; inflation between test year and rate year; updated 9/25/20 for CU
(3) IBEW Local 97 "Blue Contract Book", effective rate increase 4/1/2021
(4) Equal to column (1), plus column (1) times the greater of columns (2) and (3)
(5) NMPC Represented rate as of April 2020
(6) NMPC weighted average June 2019 to May 2020
(7) Stores Handling rate as of April 2020
(8) See Transportation Cost Calculation below
(9) Equal to column (4), plus column (4) times the sum of columns (5) through (8)
(10) Source: Supervision & Admin rate as of September 2019
(11) Equal to column (9), plus column (9) times the sum of columns (10) and (11)

Labor Cost Calculation

Crew Type (12)	Pay Groups (first, second) (13)	Crew Reference (14)	Hourly Rate First Pay Group (15)	Hourly Rate Second Pay Group (16)	Hourly Rate Third Pay Group (17)	Cost per Hour (18)	Wrench Hours (19)	Non-Productive Time Adder (20)	Total Hours (21)	Cost Before Design & Supervision (22)	Assumed Frequency of Crew Use (23)	Prorated Company Labor Cost (24)
Line crew (OPC), One person - Metro	HS-2	OPC-M	$52.11			$52.11	0.50	50%	0.75	$39.09	58.5%	$22.87
Line crew, Two person - Metro	LM-3, LM-2	LC2-M	$47.46	$43.54		$90.99	0.50	50%	0.75	$68.24	2.0%	$1.33
Street Light crew, Two person - Metro	SL-3, SL-2	SL2-M	$43.54	$37.99		$81.53	0.50	50%	0.75	$61.15	2.0%	$1.19
Line crew (Trouble), Two person - Metro	HS-3, HS-2	TC2-M	$54.05	$52.11		$106.17	0.50	50%	0.75	$79.62	2.0%	$1.55
UG Cable crew, Three person - Metro	CS-3, CS-2, CS-1	UG3-M	$49.63	$45.25	$37.99	$132.87	0.50	50%	0.75	$99.65	0.7%	$0.65
Line crew (OPC), One person - District	HS-2	OPC-D	$52.11			$52.11	0.50	50%	0.75	$39.09	31.5%	$12.31
Line crew, Two person - District	HS-2, LM-2	LC2-D	$52.11	$43.54		$95.65	0.50	50%	0.75	$71.74	3.5%	$2.51
										Total:	100.0%	**$42.42**

(12) Source: UG Electric Manager, Western New York.
(13) Source: Reference Code for Exhibit Application Only
(14) Source: Reference Code for Exhibit Application Only
(15) Source: IBEW Local 97 "Blue Contract Book", Hourly Wage Rates Effective 4/1/2020
(16) Source: IBEW Local 97 "Blue Contract Book", Hourly Wage Rates Effective 4/1/2020
(17) Source: IBEW Local 97 "Blue Contract Book", Hourly Wage Rates Effective 4/1/2020
(18) Sum of Columns (15, 16, 17)
(19) Assumption: Half hour of wrench time for typical work performed per Western NY OH Line & Electric UG
(20) Source: Company Specified Non-Productive Time Adder
(21) Column (20) times 1 + column (19)
(22) Column (21) times column (18); rounded 2 decimals
(23) Assumptions: 90% of work performed by a one-person crew; 65% performed in metro areas.
(24) Column (23) times column (22)

Exhibit ____(E-RDP-8CU)
Schedule 11
Corrections and Updates
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
P.S.C. No. 214 ELECTRICITY
Proposed Lighting Service Charge
Service Classifications No. 2 & No. 6

Labor Wages

Job Title (25)	Job Title Reference (26)	SAP Job Code (27)	Group/Level (28)	Hourly Wage (29)
Line Mechanic C	LM-2	81090430	19/2	$43.535
Chief Line Mechanic A	LM-3	81090484	21/2	$47.455
Chief Line Mechanic A-Hot Stick	HS-2	81090440	22/7	$52.115
Chief Line Mechanic B-Hot Stick	HS-3	81090442	24/2	$54.052
Street Light Service Mechanic B	SL-2	81090546	16/2	$37.992
Street Light Service Mechanic C	SL-3	81090550	19/2	$43.535
Cable Splicer B	CS-1	81090191	16/2	$37.992
Cable Splicer C	CS-2	81090195	20/2	$45.246
Chief Cable Splicer A	CS-3	81090199	22/2	$49.628

(25) Source: IBEW Local 97 "Blue Contract Book", Hourly Wage Rates Effective 4/1/2020
(26) Source: Reference Code for Exhibit Application Only
(27) Source: IBEW Local 97 "Blue Contract Book", Hourly Wage Rates Effective 4/1/2020
(28) Source: IBEW Local 97 "Blue Contract Book", Hourly Wage Rates Effective 4/1/2020
(29) Source: IBEW Local 97 "Blue Contract Book", Hourly Wage Rates Effective 4/1/2020

Transportation Cost Calculation

Vehicle Description (30)	Fleet Vehicle Reference (31)	Crew Reference (32)	Hourly Rate (33)	Assumed Frequency of Crew Use (34)	Weighted Average Trans. Cost (35)
Aerial Bucket	AER-TA1	OPC-M	$24.71	58.5%	$14.46
Aerial Bucket	AER-MH4	LC2-M	$28.34	2.0%	$0.55
Aerial Bucket	AER-LD	SL2-M	$20.64	2.0%	$0.40
Aerial Bucket	AER-MH4	TC2-M	$28.34	2.0%	$0.55
Van-Walkin (Med. Duty)	WLKVAN-MD	UG3-M	$14.13	0.7%	$0.09
Aerial Bucket	AER-TA1	OPC-D	$24.71	31.5%	$7.78
Aerial Bucket	AER-MH4	LC2-D	$28.34	3.5%	$0.99
			Total:	100.0%	**$24.83**

(36) Transportation Overhead Rate: **58.5%**

(30) Source: General Vehicle Description
(31) Source: NMPC Fleet Vehicle Reference Abbreviation
(32) Source: Reference Code for Exhibit Application Only
(33) Source: NMPC Fleet Vehicle Hourly Rate (FY 2020)
(34) Assumptions: 90% of work performed by a one-person crew; 65% performed in metro areas.
(35) Column (33) times column (34)
(36) Sum of column (35) divided by sum of column (24)

Material Cost Calculation

Material Description (37)	Quantity (38)	Material Cost (39)	Material Cost Total (40)
Primary Material			
Connection:			
Compression Crimp Connector	2	$2.30	$4.60
Mechanical Conductor Connector	2	$4.88	$9.76
Bonding Connector	1	$3.69	$3.69
Miscellaneous Material			
Impressed Stock:			
Tape, Duct Seal, Shrink-wrap Insulation, Corrosion Inhibitor	EA	$8.50	$8.50

(37) Source: Connection Activity Task Material or Miscellaneous Material
(38) Source: Outdoor Lighting
(39) Source: Procurement, as of 1/1/2020
(40) Source: Product of Columns (7, 8)

Exhibit ____(E-RDP-8CU)
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Electric Rate Design Panel

Exhibit __ (E-RDP-8CU)

Lighting Tariff Rate Design

Development of Proposed Outage Credit Allowance

Schedule 12

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 - Private Lighting (Company Owned and Maintained)

Description	(1) Billed Watts Per Lamp	(2) 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	86	359	37,849	21.0%	$8.76	$33.74	$12.36	$2.78	$0.58	$58.22	$0.16	$0.03356
24 HR - 70W	86	359	-	0.0%	$17.52	$33.74	$12.36	$2.78	$0.67	$67.07	$0.18	$0.00000
100W	118	492	64,239	35.6%	$8.76	$46.24	$16.94	$3.81	$0.77	$76.52	$0.21	$0.07475
24 HR - 100W	118	492	40	0.0%	$17.52	$46.24	$16.94	$3.81	$0.85	$85.36	$0.23	$0.00005
150W	173	721	30,666	17.0%	$8.76	$67.76	$24.82	$5.59	$1.08	$108.01	$0.30	$0.05098
24 HR - 150W	173	721	57	0.0%	$17.52	$67.76	$24.82	$5.59	$1.17	$116.86	$0.32	$0.00010
250W	304	1,268	18,775	10.4%	$8.76	$119.17	$43.65	$9.83	$1.83	$183.24	$0.50	$0.05202
24 HR - 250W	304	1,268	109	0.1%	$17.52	$119.17	$43.65	$9.83	$1.92	$192.09	$0.53	$0.00032
400W	470	1,960	4,116	2.3%	$8.76	$184.20	$67.47	$15.19	$2.78	$278.40	$0.76	$0.01733
24 HR - 400W	470	1,960	-	0.0%	$17.52	$184.20	$67.47	$15.19	$2.87	$287.25	$0.79	$0.00000
1000W	1106	4,612	109	0.1%	$0.00	$433.44	$158.75	$35.74	$6.34	$634.27	$1.74	$0.00105
Metal Halide												
175W	207	863	2,275	1.3%	$60.48	$81.10	$29.71	$6.69	$1.80	$179.78	$0.49	$0.00618
250W	295	1,230	290	0.2%	$60.48	$115.60	$42.34	$9.53	$2.30	$230.25	$0.63	$0.00101
400W	451	1,881	648	0.4%	$60.48	$176.78	$64.75	$14.58	$3.20	$319.79	$0.88	$0.00316
1000W	1078	4,495	2	0.0%	$0.00	$422.44	$154.72	$34.83	$6.18	$618.17	$1.69	$0.00002
Mercury Vapor												
100W	130	542	341	0.2%	$0.00	$50.94	$18.66	$4.20	$0.75	$74.55	$0.20	$0.00038
175W	211	880	995	0.6%	$0.00	$82.70	$30.29	$6.82	$1.21	$121.02	$0.33	$0.00182
400W	477	1,989	270	0.1%	$0.00	$186.93	$68.46	$15.41	$2.74	$273.54	$0.75	$0.00112
1000W	1095	4,566	2	0.0%	$0.00	$429.11	$157.17	$35.38	$6.28	$627.94	$1.72	$0.00002
LED												
LL Roadway LED-B	25	104	12,794	7.1%	$0.00	$9.77	$3.58	$0.81	$0.14	$14.30	$0.04	$0.00284
24 HR - LL Roadway LED-B	25	104	-	0.0%	$0.00	$9.77	$3.58	$0.81	$0.14	$14.30	$0.04	$0.00000
LL Roadway LED-C	48	200	3,812	2.1%	$0.00	$18.80	$6.88	$1.55	$0.28	$27.51	$0.08	$0.00169
24 HR - LL Roadway LED-C	48	200	-	0.0%	$0.00	$18.80	$6.88	$1.55	$0.28	$27.51	$0.08	$0.00000
LL Roadway LED-D	96	400	2,760	1.5%	$0.00	$37.59	$13.77	$3.10	$0.55	$55.01	$0.15	$0.00229
24 HR - LL Roadway LED-D	96	400	-	0.0%	$0.00	$37.59	$13.77	$3.10	$0.55	$55.01	$0.15	$0.00000
LL Roadway LED-F	210	876	315	0.2%	$0.00	$82.33	$30.15	$6.79	$1.20	$120.47	$0.33	$0.00058
24 HR - LL Roadway LED-F	210	876	-	0.0%	$0.00	$82.33	$30.15	$6.79	$1.20	$120.47	$0.33	$0.00000
		Total	180,464	100.0%								

Proposed SC-2 Outage Credit per Lamp per Night: **$0.25**

Proposed Base T&D rate (a) 0.09398

Forecast Volumetric Delivery Adjustments (b)	
Earnings Adjustment Mechamism	0.00026
DLM Surcharge	-0.000007
Legacy Transition Charge	0.002296
System Benefit Charge	0.00520
Total:	0.007749

Forecast Commodity Charges (c)	
Electricity Supply Cost (Weighted)	0.028558
Merchant Function Charge	0.00011
Clean Energy Surcharge	0.00576
Total:	0.034421

Days/Year	365
Revenue Tax on Delivery and Commodity:	1.0101%

(a) Source: Exhibit ___ (E-RDP-8CU), Schedule 1, page 1
(b) Source: Exhibit ___ (E-RDP-8CU), Schedule 13, page 1
(c) Source: Exhibit ___ (E-RDP-8CU), Schedule 13, page 1

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)

Description	(1) Billed Watts Per Lamp	(2) 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	86	359	4	0.2%	n/a	$23.16	$12.36	$2.78	$0.39	$38.69	$0.11	$0.00017
100W	118	492	89	3.4%	n/a	$31.74	$16.94	$3.81	$0.53	$53.02	$0.15	$0.00508
150W	173	721	731	27.8%	n/a	$46.52	$24.82	$5.59	$0.78	$77.71	$0.21	$0.05837
250W	304	1,268	1,754	66.7%	n/a	$81.81	$43.65	$9.83	$1.37	$136.66	$0.37	$0.24676
400W	470	1,960	21	0.8%	n/a	$126.46	$67.47	$15.19	$2.11	$211.23	$0.58	$0.00463
Metal Halide												
175W	207	863	2	0.1%	n/a	$55.68	$29.71	$6.69	$0.93	$93.01	$0.25	$0.00019
400W	451	1,881	11	0.4%	n/a	$121.36	$64.75	$14.58	$2.03	$202.72	$0.56	$0.00234
Mercury Vapor												
175W	211	880	18	0.7%	n/a	$56.78	$30.29	$6.82	$0.95	$94.84	$0.26	$0.00178
		Total	2,630	100.0%								

Proposed SC-3 Outage Credit per Lamp per Night: **$0.32**

Proposed Base T&D rate (a) 0.06452

Forecast Volumetric Delivery Adjustments (b)	
Earnings Adjustment Mechamism	0.00026
DLM Surcharge	-0.000007
Legacy Transition Charge	0.002296
System Benefit Charge	0.00520
Total:	0.007749

Forecast Commodity Charges (c)	
Electricity Supply Cost (Weighted)	0.028558
Merchant Function Charge	0.00011
Clean Energy Surcharge	0.00576
Total:	0.034421

Days/Year	365
Revenue Tax on Delivery and Commodity:	1.0101%

(a) Source: Exhibit ___ (E-RDP-8CU), Schedule 1, page 1
(b) Source: Exhibit ___ (E-RDP-8CU), Schedule 13, page 1
(c) Source: Exhibit ___ (E-RDP-8CU), Schedule 13, page 1

Service Classification No. 6 - Street Lighting (Customer Owned, Company Maintained)

Description	(1) Billed Watts Per Lamp	(2) 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	86	359	3	1.3%	$8.64	$23.16	$12.36	$2.78	$0.47	$47.41	$0.13	$0.00170
100W	118	492	86	37.6%	$9.96	$31.74	$16.94	$3.81	$0.63	$63.08	$0.17	$0.06384
150W	173	721	58	25.3%	$10.44	$46.52	$24.82	$5.59	$0.88	$88.25	$0.24	$0.06079
250W	304	1,268	65	28.4%	$10.20	$81.81	$43.65	$9.83	$1.47	$146.96	$0.40	$0.11354
400W	470	1,960	17	7.4%	$9.00	$126.46	$67.47	$15.19	$2.20	$220.32	$0.60	$0.04454
		Total	229	100.0%								

Proposed SC-6 Outage Credit per Lamp per Night: **$0.28**

Proposed Base T&D rate (a) 0.06452

Forecast Volumetric Delivery Adjustments (b)	
Earnings Adjustment Mechamism	0.00026
DLM Surcharge	-0.000007
Legacy Transition Charge	0.002296
System Benefit Charge	0.00520
Total:	0.007749

Forecast Commodity Charges (c)	
Electricity Supply Cost (Weighted)	0.028558
Merchant Function Charge	0.00011
Clean Energy Surcharge	0.00576
Total:	0.034421

Days/Year	365
Revenue Tax on Delivery and Commodity:	1.0101%

(a) Source: Exhibit ___ (E-RDP-8CU), Schedule 1, page 1
(b) Source: Exhibit ___ (E-RDP-8CU), Schedule 13, page 1
(c) Source: Exhibit ___ (E-RDP-8CU), Schedule 13, page 1

Electric Rate Design Panel

Exhibit __ (E-RDP-8CU)

Lighting Tariff Rate Design

Estimated Customer Impacts of Proposed Rates

Schedule 13

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

	Rate Year 1 at Present Rates			Rate Year 1 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									
Electricity Supply Cost - Western	0.02715	0.02715	0.03251	0.02715	0.02715	0.03251	0.0%	0.0%	0.0%
Electricity Supply Cost - Central	0.02473	0.02473	0.02864	0.02473	0.02473	0.02864	0.0%	0.0%	0.0%
Electricity Supply Cost - Eastern	0.03379	0.03379	0.03717	0.03379	0.03379	0.03717	0.0%	0.0%	0.0%
Merchant Function Charge (MFC)	0.00012	0.00012	0.00012	0.00011	0.00011	0.00011	-9.5%	-9.5%	-9.5%
MFC %	0.697%	0.697%	0.697%	0.819%	0.819%	0.819%	17.5%	17.5%	17.5%
Clean Energy Standard (CES)	0.00576	0.00576	0.00576	0.00576	0.00576	0.00576	0.0%	0.0%	0.0%
TOTAL COMMODITY (WESTERN)	0.033228	0.033228	0.038616	0.033250	0.033250	0.038644	0.1%	0.1%	0.1%
TOTAL COMMODITY (CENTRAL)	0.030789	0.030789	0.034721	0.030807	0.030807	0.034744	0.1%	0.1%	0.1%
TOTAL COMMODITY (EASTERN)	0.039907	0.039907	0.043314	0.039937	0.039937	0.043348	0.1%	0.1%	0.1%
DELIVERY RATES									
Base Delivery Rates	0.08834	0.06065	0.01103	0.09398	0.06452	0.01173	6.4%	6.4%	6.3%
Dynamic Load Management (DLM)	-0.000007	-0.000007	-0.000007	-0.000007	-0.000007	-0.000007	0.0%	0.0%	0.0%
Legacy Transition Charge (LTC)	0.002296	0.002296	0.002296	0.002296	0.002296	0.002296	0.0%	0.0%	0.0%
System Benefit Charge (SBC)	0.00520	0.00520	0.00520	0.00520	0.00520	0.00520	0.0%	0.0%	0.0%
Earnings Adjustment Mechanism (EAM)	0.00026	0.00026	0.00026	0.00026	0.00026	0.00026	0.0%	0.0%	0.0%
DELIVERY SUMMARY	0.096089	0.068399	0.018779	0.101729	0.072269	0.019479	5.9%	5.7%	3.7%
TOTAL VOLUMETRIC RATE (WESTERN)	0.129317	0.101627	0.057396	0.134979	0.105519	0.058124	4.4%	3.8%	1.3%
TOTAL VOLUMETRIC RATE (CENTRAL)	0.126878	0.099188	0.053500	0.132537	0.103077	0.054224	4.5%	3.9%	1.4%
TOTAL VOLUMETRIC RATE (EASTERN)	0.135996	0.108306	0.062094	0.141666	0.112206	0.062828	4.2%	3.6%	1.2%
GRT Delivery	3.0928%	3.0928%	3.0928%	3.0928%	3.0928%	3.0928%	0.0%	0.0%	0.0%
GRT Commodity	1.0101%	1.0101%	1.0101%	1.0101%	1.0101%	1.0101%	0.0%	0.0%	0.0%

Note: RDM, VDER, NWA, ESS, CESD, TRAC, & ESRM surcharges are estimated as $0.

Exhibit ____(E-RDP-8CU)
Schedule 13
Corrections and Updates
Page 1 of 8

SC1 Customer Bill Impact Analysis RY1								
			# acct	% of acct		$ Impact		Impact/acct
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%	0	0%	$	-		
Increase of	1%	2%	0	0%	$	-		
Increase of	2%	3%	0	0%	$	-		
Increase of	3%	4%	480	7%	$	3,320	$	7
Increase of	4%	5%	1,421	22%	$	62,649	$	44
Increase of	5%	6%	4,592	70%	$	149,262	$	33
Increase of	6%	7%	37	1%	$	5,441	$	147
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%	0	0%	$	-		
	Totals (annual impact)		6,530	100%	$	220,673	$	34

SC2 Customer Bill Impact Analysis RY1								
			# acct	% of acct		$ Impact		Impact/acct
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%	0	0%	$	-		
Increase of	1%	2%	0	0%	$	-		
Increase of	2%	3%	0	0%	$	-		
Increase of	3%	4%	173	12%	$	54,589	$	316
Increase of	4%	5%	120	8%	$	57,498	$	479
Increase of	5%	6%	929	62%	$	1,796,123	$	1,933
Increase of	6%	7%	276	18%	$	405,645	$	1,470
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%	0	0%	$	-		
	Totals (annual impact)		1,498	100%	$	2,313,856	$	1,545

Customer Total Bill Impact from Phase-Out of Price Exceptions*			
Customer	**Impact %**		**Impact $**
Customer 1	5.60%	$	848
Customer 2	6.08%	$	628,807
Customer 3	5.65%	$	55,391
Customer 4	6.24%	$	223,502
Customer 5	5.66%	$	9,986
Customer 6	7.11%	$	21,760
Customer 7	5.57%	$	2,079
Customer 8	5.52%	$	5,477
	Total:	**$**	**947,849**

**Total impact includes listed customers' non-PE facility impacts.*

SC3 Customer Bill Impact Analysis RY1								
			# acct	% of acct		$ Impact		Impact/acct
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%	0	0%	$	-		
Increase of	1%	2%	0	0%	$	-		
Increase of	2%	3%	0	0%	$	-		
Increase of	3%	4%	281	99%	$	184,989	$	658
Increase of	4%	5%	4	1%	$	704	$	176
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%	0	0%	$	-		
	Totals (annual impact)		285	100%	$	185,693	$	652

SC4 Customer Bill Impact Analysis RY1								
			# acct	% of acct		$ Impact		Impact/acct
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%	0	0%	$	-		
Increase of	1%	2%	0	0%	$	-		
Increase of	2%	3%	99	4%	$	3,016	$	30
Increase of	3%	4%	354	14%	$	9,044	$	26
Increase of	4%	5%	600	23%	$	13,641	$	23
Increase of	5%	6%	1,403	54%	$	30,150	$	21
Increase of	6%	7%	123	5%	$	2,539	$	21
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%	0	0%	$	-		
	Totals (annual impact)		2,579	100%	$	58,389	$	23

SC5 Customer Bill Impact Analysis RY1								
			# acct	% of acct		$ Impact		Impact/acct
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%	0	0%	$	-		
Increase of	1%	2%	0	0%	$	-		
Increase of	2%	3%	0	0%	$	-		
Increase of	3%	4%	0	0%	$	-		
Increase of	4%	5%	1	25%	$	12,104	$	12,104
Increase of	5%	6%	3	75%	$	288	$	96
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%	0	0%	$	-		
	Totals (annual impact)		4	100%	$	12,392	$	3,098

SC6 Customer Bill Impact Analysis RY1								
			# acct	% of acct		$ Impact		Impact/acct
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%	0	0%	$	-		
Increase of	1%	2%	0	0%	$	-		
Increase of	2%	3%	0	0%	$	-		
Increase of	3%	4%	1	13%	$	144	$	144
Increase of	4%	5%	7	88%	$	803	$	115
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%	0	0%	$	-		
	Totals (annual impact)		8	100%	$	947	$	118

Electric Revenue Decoupling Mechanism

July 1, 2021 - June 30, 2022

Service Classification	Annual Target Revenues
SC1	$1,062,831,113
SC1C	$12,078,884
SC2ND	$76,552,738
SC2D	$202,888,025
SC3 Sec	$142,690,902
SC3 Pri	$48,823,750
SC3 Sub/Tran	$7,505,634
SC3A Sec/Pri	$26,515,223
SC3A Sub	$15,970,331
SC3A Tran	$52,330,858
PSC 214 (all classes)	$46,266,275
Totals	$1,694,453,734

Notes:
RDM Targets are the 'Computed Distribution Revenue' for Rate Year ending June 30, 2022 as found in Exhbit ___(E-RDP-4CU), Schedule 4, Page 2 of 2.
RDM Targets are the sum of the proposed Customer Charge Revenue, Demand Charge Revenue, kWh Delivery Charge Revenue and RKVA Revenue.
Demand Charge Revenue includes NYPA ETIP Sur-credits.

Electric Rate Design Panel

Exhibit __ (E-RDP-10CU)

Marginal Cost of Service Study ("MCOSS")

Index

Index to Marginal Cost Study

Niagara Mohawk Power Company (Electric) dba National Grid
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022

Index

Line	Schedule	Reference
1	Index	E-RDP-10CU, Index
2	Marginal Costs- Summary	E-RDP-10CU, Sch. 1
3	Marginal Demand-Related Costs	E-RDP-10CU, Sch. 2
4	Marginal Customer-Related Costs	E-RDP-10CU, Sch. 3
5	Customer-Related Ongoing Costs	E-RDP-10CU, Sch. 4
6	Economic Carrying Charge Imputs	E-RDP-10CU, Sch. 5
7	Electric Plant in Service	E-RDP-10CU, Sch. 5A
8	Other Taxes	E-RDP-10CU, Sch. 5B
9	O&M Costs	E-RDP-10CU, Sch. 5C
10	Marginal Capital Costs- Lead	E-RDP-10CU, Sch. 6
11	Transmission Capital Costs	E-RDP-10CU, Sch. 6A
12	Primary and Secondary Distribution Capital Costs	E-RDP-10CU, Sch. 6B
13	Transformers Capital Costs	E-RDP-10CU, Sch. 6C
14	Services Capital Costs	E-RDP-10CU, Sch. 6D
15	Meter Costs	E-RDP-10CU, Sch. 6E
16	Excelsior Jobs Program (EZR / EJP) Marginal Rates	E-RDP-10CU, Sch. 7
17	Phase-in Plan for Excelsior Jobs Program (EZR / EJP) Rates	E-RDP-10CU, Sch. 8

Exhibit____ (E-RDP-10CU)
Index to E-RDP-10CU
Corrections and Updates
Page 1 of 1

Electric Rate Design Panel

Exhibit __ (E-RDP-10CU)

Marginal Cost of Service Study ("MCOSS")

Schedule 1

Marginal Costs - Summary

Niagara Mohawk Power Company (Electric) dba National Grid
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022
Marginal Costs- Summary

		Demand Costs			Customer Costs			Total Costs
Line	**Rate Class**	**Annual Cost per kW**	**Transmission 1CP Factor**	**Marginal Cost, Annual Basis**	**Annual Cost per Customer**	**No. of Customers**	**Marginal Cost, Annual Basis**	**Total Annual Cost**
		(A)	(B)	(C) = (A) * (B)	(D)	(E)	(F) = (D) * (E)	(G) = (C) + (F)
1	Residential	$182.08	2,499,088	$455,030,847	$228	1,511,253	$344,156,935	$799,187,782
2	Residential TOU	$158.00	48,943	$7,733,074	$369	5,262	$1,944,091	$9,677,165
3	Small General No Dem	$98.40	153,315	$15,085,576	$301	118,506	$35,695,122	$50,780,698
4	Small General Demand	$98.41	799,580	$78,683,163	$950	49,395	$46,906,920	$125,590,083
5	Large General-Sec	$92.35	723,837	$66,846,399	$2,632	3,719	$9,788,824	$76,635,222
6	Large General-Pri	$70.12	293,146	$20,556,808	$5,495	739	$4,060,448	$24,617,255
7	Large General-Tran	$41.10	104,417	$4,291,748	$11,917	177	$2,111,533	$6,403,281
8	Large General TOU-S/P	$71.71	143,990	$10,324,808	$22,826	69	$1,563,720	$11,888,528
9	Large General TOU-U	$69.71	223,961	$15,613,376	$12,272	70	$857,518	$16,470,893
10	Large General TOU-T	$41.10	851,011	$34,978,240	$13,187	99	$1,302,630	$36,280,871
11	Lighting					10,956		
12	Total - Excluding Lighting		5,841,287	$709,144,039		1,689,288	$448,387,741	$1,157,531,780

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Electric Rate Design Panel

Exhibit __ (E-RDP-10CU)

Marginal Cost of Service Study ("MCOSS")

Schedule 2

Marginal Demand-Related Costs

Niagara Mohawk Power Company (Electric) dba National Grid
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022
Marginal Demand-Related Costs

Line	Rate Class	Rate Code	Initial Capital Cost (1)			Economic Carrying Charge Rate (2)			Annual per kW Demand Costs	Monthly per kW Demand Costs
			Trans-mission/ Sub-transmission	Primary/ Secondary Distribution	Transformers	Transmission Plant	Primary / Secondary Plant	Transformers		
	(A)	(B)	(C) per Kw	(D) per Kw	(E) per Kw	(F)	(G)	(H)	(I) = (C*F) + (D*G) + (E*H)	(J) = (I)/12
1	Residential	SC-1	$370.54	$810.33	$351.27	11.1%	13.8%	8.3%	**$182.08**	**$15.17**
2	Residential TOU	SC-1C	$370.54	$810.33	$62.45	11.1%	13.8%	8.3%	**$158.00**	**$13.17**
3	Small General No Dem	SC-2-ND	$370.54	$200.14	$356.34	11.1%	13.8%	8.3%	**$98.40**	**$8.20**
4	Small General Demand	SC-2-Dem	$370.54	$200.14	$356.46	11.1%	13.8%	8.3%	**$98.41**	**$8.20**
5	Large General-Sec	SC-3-S	$370.54	$260.68	$183.73	11.1%	13.8%	8.3%	**$92.35**	**$7.70**
6	Large General-Pri	SC-3-P	$370.54	$210.56	-	11.1%	13.8%	8.3%	**$70.12**	**$5.84**
7	Large General-Tran	SC-3-T	$370.54	-	-	11.1%	13.8%	8.3%	**$41.10**	**$3.43**
8	Large General TOU-S/P	SC-3A-S/P	$370.54	$211.74	$17.01	11.1%	13.8%	8.3%	**$71.71**	**$5.98**
9	Large General TOU-U	SC-3A-U	$370.54	$207.59	-	11.1%	13.8%	8.3%	**$69.71**	**$5.81**
10	Large General TOU-T	SC-3A-T	$370.54	-	-	11.1%	13.8%	8.3%	**$41.10**	**$3.43**
11	Lighting	SC-L	$370.54	-		11.1%	13.8%	8.3%	**$41.10**	**$3.43**
12										
13	Note:									
14	(1) Costs are Escalated into the Rate Year using a ten year Compound Growth Rate of the Handy-Whitman Index									
15	(2) Ecomomic Carring Charge Rate includes, O&M, Taxes and Insurance									

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Exhibit __ (E-RDP-10CU)

Marginal Cost of Service Study ("MCOSS")

Schedule 3

Marginal Customer-Related Costs

Niagara Mohawk Power Company (Electric) dba National Grid
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022
Marginal Customer-Related Costs

Line	Rate Class	Services (1)			Meters (1)			Customer-Related Ongoing Costs (2)	Annual per Customer	Monthly per Customer
		Investment	ECCR Factor	Annual Cost	Investment	ECCR Factor	Annual Cost			
		(A)	(B)	(C) = (A) * (B)	(D)	(E)	(F) = (D) * (E)	(G)	(H) = (C) + (F) + (G)	(I) = (H)/12
1	Residential	$1,546.89	7.74%	$119.78	$282.19	15.63%	$44.11	$63.83	$227.73	$18.98
2	Residential TOU	$1,546.89	7.74%	$119.78	$586.29	15.63%	$91.65	$158.03	$369.47	$30.79
3	Small General No Dem	$2,632.65	7.74%	$203.86	$319.15	15.63%	$49.89	$47.46	$301.21	$25.10
4	Small General Demand	$3,718.40	7.74%	$287.94	$3,059.06	15.63%	$478.21	$183.48	$949.62	$79.14
5	Large General-Sec	$3,718.40	7.74%	$287.94	$3,742.33	15.63%	$585.02	$1,759.30	$2,632.26	$219.35
6	Large General-Pri	$3,718.40	7.74%	$287.94	$8,336.10	15.63%	$1,303.14	$3,903.89	$5,494.97	$457.91
7	Large General-Tran	$3,718.40	7.74%	$287.94	$70,606.82	15.63%	$11,037.59	$591.46	$11,916.99	$993.08
9	Large General TOU-S/P	$3,718.40	7.74%	$287.94	$6,023.42	15.63%	$941.61	$21,596.31	$22,825.86	$1,902.15
9	Large General TOU-U	$3,718.40	7.74%	$287.94	$70,606.82	15.63%	$11,037.59	$946.31	$12,271.85	$1,022.65
9	Large General TOU-T	$3,718.40	7.74%	$287.94	$70,606.82	15.63%	$11,037.59	$1,861.27	$13,186.80	$1,098.90
11	Lighting									
12										
13	Note:									
14	(1) Costs are Escalated into the Rate Year using a ten year Compound Growth Rate of the Handy-Whitman Index									
15	(2) Dollars are based on Costs in the Rate Year from the Embedded Cost of Service Study									
16										

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Electric Rate Design Panel

Exhibit __ (E-RDP-10CU)

Marginal Cost of Service Study ("MCOSS")

Schedule 4

Customer-Related Ongoing Costs

Niagara Mohawk Power Company (Electric) dba National Grid
Marginal Class Study ($000s) (CU)- Rate Year Ending Ju
Customer-Related Ongoing Costs

Line	Customer-Related Accounts	Balance	Residential	Resid-ential TOU	Small General No Dem	Small General Demand	Large General-Sec	Large General-Pri	Large General-Tran	Large General TOU-S/P	Large General TOU-U	Large General TOU-T	Lighting	Labor Content
1	Customer Accounts and Records	$48,740	$43,979	$339	$2,068	$1,571	$257	$85	$61	$27	$38	$104	$211	39.59%
2	Uncollectible- Delivery	0												
3	Customer Service & Info Expenses	40,880	23,722	254	2,073	5,710	5,354	2,407	2	1,257	1	1	99	9.30%
4	Labor-related costs	34,072	28,765	238	1,483	1,781	932	393	42	195	28	79	136	
5	Annual Expense ($)	$123,692	$96,465	$832	$5,624	$9,063	$6,542	$2,885	$105	$1,479	$66	$184	$446	
6														
7	Average Number of Customers	1,700,244	1,511,253	5,262	118,506	49,395	3,719	739	177	69	70	99	10,956	
8	Cost per Customer-Year	$72.75	$63.83	$158.03	$47.46	$183.48	$1,759	$3,904	$591	$21,596	$946	$1,861	$40.74	
9	Cost per Customer-Month	$6.06	$5.32	$13.17	$3.95	$15.29	$146.61	$325.32	$49.29	$1,799.69	$78.86	$155.11	$3.40	
10														
11	Labor Costs included above	23,097	19,617	158	1,011	1,153	599	257	24	128	15	41	93	
12	Total Labor costs	235,370	151,633	1,260	11,274	27,540	19,382	7,617	897	3,801	1,283	4,536	6,148	
13	% of Total Labor in items above	9.81%	12.94%	12.53%	8.97%	4.19%	3.09%	3.38%	2.73%	3.36%	1.16%	0.91%	1.51%	
14														
15	A&G-Salaries	71,974	46,032	383	3,433	8,735	5,954	2,336	276	1,164	393	1,388	1,880	
16	A&G-Office Supplies	40,950	26,205	218	1,965	4,854	3,423	1,345	158	671	226	800	1,083	
17	A&G Outside Services	63,688	40,734	339	3,057	7,568	5,330	2,097	247	1,046	351	1,240	1,677	
18	A&G-Rents / General Plant	41,199	23,210	240	1,666	5,459	4,193	1,463	309	729	630	2,382	919	
19	Injuires & Damages	11,298	7,279	60	541	1,322	930	366	43	182	62	218	295	
20	Employee Benefits	56,327	36,288	301	2,698	6,591	4,638	1,823	215	910	307	1,085	1,471	
21	Payroll taxes	20,925	13,481	112	1,002	2,448	1,723	677	80	338	114	403	547	
22	Subtotal	306,361	193,228	1,654	14,363	36,977	26,191	10,106	1,328	5,040	2,083	7,518	7,872	
23	General / Common Plant	46,149	29,107	249	2,164	5,570	3,945	1,522	200	759	314	1,132	1,186	
24	Labor-related costs	352,510	222,335	1,903	16,527	42,547	30,137	11,629	1,528	5,800	2,397	8,650	9,058	
25														
26	General Plant	341,060												
27	Common Plant	255,964												
28	Accumulated Depreciation	(279,821)												
29		317,203												
30	Rate of Return	6.31%												
31	Return on General / Common Plant	20,016												
32	Income Tax Gross-up	35.38%												
33	Income Tax expense	7,082												
34	Depreciation / Amortization expense	19,052												
35	General / Common Plant	46,149	29,107	249	2,164	5,570	3,945	1,522	200	759	314	1,132	1,186	
36														

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Electric Rate Design Panel

Exhibit __ (E-RDP-10CU)

Marginal Cost of Service Study ("MCOSS")

Schedule 5

Economic Carrying Charge Inputs

Niagara Mohawk Power Company (Electric) dba National Grid
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022
Economic Carrying Charge Imputs

Line	Account Title	Account	Weighting (from Schedule 5A)	Book Life	Salvage Value	Economic Carrying Charge Rate
1	Transmission Plant	350-359		55.47	(30.0%)	11.09%
2						
3	Station Equipment	362	20%	58	(14.7%)	
4	Poles, Towers and Fixtures	364	28%	65	(33.5%)	
5	Overhead Conductors and Device	365	31%	55	(47.0%)	
6	Underground Conduit	366	5%	70	(16.3%)	
7	Underground Conductors & Devi	367	16%	75	(31.5%)	
8	Weighted Primary/Secondary Pla	362-367	100%	62.4	(32.6%)	13.78%
9						
10	Line Transformers	368		36	(20.7%)	8.34%
11						
12	OH Services	369		55	(46.8%)	7.74%
13						
14	Meters	370		20	(13.0%)	15.63%
15						

16 **Annual Economic Carrying Charge Rate Parameters**

		Cost of Capital	O&M Expense	Insurance	Property Tax	HW Cost Inflator
18	Applied to==>	Rate Base	Gross plant / Inflated	Gross plant / Inflated	Net Plant	Compound Annual Rate 2007-2016
19			From Schedule 5C		From Schedule 5B	
20	Transmission	6.31%	3.66%	0.10%	2.85%	1.0318
21						
22	Primary/Secondary	6.31%	6.51%	0.10%	2.85%	1.0309
23						
24	Transformers	6.31%	0.22%	0.10%	2.85%	1.0761
25						
26	Service	6.31%	1.88%	0.10%		1.0263
27						
28	Meters	6.31%	4.40%	0.10%		1.0132
29						
30	**Other Factors**					
31	General Inflation (from 12/31/19 to 6/30/22)		3.1634%	Years=	2.50	
32	Annual Rate		1.2536%			
33						
34	WACC	6.31%				
35	Wtd Equity	4.56%				

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Electric Rate Design Panel

Exhibit __ (E-RDP-10CU)

Marginal Cost of Service Study ("MCOSS")

Schedule 5A

Electric Plant in Service

Niagara Mohawk Power Company (Electric) dba National Grid
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022
Electric Plant in Service

Line	Account Description	Account No.	Balance ($000s)	Primary and Secondary ($000s)	Primary and Secondary %
1	C. TRANSMISSION PLANT				
2	Transmission Plant	350	3,846,266		
3	Subtotal - TRANSMISSION PLANT	350-359	3,846,266		
4					
5	D. DISTRIBUTION PLANT				
6	Land and Land Rights	360	63,116		
7	Structures and Improvements	361	55,622		
8	Station Equipment	362	973,127	973,127	20%
9	Poles, Towers and Fixtures	364	1,342,040	1,342,040	28%
10	Overhead Conductors and Devices	365	1,501,566	1,501,566	31%
11	Underground Conduit	366	266,245	266,245	5%
12	Underground Conductors & Devices	367	790,738	790,738	16%
13	Line Transformers	368	1,110,485		
14	Services	369	559,898		
15	Meters	370	196,422		
16	Installs on Customer Premises	371	14,643		
17	Street Lighting & Signal Systems	373	250,701		
18	Asset Retire Costs for Dist Plant	374	10,879		
19	Total Distribution Plant	360-373	7,135,482	4,873,716	100%
20					
21	TOTAL TRANSMISSION & DISTRIBUTION PLANT		10,981,748		
22					
23	II. DEPRECIATION RESERVE				
24	Transmission Plant	108.5	705,320		
25	Distribution- Land, Land Rights, Substations,	108.5	241,701		
26	Distribution- PTF / OH / UG	108.5	1,341,410		
27	Distribution- Line Transformers	108.5	366,325		
28	Distribution- Services	108.5	293,556		
29	Distribution- Meters	108.5	39,365		
30	Distribution- Lighting	108.5	87,284		
31	Distribution- Other	108.5	8,635		
32	Total Depreciation Reserve	108	3,083,596		
33	Net Plant		7,898,152		
34					
35	Net Plant Summary				
36	Net Services Plant		266,342		
37	Net Meter Plant		157,057		
38	Net All Other Plant		7,474,753		
39	Net Plant for Tax Bases		7,898,152		

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Schedule 5A
Corrections and Updates
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Electric Rate Design Panel

Exhibit __ (E-RDP-10)

Marginal Cost of Service Study ("MCOSS")

Schedule 5B

Other Taxes

Niagara Mohawk Power Company (Electric) dba National Grid
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2(

Other Taxes

Line	Account Description	Account No.	Real Estate & Special Franchises ($000)
1	General Taxes		
2	Municipal taxes	408.3	213,016
3	Other taxes	408	229
4	Subtotal - General Taxes		213,245
5			
6	Net Plant Summary		
7	Net Plant for Tax Bases	From Schedule 5A	7,474,753
8			
9	Tax rate for Transmission, Primary and Secondary Distribution and Transfor		2.853%
10			

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Electric Rate Design Panel

Exhibit __ (E-RDP-10CU)

Marginal Cost of Service Study ("MCOSS")

Schedule 5C

O&M Costs

Niagara Mohawk Power Company (Electric) dba National Grid
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022
O&M Costs

Line	Account Description	Account No.	Total	Transmission	Primary / Secondary	Transformers	Service	Meters	Labor
1	COST VALUES			3,846,266	4,873,716	1,183,441	2,714,758	646,177	
2	*Source*			*Historical*	*Historical*	*Replacement*	*Replacement*	*Replacement*	
3									
4	Purchased Power	555	570,529						
5	Transmission O&M	580	96,343	96,343					30.66%
6	Operation Supervision & Engineering	580	13,529						65.59%
7	Load Dispatching	581	10,003						87.82%
8	Station Expenses	582	5,618		5,618				63.71%
9	Overhead Line Expenses	583	18,229		15,230		2,999		53.37%
10	Underground Line Expenses	584	8,542		8,542				10.03%
11	Street Light and Signal Systems	585	1,164						30.84%
12	Meter Expenses	586	12,097					12,097	81.82%
13	Customer Installation Expenses	587	6,696						89.47%
14	Misc. Distribution Expenses	588	40,588						71.84%
15	Rents	589	528						0.00%
16	Maint Supervision & Engineering	590	3,168						6.98%
17	Maint of Structures	591	1,978		1,978				28.01%
18	Maintenance of Station Equipment	592	8,236		8,236				64.44%
19	Maintenance of Overhead Lines	593	183,036		152,925		30,111		34.54%
20	Maintenance of Underground Lines	594	11,150		11,150				41.52%
21	Maintenance of Line Transformers	595	1,422			1,422			55.49%
22	Maintenance of Street Lights	596	5,302						78.20%
23	Maintenance of Meters	597	695					695	81.44%
24	Maintenance of Misc. Plant	599	3,888						8.28%
25	Total - OPER. AND MAINT. EXP.	500-599	1,002,741	96,343	203,680	1,422	33,109	12,792	
26									
27	Labor Content	186,529	128,673	29,540	75,879	789	12,001	10,464	
28	Total Labor costs			235,370	235,370	235,370	235,370	235,370	
29	% of Total Labor in items above			12.55%	32.24%	0.34%	5.10%	4.45%	
30	Total Labor-related costs			352,510	352,510	352,510	352,510	352,510	
31	Applicable Labor-related costs			44,242	113,643	1,182	17,974	15,672	
32									
33	Total Costs			140,585	317,322	2,604	51,083	28,464	
34									
35	O&M Rates as % of cost			3.66%	6.51%	0.22%	1.88%	4.40%	
36									
37	Allocation of O&M to Plant Components								
38	Poles, Towers and Fixtures	364	1,342,040						
39	Overhead Conductors and Devices	365	1,501,566	84%					
40	Services	369	559,898	16%					
41	Total		3,403,504						

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Schedule 5C
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Electric Rate Design Panel

Exhibit __ (E-RDP-10CU)

Marginal Cost of Service Study ("MCOSS")

Schedule 6

Marginal Capital Costs - Lead

Niagara Mohawk Power Company (Electric) dba National Grid
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022

Marginal Capital Costs- Lead

Schedule	Reference
Transmission Capital Costs	E-RDP-4CU, Sch. 6A
Primary and Secondary Distribution Capital Costs	E-RDP-4CU, Sch. 6B
Transformers Capital Costs	E-RDP-4CU, Sch. 6C
Services Capital Costs	E-RDP-4CU, Sch. 6D
Meter Costs	E-RDP-4CU, Sch. 6E

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Exhibit __ (E-RDP-10CU)

Marginal Cost of Service Study ("MCOSS")

Schedule 6A

Transmission Capital Costs

Niagara Mohawk Power Company (Electric) dba National Grid
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022
Transmission Capital Costs

Line		Substations	Transmission Lines	Total
1	Total cost	$118,323,145	$191,904,308	
2	MW Added	1,544	707	
3	Cost per MW	$76,634	$271,435	$348,069
4	Cost per kW	$76.63	$271.43	$348.07
5				
6	Handy-Whitman Inflation			103.2%
7	Apply for 2 Years			1.065
8	Cost per kW Demand			$370.54

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Exhibit __ (E-RDP-10CU)

Marginal Cost of Service Study ("MCOSS")

Schedule 6B

Primary and Secondary Distribution Capital Costs

Niagara Mohawk Power Company (Electric) dba National Grid
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022
Primary and Secondary Distribution Capital Costs

Line	Rate Class Type	Costs	Customers	Estimated per Customer Demand (kW) (a)	Load at Generation	Demand Portion	$/kW Load at Generation-Test Year	Cost Inflation	$/kW Demand at Generation-Rate Year
1	Residential Distribution Costs	5,175,977	1082	5.75	6,789	79.87%	$762.43	1.063	**$810.33**
2	Commercial Distribution Costs- SC2ND/SC2D	1,470,222			7,807	79.87%	$188.31	1.063	**$200.14**
3	Commercial Distribution Costs- SC3		130%	Estimated					$260.68

4 (a) 25 kVa Transformer X .9 Power Factor = 23 kW, serves 4 customers = 5.75 per customer

5

			Per kW Demand			
6						
7	**Rate Class**	**Rate Code**	**At Generation**	**Portion of Distribution System Used**	**Expansion Factor**	**Distribution Costs**
8	Residential	SC-1	$810.33	1.000	1.000	$810.33
9	Residential TOU	SC-1C	$810.33	1.000	1.000	$810.33
10	Small General No Dem	SC-2-ND	$200.14	1.000	1.000	$200.14
11	Small General Demand	SC-2-Dem	$200.14	1.000	1.000	$200.14
12	Large General-Sec	SC-3-S	$260.68	1.000	1.000	$260.68
13	Large General-Pri	SC-3-P	$260.68	0.826	0.978	$210.56
14	Large General-Tran	SC-3-T				
15	Large General TOU-S/P	SC-3A-S/P	$260.68	0.826	0.984	$211.74
16	Large General TOU-U	SC-3A-U	$260.68	0.826	0.964	$207.59
17	Large General TOU-T	SC-3A-T				
18	Lighting	SC-L				

19

20	**Delivery Level**	**Expansion Factor**	**Cumulative**	**Losses**
21	Transmission	1.021	1.021	0.021
22	Subtransmission	1.025	1.047	0.047
23	Primary	1.014	1.061	0.061
24	Secondary	1.021	1.084	0.084

25

26	**Functional Allocator Factors**	**Weighting***	**Primary**	**Secondary**	**Annual Cost Inflation HW 2007-2019**	**Total Cost Inflation HW 2015-2019**
27	Poles-364	34%	62%	38%	1.024	1.083
28	OverHead Lines-365	38%	98%	2%	1.035	1.135
29	UG Conduit-366	7%	58%	42%	1.028	1.102
30	UG Conductors-367	20%	97%	3%	1.038	1.069
31	Weighted Value	100%	83%	17%	1.031	1.101
32	*Weighted based on Gross Plant values			Apply for 2 Years	1.063	

Exhibit ____(E-RDP-10CU)
Schedule 6B
Corrections and Updates
Page 1 of 1

Electric Rate Design Panel

Exhibit __ (E-RDP-10CU)

Marginal Cost of Service Study ("MCOSS")

Schedule 6C

Transformers Capital Costs

Niagara Mohawk Power Company (Electric) dba National Grid
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022
Transformers Capital Costs

Line	Rate Class	Includes	Trans-NCP	Total Transformers Cost	Total Transformers Cost per kW-Test Year	Cost Inflation	Total Transformers Cost per kW
1	Residential	SC-1	2,499,088	758,051,550	$303.33	1.158	$351.27
2	Residential TOU	SC-1C	48,943	2,639,351	$53.93	1.158	$62.45
3	Small General No Dem	SC-2-ND	153,315	47,176,779	$307.71	1.158	$356.34
4	Small General Demand	SC-2-Dem	799,580	246,118,421	$307.81	1.158	$356.46
5	Large General-Sec	SC-3-S	723,837	114,843,333	$158.66	1.158	$183.73
6	Large General-Pri	SC-3-P	293,146	0	$0.00	1.158	$0.00
7	Large General-Tran	SC-3-T	104,417	0	$0.00	1.158	$0.00
8	Large General TOU-S/P	SC-3A-S/P	143,990	2,115,610	$14.69	1.158	$17.01
9	Large General TOU-U	SC-3A-U	223,961	0	$0.00	1.158	$0.00
10	Large General TOU-T	SC-3A-T	851,011	0	$0.00	1.158	$0.00
11	Lighting	SC-L	1,089	12,495,792	$11,474.81	1.158	$13,288.27
12			5,842,376	1,183,440,836	$202.56	1.158	$234.57
13							
14							
15	Handy-Whitman Inflation	107.6%					
16	Apply for 2 Years	1.158					

Exhibit ____(E-RDP-10CU)
Schedule 6C
Corrections and Updates
Page 1 of 1

Electric Rate Design Panel

Exhibit __ (E-RDP-10CU)

Marginal Cost of Service Study ("MCOSS")

Schedule 6D

Services Capital Costs

Niagara Mohawk Power Company (Electric) dba National Grid
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022
Services Capital Costs

Line	Rate Class	Includes	Customers	Total Services Cost	Average Services Cost-Test Year	Cost Inflation	Average Services Cost-Rate Year
1	Residential	SC-1	1,511,253	2,219,290,189	$1,468.51	1.053	$1,546.89
2	Residential TOU	SC-1C	5,262	7,727,028	$1,468.51	1.053	$1,546.89
3	Small General No Dem	SC-2-ND	118,506	296,176,940	$2,499.25	1.053	$2,632.65
4	Small General Demand	SC-2-Dem	49,395	174,365,198	$3,529.99	1.053	$3,718.40
5	Large General-Sec	SC-3-S	3,719	13,127,328	$3,529.99	1.053	$3,718.40
6	Large General-Pri	SC-3-P	739	2,608,453	$3,529.99	1.053	$3,718.40
7	Large General-Tran	SC-3-T	177	625,468	$3,529.99	1.053	$3,718.40
8	Large General TOU-S/P	SC-3A-S/P	69	241,828	$3,529.99	1.053	$3,718.40
9	Large General TOU-U	SC-3A-U	70	246,665	$3,529.99	1.053	$3,718.40
10	Large General TOU-T	SC-3A-T	99	348,703	$3,529.99	1.053	$3,718.40
11	Lighting	SC-L	10,956	0		1.053	-
12			1,700,244	2,714,757,800			
13							
14	Handy-Whitman Inflation	102.6%					
15	Apply for 2 Years	1.053					

Exhibit ____(E-RDP-10CU)
Schedule 6D
Corrections and Updates
Page 1 of 1

Electric Rate Design Panel

Exhibit __ (E-RDP-10CU)

Marginal Cost of Service Study ("MCOSS")

Schedule 6E

Meter Costs

Niagara Mohawk Power Company (Electric) dba National Grid
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022
Meter Costs

Line	Rate Class	Rate Code	Customer Counts	Meter Costs Test Year	Total Meter Costs Test Year	Cost Inflation	Meter Costs Rate Year	Total Meter Costs Rate Year
1	Residential	SC-1	1,511,253	$274.87	$415,402,004	1.027	$282.19	$426,460,911
2	Residential TOU	SC-1C	5,262	$571.09	3,004,956	1.027	$586.29	3,084,954
3	Small General No Dem	SC-2-ND	118,506	$310.88	36,840,804	1.027	$319.15	37,821,586
4	Small General Demand	SC-2-Dem	49,395	$2,979.74	147,185,047	1.027	$3,059.06	151,103,434
5	Large General-Sec	SC-3-S	3,719	$3,645.29	13,556,073	1.027	$3,742.33	13,916,966
6	Large General-Pri	SC-3-P	739	$8,119.93	6,000,136	1.027	$8,336.10	6,159,872
7	Large General-Tran	SC-3-T	177	$68,775.86	12,186,169	1.027	$70,606.82	12,510,592
8	Large General TOU-S/P	SC-3A-S/P	69	$5,867.22	401,943	1.027	$6,023.42	412,643
9	Large General TOU-U	SC-3A-U	70	$68,775.86	4,805,839	1.027	$70,606.82	4,933,781
10	Large General TOU-T	SC-3A-T	99	$68,775.86	6,793,880	1.027	$70,606.82	6,974,748
11	Lighting	SC-L	10,956		0	1.027	$0.00	0
12	Totals		1,700,244		$646,176,851			$663,379,487
13								
14	Handy-Whitman Inflation	101.3%						
15	Apply for 2 Years	1.027						

Exhibit ____(E-RDP-10CU)
Schedule 6E
Corrections and Updates
Page 1 of 1

Electric Rate Design Panel

Exhibit __ (E-RDP-10CU)

Marginal Cost of Service Study ("MCOSS")

Schedule 7

Excelsior Jobs Program (EJP/EZR) Marginal Rates

E-RDP-10CU, Sch. 7

Niagara Mohawk Power Company (Electric) dba National Grid
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022
Excelsior Jobs Program (EZR / EJP) Marginal Rates

Line	Rate Class	Marginal Demand Cost (000s)	Marginal Customer Cost (000s)	Total Annual Cost ($000s)	No. of Customers	Proposed Customer Charge	Proposed Customer Charge Revenue (000s)	Balance of Marginal Cost ($000s)	MWh Deliveries	Billed kW	Proposed Excelsior Rate Per kWh			Proposed Excelsior Rate Per kW-Demand			Proposed EZR Rate (Per kW/kWh)
											Before ETIP	ETIP	Total	Before ETIP	ETIP	Total	Total
1	Residential	$455,031	$344,157	$799,188	1,511,253	$17.33	$314,280	$484,908	11,190,776								
2	Residential TOU	$7,733	$1,944	$9,677	5,262	$30.62	$1,933	$7,744	283,235								
3	Small General No Dem	$15,086	$35,695	$50,781	118,506	$21.02	$29,892	$20,889	621,729		**$0.0336**	**$0.0034**	**$0.0370**				**$0.0336**
4	Small General Demand	$78,683	$46,907	$125,590	49,395	$49.56	$29,376	$96,214	3,845,253	12,815,766				**$7.51**	**$0.00**	**$7.51**	**$7.51**
5	Large General-Sec	$66,846	$9,789	$76,635	3,719	$463.80	$20,697	$55,938	3,955,765	10,106,071				**$5.54**	**$0.04**	**$5.58**	**$5.54**
6	Large General-Pri	$20,557	$4,060	$24,617	739	$443.00	$3,928	$20,689	1,843,952	4,188,570				**$4.94**	**$0.11**	**$5.05**	**$4.94**
7	Large General-Tran	$4,292	$2,112	$6,403	177	$803.90	$1,709	$4,694	705,886	1,676,532				**$2.80**	**$0.16**	**$2.96**	**$2.80**
8	Large General TOU-S/P	$10,325	$1,564	$11,889	69	$2,038.00	$1,675	$10,213	966,522	2,128,916				**$4.80**	**$0.22**	**$5.02**	**$4.80**
9	Large General TOU-U	$15,613	$858	$16,471	70	$2,481.00	$2,080	$14,391	1,584,597	3,256,952				**$4.42**	**$0.15**	**$4.57**	**$4.42**
10	Large General TOU-T	$34,978	$1,303	$36,281	99	$5,134.00	$6,086	$30,195	7,011,351	11,944,765				**$2.53**	**$0.39**	**$2.92**	**$2.53**
11	Lighting	$0	$0	$0	10,956		$0	$0	185,454								
12	Total - Excluding Lighting	$709,144	$448,388	$1,157,532	1,700,244		$411,658	$745,873	32,194,521	46,117,572							

Exhibit ____(E-RDP-10CU)
Schedule 7
Corrections and Updates
Page 1 of 1

Electric Rate Design Panel

Exhibit __ (E-RDP-10CU)

Marginal Cost of Service Study ("MCOSS")

Schedule 8

Phase-In Plan for Excelsior Jobs Program (EJP/EZR) Rates

Niagara Mohawk Power Corporation d/b/a National Grid
Excelsior Jobs Program - Five Year Phase-in of Marginal Rates

Preliminary EJP Rates

	Service Class	(A) MCOSS EJP Rates	(B) ETIP Adder	(C) Preliminary EJP Rates
SC2ND	Small General No Dem	$0.03360	$0.00336	$0.03696
SC2D	Small General Demand	$7.51	$0.00	$7.51
SC3 Sec	Large General-Sec	$5.54	$0.04	$5.58
SC3 Pri	Large General-Pri	$4.94	$0.11	$5.05
SC3 SubT/Tran	Large General-Tran	$2.80	$0.16	$2.96
SC3A Sec/pri	Large General TOU-S/P	$4.80	$0.22	$5.02
SC3A SubT	Large General TOU-U	$4.42	$0.15	$4.57
SC3A Tran	Large General TOU-T	$2.53	$0.39	$2.92

Five Year Phase-in of Marginal Rates

			Phase-in Percentage		20%	20%	20%	20%	20%
		(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
		Proposed Standard Rate	MCOS EJP Rates	Current RY4 EJP Rates	Rate Year 1	Year 2	Year 3	Year 4	Year 5
SC2ND	Small General No Dem	$0.07505	$0.03360	$0.03741	$0.03360				
SC2D	Small General Demand	$13.54	$7.51	$5.36	$5.79	$6.22	$6.65	$7.08	$7.51
SC3 Sec	Large General-Sec	$12.06	$5.54	$3.64	$4.02	$4.40	$4.78	$5.16	$5.54
SC3 Pri	Large General-Pri	$10.69	$4.94	$2.57	$3.04	$3.52	$3.99	$4.47	$4.94
SC3 SubT/Tran	Large General-Tran	$3.40	$2.80	$1.69	$1.91	$2.13	$2.36	$2.58	$2.80
SC3A Sec/pri	Large General TOU-S/P	$11.72	$4.80	$2.79	$3.19	$3.59	$3.99	$4.40	$4.80
SC3A SubT	Large General TOU-U	$4.19	$4.42	$2.79	$3.12	$3.44	$3.77	$4.09	$4.19
SC3A Tran	Large General TOU-T	$4.04	$2.53	$1.30	$1.55	$1.79	$2.04	$2.28	$2.53

Final EJP Rates Proposed for Rate Year 1

		(L) Rate Year 1 EJP Rates	(M) ETIP Adder	(N) Total EJP Rates
SC2ND	Small General No Dem	$0.03360	$0.00336	$0.03696
SC2D	Small General Demand	$5.79	$0.00	$5.79
SC3 Sec	Large General-Sec	$4.02	$0.04	$4.06
SC3 Pri	Large General-Pri	$3.04	$0.11	$3.15
SC3 SubT/Tran	Large General-Tran	$1.91	$0.16	$2.07
SC3A Sec/pri	Large General TOU-S/P	$3.19	$0.22	$3.41
SC3A SubT	Large General TOU-U	$3.12	$0.15	$3.27
SC3A Tran	Large General TOU-T	$1.55	$0.39	$1.94

A EJP Rates shown on Exhibit___(E-RDP-10CU), Schedule 7
B ETIP costs by applicable service classification shown on Exhibit___(E-RDP-4CU), Schedule 4B, Line 8 for $/kWh and Line 16 for $/kW
C Columns A + B; also shown on E-RDP-10CU, Schedule 7
D Proposed Standard Tariff rates shown on Exhibit___(E-RDP-4CU), Schedule 4
E Column A
F Rate Year 4 rates per Case 17-E-0238, Joint Proposal, Appendix 2, Schedule 10.2
G Minimum of Column D or Column F + (Column E - Column F) * 20%; except SC2ND is set at Column E
H Minimum of Column D or Column G + (Column E - Column F) * 20%
I Minimum of Column D or Column H + (Column E - Column F) * 20%
J Minimum of Column D or Column I + (Column E - Column F) * 20%
K Minimum of Column D or Column J + (Column E - Column F) * 20%
L Column G
M Column B
N Column L + Column M

Niagara Mohawk Power Corporation d/b/a National Grid
Economic Development Zone Rider Program - Five Year Phase-in of Marginal Rates

Five Year Phase-in of Marginal Rates

			Phase-in Percentage		20%	20%	20%	20%	20%
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
		Proposed Standard Rate	MCOS EZR Rates	Current RY4 EZR Rates	Rate Year 1	Year 2	Year 3	Year 4	Year 5
SC2ND	Small General No Dem	$0.07505	$0.03360	$0.03741	$0.03360				
SC2D	Small General Demand	$13.54	$7.51	$5.53	$5.93	$6.32	$6.72	$7.11	$7.51
SC3 Sec	Large General-Sec	$12.06	$5.54	$3.62	$4.00	$4.39	$4.77	$5.15	$5.54
SC3 Pri	Large General-Pri	$10.69	$4.94	$2.67	$3.12	$3.58	$4.03	$4.49	$4.94
SC3 SubT/Tran	Large General-Tran	$3.40	$2.80	$1.69	$1.91	$2.13	$2.36	$2.58	$2.80
SC3A Sec/pri	Large General TOU-S/P	$11.72	$4.80	$2.79	$3.19	$3.59	$3.99	$4.40	$4.80
SC3A SubT	Large General TOU-U	$4.19	$4.42	$2.86	$3.17	$3.48	$3.80	$4.11	$4.19
SC3A Tran	Large General TOU-T	$4.04	$2.53	$1.30	$1.55	$1.79	$2.04	$2.28	$2.53

Final EZR Rates Proposed for Rate Year 1

		(I) Proposed Rate Year 1 EJP Rates
SC2ND	Small General No Dem	$0.03360
SC2D	Small General Demand	$5.93
SC3 Sec	Large General-Sec	$4.00
SC3 Pri	Large General-Pri	$3.12
SC3 SubT/Tran	Large General-Tran	$1.91
SC3A Sec/pri	Large General TOU-S/P	$3.19
SC3A SubT	Large General TOU-U	$3.17
SC3A Tran	Large General TOU-T	$1.55

A Proposed Standard Tariff rates shown on Exhibit___(E-RDP-4CU), Schedule 4
B EZR Rates shown on Exhibit___(E-RDP-10CU), Schedule 7
C Rate Year 4 rates per Case 17-E-0238, Joint Proposal, Appendix 2, Schedule 10.2
D Minimum of Column A or Column C + (Column B - Column C) * 20%; except SC2ND is set at Column B
E Minimum of Column A or Column D + (Column B - Column C) * 20%
F Minimum of Column A or Column E + (Column B - Column C) * 20%
G Minimum of Column A or Column F + (Column B - Column C) * 20%
H Minimum of Column A or Column G + (Column B - Column C) * 20%
I Column D

Electric Rate Design Panel

Exhibit __ (E-RDP-11CU)

Residential EV Smart Charging Plan

Schedules 1-2

Development of Residential EV Smart Charging Plan Rates

Rates for Rate Year 1 - July 1, 2021 to June 30, 2022

Calculation of EV On-peak and Off-peak Charging Rates

Line	EV Delivery Rates	On-peak Rate	Off-peak Rate[1]
1	Delivery Rate (SC1VTOU)	$0.07888	$0.01047
2	Systems Benefits Charge (SBC)	$0.00520	$0.00520
3=1+2	**Sum Delivery**	**$0.08408**	**$0.01567**
	EV Supply Rates	**On-peak**	**Off-peak**
4	Supply Rate (Forecasted)	$0.04606	$0.02630
5	Clean Energy Standard Supply	$0.00556	$0.00556
6	Merchant Function Charge	$0.00157	$0.00104
7=4+5+6	**Sum Supply**	**$0.05320**	**$0.03290**
		On-peak	**Off-peak[1]**
8=3+7	**Residential EV Smart Managed Charging Rates**	**$0.13728**	**$0.04857**

Calculation of EV Fixed Monthly Charge (for Off-peak Charging)

	EV Fixed Monthly Charge Rate Tier 1			
		Rate	Quantity	Charge
9	Incremental Customer Charge	$8.00		$8.00
10=3 (Off-peak)	EV Off-peak Delivery Rate	$0.01567	225	$3.53
11=7 (Off-peak)	EV Off-peak Supply Rate	$0.03290	225	$7.40
12=9+10+11	Sum			$18.93
13=Roundup 12	**EV Monthly Charge - Tier 1**			**$20.00**
14=13/10 (Quantity)	Effective price per kwh			$0.08889
	EV Fixed Monthly Charge - Tier 1			
		Rate	Quantity	Charge
15=9	Incremental Customer Charge	$8.00		$8.00
16=10 (Off-peak)	EV Off-peak Delivery Rate	$0.01567	325	$5.09
17=7 (Off-peak)	EV Off-peak Supply Rate	$0.03290	325	$10.69
18=15+16+17	Sum			$23.78
19=Roundup 18	**EV Fixed Monthly Charge - Tier 2**			**$25.00**
20=19/16 (Quantity)	Effective price per kwh			$0.07692

Note 1 - The EV Off-peak charging rate is only used in the development of the EV Monthly Charge and is not billed separately.

Residential EV Smart Charging Plan
Monthly Bill Illustration

Usages (kWh/month)		Tier 1			Tier 2		
EV kWh Max usage under program by Tier		225			325		
EV On-peak KWh		0			0		
EV Off-peak kWh		225			325		
EV Over Tier kWh		0			0		
Non EV kWh		600			600		
Total Billed kWh (at house meter)		825			925		
EV Program Charges		Rate	Quantity	Charges	Rate	Quantity	Charges
One Time Rebate (Separate from Bill)	$500.00						
EV Subscription Charge		$20.00	1	$20.00	$25.00	1	$25.00
EV On-peak Charge		$0.13728	0	$0.00	$0.13728	0	$0.00
Total EV Program Charges				$20.00			$25.00
SC1 Charges - Delivery		Rate	Quantity	Charges	Rate	Quantity	Charges
Customer Charge (SC1)		$17.33	1	$17.33	$17.33	1	$17.33
Delivery Charge		$0.06689	600	$40.13	$0.06689	600	$40.13
SBC		$0.00520	600	$3.12	$0.00520	600	$3.12
TRAC		$0.00000	600	$0.00	$0.00000	600	$0.00
RDM		$0.00000	600	$0.00	$0.00000	600	$0.00
DLM		$0.00015	600	$0.09	$0.00015	600	$0.09
EAM		$0.00048	600	$0.29	$0.00048	600	$0.29
VDER		$0.00000	600	$0.00	$0.00000	600	$0.00
LTC		$0.00230	600	$1.38	$0.00230	600	$1.38
Other Surcharges		$0.00000	600	$0.00	$0.00000	600	$0.00
Total SC1 Delivery				$62.34			$62.34
SC1 Charges - Supply		Rate	Quantity	Charges	Rate	Quantity	Charges
SC1 Supply Cost		$0.03558	600	$21.35	$0.03558	600	$21.35
SC1 ESRM (NHA) Cost		$0.00173	600	$1.04	$0.00173	600	$1.04
SC1 CESS		$0.00556	600	$3.34	$0.00556	600	$3.34
SC1 MFC		$0.00134	600	$0.80	$0.00134	600	$0.80
Total SC1 Supply				$26.53			$26.53
Total Home Bill				**$108.87**			**$113.87**
Average Rate ($/kWh)				**$0.13196**			**$0.12310**
Monthly Savings vs Standard Rates				$6.83			$13.75
Annual Savings vs Standard Rates				$81.91			$164.99

Not including taxes

Standard Tariff Bill - Tier 1

Scenario 1 - No EV Subscription Charging; Standard Rates
For 825 kwh scenario (225kwh of EV off-peak charging)

SC1 Delivery - Total Bill

Rate	Quantity	Charges
$17.33	1	$17.33
$0.06689	825	$55.18
$0.00520	825	$4.29
$0.00000	825	$0.00
$0.00000	825	$0.00
$0.00015	825	$0.13
$0.00048	825	$0.40
$0.00000	825	$0.00
$0.00230	825	$1.89
$0.00000	825	$0.00
		$79.22

SC1 Supply - Total Bill

Rate	Quantity	Charges
$0.03558	825	$29.35
$0.00173	825	$1.43
$0.00556	825	$4.59
$0.00134	825	$1.10
		$36.47

Total Home Bill	**$115.69**
Average Rate ($/kWh)	**$0.14023**

Standard Tariff Bill - Tier 2

Scenario 2 - No EV Subscription Charging; Standard Rates
For 925 kwh scenario (325kwh of EV off-peak charging)

SC1 Delivery - Total Bill

Rate	Quantity	Charges
$17.33	1	$17.33
$0.06689	925	$61.87
$0.00520	925	$4.81
$0.00000	925	$0.00
$0.00000	925	$0.00
$0.00015	925	$0.14
$0.00048	925	$0.44
$0.00000	925	$0.00
$0.00230	925	$2.12
$0.00000	925	$0.00
		$86.72

SC1 Supply - Total Bill

Rate	Quantity	Charges
$0.03558	925	$32.91
$0.00173	925	$1.60
$0.00556	925	$5.14
$0.00134	925	$1.24
		$40.89

Total Home Bill	**$127.62**
Average Rate ($/kWh)	**$0.13796**

Electric Rate Design Panel

Exhibit __ (E-RDP-14CU)

Supporting Workpapers for Exhibits

Schedule 2

E-RDP-2CU

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Sales Used to Calculate Revenue
Rate Year Ending June 30, 2022

Line #	GWHrs.	(a) 2021 Jul	(b) 2021 Aug	(c) 2021 Sep	(d) 2021 Oct	(e) 2021 Nov	(f) 2021 Dec	(g) 2022 Jan	(h) 2022 Feb	(i) 2022 Mar	(j) 2022 Apr	(k) 2022 May	(l) 2022 Jun	(m) 2022 Total
1	SC1	1042.785	1055.804	958.050	749.647	787.678	986.374	1092.973	1030.169	989.449	909.580	743.565	844.701	11,190.776
2	SC1C	26.392	26.722	24.248	18.974	19.936	24.965	27.662	26.073	25.042	23.021	18.820	21.380	283.235
3	SC2ND	55.546	55.768	53.923	48.526	46.869	52.019	53.672	51.321	50.200	49.231	45.032	50.739	612.846
4	SC2D	347.722	349.113	337.894	304.890	294.265	325.635	335.467	320.983	314.096	308.384	282.846	318.309	3,839.605
5	SC3	535.107	538.038	521.157	474.499	459.786	502.348	515.172	495.174	484.844	476.785	442.326	492.146	5,937.381
6	SC3A	497.420	503.329	489.096	462.174	455.165	471.922	474.680	465.266	456.718	452.079	439.373	466.586	5,633.808
7	SC4	51.879	52.699	51.309	49.557	49.254	49.537	49.237	48.844	48.020	47.720	47.635	49.247	594.938
8	SC7	15.122	15.233	14.769	13.596	13.239	14.240	14.521	14.037	13.755	13.552	12.750	13.988	168.802
9	SC11&12	0.416	0.423	0.412	0.398	0.395	0.397	0.395	0.392	0.385	0.383	0.382	0.395	4.773
10	NYPA R&E	216.968	220.420	214.612	207.387	206.161	207.207	205.893	204.307	200.868	199.628	199.394	206.018	2,488.863
11	NYPA RNY	98.163	99.725	97.097	93.828	93.274	93.747	93.152	92.435	90.879	90.318	90.212	93.209	1,126.040
12	NYPA PP	8.884	9.025	8.787	8.491	8.441	8.484	8.430	8.365	8.224	8.174	8.164	8.435	101.905
13	NYPA HLF	1.500	1.524	1.484	1.434	1.426	1.433	1.424	1.413	1.389	1.381	1.379	1.425	17.212
14	ST.LAWRENC	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-
15	SC1 Light	1.638	1.638	1.638	1.638	1.638	1.638	1.638	1.638	1.638	1.638	1.638	1.638	19.658
16	SC2 Light	7.958	7.175	6.418	6.888	7.853	8.714	10.254	10.984	11.924	11.584	9.602	9.445	108.800
17	SC3 Light	3.593	3.239	2.898	3.110	3.546	3.934	4.629	4.959	5.383	5.230	4.335	4.264	49.121
18	SC4 Light	0.630	0.651	0.630	0.651	0.651	0.630	0.651	0.630	0.651	0.651	0.588	0.651	7.660
19	SC5 Light	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.014
20	SC6 Light	0.015	0.013	0.012	0.013	0.015	0.016	0.019	0.020	0.022	0.021	0.018	0.017	0.201
21	BORDERLINE	0.73	0.77	0.84	0.79	0.93	0.95	0.67	0.51	0.56	0.49	0.97	0.67	8.882
22	Total	2,912.474	2,941.314	2,785.272	2,446.493	2,450.522	2,754.191	2,890.544	2,777.525	2,704.044	2,599.845	2,349.029	2,583.267	32,194.521
23														
24	Customers	2021	2021	2021	2021	2021	2021	2022	2022	2022	2022	2022	2022	**2022**
25		Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
26														
27	SC1	1,508,007	1,508,755	1,508,659	1,508,314	1,509,920	1,511,521	1,512,940	1,513,756	1,514,044	1,514,137	1,512,935	1,512,043	18,135,032
28	SC1C	5,251	5,253	5,253	5,252	5,257	5,263	5,268	5,271	5,272	5,272	5,268	5,265	63,142
29	SC2ND	118,199	118,199	118,212	118,237	118,274	118,318	118,368	118,421	118,475	118,530	118,584	118,638	1,420,454
30	SC2D	49,323	49,322	49,327	49,338	49,352	49,370	49,390	49,411	49,434	49,457	49,480	49,503	592,708
31	SC3	4,552	4,552	4,552	4,552	4,553	4,554	4,556	4,557	4,559	4,560	4,562	4,564	54,674
32	SC3A	180	180	180	180	180	180	180	180	180	180	180	180	2,158
33	SC4	101	101	101	101	101	101	101	101	101	101	101	100	1,211
34	SC7	35	35	35	35	35	35	35	35	35	35	35	35	414
35	SC11&12	4	4	4	4	4	4	4	4	4	4	4	4	44
36	SC1 Light	6,565	6,558	6,554	6,544	6,539	6,542	6,603	6,597	6,600	6,588	6,578	6,580	78,848
37	SC2 Light	1,531	1,539	1,537	1,536	1,535	1,535	1,534	1,536	1,536	1,526	1,540	1,543	18,428
38	SC3 Light	246	242	242	243	243	243	244	243	245	239	242	240	2,912
39	SC4 Light	2,570	2,589	2,588	2,590	2,585	2,579	2,613	2,610	2,607	2,588	2,587	2,596	31,102
40	SC5 Light	5	5	5	5	5	6	6	6	6	5	6	6	66
41	SC6 Light	9	9	8	9	9	9	10	10	10	8	10	10	111
42	BORDERLINE	135	135	135	135	135	135	135	135	135	135	135	135	1,620
43	Total	1,696,712	1,697,478	1,697,392	1,697,074	1,698,726	1,700,395	1,701,986	1,702,871	1,703,241	1,703,364	1,702,245	1,701,440	20,402,924

Exhibit_____(E-RDP-14CU)
Workpapers to Exhibit_____(E-RDP-2CU)
Schedule 2
Workpaper 1
Corrections and Updates
Page 1 of 58

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Sales Used to Calculate Revenue
Rate Year Ending June 30, 2022

GWHrs.	2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun
Line #												
1 SC1	899.053	911.169	827.615	648.218	681.768	854.580	947.859	894.263	859.750	791.118	647.352	736.114
2 SC1C	13.767	13.945	12.660	9.910	10.418	13.051	14.467	13.642	13.109	12.056	9.860	11.206
3 SC2ND	37.481	37.688	36.496	32.892	31.817	35.366	36.545	34.996	34.283	33.671	30.845	34.806
4 SC2D	148.817	149.709	145.184	131.261	126.936	140.744	145.278	139.278	136.555	134.333	123.448	139.196
5 SC3	92.369	93.048	90.297	82.366	79.961	87.525	89.926	86.595	84.945	83.687	77.782	86.701
6 SC3A	65.195	65.969	64.104	60.575	59.657	61.853	62.214	60.981	59.860	59.252	57.587	61.154
7 SC4	25.266	25.666	24.988	24.135	23.988	24.126	23.979	23.788	23.387	23.240	23.200	23.984
8 SC7	3.654	3.681	3.569	3.285	3.199	3.441	3.509	3.392	3.324	3.275	3.081	3.380
9 SC11&12	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10 NYPA R&E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11 NYPA RNY	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12 NYPA PP	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13 NYPA HLF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14 ST.LAWRENCE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15 SC1 Light	0.683	0.683	0.683	0.683	0.683	0.683	0.683	0.683	0.683	0.683	0.683	0.683
16 SC2 Light	3.320	2.994	2.678	2.874	3.277	3.636	4.278	4.583	4.975	4.833	4.006	3.941
17 SC3 Light	1.499	1.352	1.209	1.297	1.479	1.641	1.931	2.069	2.246	2.182	1.809	1.779
18 SC4 Light	0.263	0.271	0.263	0.271	0.271	0.263	0.271	0.263	0.271	0.271	0.245	0.271
19 SC5 Light	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001
20 SC6 Light	0.006	0.006	0.005	0.005	0.006	0.007	0.008	0.008	0.009	0.009	0.007	0.007
21 BORDERLINE	0.735	0.773	0.836	0.793	0.928	0.950	0.673	0.512	0.556	0.486	0.970	0.671
22 Total	1,292.109	1,306.954	1,210.588	998.569	1,024.389	1,227.866	1,331.623	1,265.054	1,223.954	1,149.097	980.875	1,103.895

Exhibit____(E-RDP-14CU)
Workpapers to Exhibit_____(E-RDP-2CU)
Schedule 2
Workpaper 1
Corrections and Updates
Page 2 of 58

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Sales Used to Calculate Revenue
Rate Year Ending June 30, 2022

	(a) Total 2022	(b) 2021 Jul	(c) 2021 Aug	(d) 2021 Sep	(e) 2021 Oct	(f) 2021 Nov	(g) 2021 Dec	(h) 2022 Jan	(i) 2022 Feb	(j) 2022 Mar	(k) 2022 Apr	(l) 2022 May	(m) 2022 Jun
DELIVERY MARGIN													
SC1	$881,878,770	79,084,068	79,764,064	74,752,077	64,064,493	66,041,092	76,252,465	81,740,331	78,535,174	76,452,969	72,360,836	63,831,321	68,999,881
SC1C	$9,412,730	858,102	866,926	801,250	661,214	686,923	820,569	892,324	850,218	822,893	769,252	657,602	725,457
SC2ND & BL	$64,935,739	5,659,646	5,674,339	5,574,172	5,268,024	5,183,039	5,475,432	5,554,116	5,413,617	5,354,059	5,296,603	5,088,363	5,394,329
SC2D	$154,803,042	13,790,079	13,835,013	13,474,016	12,412,322	12,071,199	13,081,413	13,398,708	12,933,770	12,713,161	12,530,550	11,710,147	12,852,663
SC3 Sec	$101,881,343	9,035,009	9,077,458	8,846,876	8,219,126	8,022,549	8,589,816	8,759,358	8,492,377	8,351,959	8,244,105	7,786,410	8,456,300
SC3 Pri	$32,914,004	2,930,618	2,947,714	2,866,735	2,654,084	2,588,397	2,775,473	2,829,848	2,740,693	2,691,386	2,654,766	2,504,237	2,730,051
SC3 Sub	$2,272,346	194,898	195,418	192,986	186,736	184,828	190,268	191,842	189,264	187,816	186,766	182,436	189,086
SC3 Tran	483,608	41,553	41,707	41,136	39,793	39,396	40,477	40,763	40,229	39,887	39,659	38,801	40,208
1 SC3A Sec	$2,363,712	207,326	209,490	204,231	194,297	191,705	197,873	198,882	195,406	192,250	190,534	185,846	195,871
2 SC3A Pri	$15,384,064	1,349,434	1,364,802	1,329,717	1,266,678	1,250,801	1,286,965	1,291,595	1,270,353	1,249,328	1,238,448	1,211,450	1,274,492
3 SC3A Sub	$4,455,918	383,595	386,059	379,882	368,452	365,455	372,309	373,328	369,350	365,651	363,653	358,391	369,792
SC3A Tran	$13,803,288	1,187,700	1,196,476	1,176,833	1,143,985	1,135,948	1,152,318	1,153,261	1,142,678	1,130,935	1,125,153	1,112,989	1,145,013
SL	$43,395,053	3,488,542	3,398,678	3,311,376	3,365,647	3,476,752	3,575,624	3,753,012	3,836,870	3,945,193	3,906,156	3,677,279	3,659,924
subtotal NonRes	436,692,116	38,268,402	38,327,154	37,397,960	35,119,144	34,510,069	36,737,968	37,544,713	36,624,609	36,221,624	35,776,394	33,856,352	36,307,728
Subtotal Delivery	$1,327,983,616	118,210,571	118,958,143	112,951,286	99,844,851	101,238,084	113,811,001	120,177,368	116,010,001	113,497,486	108,906,481	98,345,275	106,033,067
	$1,327,983,616												
Adjustments													
SBC/RPS/ETIP	155,047,437	14,093,258	14,222,166	13,419,546	11,632,996	11,664,962	13,310,750	14,064,312	13,461,569	13,089,369	12,531,848	11,167,360	12,389,301
Queensbury Underground Revenue	347,353	28,946.09	28,946.09	28,946.09	28,946.09	28,946.09	28,946.09	28,946.09	28,946.09	28,946.09	28,946.09	28,946.09	28,946.09
MFC	17,744,421	1,734,436	1,721,120	1,445,943	1,147,210	1,119,789	1,498,757	2,025,107	1,856,279	1,443,807	1,198,811	1,169,231	1,383,932
ESCO Commodity	$0	-	-	-	-	-	-	-	-	-	-	-	-
EZR Discounts	($1,670,000)	(139,166.67)	(139,166.67)	(139,166.67)	(139,166.67)	(139,166.67)	(139,166.67)	(139,166.67)	(139,166.67)	(139,166.67)	(139,166.67)	(139,166.67)	(139,166.67)
EIP Discounts	($395,000)	(32,916.67)	(32,916.67)	(32,916.67)	(32,916.67)	(32,916.67)	(32,916.67)	(32,916.67)	(32,916.67)	(32,916.67)	(32,916.67)	(32,916.67)	(32,916.67)
SC11/12 Discounts	$0	-	-	-	-	-	-	-	-	-	-	-	-
Low Income Discounts	$0	-	-	-	-	-	-	-	-	-	-	-	-
DLM Surcharge	3,391,665	282,639	282,639	282,639	282,639	282,639	282,639	282,639	282,639	282,639	282,639	282,639	282,639
DLM Surcharge_2	$0	-	-	-	-	-	-	-	-	-	-	-	-
Special L Revenues	1,154,124	96,176.98	96,176.98	96,176.98	96,176.98	96,176.98	96,176.98	96,176.98	96,176.98	96,176.98	96,176.98	96,176.98	96,176.98
Consolidated Billing Credits	(2,513,867)	(209,488.95)	(209,488.95)	(209,488.95)	(209,488.95)	(209,488.95)	(209,488.95)	(209,488.95)	(209,488.95)	(209,488.95)	(209,488.95)	(209,488.95)	(209,488.95)
Transformer Credit	($280,635)	($23,386)	($23,386)	($23,386)	($23,386)	($23,386)	($23,386)	($23,386)	($23,386)	($23,386)	($23,386)	($23,386)	($23,386)
SC7 Discount	($77,598)	($6,467)	($6,467)	($6,467)	($6,467)	($6,467)	($6,467)	($6,467)	($6,467)	($6,467)	($6,467)	($6,467)	($6,467)
HLF Discounts	$0	-	-	-	-	-	-	-	-	-	-	-	-
subtotal Adj	$172,747,900	15,824,031	15,939,623	14,861,825	12,776,543	12,781,088	14,805,844	16,085,756	15,314,185	14,529,513	13,726,996	12,332,927	13,769,569
Total Delivery	1,500,731,516	134,034,603	134,897,766	127,813,112	112,621,394	114,019,172	128,616,845	136,263,124	131,324,187	128,026,998	122,633,477	110,678,202	119,802,636
COMMODITY (Sales)													
SC1	$351,915,582	35,670,466	35,110,911	27,920,440	21,515,918	20,241,189	29,120,730	44,016,280	39,708,438	27,602,819	21,064,807	22,519,581	27,424,002
SC1C	$5,742,601	628,732	609,495	413,545	311,836	305,862	501,176	751,769	675,281	415,876	314,502	329,608	484,917
SC2ND & BL	$15,113,775	1,467,269	1,424,222	1,215,509	1,074,420	979,209	1,244,296	1,754,803	1,597,866	1,128,822	923,636	1,056,879	1,246,843
SC2D	$58,124,065	5,586,282	5,418,358	4,650,578	4,136,573	3,786,145	4,809,669	6,773,917	6,201,461	4,382,956	3,578,324	4,025,723	4,774,077
SC3 Sec	$25,031,304	2,335,311	2,263,496	1,966,457	1,775,286	1,681,982	2,113,409	2,968,067	2,728,169	1,922,243	1,570,571	1,714,210	1,992,104
SC3 Pri	$7,466,826	711,034	690,055	593,182	530,862	497,753	621,593	871,496	801,118	567,557	466,939	515,467	599,770
SC3 Sub	$2,832,710	282,752	275,597	232,385	202,941	186,479	231,218	314,977	289,107	212,714	175,864	197,699	230,976
SC3 Tran	$1,011,938	103,615	101,423	84,658	72,735	67,697	83,588	107,612	98,754	77,125	63,046	70,097	81,589
SC3A Sec	$27,883	2,707	2,658	2,312	2,111	1,947	2,354	2,937	2,741	2,142	1,691	2,033	2,252
SC3A Pri	$1,761,716	173,225	168,561	142,077	127,817	121,421	145,971	194,475	180,662	134,036	109,023	124,524	139,922
SC3A Sub	$1,834,915	177,808	174,381	151,063	137,719	128,916	155,877	194,733	181,638	141,944	112,072	132,243	146,521
SC3A Tran	$27,547,776	2,667,862	2,594,425	2,180,448	1,990,556	1,940,735	2,290,112	3,074,244	2,874,987	2,104,970	1,722,279	1,949,604	2,157,554
SL	$2,252,868	165,092	144,976	114,352	122,165	154,203	192,260	310,191	312,023	236,679	185,446	156,971	158,510
subtotal NonRes	$143,005,775	13,672,955	13,258,152	11,333,022	10,173,186	9,546,486	11,890,346	16,567,452	15,268,526	10,911,189	8,908,893	9,945,450	11,530,118
Other Commodity													
New Hedge Adjustment	$12,132,809	(212,287)	1,001,186	3,606,333	3,957,967	3,206,752	1,426,505	(7,147,295)	(5,588,409)	1,878,458	3,454,688	3,251,022	3,297,889
St. Lawrence Commodity	$0	-	-	-	-	-	-	-	-	-	-	-	-
R&E Commodity	$0	-	-	-	-	-	-	-	-	-	-	-	-
RNY Commodity	$0	-	-	-	-	-	-	-	-	-	-	-	-
LTC	$66,689,486	4,178,214	3,388,816	2,931,538	5,020,772	6,546,857	6,750,998	4,882,203	4,338,492	7,080,219	8,520,959	7,307,706	5,742,711
NYPA Reconciliation Credit	($8,956,862)	(1,079,869)	(1,050,050)	(874,246)	(807,052)	(500,721)	(576,463)	(728,413)	(633,745)	(497,101)	(438,322)	(861,495)	(909,384)
Subtotal Other Commodity	$69,865,433	2,886,058	3,339,952	5,663,625	8,171,687	9,252,889	7,601,040	(2,993,506)	(1,883,662)	8,461,576	11,537,325	9,697,234	8,131,216
Total Commodity	$570,529,390	$52,858,211	$52,318,510	$45,330,633	$40,172,628	$39,346,426	$49,113,293	$58,341,996	$53,768,581	$47,391,460	$41,825,527	$42,491,872	$47,570,253
GRT													
SC1	$25,720,765	2,331,233	2,349,692	2,165,207	1,829,738	1,880,778	2,233,540	2,435,576	2,317,039	2,232,635	2,080,597	1,843,033	2,021,696
SC1C	$340,960	31,866	31,799	27,690	22,611	23,822	30,139	34,574	33,384	29,458	26,986	23,090	26,541
SC2ND & BL	$925,222	81,916	82,159	79,838	74,756	72,159	77,851	80,868	77,962	75,200	73,016	71,759	77,738
SC2D	$2,818,979	253,792	251,691	238,048	220,171	213,339	238,708	260,808	247,416	229,172	220,378	211,467	233,987
SC3 Sec	$1,908,720	168,860	167,792	160,423	151,043	148,613	162,442	171,400	163,817	156,775	153,490	146,043	158,020
SC3 Pri	$668,865	59,197	58,831	56,189	53,071	52,339	56,939	59,350	56,741	55,003	54,231	51,479	55,495
SC3 Sub	$123,274	10,963	10,806	10,113	9,692	9,595	10,473	11,133	10,581	10,116	9,913	9,639	10,251
SC3 Tran	$30,921	2,823	2,788	2,563	2,413	2,375	2,617	2,822	2,675	2,513	2,402	2,379	2,553
SC3A Sec	$43,634	3,759	3,765	3,650	3,580	3,599	3,696	3,631	3,548	3,602	3,639	3,533	3,631
SC3A Pri	$282,480	24,639	24,696	23,758	23,055	23,033	23,821	23,980	23,392	23,107	23,005	22,579	23,415
SC3A Sub	$276,196	23,573	23,405	22,480	22,550	22,923	23,593	23,130	22,471	22,995	23,290	22,784	23,003
SC3A Tran	$1,106,697	96,900	95,834	89,445	88,353	89,391	93,778	98,921	95,403	90,424	88,424	88,873	90,952
SL	$477,038	37,982	36,744	35,456	36,272	37,932	39,389	42,434	43,358	44,022	43,202	40,290	39,955
subtotal NonRes	8,662,027	764,405	758,510	721,963	684,956	675,298	733,306	778,477	747,366	712,930	694,991	670,825	719,000
R&E Comm GRT	$0	-	-	-	-	-	-	-	-	-	-	-	-
St. Lawrence Delivery GRT	$0												
R&E Delivery GRT	$0												
RNY Delivery GRT	$0												
Total GRT	$34,723,752	3,127,504	3,140,000	2,914,860	2,537,306	2,579,898	2,996,984	3,248,627	3,096,789	2,975,023	2,802,575	2,536,948	2,767,237
Grand Total													
Total Delivery	$1,500,731,516	$134,034,603	$134,897,766	$127,813,112	$112,621,394	$114,019,172	$128,616,845	$136,263,124	$131,324,187	$128,026,998	$122,633,477	$110,678,202	$119,802,636
Total Commodity	$570,529,390	$52,858,211	$52,318,510	$45,330,633	$40,172,628	$39,346,426	$49,113,293	$58,341,996	$53,768,581	$47,391,460	$41,825,527	$42,491,872	$47,570,253
Total GRT	$34,723,752	$3,127,504	$3,140,000	$2,914,860	$2,537,306	$2,579,898	$2,996,984	$3,248,627	$3,096,789	$2,975,023	$2,802,575	$2,536,948	$2,767,237
Total Distribution Revenue	$2,105,984,658	$190,020,317	$190,356,277	$176,058,605	$155,331,327	$155,945,496	$180,727,122	$197,853,747	$188,189,558	$178,393,481	$167,261,580	$155,707,022	$170,140,126

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Sales Used to Calculate Revenue
Rate Year Ending March 31, 2019

	(a) 2021 Jul	(b) 2021 Aug	(c) 2021 Sep	(d) 2021 Oct	(e) 2021 Nov	(f) 2021 Dec	(g) 2022 Jan	(h) 2022 Feb	(i) 2022 Mar	(j) 2022 Apr	(k) 2022 May	(l) 2022 Jun	(m) 2022 Total
TRANSMISSION MARGIN													
SC1	$10,610,339	$10,742,805	$9,748,163	$7,627,656	$8,014,626	$10,036,356	$11,121,004	$10,481,973	$10,067,646	$9,254,973	$7,565,774	$8,594,831	$113,866,146
SC1C	$221,564	$224,330	$203,563	$159,287	$167,365	$209,578	$232,224	$218,881	$210,230	$193,262	$157,992	$179,481	$2,377,759
SC2ND & BL	$623,309	$626,197	$606,461	$546,206	$529,354	$586,621	$601,874	$574,051	$562,126	$550,608	$509,470	$569,367	$6,885,644
SC2D	$3,237,985	$3,250,988	$3,146,536	$2,839,424	$2,740,580	$3,032,383	$3,123,814	$2,989,065	$2,924,943	$2,871,795	$2,634,249	$2,964,224	$35,755,986
SC3 Sec	$2,897,824	$2,914,657	$2,823,679	$2,575,950	$2,498,282	$2,721,912	$2,788,602	$2,683,065	$2,627,439	$2,584,655	$2,403,858	$2,667,913	$32,187,837
SC3 Pri	$1,164,148	$1,171,820	$1,135,688	$1,040,869	$1,011,573	$1,094,894	$1,119,067	$1,079,292	$1,057,246	$1,040,874	$973,766	$1,074,386	$12,963,623
SC3 Sub	$308,316	$310,602	$301,150	$277,354	$270,129	$290,371	$296,039	$286,240	$280,485	$276,378	$260,151	$285,271	$3,442,486
SC3 Tran	$75,577	$76,292	$74,046	$69,016	$67,570	$71,419	$72,362	$70,407	$69,048	$68,180	$65,145	$70,372	$849,436
SC3A Sec	$82,626	$83,608	$81,244	$76,772	$75,607	$78,391	$78,849	$77,285	$75,865	$75,095	$72,984	$77,505	$935,831
SC3A Pri	$549,708	$556,587	$541,019	$513,076	$506,064	$522,074	$524,113	$514,720	$505,388	$500,576	$488,661	$516,633	$6,238,616
SC3A Sub	$930,674	$942,053	$915,572	$866,875	$854,440	$883,471	$887,697	$871,020	$855,132	$846,743	$824,939	$873,909	$10,552,525
SC3A Tran	$3,098,044	$3,140,628	$3,054,632	$2,916,843	$2,885,307	$2,948,234	$2,948,758	$2,906,805	$2,855,476	$2,831,767	$2,787,752	$2,922,535	$35,296,780
SL	$7,194	$6,613	$6,030	$6,396	$7,126	$7,766	$8,940	$9,481	$10,202	$9,946	$8,414	$8,329	$96,436
Total Transmission	$23,807,307	$24,047,181	$22,637,783	$19,515,724	$19,628,023	$22,483,471	$23,803,344	$22,762,285	$22,101,227	$21,104,851	$18,753,155	$20,804,755	$261,449,107

Exhibit_____(E-RDP-14CU)
Workpapers to Exhibit_____(E-RDP-2CU)
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	2018 Apr	2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun
DISTRIBUTION													
Delivery	$134,034,603	$134,897,766	$127,813,112	$112,621,394	$114,019,172	$128,616,845	$136,263,124	$131,324,187	$128,026,998	$122,633,477	$110,678,202	$119,802,636	$1,500,731,516
Commodity	$52,858,211	$52,318,510	$45,330,633	$40,172,628	$39,346,426	$49,113,293	$58,341,996	$53,768,581	$47,391,460	$41,825,527	$42,491,872	$47,570,253	$570,529,390
GRT	$3,127,504	$3,140,000	$2,914,860	$2,537,306	$2,579,898	$2,996,984	$3,248,627	$3,096,789	$2,975,023	$2,802,575	$2,536,948	$2,767,237	$34,723,752
subtotal	$190,020,317	$190,356,277	$176,058,605	$155,331,327	$155,945,496	$180,727,122	$197,853,747	$188,189,558	$178,393,481	$167,261,580	$155,707,022	$170,140,126	$2,105,984,658
TRANSMISSION													
No TRAC	$23,807,307	$24,047,181	$22,637,783	$19,515,724	$19,628,023	$22,483,471	$23,803,344	$22,762,285	$22,101,227	$21,104,851	$18,753,155	$20,804,755	$261,449,107
TRAC	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
subtotal	$23,807,307	$24,047,181	$22,637,783	$19,515,724	$19,628,023	$22,483,471	$23,803,344	$22,762,285	$22,101,227	$21,104,851	$18,753,155	$20,804,755	$261,449,107
Grand Total	$213,827,624	$214,403,457	$198,696,388	$174,847,051	$175,573,518	$203,210,593	$221,657,091	$210,951,843	$200,494,709	$188,366,431	$174,460,177	$190,944,882	$2,367,433,765

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC1 Residential and Farm Service

	Bills	1,508,007	1,508,755	1,508,659	1,508,314	1,509,920	1,511,521	1,512,940	1,513,756	1,514,044	1,514,137	1,512,935	1,512,043	
Income Eligible	Bills	0	0	0	0	0	0	0	0	0	0	0	0	
	KWH	1,042,785,161	1,055,803,902	958,050,446	749,646,824	787,678,248	986,374,034	1,092,973,329	1,030,169,324	989,449,220	909,579,674	743,564,970	844,700,863	11,190,775,994
	FS KWH	899,053,307	911,168,743	827,615,208	648,217,736	681,768,235	854,580,217	947,858,805	894,262,805	859,749,879	791,117,531	647,351,895	736,114,330	9,698,858,691

Line #		Rates	2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
	Total Revenue:		$ 135,222,121	$ 136,445,651	$ 124,722,450	$ 104,732,871	$ 106,276,737	$ 127,717,892	$ 141,416,211	$ 133,996,586	$ 127,106,358	$ 116,851,518	$ 105,583,449	$ 117,111,222	$ 1,477,183,065
1	Revenue Breakdown By Charge:	2021													
2	Customer Charge	$ 17.00	$ 25,636,114	$ 25,648,835	$ 25,647,201	$ 25,641,345	$ 25,668,644	$ 25,695,864	$ 25,719,983	$ 25,733,846	$ 25,738,749	$ 25,740,329	$ 25,719,899	$ 25,704,738	$ 308,295,546
3	T&D Demand Charge		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4	*Transmission*		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
5	*Distribution*		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
6	T&D Energy Charge	$0.06143	$ 64,058,292	$ 64,858,034	$ 58,853,039	$ 46,050,804	$ 48,387,075	$ 60,592,957	$ 67,141,352	$ 63,283,302	$ 60,781,866	$ 55,875,479	$ 45,677,196	$ 51,889,974	$ 687,449,369
7	*Transmission*	$0.01018	$ 10,610,339	$ 10,742,805	$ 9,748,163	$ 7,627,656	$ 8,014,626	$ 10,036,356	$ 11,121,004	$ 10,481,973	$ 10,067,646	$ 9,254,973	$ 7,565,774	$ 8,594,831	$ 113,866,146
8	*Distribution*	$0.05126	$ 53,447,953	$ 54,115,229	$ 49,104,876	$ 38,423,148	$ 40,372,449	$ 50,556,601	$ 56,020,348	$ 52,801,329	$ 50,714,220	$ 46,620,506	$ 38,111,423	$ 43,295,143	$ 573,583,224
9	Commodity Energy Charge		$ 35,670,466	$ 35,110,911	$ 27,920,440	$ 21,515,918	$ 20,241,189	$ 29,120,730	$ 44,016,280	$ 39,708,438	$ 27,602,819	$ 21,064,807	$ 22,519,581	$ 27,424,002	$ 351,915,582
10	New Hedge Adjustment	$0.00000	$ (203,631)	$ 960,637	$ 3,450,679	$ 3,762,447	$ 3,059,791	$ 1,368,357	$ (6,877,260)	$ (5,374,987)	$ 1,805,304	$ 3,311,706	$ 3,098,733	$ 3,146,257	$ 11,508,033
11	LTC		$ 1,622,638	$ 1,320,099	$ 1,096,928	$ 1,688,426	$ 2,307,823	$ 2,624,687	$ 1,994,962	$ 1,743,509	$ 2,809,441	$ 3,241,984	$ 2,539,028	$ 2,049,040	$ 25,038,565
12	NYPA Hydropower Reconciliation Charge	0.0000%	$ (1,053,213.01)	$ (1,024,129.79)	$ (852,664.90)	$ (787,129.16)	$ (488,360.51)	$ (562,233.20)	$ (710,432.66)	$ (618,101.59)	$ (484,830.12)	$ (427,502.45)	$ (840,228.42)	$ (886,935.91)	$ (8,735,762)
13	GRT Commodity	1.0101%	$ 373,193	$ 379,205	$ 329,227	$ 264,906	$ 244,744	$ 320,803	$ 392,732	$ 362,877	$ 309,476	$ 256,418	$ 268,623	$ 320,514	$ 3,822,717
14	GRT Delivery	$0.0204	$ 1,958,040	$ 1,970,487	$ 1,835,981	$ 1,564,832	$ 1,636,034	$ 1,912,737	$ 2,042,844	$ 1,954,162	$ 1,923,159	$ 1,824,179	$ 1,574,410	$ 1,701,182	$ 21,898,048
15	SBC/RPS/ETIP		$ 5,680,897	$ 5,751,820	$ 5,219,278	$ 4,083,934	$ 4,291,122	$ 5,373,580	$ 5,954,312	$ 5,612,168	$ 5,390,333	$ 4,955,218	$ 4,050,802	$ 4,601,771	$ 60,965,235
16	RKVA		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
17	MFC		$ 1,479,325	$ 1,469,753	$ 1,222,342	$ 947,387	$ 928,675	$ 1,270,411	$ 1,741,438	$ 1,591,374	$ 1,230,043	$ 1,008,899	$ 975,406	$ 1,160,680	$ 15,025,732

Commodity Prices	$0.03968	$0.03853	$0.03374	$0.03319	$0.02969	$0.03408	$0.04644	$0.04440	$0.03211	$0.02663	$0.03479	$0.03726	
LTC	$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
New Hedge Adjustment	($0.00023)	$0.00105	$0.00417	$0.00580	$0.00449	$0.00160	($0.00726)	($0.00601)	$0.00210	$0.00419	$0.00479	$0.00427	
NYPA Hydro Credit	($0.00101)	($0.00097)	($0.00089)	($0.00105)	($0.00062)	($0.00057)	($0.00065)	($0.00060)	($0.00049)	($0.00047)	($0.00113)	($0.00105)	
SBC/RPS/ETIP	$0.00545												

Line 3: # of Bills * rate
Line 8-10: # of kWh * rate
Line 11-12: # of Full Service ("FS") kWh * rate
Line 13 & 14: # of kWh * applicable monthly rate
Line 15: Sum of (Lines 11+12+19) * rate
Line 17: # of kWh * rate
Line 16: Sum of (Lines 3+8+13+14+17) * rate
Line 19: Sum of (FS kWh * Current Rate) + (Line 11 * Current %)

Notes:
1. Rate Year 4 Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC1C Residential and Farm Service - Time of Use

Bills		5,251	5,253	5,253	5,252	5,257	5,263	5,268	5,271	5,272	5,272	5,268	5,265	
8.97% On Pk kWh		2,367,071	2,396,619	2,174,752	1,701,736	1,788,033	2,239,016	2,480,956	2,338,403	2,245,979	2,064,708	1,687,903	1,917,479	
32.07% Shoulder Pk kWh		8,463,016	8,568,659	7,775,417	6,084,236	6,392,776	8,005,179	8,870,191	8,360,518	8,030,075	7,381,973	6,034,778	6,855,585	
58.97% Off Pk kWh		15,562,340	15,756,603	14,297,939	11,188,085	11,755,449	14,720,440	16,311,080	15,373,860	14,766,221	13,574,449	11,097,140	12,606,493	
		26,392,427	26,721,880	24,248,109	18,974,057	19,936,258	24,964,635	27,662,227	26,072,781	25,042,275	23,021,130	18,819,821	21,379,557	283,235,157
FS KWH		13,767,021	13,944,981	12,659,570	9,910,404	10,417,532	13,050,776	14,467,320	13,642,001	13,108,535	12,055,816	9,859,956	11,205,923	148,089,833
		2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
Total Revenue:	Rates	$ 1,923,451	$ 1,910,156	$ 1,602,643	$ 1,295,127	$ 1,352,726	$ 1,770,667	$ 2,122,948	$ 1,973,535	$ 1,692,330	$ 1,515,841	$ 1,328,293	$ 1,581,864	$ 20,069,581
Revenue Breakdown By Charge	2021													
Customer Charge	$ 30.00	$ 157,515	$ 157,594	$ 157,583	$ 157,548	$ 157,715	$ 157,882	$ 158,031	$ 158,116	$ 158,146	$ 158,156	$ 158,030	$ 157,937	$ 1,894,253
T&D Demand Charge		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Transmission		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Distribution		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
T&D Energy Charge	$0.03494	$ 922,151	$ 933,662	$ 847,229	$ 662,954	$ 696,573	$ 872,264	$ 966,518	$ 910,983	$ 874,977	$ 804,358	$ 657,565	$ 747,002	$ 9,896,236
Transmission	$0.00840	$ 221,564	$ 224,330	$ 203,563	$ 159,287	$ 167,365	$ 209,578	$ 232,224	$ 218,881	$ 210,230	$ 193,262	$ 157,992	$ 179,481	$ 2,377,759
Distribution	$0.02655	$ 700,587	$ 709,332	$ 643,666	$ 503,666	$ 529,208	$ 662,686	$ 734,294	$ 692,102	$ 664,747	$ 611,096	$ 499,572	$ 567,520	$ 7,518,477
Commodity Energy Charge		$ 628,732	$ 609,495	$ 413,545	$ 311,836	$ 305,862	$ 501,176	$ 751,769	$ 675,281	$ 415,876	$ 314,502	$ 329,608	$ 484,917	$ 5,742,601
LTC		$ 41,068	$ 33,411	$ 27,763	$ 42,735	$ 58,411	$ 66,430	$ 50,491	$ 44,127	$ 71,105	$ 82,053	$ 64,263	$ 51,862	$ 633,720
NYPA Hydropower Reconciliation Charge	$0.00000	$ (26,656)	$ (25,920)	$ (21,581)	$ (19,923)	$ (12,360)	$ (14,230)	$ (17,980)	$ (15,644)	$ (12,271)	$ (10,820)	$ (21,266)	$ (22,449)	$ (221,100)
GRT Commodity	1.0101%	$ 6,603	$ 6,404	$ 4,362	$ 3,291	$ 3,232	$ 5,275	$ 7,885	$ 7,086	$ 4,389	$ 3,330	$ 3,476	$ 5,096	$ 60,429
GRT Delivery	2.0408%	$ 25,262	$ 25,394	$ 23,328	$ 19,320	$ 20,591	$ 24,864	$ 26,689	$ 25,298	$ 25,069	$ 23,656	$ 19,615	$ 21,445	$ 280,531
SBC/RPS/ETIP		$ 143,781	$ 145,576	$ 132,099	$ 103,367	$ 108,609	$ 136,003	$ 150,699	$ 142,040	$ 136,426	$ 125,415	$ 102,527	$ 116,472	$ 1,543,012
RKVA		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
MFC		$ 24,993	$ 24,540	$ 18,313	$ 13,999	$ 14,093	$ 21,003	$ 28,847	$ 26,249	$ 18,613	$ 15,190	$ 14,477	$ 19,582	$ 239,900
Commodity Prices		$0.04567	$0.04371	$0.03267	$0.03147	$0.02936	$0.03840	$0.05196	$0.04950	$0.03173	$0.02609	$0.03343	$0.04327	
LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
NYPA Hydro Credit		($0.00101)	($0.00097)	($0.00089)	($0.00105)	($0.00062)	($0.00057)	($0.00065)	($0.00060)	($0.00049)	($0.00047)	($0.00113)	($0.00105)	
SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 7-9: # of kWh * rate
Line 10: # of Full Service ("FS") kWh * rate
Line 11 & 12: # of kWh * applicable monthly rate
Line 13: Sum of (Lines 10+17) * rate
Line 14: Sum of (Lines 3+7+11+12+15) * rate
Line 15: # of kWh * rate
Line 17: Sum of (FS kWh * Current Rate) + (Line 10 * Current %

Notes:
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC2ND Small General Service

		Bills	118,334	118,334	118,347	118,372	118,409	118,453	118,503	118,556	118,610	118,665	118,719	118,773	
		KWH	56,280,754	56,541,468	54,759,481	49,318,801	47,797,223	52,968,073	54,345,308	51,833,079	50,756,291	49,716,270	46,001,763	51,410,096	
		FS KWH	38,215,997	38,461,145	37,332,155	33,685,320	32,745,167	36,315,203	37,217,677	35,508,003	34,838,725	34,156,297	31,814,599	35,476,651	
Line #			2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates	$8,279,159	$8,286,586	$8,046,543	$7,586,679	$7,355,957	$7,926,033	$8,186,013	$7,883,966	$7,664,125	$7,478,853	$7,332,972	$7,898,505	$93,925,392
2	Revenue Breakdown By Charge:	2021													
3	Customer Charge	$ 21.02	$2,487,381	$2,487,379	$2,487,654	$2,488,170	$2,488,948	$2,489,887	$2,490,943	$2,492,046	$2,493,181	$2,494,345	$2,495,474	$2,496,599	$29,892,006
4	T&D Demand Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
5	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
6	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
7	T&D Energy Charge	$0.06744	$3,795,574	$3,813,157	$3,692,979	$3,326,060	$3,223,445	$3,572,167	$3,665,048	$3,495,623	$3,423,004	$3,352,865	$3,102,359	$3,467,097	$41,929,377
8	*Transmission*	$0.01108	$623,309	$626,197	$606,461	$546,206	$529,354	$586,621	$601,874	$574,051	$562,126	$550,608	$509,470	$569,367	$6,885,644
9	*Distribution*	$0.05637	$3,172,265	$3,186,960	$3,086,518	$2,779,854	$2,694,090	$2,985,545	$3,063,173	$2,921,571	$2,860,878	$2,802,258	$2,592,889	$2,897,730	$35,043,733
10	Commodity Energy Charge	$0.00000	$1,467,269	$1,424,222	$1,215,509	$1,074,420	$979,209	$1,244,296	$1,754,803	$1,597,866	$1,128,822	$923,636	$1,056,879	$1,246,843	$15,113,775
11	New Hedge Adjustment	$0.00000	($8,656)	$40,549	$155,654	$195,520	$146,961	$58,148	($270,036)	($213,422)	$73,154	$142,982	$152,290	$151,632	$624,777
12	LTC		$87,576	$70,695	$62,697	$111,080	$140,041	$140,945	$99,194	$87,725	$144,117	$177,202	$157,081	$124,708	$1,403,064
13	GRT Commodity	1.01010%	$15,355	$15,406	$14,394	$13,312	$11,828	$13,703	$15,696	$14,629	$12,648	$11,218	$12,684	$14,670	$165,542
14	GRT Delivery	1.01010%	$66,561	$66,753	$65,444	$61,443	$60,331	$64,148	$65,172	$63,334	$62,552	$61,798	$59,075	$63,068	$759,680
15	SBC/RPS/ETIP		$306,607	$308,027	$298,319	$268,680	$260,390	$288,560	$296,063	$282,377	$276,511	$270,845	$250,609	$280,072	$3,387,060
16	RKVA		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
17	MFC		$61,492	$60,399	$53,891	$47,993	$44,803	$54,179	$69,129	$63,789	$50,136	$43,961	$46,523	$53,815	$650,111
	Commodity Prices		$0.03839	$0.03703	$0.03256	$0.03190	$0.02990	$0.03426	$0.04715	$0.04500	$0.03240	$0.02704	$0.03322	$0.03515	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	New Hedge Adjustment		($0.00023)	$0.00105	$0.00417	$0.00580	$0.00449	$0.00160	($0.00726)	($0.00601)	$0.00210	$0.00419	$0.00479	$0.00427	
	SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 7-9: # of kWh * rate
Line 10-11: # of Full Service ("FS") kWh * rate
Line 12: # of kWh * applicable monthly rate
Line 13: Sum of (Lines 10+11+17) * rate
Line 14: Sum of (Lines 3+7+12+13) * rate
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Notes:
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC2D Small General Service - Demand

		Bills	49,323	49,322	49,327	49,338	49,352	49,370	49,390	49,411	49,434	49,457	49,480	49,503	592,708
		KWH	347,721,701	349,113,369	337,894,293	304,889,600	294,265,009	325,635,172	335,467,323	320,983,318	314,095,704	308,384,055	282,845,698	318,309,485	3,839,604,726
		0.3333% KW	1,159,095	1,163,734	1,126,336	1,016,319	980,903	1,085,472	1,118,246	1,069,965	1,047,006	1,027,967	942,837	1,061,052	12,798,933
		0.0000% RKVA	0	0	0	0	0	0	0	0	0	0	0	0	
		FS KWH	148,817,394	149,708,812	145,184,091	131,261,203	126,936,439	140,744,436	145,278,290	139,277,791	136,555,330	134,333,452	123,448,495	139,196,439	1,660,742,171
Line #			2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates	$25,359,334	$25,148,984	$23,785,313	$21,998,462	$21,315,456	$23,851,900	$26,061,562	$24,722,751	$22,898,960	$22,019,817	$21,128,724	$23,379,937	$281,671,201
2	Revenue Breakdown By Charge:	2021													
3	Customer Charge	$ 52.52	$2,590,442	$2,590,400	$2,590,679	$2,591,220	$2,591,978	$2,592,906	$2,593,964	$2,595,091	$2,596,268	$2,597,483	$2,598,700	$2,599,904	$31,129,033
4	T&D Demand Charge	$ 12.44	$14,419,142	$14,476,851	$14,011,624	$12,643,003	$12,202,428	$13,503,269	$13,910,984	$13,310,369	$13,024,757	$12,787,909	$11,728,898	$13,199,492	$159,218,724
5	*Transmission*	$2.79	$3,233,875	$3,246,818	$3,142,478	$2,835,529	$2,736,718	$3,028,466	$3,119,907	$2,985,203	$2,921,147	$2,868,028	$2,630,516	$2,960,336	$35,709,023
6	*Distribution*	$9.65	$11,185,267	$11,230,033	$10,869,146	$9,807,474	$9,465,710	$10,474,803	$10,791,077	$10,325,165	$10,103,609	$9,919,881	$9,098,381	$10,239,155	$123,509,702
7	T&D Energy Charge	$0.00000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*	$0.00000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*	$0.00000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge	$0.00000	$5,585,242	$5,417,349	$4,649,712	$4,135,788	$3,785,422	$4,808,778	$6,772,677	$6,200,317	$4,382,148	$3,577,663	$4,024,962	$4,773,198	$58,113,258
11	LTC		$541,076	$436,506	$386,875	$686,701	$862,169	$866,497	$612,316	$543,248	$891,843	$1,099,163	$965,824	$772,142	$8,664,360
12	GRT Commodity	1.01010%	$57,179	$55,473	$47,651	$42,390	$38,814	$49,260	$69,254	$63,416	$44,909	$36,718	$41,244	$48,894	$595,201
13	GRT Delivery	1.01010%	$196,414	$196,017	$190,201	$177,595	$174,340	$189,259	$191,362	$183,812	$184,081	$183,480	$170,043	$184,905	$2,221,508
14	SBC/RPS/ETIP		$1,894,322	$1,901,904	$1,840,784	$1,660,981	$1,603,100	$1,773,999	$1,827,563	$1,748,657	$1,711,134	$1,680,018	$1,540,890	$1,734,090	$20,917,442
15	RKVA		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC		$75,516	$74,485	$67,786	$60,784	$57,205	$67,932	$83,445	$77,843	$63,822	$57,383	$58,163	$67,312	$811,675
	Commodity Prices		$0.03753	$0.03619	$0.03203	$0.03151	$0.02982	$0.03417	$0.04662	$0.04452	$0.03209	$0.02663	$0.03260	$0.03429	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												$0.0005

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
Line 11: # of kWh * rate
Line 12: Sum of (Lines 10+16) * rate
Line 13: Sum of (Lines 3+7+11+13) * rate
Line 14: # of kWh * rate
Line 16: Sum of (FS kWh * Current Rate) + (Line 10 * Current %)

Notes:
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC2D/SC7 Small General Service - Demand

8.59%	Bills	3	3	3	3	3	3	3	3	3	3	3	3	
0.19%	KWH	28,875	29,087	28,201	25,961	25,280	27,191	27,728	26,804	26,265	25,878	24,345	26,711	322,327
0.7244%	KW	209	211	204	188	183	197	201	194	190	187	176	193	
0.0000%	RKVA	0	0	0	0	0	0	0	0	0	0	0	0	
0.75786%	FS KWH	27,694	27,898	27,048	24,899	24,246	26,079	26,594	25,708	25,190	24,820	23,350	25,618	309,144

Line #		Rates	2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:		$4,054	$4,036	$3,800	$3,527	$3,414	$3,768	$4,153	$3,961	$3,597	$3,427	$3,372	$3,701	$44,809
2	Revenue Breakdown By Charge	2021													
3	Customer Charge	$ 52.52	$156	$156	$156	$156	$156	$156	$156	$156	$156	$156	$156	$156	$1,870
4	T&D Demand Charge	$ 12.44	$2,602	$2,621	$2,541	$2,340	$2,278	$2,450	$2,499	$2,416	$2,367	$2,332	$2,194	$2,407	$29,047
5	*Transmission*	$2.79	$584	$588	$570	$525	$511	$550	$560	$542	$531	$523	$492	$540	$6,515
6	*Distribution*	$9.65	$2,019	$2,033	$1,971	$1,815	$1,767	$1,901	$1,938	$1,874	$1,836	$1,809	$1,702	$1,867	$22,533
7	T&D Energy Charge	$0.00000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*	$0.00000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*	$0.00000	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge	$0.00000	$1,039	$1,009	$866	$785	$723	$891	$1,240	$1,144	$808	$661	$761	$878	$10,807
11	LTC		$45	$36	$32	$58	$74	$72	$51	$45	$75	$92	$83	$65	$729
12	GRT Commodity	1.01010%	$11	$10	$9	$8	$7	$9	$13	$12	$8	$7	$8	$9	$111
13	GRT Delivery	1.01010%	$30	$30	$29	$27	$27	$29	$29	$28	$28	$27	$26	$28	$337
14	SBC/RPS/ETIP		$157	$158	$154	$141	$138	$148	$151	$146	$143	$141	$133	$146	$1,756
15	RKVA		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC		$14	$14	$13	$12	$11	$13	$15	$14	$12	$11	$11	$12	$151
	Commodity Prices		$0.03753	$0.03619	$0.03203	$0.03151	$0.02982	$0.03417	$0.04662	$0.04452	$0.03209	$0.02663	$0.03260	$0.03429	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
Line 11: # of kWh * rate
Line 12: Sum of (Lines 10+16) * rate
Line 13: Sum of (Lines 3+7+11+13) * rate
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC2D/SC7 Small General Service - Demand

0.00%	Bills	0	0	0	0	0	0	0	0	0	0	0	0	
0.47%	KWH	464,282	471,668	459,241	443,779	441,156	443,393	440,582	437,189	429,829	427,176	426,675	440,850	5,325,820
0.2722%	KW	1,264	1,284	1,250	1,208	1,201	1,207	1,199	1,190	1,170	1,163	1,161	1,200	14,498
0.0000%	RKVA	0	0	0	0	0	0	0	0	0	0	0	0	

Line #		Rates		2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:			$16,604	$16,724	$16,235	$16,180	$16,383	$16,347	$15,875	$15,694	$15,923	$16,135	$16,052	$16,149	$194,299
2	Revenue Breakdown By Charge:	2021														
3	Customer Charge	$ 52.52		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	T&D Demand Charge-New Allocations	$ 12.44	100.00%	$15,723	$15,973	$15,552	$15,028	$14,939	$15,015	$14,920	$14,805	$14,556	$14,466	$14,449	$14,929	$180,354
5	*Transmission*	$2.79	100.00%	$3,526	$3,582	$3,488	$3,370	$3,351	$3,368	$3,346	$3,320	$3,265	$3,244	$3,241	$3,348	$40,449
6	*Distribution*	$9.65	100.00%	$12,196	$12,390	$12,064	$11,658	$11,589	$11,648	$11,574	$11,485	$11,291	$11,222	$11,208	$11,581	$139,905
7	T&D Demand Charge-Existing Allocations	$0.00000		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*	$0.00000		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*	$0.00000		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge	$0.00000		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	GRT Commodity	1.01010%		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
12	GRT Delivery	1.01010%		$159	$161	$157	$152	$151	$152	$151	$150	$147	$146	$146	$151	$1,822
13	LTC			$722	$590	$526	$1,000	$1,293	$1,180	$804	$740	$1,220	$1,523	$1,457	$1,069	$12,123
14	RKVA			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	SBC/RPS/ETIP			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	LTC			$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP			$0.00000												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3 Large General - Secondary

		81.20% Bills	3,696	3,696	3,696	3,696	3,697	3,698	3,699	3,700	3,702	3,703	3,704	3,705	
		64.31% KWH	344,140,696	346,026,035	335,169,534	305,162,160	295,700,241	323,072,834	331,320,101	318,458,939	311,815,249	306,632,360	284,470,949	316,511,777	3,818,480,875
		0.2558% KW	880,270	885,093	857,323	780,568	756,365	826,381	847,477	814,579	797,586	784,328	727,642	809,599	9,767,211
		0.0571 RKVA	50,250	50,525	48,940	44,559	43,177	47,174	48,378	46,500	45,530	44,773	41,537	46,216	557,559
		70.24235% FS KWH	64,881,810	65,359,320	63,426,917	57,856,019	56,166,433	61,479,654	63,165,955	60,826,321	59,667,356	58,783,751	54,635,589	60,901,012	727,150,137
Line #			2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates	$16,514,981	$16,403,646	$15,678,625	$14,752,534	$14,511,631	$15,889,642	$16,781,087	$16,027,149	$15,334,573	$15,010,513	$14,264,723	$15,450,770	$186,619,874
2	Revenue Breakdown By Charge	2021													
3	Customer Charge	$ 455.00	$1,681,907	$1,681,716	$1,681,723	$1,681,892	$1,682,193	$1,682,601	$1,683,092	$1,683,628	$1,684,198	$1,684,794	$1,685,396	$1,685,990	$20,199,130
4	T&D Demand Charge	$11.21	$9,867,828	$9,921,888	$9,610,591	$8,750,165	$8,478,856	$9,263,732	$9,500,213	$9,131,434	$8,940,934	$8,792,321	$8,156,869	$9,075,602	$109,490,435
5	*Transmission*	$3.19	$2,803,660	$2,819,020	$2,730,574	$2,486,108	$2,409,024	$2,632,024	$2,699,213	$2,594,435	$2,540,310	$2,498,086	$2,317,540	$2,578,572	$31,108,567
6	*Distribution*	$8.03	$7,064,168	$7,102,868	$6,880,017	$6,264,057	$6,069,832	$6,631,709	$6,801,000	$6,536,999	$6,400,624	$6,294,235	$5,839,329	$6,497,030	$78,381,868
7	T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge		$2,315,026	$2,243,705	$1,949,222	$1,758,975	$1,666,226	$2,094,963	$2,942,867	$2,704,439	$1,905,497	$1,556,795	$1,698,257	$1,974,697	$24,810,669
11	LTC		$535,504	$432,645	$383,755	$687,315	$866,374	$859,679	$604,746	$538,976	$885,368	$1,092,919	$971,374	$767,781	$8,626,436
12	GRT Commodity	1.01010%	$23,708	$22,983	$19,982	$18,033	$17,086	$21,461	$30,092	$27,661	$19,528	$15,978	$17,408	$20,235	$254,155
13	GRT Delivery	1.01010%	$141,442	$141,053	$136,804	$129,492	$128,031	$137,436	$137,718	$132,611	$133,817	$134,127	$125,239	$134,272	$1,612,042
14	SBC/RPS/ETIP		$1,874,814	$1,885,085	$1,825,940	$1,662,466	$1,610,919	$1,760,040	$1,804,969	$1,734,904	$1,698,711	$1,670,475	$1,549,744	$1,724,296	$20,802,363
15	RKVA	$0.85	42,713	42,947	41,599	37,875	36,700	40,098	41,121	39,525	38,700	$38,057	$35,307	$39,283	$473,925
16	MFC		$32,039	$31,624	$29,009	$26,321	$25,247	$29,633	$36,268	$33,971	$27,818	$25,046	$25,130	$28,613	$350,719
	Commodity Prices		0.03568	0.03433	0.03073	0.03040	0.02967	0.03408	0.04659	0.04446	0.03194	0.02648	0.03108	0.03242	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
Line 11: # of kWh * rate
Line 12: Sum of (Lines 10+16) * rate
Line 13: Sum of (Lines 3+7+11+13) * rate
Line 14: # of kWh * rate
Line 16: Sum of (FS kWh * Current Rate) + (Line 10 * Current %)

Notes:
1. Rate Year 4 Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3/SC4 Large General - Secondary

		16.21% Bills	16	16	16	16	16	16	16	16	16	16	16	16	
		1.27% KWH	661,090	671,548	653,826	631,506	627,647	631,255	627,422	622,420	611,921	608,090	607,019	627,557	7,581,302
		0.2983% KW	1,972	2,004	1,951	1,884	1,873	1,883	1,872	1,857	1,826	1,814	1,811	1,872	22,618
		0.0571 RKVA	113	114	111	108	107	108	107	106	104	104	103	107	1,291
		1.78661% FS KWH	451,407	458,547	446,446	431,206	428,571	431,034	428,417	425,002	417,833	415,217	414,486	428,509	5,176,673
Line #			2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates	$51,154	$50,998	$48,140	$47,309	$47,168	$49,152	$53,819	$52,440	$47,060	$44,948	$46,725	$48,006	$586,918
2	Revenue Breakdown By Charge	2021													
3	Customer Charge	$ 455.00	$7,477	$7,470	$7,462	$7,455	$7,449	$7,443	$7,437	$7,431	$7,426	$7,420	$7,415	$7,410	$89,295
4	T&D Demand Charge	$11.21	$22,110	$22,460	$21,867	$21,120	$20,991	$21,112	$20,984	$20,816	$20,465	$20,337	$20,301	$20,988	$253,552
5	*Transmission*	$3.19	$6,282	$6,381	$6,213	$6,001	$5,964	$5,998	$5,962	$5,914	$5,815	$5,778	$5,768	$5,963	$72,040
6	*Distribution*	$8.03	$15,828	$16,078	$15,654	$15,120	$15,027	$15,114	$15,022	$14,902	$14,651	$14,559	$14,533	$15,025	$181,513
7	T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge	$0.00000	$16,106	$15,741	$13,720	$13,110	$12,714	$14,688	$19,960	$18,896	$13,344	$10,996	$12,884	$13,894	$176,053
11	LTC		$1,029	$840	$749	$1,422	$1,839	$1,680	$1,145	$1,053	$1,737	$2,167	$2,073	$1,522	$17,257
12	GRT Commodity	1.01010%	$165	$161	$141	$134	$130	$150	$204	$193	$137	$113	$132	$142	$1,803
13	GRT Delivery	1.01010%	$347	$349	$341	$339	$341	$341	$334	$331	$334	$337	$335	$338	$4,066
14	SBC/RPS/ETIP		$3,601	$3,658	$3,562	$3,440	$3,419	$3,439	$3,418	$3,391	$3,334	$3,313	$3,307	$3,419	$41,302
15	RKVA	$0.85	$96	$97	$95	$91	$91	$91	$91	$90	$89	$88	$88	$91	$1,097
16	MFC		$223	$222	$204	$196	$193	$208	$246	$237	$195	$177	$191	$201	$2,493
	Commodity Prices		$0.03568	$0.03433	$0.03073	$0.03040	$0.02967	$0.03408	$0.04659	$0.04446	$0.03194	$0.02648	$0.03108	$0.03242	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
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Notes:
1. Rate Year 4 Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3/SC7 Large General - Secondary

		8.59% Bills	3	3	3	3	3	3	3	3	3	3	3	3	
		1.67% KWH	252,692	254,547	246,791	227,191	221,229	237,955	242,655	234,569	229,846	226,463	213,049	233,751	2,820,737
		0.3487% KW	881	888	860	792	771	830	846	818	801	790	743	815	9,835
		0.0571 RKVA	50	51	49	45	44	47	48	47	46	45	42	47	561
		3.20493% FS KWH	117,116	117,976	114,382	105,297	102,534	110,286	112,465	108,717	106,528	104,960	98,743	108,338	1,307,341
Line #			2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates	$17,450	$17,327	$16,395	$15,420	$15,126	$16,597	$18,125	$17,300	$15,888	$15,258	$14,866	$16,092	$195,844
2	Revenue Breakdown By Charge	2021													
3	Customer Charge	$ 455.00	$1,349	$1,349	$1,349	$1,349	$1,349	$1,349	$1,350	$1,350	$1,350	$1,351	$1,351	$1,351	$16,197
4	T&D Demand Charge	$11.21	$9,877	$9,949	$9,646	$8,880	$8,647	$9,301	$9,484	$9,168	$8,984	$8,851	$8,327	$9,136	$110,251
5	*Transmission*	$3.19	$2,806	$2,827	$2,741	$2,523	$2,457	$2,643	$2,695	$2,605	$2,552	$2,515	$2,366	$2,596	$31,325
6	*Distribution*	$8.03	$7,070	$7,122	$6,905	$6,357	$6,190	$6,658	$6,790	$6,563	$6,431	$6,337	$5,961	$6,541	$78,926
7	T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge	$0.00000	$4,179	$4,050	$3,515	$3,201	$3,042	$3,758	$5,240	$4,834	$3,402	$2,780	$3,069	$3,513	$44,582
11	LTC		$393	$318	$283	$512	$648	$633	$443	$397	$653	$807	$727	$567	$6,381
12	GRT Commodity	1.01010%	$43	$41	$36	$33	$31	$38	$54	$49	$35	$29	$31	$36	$457
13	GRT Delivery	1.01010%	$132	$132	$128	$121	$120	$127	$128	$124	$124	$124	$117	$125	$1,502
14	SBC/RPS/ETIP		$1,377	$1,387	$1,344	$1,238	$1,205	$1,296	$1,322	$1,278	$1,252	$1,234	$1,161	$1,273	$15,367
15	RKVA	$0.85	$43	$43	$42	$38	$37	$40	$41	$40	$39	$38	$36	$40	$477
16	MFC		$58	$57	$52	$48	$46	$53	$65	$61	$50	$45	$45	$51	$630
	Commodity Prices		$0.03568	$0.03433	$0.03073	$0.03040	$0.02967	$0.03408	$0.04659	$0.04446	$0.03194	$0.02648	$0.03108	$0.03242	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
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Notes:
1. Rate Year 4 Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3/RNY Large General - Secondary

0.00%	Bills	0	0	0	0	0	0	0	0	0	0	0	0	
9.60%	KWH	9,423,596	9,573,507	9,321,265	9,007,451	8,954,208	8,999,614	8,942,549	8,873,679	8,724,295	8,670,439	8,660,280	8,947,992	108,098,875
0.2409%	KW	22,698	23,059	22,452	21,696	21,568	21,677	21,540	21,374	21,014	20,884	20,860	21,553	260,375
0.0000	RKVA	0	0	0	0	0	0	0	0	0	0	0	0	

Line #		Rates		2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates		$271,682	$273,077	$264,900	$265,956	$270,452	$269,403	$260,221	$257,039	$262,718	$267,381	$265,772	$265,753	$3,194,355
2	Revenue Breakdown By Charge:	2021														
3	Customer Charge	$0.00		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	T&D Demand Charge - New Allocations	$11.21	100.00%	$254,449	$258,496	$251,686	$243,212	$241,775	$243,001	$241,460	$239,600	$235,567	$234,112	$233,838	$241,607	$2,918,802
5	*Transmission*	$3.19	100.00%	$72,294	$73,444	$71,509	$69,102	$68,693	$69,042	$68,604	$68,076	$66,930	$66,516	$66,438	$68,646	$829,294
6	*Distribution*	$8.03	100.00%	$182,154	$185,052	$180,176	$174,110	$173,081	$173,959	$172,856	$171,525	$168,637	$167,596	$167,400	$172,961	$2,089,508
7	T&D Demand Charge - Existing Allocations	$6.85	0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*	$1.89	0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*	$4.96	0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge	$0.00000		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	LTC			$14,664	$11,970	$10,672	$20,287	$26,235	$23,947	$16,322	$15,018	$24,772	$30,904	$29,572	$21,706	$246,070
12	GRT Commodity	1.01010%		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	GRT Delivery	1.01010%		$2,570	$2,611	$2,542	$2,457	$2,442	$2,455	$2,439	$2,420	$2,379	$2,365	$2,362	$2,440	$29,483
14	RKVA			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	SBC/RPS/ETIP			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	LTC			$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP			$0.00000												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
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Notes:
1. Rate Year 4 Rates
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3/PP Large General - Secondary

0.00%	Bills	0	0	0	0	0	0	0	0	0	0	0	0	
11.26%	KWH	168,964	171,652	167,129	161,502	160,548	161,362	160,339	159,104	156,425	155,460	155,278	160,436	1,938,198
0.1552%	KW	262	266	259	251	249	250	249	247	243	241	241	249	3,008
0.0000	RKVA	0	0	0	0	0	0	0	0	0	0	0	0	

Line #		Rates		2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates		$2,969	$3,016	$2,937	$2,838	$2,821	$2,835	$2,817	$2,796	$2,749	$2,732	$2,728	$2,819	$34,057
2	Revenue Breakdown By Charge:	2021														
3	Customer Charge	$0.00		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	T&D Demand Charge	$11.21	100.00%	$2,939	$2,986	$2,907	$2,809	$2,793	$2,807	$2,789	$2,768	$2,721	$2,704	$2,701	$2,791	$33,716
5	*Transmission*	$3.19	100.00%	$835	$848	$826	$798	$794	$798	$792	$786	$773	$768	$767	$793	$9,580
6	*Distribution*	$8.03	100.00%	$2,104	$2,138	$2,081	$2,011	$1,999	$2,009	$1,997	$1,981	$1,948	$1,936	$1,934	$1,998	$24,137
7	T&D Demand Charge	$11.21		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*	$3.19		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*	$8.03		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge	$0.00000		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	Capacity Charge	$0.00		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
12	GRT Commodity	1.01010%		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	GRT Delivery	1.01010%		$30	$30	$29	$28	$28	$28	$28	$28	$27	$27	$27	$28	$341
14	RKVA			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	SBC/RPS/ETIP			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16																

SBC/RPS/ETIP $0.00000

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
Line 11: # of kWh * rate
Line 12: Sum of (Lines 10+16) * rate
Line 13: Sum of (Lines 3+7+11+13) * rate
Line 14: # of kWh * rate
Line 16: Sum of (FS kWh * Current Rate) + (Line 10 * Current %)

Notes:
1. Rate Year 4 Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3/R&E Large General - Secondary

0.00%	Bills	0	0	0	0	0	0	0	0	0	0	0	0	
0.68%	KWH	1,468,517	1,491,878	1,452,570	1,403,667	1,395,370	1,402,446	1,393,553	1,382,821	1,359,542	1,351,150	1,349,566	1,394,402	16,845,484
0.2554%	KW	3,751	3,810	3,710	3,585	3,564	3,582	3,559	3,532	3,472	3,451	3,447	3,561	43,024
0.0000	RKVA	0	0	0	0	0	0	0	0	0	0	0	0	

Line #		Rates		2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:			$42,470	$43,145	$42,009	$40,594	$40,354	$40,559	$40,302	$39,991	$39,318	$39,075	$39,030	$40,326	$487,173
2	Revenue Breakdown By Charge:	2021														
3	Customer Charge	$0.00		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	T&D Demand Charge	$11.21	100.00%	$42,045	$42,714	$41,588	$40,188	$39,951	$40,153	$39,899	$39,591	$38,925	$38,685	$38,639	$39,923	$482,302
5	*Transmission*	$3.19	100.00%	$11,946	$12,136	$11,816	$11,418	$11,351	$11,408	$11,336	$11,249	$11,059	$10,991	$10,978	$11,343	$137,032
6	*Distribution*	$8.03	100.00%	$30,099	$30,578	$29,772	$28,770	$28,600	$28,745	$28,563	$28,343	$27,866	$27,694	$27,661	$28,580	$345,269
7	T&D Demand Charge	$11.21		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*	$3.19		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*	$8.03		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge	$0.00000		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	Capacity Charge	$0.00		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
12	GRT Commodity	1.01010%		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	GRT Delivery	1.01010%		$425	$431	$420	$406	$404	$406	$403	$400	$393	$391	$390	$403	$4,872
14	RKVA			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	SBC/RPS/ETIP			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

SBC/RPS/ETIP $0.00000

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
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Notes:
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3 Large General - Primary

		15.60% Bills	710	710	710	710	710	710	710	711	711	711	711	712	
		27.13% KWH	145,161,001	145,956,250	141,376,900	128,719,576	124,728,471	136,274,426	139,753,182	134,328,252	131,525,896	129,339,717	119,991,876	133,506,925	1,610,662,472
		0.2295% KW	333,128	334,953	324,444	295,397	286,238	312,734	320,718	308,268	301,837	296,820	275,368	306,383	3,696,286
		0.1793 RKVA	59,738	60,065	58,181	52,972	51,329	56,081	57,512	55,280	54,127	53,227	49,380	54,942	662,833
		20.09385% FS KWH	18,560,392	18,696,991	18,144,199	16,550,562	16,067,231	17,587,156	18,069,547	17,400,260	17,068,721	16,815,953	15,629,311	17,421,627	208,011,951
Line #			2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates	$5,405,784	$5,364,518	$5,118,796	$4,822,533	$4,751,751	$5,202,142	$5,434,683	$5,181,984	$5,024,839	$4,953,734	$4,677,800	$5,063,017	$61,001,581
2	Revenue Breakdown By Charge	2021													
3	Customer Charge	$436.70	$310,051	$310,015	$310,017	$310,048	$310,103	$310,178	$310,269	$310,368	$310,473	$310,583	$310,694	$310,803	$3,723,602
4	T&D Demand Charge	$9.89	$3,294,635	$3,312,684	$3,208,750	$2,921,474	$2,830,890	$3,092,942	$3,171,897	$3,048,770	$2,985,167	$2,935,549	$2,723,386	$3,030,129	$36,556,272
5	*Transmission*	$3.10	$1,031,031	$1,036,679	$1,004,154	$914,253	$885,905	$967,912	$992,621	$954,089	$934,185	$918,658	$852,263	$948,256	$11,440,006
6	*Distribution*	$6.80	$2,263,604	$2,276,005	$2,204,596	$2,007,221	$1,944,984	$2,125,029	$2,179,276	$2,094,681	$2,050,982	$2,016,891	$1,871,123	$2,081,873	$25,116,266
7	T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge		$670,349	$650,373	$559,014	$499,107	$467,516	$585,938	$822,617	$755,316	$535,077	$440,077	$484,366	$565,389	$7,035,138
11	LTC		$225,879	$182,493	$161,871	$289,914	$365,443	$362,619	$255,086	$227,344	$373,454	$461,001	$409,733	$323,855	$3,638,692
12	GRT Commodity	1.01010%	$6,864	$6,661	$5,731	$5,117	$4,795	$6,003	$8,413	$7,726	$5,484	$4,517	$4,965	$5,794	$72,071
13	GRT Delivery	1.01010%	$47,193	$46,984	$45,457	$43,108	$42,723	$46,018	$45,934	$44,094	$44,764	$45,020	$41,813	$44,836	$537,945
14	SBC/RPS/ETIP		$790,810	$795,142	$770,195	$701,240	$679,497	$742,397	$761,349	$731,795	$716,528	$704,618	$653,693	$727,321	$8,774,585
15	RKVA	$0.85	$50,777	$51,055	$49,453	$45,026	$43,630	$47,669	$48,885	$46,988	$46,008	$45,243	$41,973	$46,701	$563,408
16	MFC		$9,225	$9,109	$8,309	$7,499	$7,155	$8,378	$10,233	$9,583	$7,884	$7,126	$7,178	$8,189	$99,869
	Commodity Prices		$0.03612	$0.03478	$0.03081	$0.03016	$0.02910	$0.03332	$0.04553	$0.04341	$0.03135	$0.02617	$0.03099	$0.03245	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
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Line 12: Sum of (Lines 10+16) * rate
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Notes:
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3/SC4 Large General - Primary

20.80%	Bills	21	21	21	21	21	21	21	21	21	21	21	21	
4.40%	KWH	2,282,866	2,318,979	2,257,780	2,180,705	2,167,380	2,179,840	2,166,602	2,149,331	2,113,075	2,099,846	2,096,148	2,167,069	26,179,621
0.2144%	KW	4,895	4,972	4,841	4,676	4,647	4,674	4,646	4,608	4,531	4,502	4,494	4,647	56,133
0.1793	RKVA	878	892	868	838	833	838	833	826	812	807	806	833	10,066
2.83612%	FS KWH	716,578	727,914	708,704	684,510	680,328	684,239	680,083	674,662	663,282	659,129	657,968	680,230	8,217,627

Line #		Rates	2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:		$101,609	$101,356	$95,811	$94,833	$95,052	$97,883	$103,957	$101,454	$94,200	$91,726	$94,485	$96,210	$1,168,574
2	Revenue Breakdown By Charge:	2021													
3	Customer Charge	$436.70	$9,211	$9,202	$9,193	$9,184	$9,176	$9,169	$9,161	$9,154	$9,148	$9,141	$9,134	$9,128	$110,001
4	T&D Demand Charge	$9.89	$48,410	$49,175	$47,878	$46,243	$45,961	$46,225	$45,944	$45,578	$44,809	$44,529	$44,450	$45,954	$555,155
5	*Transmission*	$3.10	$15,149	$15,389	$14,983	$14,471	$14,383	$14,466	$14,378	$14,263	$14,023	$13,935	$13,910	$14,381	$173,731
6	*Distribution*	$6.80	$33,260	$33,786	$32,895	$31,772	$31,578	$31,759	$31,566	$31,315	$30,786	$30,594	$30,540	$31,573	$381,423
7	T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge		$25,881	$25,320	$21,835	$20,642	$19,796	$22,796	$30,961	$29,286	$20,793	$17,250	$20,391	$22,076	$277,026
11	LTC		$3,552	$2,899	$2,585	$4,912	$6,350	$5,800	$3,955	$3,638	$6,000	$7,484	$7,158	$5,257	$59,590
12	GRT Commodity	1.01010%	$265	$259	$224	$212	$203	$234	$317	$300	$213	$177	$209	$226	$2,838
13	GRT Delivery	1.01010%	$751	$754	$734	$737	$748	$745	$723	$715	$729	$740	$736	$736	$8,848
14	SBC/RPS/ETIP		$12,437	$12,633	$12,300	$11,880	$11,807	$11,875	$11,803	$11,709	$11,512	$11,440	$11,419	$11,806	$142,622
15	RKVA	$0.85	$746	$758	$738	$713	$708	$712	$708	$702	$691	$686	$685	$708	$8,556
16	MFC		$356	$355	$325	$310	$303	$326	$385	$372	$306	$279	$302	$320	$3,939
	Commodity Prices		$0.03612	$0.03478	$0.03081	$0.03016	$0.02910	$0.03332	$0.04553	$0.04341	$0.03135	$0.02617	$0.03099	$0.03245	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3/SC7 Large General - Primary

		17.18% Bills	6	6	6	6	6	6	6	6	6	6	6	6	
		9.02% KWH	1,363,634	1,373,645	1,331,792	1,226,019	1,193,848	1,284,107	1,309,473	1,265,835	1,240,352	1,222,091	1,149,704	1,261,419	15,221,920
		0.2559% KW	3,490	3,515	3,408	3,138	3,055	3,286	3,351	3,239	3,174	3,128	2,942	3,228	38,955
		0.1793 RKVA	626	630	611	563	548	589	601	581	569	561	528	579	6,986
		11.21638% FS KWH	409,875	412,884	400,304	368,511	358,841	385,971	393,595	380,479	372,819	367,331	345,573	379,152	4,575,334
Line #			2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates	$62,821	$62,279	$58,700	$55,372	$54,419	$59,644	$64,555	$61,502	$57,179	$55,336	$53,736	$58,008	$703,551
2	Revenue Breakdown By Charge:	2021													
3	Customer Charge	$436.70	$2,590	$2,589	$2,589	$2,589	$2,590	$2,590	$2,591	$2,591	$2,592	$2,593	$2,593	$2,594	$31,091
4	T&D Demand Charge	$9.89	$34,514	$34,767	$33,708	$31,030	$30,216	$32,501	$33,143	$32,038	$31,393	$30,931	$29,099	$31,926	$385,266
5	*Transmission*	$3.10	$10,801	$10,880	$10,549	$9,711	$9,456	$10,171	$10,372	$10,026	$9,824	$9,680	$9,106	$9,991	$120,566
6	*Distribution*	$6.80	$23,713	$23,887	$23,159	$21,320	$20,760	$22,330	$22,771	$22,012	$21,569	$21,251	$19,993	$21,935	$264,700
7	T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge		$14,804	$14,362	$12,333	$11,113	$10,441	$12,859	$17,918	$16,516	$11,687	$9,613	$10,710	$12,305	$154,661
11	LTC		$2,122	$1,718	$1,525	$2,761	$3,498	$3,417	$2,390	$2,142	$3,522	$4,356	$3,926	$3,060	$34,436
12	GRT Commodity	1.01010%	$152	$147	$126	$114	$107	$132	$183	$169	$120	$99	$110	$126	$1,584
13	GRT Delivery	1.01010%	$477	$476	$461	$440	$437	$465	$462	$446	$452	$455	$428	$454	$5,451
14	SBC/RPS/ETIP		$7,429	$7,483	$7,255	$6,679	$6,504	$6,996	$7,134	$6,896	$6,757	$6,658	$6,263	$6,872	$82,926
15	RKVA	$0.85	$532	$536	$520	$478	$466	$501	$511	$494	$484	$477	$448	$492	$5,938
16	MFC		$204	$201	$183	$167	$160	$184	$223	$210	$172	$156	$159	$178	$2,196
	Commodity Prices		$0.03612	$0.03478	$0.03081	$0.03016	$0.02910	$0.03332	$0.04553	$0.04341	$0.03135	$0.02617	$0.03099	$0.03245	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
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Line 11: # of kWh * rate
Line 12: Sum of (Lines 10+16) * rate
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3/SC12 Large General - Primary

40.00%	Bills	1	1	1	1	1	1	1	1	1	1	1	1	
93.20%	KWH	387,794	393,963	383,583	370,669	368,478	370,347	367,998	365,164	359,017	356,801	356,382	368,222	4,448,418
0.3587%	KW	1,391	1,413	1,376	1,330	1,322	1,329	1,320	1,310	1,288	1,280	1,278	1,321	
0.1793	RKVA	249	253	247	238	237	238	237	235	231	230	229	237	
20.09385%	FS KWH	0	0	0	0	0	0	0	0	0	0	0	0	

Line #			2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates	$17,502	$17,648	$17,158	$17,016	$17,171	$17,154	$16,738	$16,564	$16,712	$16,873	$16,800	$16,969	$204,304
2	Revenue Breakdown By Charge:	2021													
3	Customer Charge	$436.70	$640	$640	$639	$638	$638	$637	$637	$636	$636	$635	$635	$634	$7,645
4	T&D Demand Charge	$9.89	$13,758	$13,977	$13,609	$13,151	$13,073	$13,139	$13,056	$12,955	$12,737	$12,659	$12,644	$13,064	$157,823
5	*Transmission*	$3.10	$4,306	$4,374	$4,259	$4,115	$4,091	$4,112	$4,086	$4,054	$3,986	$3,961	$3,957	$4,088	$49,390
6	*Distribution*	$6.80	$9,453	$9,603	$9,350	$9,035	$8,982	$9,027	$8,970	$8,901	$8,751	$8,697	$8,687	$8,976	$108,434
7	T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	LTC		$603	$493	$439	$835	$1,080	$985	$672	$618	$1,019	$1,272	$1,217	$893	$10,126
12	GRT Commodity	1.01010%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	GRT Delivery	1.01010%	$175	$176	$172	$170	$172	$172	$167	$166	$167	$169	$168	$170	$2,043
14	SBC/RPS/ETIP		$2,113	$2,146	$2,090	$2,019	$2,007	$2,018	$2,005	$1,989	$1,956	$1,944	$1,942	$2,006	$24,234
15	RKVA	$0.85	$212	$215	$210	$203	$201	$203	$201	$200	$196	$195	$195	$201	$2,432
16	MFC		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Commodity Prices		$0.03612	$0.03478	$0.03081	$0.03016	$0.02910	$0.03332	$0.04553	$0.04341	$0.03135	$0.02617	$0.03099	$0.03245	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
Line 11: # of kWh * rate
Line 12: Sum of (Lines 10+16) * rate
Line 13: Sum of (Lines 3+7+11+13) * rate
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Notes:
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3/RNY Large General - Primary

0.00%	Bills	0	0	0	0	0	0	0	0	0	0	0	0	
8.77%	KWH	8,611,109	8,748,096	8,517,602	8,230,844	8,182,191	8,223,683	8,171,537	8,108,605	7,972,102	7,922,889	7,913,605	8,176,511	98,778,773
0.2124%	KW	18,286	18,577	18,088	17,479	17,375	17,463	17,353	17,219	16,929	16,825	16,805	17,363	209,762
0.0000	RKVA	0	0	0	0	0	0	0	0	0	0	0	0	

Line #		Rates		2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates		$196,076	$196,521	$190,445	$193,148	$197,550	$196,340	$188,267	$185,740	$191,757	$196,316	$194,902	$193,291	$2,320,352
2	Revenue Breakdown By Charge:	2021														
3	Customer Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	T&D Demand Charge - New Allocations	$9.89	100%	$180,850	$183,727	$178,886	$172,863	$171,842	$172,713	$171,618	$170,296	$167,429	$166,396	$166,201	$171,722	$2,074,543
5	*Transmission*	$3.10	100%	$56,596	$57,496	$55,981	$54,096	$53,777	$54,049	$53,707	$53,293	$52,396	$52,072	$52,011	$53,739	$649,212
6	*Distribution*	$6.80	100%	$124,254	$126,231	$122,905	$118,767	$118,065	$118,664	$117,911	$117,003	$115,034	$114,323	$114,190	$117,983	$1,425,331
7	T&D Demand Charge - Existing Allocations	$4.95	0%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*	$1.89	0%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*	$3.06	0%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	LTC			$13,399	$10,938	$9,752	$18,538	$23,973	$21,883	$14,915	$13,723	$22,636	$28,239	$27,022	$19,834	$224,854
12	GRT Commodity	1.01010%		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	GRT Delivery	1.01010%		$1,827	$1,856	$1,807	$1,746	$1,736	$1,745	$1,734	$1,720	$1,691	$1,681	$1,679	$1,735	$20,955
14	RKVA			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	SBC/RPS/ETIP			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	LTC			$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP			$0.00000												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
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Notes:
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3/R&E Large General - Primary

0.00%	Bills	0	0	0	0	0	0	0	0	0	0	0	0	
3.56%	KWH	7,729,085	7,852,040	7,645,155	7,387,769	7,344,100	7,381,342	7,334,537	7,278,051	7,155,530	7,111,358	7,103,025	7,339,002	88,660,993
0.1934%	KW	14,949	15,186	14,786	14,288	14,204	14,276	14,185	14,076	13,839	13,754	13,738	14,194	171,476
0.0000	RKVA	0	0	0	0	0	0	0	0	0	0	0	0	

Line #				2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates		$149,334	$151,710	$147,713	$142,740	$141,896	$142,615	$141,711	$140,620	$138,252	$137,399	$137,238	$141,797	$1,713,025
2	Revenue Breakdown By Charge:	2021														
3	Customer Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	T&D Demand Charge	$9.89	100.00%	$147,841	$150,193	$146,235	$141,312	$140,477	$141,189	$140,294	$139,213	$136,870	$136,025	$135,866	$140,379	$1,695,894
5	*Transmission*	$3.10	100.00%	$46,266	$47,002	$45,763	$44,223	$43,961	$44,184	$43,904	$43,566	$42,832	$42,568	$42,518	$43,931	$530,717
6	*Distribution*	$6.80	100.00%	$101,575	$103,191	$100,472	$97,090	$96,516	$97,005	$96,390	$95,648	$94,038	$93,457	$93,348	$96,449	$1,165,177
7	T&D Demand Charge	$9.89		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*	$3.10		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*	$6.80		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge	$0.00		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	Capacity Charge	$0.00		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
12	GRT Commodity	1.01010%		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	GRT Delivery	1.01010%		$1,493	$1,517	$1,477	$1,427	$1,419	$1,426	$1,417	$1,406	$1,383	$1,374	$1,372	$1,418	$17,130
14	RKVA			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	SBC/RPS/ETIP			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	SBC/RPS/ETIP			$0.00000												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
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Notes:
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2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3 Large General - Subtranmission

		2.81% Bills	128	128	128	128	128	128	128	128	128	128	128	128	
		7.19% KWH	38,482,405	38,693,227	37,479,234	34,123,758	33,065,710	36,126,561	37,048,784	35,610,627	34,867,718	34,288,159	31,810,031	35,392,892	426,989,106
		0.2456% KW	94,532	95,049	92,067	83,825	81,226	88,744	91,010	87,477	85,652	84,228	78,141	86,942	1,048,894
		0.3043 RKVA	28,765	28,923	28,016	25,507	24,716	27,004	27,694	26,619	26,063	25,630	23,778	26,456	319,173
		7.08749% FS KWH	6,546,609	6,594,790	6,399,810	5,837,703	5,667,223	6,203,330	6,373,478	6,137,408	6,020,468	5,931,312	5,512,760	6,144,944	73,369,835
Line #			2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	2022 Total
1	Total Revenue:	Rates	$930,118	$915,038	$855,634	$818,009	$809,390	$890,182	$947,162	$897,192	$860,151	$843,780	$814,217	$869,920	$10,450,793
2	Revenue Breakdown By Charge	2021													
3	Customer Charge	$786.00	$100,649	$100,638	$100,638	$100,648	$100,666	$100,690	$100,720	$100,752	$100,786	$100,822	$100,858	$100,893	$1,208,760
4	T&D Demand Charge	$2.99	$282,649	$284,198	$275,281	$250,636	$242,864	$265,346	$272,120	$261,556	$256,100	$251,843	$233,641	$259,957	$3,136,192
5	*Transmission*	$2.56	$242,001	$243,327	$235,692	$214,591	$207,937	$227,186	$232,985	$223,941	$219,269	$215,625	$200,041	$222,572	$2,685,168
6	*Distribution*	$0.43	$40,649	$40,871	$39,589	$36,045	$34,927	$38,160	$39,134	$37,615	$36,830	$36,218	$33,601	$37,385	$451,024
7	T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge		$240,261	$234,048	$197,322	$171,496	$157,274	$196,469	$268,403	$245,788	$180,831	$149,414	$166,946	$196,348	$2,404,598
11	LTC		$59,881	$48,379	$42,912	$76,857	$96,879	$96,131	$67,624	$60,269	$99,003	$122,212	$108,621	$85,855	$964,623
12	GRT Commodity	1.01010%	$2,460	$2,397	$2,023	$1,759	$1,614	$2,014	$2,746	$2,515	$1,854	$1,534	$1,712	$2,012	$24,639
13	GRT Delivery	1.01010%	$6,841	$6,753	$6,534	$6,421	$6,480	$6,888	$6,726	$6,457	$6,747	$6,904	$6,431	$6,687	$79,869
14	SBC/RPS/ETIP		$209,645	$210,793	$204,180	$185,900	$180,136	$196,811	$201,835	$194,000	$189,953	$186,795	$173,295	$192,814	$2,326,156
15	RKVA	$0.85	$24,451	$24,585	$23,813	$21,681	$21,009	$22,954	$23,540	$22,626	$22,154	$21,786	$20,211	$22,488	$271,297
16	MFC		$3,282	$3,247	$2,932	$2,612	$2,468	$2,880	$3,449	$3,228	$2,723	$2,471	$2,503	$2,866	$34,660
	Commodity Prices		$0.03670	$0.03549	$0.03083	$0.02938	$0.02775	$0.03167	$0.04211	$0.04005	$0.03004	$0.02519	$0.03028	$0.03195	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3/SC4 Large General - Subtranmission

		10.86% Bills	11	11	11	11	11	11	11	11	11	11	11	11	
		3.86% KWH	2,001,483	2,033,144	1,979,488	1,911,914	1,900,231	1,911,155	1,899,549	1,884,407	1,852,620	1,841,021	1,837,779	1,899,958	22,952,749
		0.2012% KW	4,026	4,090	3,982	3,846	3,823	3,845	3,821	3,791	3,727	3,703	3,697	3,822	46,172
		0.3043 RKVA	1,225	1,245	1,212	1,170	1,163	1,170	1,163	1,153	1,134	1,127	1,125	1,163	14,050
		2.07461% FS KWH	524,172	532,464	518,412	500,715	497,656	500,516	497,477	493,511	485,187	482,149	481,300	497,584	6,011,144
Line #			2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates	$55,811	$55,263	$51,360	$51,293	$51,503	$53,219	$56,623	$54,945	$51,362	$50,059	$52,197	$52,611	$636,246
2	Revenue Breakdown By Charge:	2021													
3	Customer Charge	$786.00	$8,655	$8,647	$8,638	$8,630	$8,623	$8,616	$8,609	$8,602	$8,596	$8,590	$8,583	$8,577	$103,366
4	T&D Demand Charge	$2.99	$12,038	$12,229	$11,906	$11,500	$11,429	$11,495	$11,425	$11,334	$11,143	$11,073	$11,054	$11,428	$138,055
5	*Transmission*	$2.56	$10,307	$10,470	$10,194	$9,846	$9,786	$9,842	$9,782	$9,704	$9,541	$9,481	$9,464	$9,784	$118,201
6	*Distribution*	$0.43	$1,731	$1,759	$1,712	$1,654	$1,644	$1,653	$1,643	$1,630	$1,603	$1,592	$1,590	$1,643	$19,854
7	T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge		$19,237	$18,897	$15,984	$14,710	$13,811	$15,852	$20,950	$19,764	$14,573	$12,146	$14,575	$15,899	$196,398
11	LTC		$3,114	$2,542	$2,266	$4,306	$5,567	$5,085	$3,467	$3,189	$5,260	$6,562	$6,275	$4,609	$52,245
12	GRT Commodity	1.01010%	$197	$194	$164	$151	$142	$162	$214	$202	$149	$125	$149	$163	$2,012
13	GRT Delivery	1.01010%	$361	$359	$350	$362	$373	$370	$352	$347	$364	$376	$373	$363	$4,350
14	SBC/RPS/ETIP		$10,904	$11,076	$10,784	$10,416	$10,352	$10,412	$10,348	$10,266	$10,093	$10,030	$10,012	$10,351	$125,042
15	RKVA	$0.85	$1,041	$1,058	$1,030	$995	$989	$994	$988	$980	$964	$958	$956	$989	$11,942
16	MFC		$263	$262	$237	$224	$217	$232	$269	$260	$219	$201	$219	$232	$2,835
	Commodity Prices		$0.03670	$0.03549	$0.03083	$0.02938	$0.02775	$0.03167	$0.04211	$0.04005	$0.03004	$0.02519	$0.03028	$0.03195	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3/SC7 Large General - Subtranmission

20.05%	Bills	7	7	7	7	7	7	7	7	7	7	7	7	
11.16%	KWH	1,687,149	1,699,535	1,647,752	1,516,885	1,477,082	1,588,755	1,620,138	1,566,148	1,534,618	1,512,026	1,422,464	1,560,684	18,833,236
0.2517%	KW	4,246	4,277	4,147	3,818	3,718	3,999	4,078	3,942	3,862	3,805	3,580	3,928	47,399
0.3043	RKVA	1,292	1,302	1,262	1,162	1,131	1,217	1,241	1,199	1,175	1,158	1,089	1,195	14,423
17.33929%	FS KWH	633,621	638,273	618,826	569,678	554,729	596,669	608,455	588,179	576,337	567,853	534,217	586,127	7,072,965

Line #			2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates	$55,173	$54,226	$49,632	$46,980	$45,985	$50,996	$56,993	$53,832	$48,767	$46,439	$46,569	$49,998	$605,588
2	Revenue Breakdown By Charge:	2021													
3	Customer Charge	$786.00	$5,438	$5,437	$5,437	$5,437	$5,438	$5,439	$5,440	$5,441	$5,443	$5,444	$5,446	$5,447	$65,287
4	T&D Demand Charge	$2.99	$12,696	$12,789	$12,400	$11,415	$11,115	$11,956	$12,192	$11,786	$11,548	$11,378	$10,704	$11,744	$141,724
5	*Transmission*	$2.56	$10,870	$10,950	$10,616	$9,773	$9,517	$10,236	$10,439	$10,091	$9,888	$9,742	$9,165	$10,055	$121,342
6	*Distribution*	$0.43	$1,826	$1,839	$1,783	$1,642	$1,599	$1,719	$1,753	$1,695	$1,661	$1,636	$1,539	$1,689	$20,382
7	T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge		$23,254	$22,652	$19,080	$16,736	$15,395	$18,897	$25,624	$23,555	$17,311	$14,305	$16,178	$18,728	$231,714
11	LTC		$2,625	$2,125	$1,887	$3,416	$4,328	$4,228	$2,957	$2,651	$4,357	$5,389	$4,857	$3,786	$42,606
12	GRT Commodity	1.01010%	$238	$232	$196	$172	$158	$194	$262	$241	$177	$147	$166	$192	$2,374
13	GRT Delivery	1.01010%	$314	$310	$301	$298	$302	$316	$308	$297	$310	$318	$300	$308	$3,682
14	SBC/RPS/ETIP		$9,191	$9,259	$8,977	$8,264	$8,047	$8,655	$8,826	$8,532	$8,360	$8,237	$7,749	$8,502	$102,600
15	RKVA	$0.85	$1,098	$1,106	$1,073	$987	$962	$1,034	$1,055	$1,020	$999	$984	$926	$1,016	$12,260
16	MFC		$318	$314	$283	$255	$242	$277	$329	$309	$261	$237	$243	$273	$3,341
	Commodity Prices		$0.03670	$0.03549	$0.03083	$0.02938	$0.02775	$0.03167	$0.04211	$0.04005	$0.03004	$0.02519	$0.03028	$0.03195	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
Line 11: # of kWh * rate
Line 12: Sum of (Lines 10+16) * rate
Line 13: Sum of (Lines 3+7+11+13) * rate
Line 14: # of kWh * rate
Line 16: Sum of (FS kWh * Current Rate) + (Line 10 * Current %)

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3/SC12 Large General - Subtranmission

60.00%	Bills	2	2	2	2	2	2	2	2	2	2	2	2	
6.80%	KWH	28,300	28,750	27,993	27,050	26,890	27,027	26,855	26,649	26,200	26,038	26,008	26,872	324,631
0.6716%	KW	190	193	188	182	181	182	180	179	176	175	175	180	
0.3043	RKVA	58	59	57	55	55	55	55	54	54	53	53	55	
7.08749%	FS KWH	0	0	0	0	0	0	0	0	0	0	0	0	

Line #			2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates	$2,570	$2,573	$2,546	$2,548	$2,560	$2,555	$2,526	$2,515	$2,531	$2,544	$2,538	$2,536	$30,542
2	Revenue Breakdown By Charge:	2021													
3	Customer Charge	$786.00	$1,729	$1,727	$1,725	$1,723	$1,722	$1,720	$1,719	$1,718	$1,716	$1,715	$1,714	$1,712	$20,640
4	T&D Demand Charge	$2.99	$568	$577	$562	$543	$540	$543	$539	$535	$526	$523	$522	$540	$6,519
5	*Transmission*	$2.56	$487	$494	$481	$465	$462	$465	$462	$458	$450	$448	$447	$462	$5,582
6	*Distribution*	$0.43	$82	$83	$81	$78	$78	$78	$78	$77	$76	$75	$75	$78	$938
7	T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	LTC		$44	$36	$32	$61	$79	$72	$49	$45	$74	$93	$89	$65	$739
12	GRT Commodity	1.01010%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	GRT Delivery	1.01010%	$26	$26	$25	$25	$26	$26	$25	$25	$25	$25	$25	$25	$305
14	SBC/RPS/ETIP		$154	$157	$152	$147	$146	$147	$146	$145	$143	$142	$142	$146	$1,769
15	RKVA	$0.85	$49	$50	$49	$47	$47	$47	$47	$46	$46	$45	$45	$47	$564
16	MFC		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$6
	Commodity Prices		$0.03670	$0.03549	$0.03083	$0.02938	$0.02775	$0.03167	$0.04211	$0.04005	$0.03004	$0.02519	$0.03028	$0.03195	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3/RNY Large General - Subtranmission

	Bills	0	0	0	0	0	0	0	0	0	0	0	0	
3.46%	KWH	3,401,046	3,455,150	3,364,114	3,250,856	3,231,640	3,248,028	3,227,432	3,202,577	3,148,663	3,129,226	3,125,560	3,229,397	39,013,690
0.2244%	KW	7,633	7,755	7,550	7,296	7,253	7,290	7,244	7,188	7,067	7,023	7,015	7,248	87,561
0.0000	RKVA	0	0	0	0	0	0	0	0	0	0	0	0	

Line #				2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates		$28,346	$27,741	$26,655	$29,358	$31,374	$30,659	$27,768	$27,129	$30,283	$32,365	$31,859	$29,724	$353,260
2	Revenue Breakdown By Charge:	2021														
3	Customer Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	T&D Demand Charge - New Allocations	$2.99	100.00%	$22,823	$23,186	$22,575	$21,815	$21,686	$21,796	$21,658	$21,491	$21,130	$20,999	$20,975	$21,671	$261,807
5	*Transmission*	$2.56	100.00%	$19,541	$19,852	$19,329	$18,678	$18,568	$18,662	$18,543	$18,401	$18,091	$17,979	$17,958	$18,555	$224,156
6	*Distribution*	$0.43	100.00%	$3,282	$3,334	$3,247	$3,137	$3,119	$3,135	$3,115	$3,091	$3,039	$3,020	$3,016	$3,117	$37,651
7	T&D Demand Charge - Existing Allocations	$2.99	0%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*	$1.89	0%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*	$1.10	0%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge	$0.00		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	LTC			$5,292	$4,320	$3,852	$7,322	$9,468	$8,643	$5,891	$5,420	$8,940	$11,153	$10,673	$7,834	$88,808
12	GRT Commodity	1.01010%		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	GRT Delivery	1.01010%		$231	$234	$228	$220	$219	$220	$219	$217	$213	$212	$212	$219	$2,645
14	RKVA			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	SBC/RPS/ETIP			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	LTC			$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP			$0.00000												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
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Line 12: Sum of (Lines 10+16) * rate
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Notes:
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3/PP Large General - Subtranmission

0.00%	Bills	0	0	0	0	0	0	0	0	0	0	0	0		
70.40%	KWH	1,056,334	1,073,139	1,044,864	1,009,687	1,003,719	1,008,808	1,002,412	994,692	977,947	971,910	970,771	1,003,022	12,117,303	24,234,606
0.2338%	KW	2,469	2,509	2,442	2,360	2,346	2,358	2,343	2,325	2,286	2,272	2,269	2,345	28,325	
0.0000	RKVA	0	0	0	0	0	0	0	0	0	0	0	0		

Line #		Rates		2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:			$7,458	$7,576	$7,377	$7,128	$7,086	$7,122	$7,077	$7,023	$6,904	$6,862	$6,854	$7,081	$85,548
2	Revenue Breakdown By Charge	2021														
3	Customer Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	T&D Demand Charge	$2.99	100.00%	$7,383	$7,501	$7,303	$7,057	$7,015	$7,051	$7,006	$6,952	$6,835	$6,793	$6,785	$7,011	$84,692
5	*Transmission*	$2.56	100.00%	$6,321	$6,422	$6,253	$6,042	$6,006	$6,037	$5,999	$5,952	$5,852	$5,816	$5,809	$6,002	$72,513
6	*Distribution*	$0.43	100.00%	$1,062	$1,079	$1,050	$1,015	$1,009	$1,014	$1,008	$1,000	$983	$977	$976	$1,008	$12,180
7	T&D Demand Charge	$2.99		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*	$2.56		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*	$0.43		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge	$0.00		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	Capacity Charge	$0.00		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
12	GRT Commodity	1.01010%		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	GRT Delivery	1.01010%		$75	$76	$74	$71	$71	$71	$71	$70	$69	$69	$69	$71	$855
14	RKVA			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	SBC/RPS/ETIP			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

SBC/RPS/ETIP $0.00000

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
Line 11: # of kWh * rate
Line 12: Sum of (Lines 10+16) * rate
Line 13: Sum of (Lines 3+7+11+13) * rate
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3/R&E Large General - Subtranmission

0.00%	Bills	0	0	0	0	0	0	0	0	0	0	0	0	
1.67%	KWH	3,614,603	3,672,104	3,575,352	3,454,982	3,434,560	3,451,976	3,430,088	3,403,671	3,346,373	3,325,715	3,321,818	3,432,176	41,463,418
0.2030%	KW	7,339	7,456	7,260	7,015	6,974	7,009	6,965	6,911	6,795	6,753	6,745	6,969	84,189
0.0000	RKVA	0	0	0	0	0	0	0	0	0	0	0	0	

Line #				2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates		$22,166	$22,519	$21,925	$21,187	$21,062	$21,169	$21,035	$20,873	$20,521	$20,395	$20,371	$21,047	$254,269
2	Revenue Breakdown By Charge:	2021														
3	Customer Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	T&D Demand Charge	$2.99	100.00%	$21,944	$22,294	$21,706	$20,975	$20,851	$20,957	$20,824	$20,664	$20,316	$20,191	$20,167	$20,837	$251,727
5	*Transmission*	$2.56	100.00%	$18,789	$19,087	$18,585	$17,959	$17,853	$17,943	$17,829	$17,692	$17,394	$17,287	$17,267	$17,840	$215,525
6	*Distribution*	$0.43	100.00%	$3,156	$3,206	$3,122	$3,017	$2,999	$3,014	$2,995	$2,972	$2,922	$2,904	$2,900	$2,997	$36,201
7	T&D Demand Charge	$2.99		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*	$2.56		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*	$0.43		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge	$0.00		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	Capacity Charge	$0.00		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
12	GRT Commodity	1.01010%		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	GRT Delivery	1.01010%		$222	$225	$219	$212	$211	$212	$210	$209	$205	$204	$204	$210	$2,543
14	RKVA			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	SBC/RPS/ETIP			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

SBC/RPS/ETIP $0.00000

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3 Large General - Transmission

0.39%	Bills	18	18	18	18	18	18	18	18	18	18	18	18	
1.37%	KWH	7,322,544	7,362,660	7,131,658	6,493,168	6,291,839	6,874,267	7,049,750	6,776,094	6,634,731	6,524,450	6,052,905	6,734,662	81,248,728
0.2263%	KW	16,569	16,660	16,137	14,693	14,237	15,555	15,952	15,333	15,013	14,763	13,696	15,239	183,849
0.3506	RKVA	5,809	5,841	5,657	5,151	4,991	5,453	5,592	5,375	5,263	5,176	4,802	5,342	64,452
2.5763%	FS KWH	2,379,697	2,397,211	2,326,335	2,122,009	2,060,040	2,254,915	2,316,764	2,230,952	2,188,444	2,156,036	2,003,892	2,233,692	26,669,988

Line #		Rates	2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:		$203,647	$200,112	$182,751	$170,898	$167,942	$188,838	$205,170	$192,724	$181,186	$172,997	$169,056	$183,477	$2,218,798
2	Revenue Breakdown By Charge:	2021													
3	Customer Charge	$786.00	$14,096	$14,095	$14,095	$14,096	$14,099	$14,102	$14,106	$14,111	$14,115	$14,120	$14,125	$14,130	$169,290
4	T&D Demand Charge	$2.99	$49,542	$49,814	$48,251	$43,931	$42,569	$46,510	$47,697	$45,845	$44,889	$44,143	$40,952	$45,565	$549,708
5	*Transmission*	$2.56	$42,418	$42,650	$41,312	$37,613	$36,447	$39,821	$40,837	$39,252	$38,433	$37,794	$35,063	$39,012	$470,653
6	*Distribution*	$0.43	$7,125	$7,164	$6,939	$6,318	$6,122	$6,689	$6,859	$6,593	$6,456	$6,348	$5,889	$6,553	$79,055
7	T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge	$0.00	$80,605	$78,788	$65,731	$55,884	$51,784	$64,962	$84,134	$76,807	$59,966	$48,947	$53,704	$63,398	$784,708
11	LTC		$11,394	$9,206	$8,165	$14,625	$18,434	$18,292	$12,868	$11,468	$18,839	$23,255	$20,669	$16,337	$183,551
12	GRT Commodity	1.01010%	$826	$807	$674	$574	$532	$666	$861	$787	$615	$503	$551	$650	$8,047
13	GRT Delivery	1.01010%	$1,211	$1,194	$1,153	$1,135	$1,148	$1,222	$1,190	$1,140	$1,197	$1,227	$1,139	$1,184	$14,141
14	SBC/RPS/ETIP		$39,892	$40,110	$38,852	$35,374	$34,277	$37,450	$38,406	$36,915	$36,145	$35,544	$32,975	$36,689	$442,628
15	RKVA	$0.85	$4,937	$4,964	$4,809	$4,378	$4,242	$4,635	$4,753	$4,569	$4,474	$4,399	$4,081	$4,541	$54,784
16	MFC		$1,143	$1,134	$1,022	$902	$857	$999	$1,155	$1,081	$947	$859	$858	$983	$11,941
	Commodity Prices		$0.03387	$0.03287	$0.02826	$0.02634	$0.02514	$0.02881	$0.03632	$0.03443	$0.02740	$0.02270	$0.02680	$0.02838	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
Line 11: # of kWh * rate
Line 12: Sum of (Lines 10+16) * rate
Line 13: Sum of (Lines 3+4+11+14+15) * rate
Line 14: # of kWh * rate
Line 15: # of RKVA * rate
Line 16: Sum of (FS kWh * Current Rate) + (Line 10 * Current %)

Notes:
1. RY4 Current Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3/SC4 Large General - Transmission

6.02%	Bills	6	6	6	6	6	6	6	6	6	6	6	6	
1.18%	KWH	610,012	619,662	603,309	582,714	579,153	582,482	578,945	574,330	564,642	561,107	560,119	579,070	6,995,545
0.3046%	KW	1,858	1,888	1,838	1,775	1,764	1,774	1,764	1,749	1,720	1,709	1,706	1,764	21,309
0.3506	RKVA	651	662	644	622	618	622	618	613	603	599	598	618	7,470
2.0506%	FS KWH	518,098	526,294	512,404	494,912	491,888	494,716	491,712	487,792	479,564	476,561	475,722	491,818	5,941,481

Line #		Rates	2021 Apr	2021 May	2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	Total
1	Total Revenue:	Rates	$33,307	$33,022	$29,805	$28,633	$28,280	$30,101	$33,211	$31,967	$28,731	$26,710	$28,567	$29,581	$361,916
2	Revenue Breakdown By Charge:	2021													
3	Customer Charge	$786.00	$4,794	$4,789	$4,784	$4,780	$4,776	$4,772	$4,768	$4,764	$4,761	$4,757	$4,754	$4,751	$57,249
4	T&D Demand Charge	$2.99	$5,556	$5,644	$5,495	$5,307	$5,275	$5,305	$5,273	$5,231	$5,143	$5,111	$5,102	$5,274	$63,715
5	*Transmission*	$2.56	$4,757	$4,832	$4,705	$4,544	$4,516	$4,542	$4,515	$4,479	$4,403	$4,376	$4,368	$4,516	$54,552
6	*Distribution*	$0.43	$799	$812	$790	$763	$759	$763	$758	$752	$740	$735	$734	$758	$9,163
7	T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge		$17,549	$17,297	$14,478	$13,034	$12,365	$14,252	$17,857	$16,794	$13,141	$10,819	$12,749	$13,959	$174,293
11	LTC		$949	$775	$691	$1,312	$1,697	$1,550	$1,057	$972	$1,603	$2,000	$1,913	$1,405	$15,923
12	GRT Commodity	1.01010%	$180	$177	$149	$134	$127	$146	$183	$172	$135	$111	$131	$143	$1,787
13	GRT Delivery	1.01010%	$153	$153	$150	$153	$156	$155	$149	$148	$152	$156	$155	$153	$1,832
14	SBC/RPS/ETIP		$3,323	$3,376	$3,287	$3,175	$3,155	$3,173	$3,154	$3,129	$3,076	$3,057	$3,051	$3,155	$38,110
15	RKVA	$0.85	$554	$562	$548	$529	$526	$529	$526	$521	$513	$509	$508	$526	$6,350
16	MFC		$249	$249	$225	$210	$205	$219	$245	$236	$208	$190	$204	$216	$2,656
	Commodity Prices		$0.03387	$0.03287	$0.02826	$0.02634	$0.02514	$0.02881	$0.03632	$0.03443	$0.02740	$0.02270	$0.02680	$0.02838	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
Line 11: # of kWh * rate
Line 12: Sum of (Lines 10+16) * rate
Line 13: Sum of (Lines 3+4+11+14+15) * rate
Line 14: # of kWh * rate
Line 15: # of RKVA * rate
Line 16: Sum of (FS kWh * Current Rate) + (Line 10 * Current %)

Notes:
1. RY4 Current Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3/SC7 Large General - Transmission

14.32%	Bills	5	5	5	5	5	5	5	5	5	5	5	5	
1.58%	KWH	239,518	241,277	233,925	215,347	209,696	225,550	230,005	222,340	217,864	214,657	201,942	221,565	2,673,684
0.8312%	KW	1,991	2,006	1,944	1,790	1,743	1,875	1,912	1,848	1,811	1,784	1,679	1,842	22,225
0.3506	RKVA	698	703	682	628	611	657	670	648	635	626	588	646	7,791
4.4120%	FS KWH	161,226	162,410	157,461	144,955	141,152	151,823	154,822	149,663	146,650	144,491	135,932	149,141	1,799,726

Line #		Rates	2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates	$17,825	$17,686	$16,502	$15,461	$15,130	$16,484	$17,722	$16,946	$15,888	$15,180	$15,051	$16,151	$196,026
2	Revenue Breakdown By Charge	2021													
3	Customer Charge	$786.00	$3,884	$3,884	$3,884	$3,884	$3,884	$3,885	$3,886	$3,887	$3,888	$3,889	$3,890	$3,891	$46,634
4	T&D Demand Charge	$2.99	$5,953	$5,997	$5,814	$5,352	$5,212	$5,606	$5,717	$5,526	$5,415	$5,335	$5,019	$5,507	$66,452
5	*Transmission*	$2.56	$5,097	$5,134	$4,978	$4,583	$4,462	$4,800	$4,894	$4,731	$4,636	$4,568	$4,297	$4,715	$56,896
6	*Distribution*	$0.43	$856	$862	$836	$770	$750	$806	$822	$795	$779	$767	$722	$792	$9,557
7	T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge		$5,461	$5,338	$4,449	$3,817	$3,548	$4,374	$5,622	$5,153	$4,018	$3,280	$3,643	$4,233	$52,937
11	LTC		$373	$302	$268	$485	$614	$600	$420	$376	$619	$765	$690	$537	$6,049
12	GRT Commodity	1.01010%	$56	$55	$46	$39	$36	$45	$58	$53	$41	$34	$37	$43	$543
13	GRT Delivery	1.01010%	$122	$122	$119	$115	$115	$120	$120	$117	$118	$118	$113	$118	$1,417
14	SBC/RPS/ETIP		$1,305	$1,314	$1,274	$1,173	$1,142	$1,229	$1,253	$1,211	$1,187	$1,169	$1,100	$1,207	$14,566
15	RKVA	$0.85	$593	$598	$579	$533	$519	$559	$570	$551	$540	$532	$500	$549	$6,623
16	MFC		$77	$77	$69	$62	$59	$67	$77	$73	$63	$58	$58	$66	$806
	Commodity Prices		$0.03387	$0.03287	$0.02826	$0.02634	$0.02514	$0.02881	$0.03632	$0.03443	$0.02740	$0.02270	$0.02680	$0.02838	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
Line 11: # of kWh * rate
Line 12: Sum of (Lines 10+16) * rate
Line 13: Sum of (Lines 3+4+11+14+15) * rate
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Notes:
1. RY4 Current Rates
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3/RNY Large General - Transmission

	Bills		0	0	0	0	0	0	0	0	0	0	0	0	
0.66%	KWH		650,751	661,103	643,684	622,014	618,337	621,473	617,532	612,776	602,460	598,741	598,040	617,908	7,464,820
0.2305%	KW		1,500	1,524	1,484	1,434	1,425	1,432	1,423	1,412	1,389	1,380	1,378	1,424	17,206
0.0000	RKVA		0	0	0	0	0	0	0	0	0	0	0	0	

Line #		Rates		2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates		$5,543	$5,429	$5,218	$5,731	$6,116	$5,980	$5,426	$5,303	$5,905	$6,302	$6,205	$5,800	$68,957
2	Revenue Breakdown By Charge:	2021														
3	Customer Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	T&D Demand Charge - New Allocations	$2.99	100.00%	$4,485	$4,556	$4,436	$4,287	$4,261	$4,283	$4,256	$4,223	$4,152	$4,126	$4,122	$4,258	$51,445
5	*Transmission*	$2.56	100.00%	$3,840	$3,901	$3,798	$3,670	$3,649	$3,667	$3,644	$3,616	$3,555	$3,533	$3,529	$3,646	$44,047
6	*Distribution*	$0.43	100.00%	$645	$655	$638	$616	$613	$616	$612	$607	$597	$593	$593	$612	$7,398
7	T&D Demand Charge - Existing Allocations	$2.99	0%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*	$1.89	0%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*	$1.10	0%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	LTC			$1,013	$827	$737	$1,401	$1,812	$1,654	$1,127	$1,037	$1,711	$2,134	$2,042	$1,499	$16,992
12	GRT Commodity	1.01010%		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	GRT Delivery	1.01010%		$45	$46	$45	$43	$43	$43	$43	$43	$42	$42	$42	$43	$520
14	RKVA			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	SBC/RPS/ETIP			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

LTC
SBC/RPS/ETIP

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
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Notes:
1. RY4 Current Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3/R&E Large General - Transmission

0.00%	Bills	0	0	0	0	0	0	0	0	0	0	0	0	
1.84%	KWH	3,993,480	4,057,008	3,950,115	3,817,128	3,794,565	3,813,807	3,789,624	3,760,439	3,697,134	3,674,311	3,670,006	3,791,931	45,809,547
0.1904%	KW	7,604	7,725	7,521	7,268	7,225	7,262	7,215	7,160	7,039	6,996	6,988	7,220	87,222
0.0000	RKVA	0	0	0	0	0	0	0	0	0	0	0	0	

Line #				2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates		$22,965	$23,330	$22,715	$21,950	$21,821	$21,931	$21,792	$21,624	$21,260	$21,129	$21,104	$21,806	$263,428
2	Revenue Breakdown By Charge:	2021														
3	Customer Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	T&D Demand Charge	$2.99	100.00%	$22,735	$23,097	$22,488	$21,731	$21,602	$21,712	$21,574	$21,408	$21,048	$20,918	$20,893	$21,587	$260,794
5	*Transmission*	$2.56	100.00%	$19,465	$19,775	$19,254	$18,606	$18,496	$18,590	$18,472	$18,329	$18,021	$17,910	$17,889	$18,483	$223,288
6	*Distribution*	$0.43	100.00%	$3,270	$3,322	$3,234	$3,125	$3,107	$3,122	$3,103	$3,079	$3,027	$3,008	$3,005	$3,105	$37,505
7	T&D Demand Charge	$2.99		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*	$2.56		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*	$0.43		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	Capacity Charge	$0.00		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
12	GRT Commodity	1.01010%		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	GRT Delivery	1.01010%		$230	$233	$227	$220	$218	$219	$218	$216	$213	$211	$211	$218	$2,634
14	RKVA			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	SBC/RPS/ETIP			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

SBC/RPS/ETIP $0.00000

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
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Line 16: Sum of (FS kWh * Current Rate) + (Line 10 * Current %)

Notes:
1. RY4 Current Rates
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3A Large General Time of Use- Secondary

	6.65% Bills	12	12	12	12	12	12	12	12	12	12	12	12	
	2.28% KWH	11,347,864	11,482,658	11,157,953	10,543,760	10,383,869	10,766,158	10,829,064	10,614,318	10,419,291	10,313,463	10,023,611	10,644,423	128,526,432
	0.2161% KW	24,518	24,809	24,108	22,781	22,435	23,261	23,397	22,933	22,512	22,283	21,657	22,998	277,695
	0.0761 RKVA	1,866	1,889	1,835	1,734	1,708	1,771	1,781	1,746	1,714	1,696	1,649	1,751	21,140
	0.1273% FS KWH	82,982	83,968	81,593	77,102	75,933	78,728	79,188	77,618	76,192	75,418	73,298	77,838	939,856
Line #		2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1 Total Revenue:	Rates	$375,937	$376,471	$365,035	$357,981	$359,883	$369,650	$363,099	$354,808	$360,240	$363,935	$353,262	$363,102	$4,363,403
2 Revenue Breakdown By Charge:	2021													
3 Customer Charge	$2,000.00	$23,987	$23,973	$23,960	$23,950	$23,940	$23,932	$23,925	$23,919	$23,913	$23,908	$23,902	$23,897	$287,208
4 T&D Demand Charge	$10.77	$264,061	$267,198	$259,642	$245,350	$241,630	$250,525	$251,989	$246,992	$242,454	$239,991	$233,247	$247,693	$2,990,772
5 *Transmission*	$3.37	$82,626	$83,608	$81,244	$76,772	$75,607	$78,391	$78,849	$77,285	$75,865	$75,095	$72,984	$77,505	$935,831
6 *Distribution*	$7.40	$181,435	$183,590	$178,399	$168,579	$166,022	$172,134	$173,140	$169,707	$166,589	$164,897	$160,262	$170,188	$2,054,941
7 T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8 *Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9 *Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10 Commodity Energy Charge		$2,707	$2,658	$2,312	$2,111	$1,947	$2,354	$2,937	$2,741	$2,142	$1,691	$2,033	$2,252	$27,883
11 LTC		$17,658	$14,357	$12,775	$23,748	$30,424	$28,648	$19,766	$17,964	$29,585	$36,760	$34,227	$25,821	$291,733
12 GRT Commodity	1.01010%	$28	$27	$24	$22	$20	$24	$30	$28	$22	$17	$21	$23	$286
13 GRT Delivery	1.01010%	$3,732	$3,737	$3,627	$3,558	$3,579	$3,672	$3,601	$3,520	$3,580	$3,622	$3,512	$3,608	$43,348
14 SBC/RPS/ETIP		$61,821	$62,555	$60,786	$57,440	$56,569	$58,652	$58,995	$57,825	$56,762	$56,186	$54,607	$57,989	$700,188
15 RKVA	$1.02	$1,904	$1,926	$1,872	$1,769	$1,742	$1,806	$1,817	$1,781	$1,748	$1,730	$1,682	$1,786	$21,563
16 MFC		$39	$39	$36	$33	$32	$36	$40	$38	$33	$30	$32	$35	$422
Commodity Prices		$0.03262	$0.03165	$0.02834	$0.02738	$0.02564	$0.02990	$0.03709	$0.03531	$0.02812	$0.02242	$0.02773	$0.02893	
LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
Line 11: # of kWh * rate
Line 12: Sum of (Lines 10+16) * rate
Line 13: Sum of (Lines 3+4+11+14+15) * rate
Line 14: # of kWh * rate
Line 15: # of RKVA * rate
Line 16: Sum of (FS kWh * Current Rate) + (Line 10 * Current %)

Notes:
1. RY4 Current Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3A/RNY Large General Time of Use- Secondary

0.00%	Bills	0	0	0	0	0	0	0	0	0	0	0	0	
0.43%	KWH	424,433	431,185	419,824	405,690	403,292	405,337	402,767	399,665	392,937	390,512	390,054	403,012	4,868,711
0.0000%	KW	0	0	0	0	0	0	0	0	0	0	0	0	
0.0000	RKVA	0	0	0	0	0	0	0	0	0	0	0	0	

Line #		Rates		2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates		$660	$539	$481	$914	$1,182	$1,079	$735	$676	$1,116	$1,392	$1,332	$978	$11,083
2	Revenue Breakdown By Charge:	2021														
3	Customer Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	T&D Demand Charge - New Allocations	$10.77	100.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
5	*Transmission*	$3.37	100.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
6	*Distribution*	$7.40	100.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
7	T&D Demand Charge - Existing Allocations	$4.95	0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*	$1.89	0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*	$3.06	0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	LTC			$660	$539	$481	$914	$1,182	$1,079	$735	$676	$1,116	$1,392	$1,332	$978	$11,083
12	GRT Commodity	1.01010%		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	GRT Delivery	1.01010%		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
14	RKVA			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	SBC/RPS/ETIP			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	LTC			$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP			$0.00000												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
Line 11: # of kWh * rate
Line 12: Sum of (Lines 10+16) * rate
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Line 16: Sum of (FS kWh * Current Rate) + (Line 10 * Current %)

Notes:
1. RY4 Current Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3A Large General Time of Use- Primary

22.74% Bills		41	41	41	41	41	41	41	41	41	41	41	41	
8.24% KWH		40,966,721	41,453,338	40,281,127	38,063,842	37,486,622	38,866,717	39,093,812	38,318,561	37,614,498	37,232,450	36,186,061	38,427,242	463,990,991
0.2163% KW		88,606	89,658	87,123	82,327	81,079	84,064	84,555	82,878	81,355	80,529	78,266	83,113	1,003,555
0.2256 RKVA		19,986	20,224	19,652	18,570	18,289	18,962	19,073	18,694	18,351	18,165	17,654	18,748	226,368
2.7226% FS KWH		1,774,968	1,796,052	1,745,264	1,649,195	1,624,186	1,683,981	1,693,821	1,660,231	1,629,726	1,613,173	1,567,836	1,664,940	20,103,374
Line #		2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1 Total Revenue:	Rates	$1,420,438	$1,421,101	$1,371,059	$1,340,625	$1,345,660	$1,388,479	$1,380,185	$1,345,899	$1,350,511	$1,356,311	$1,322,137	$1,362,941	$16,405,346
2 Revenue Breakdown By Charge	2021													
3 Customer Charge	$2,000.00	$81,957	$81,908	$81,865	$81,828	$81,796	$81,769	$81,745	$81,723	$81,703	$81,684	$81,667	$81,649	$981,294
4 T&D Demand Charge	$10.77	$954,286	$965,621	$938,315	$886,666	$873,220	$905,368	$910,658	$892,599	$876,199	$867,299	$842,924	$895,131	$10,808,285
5 *Transmission*	$3.37	$298,602	$302,149	$293,605	$277,443	$273,236	$283,295	$284,951	$279,300	$274,168	$271,383	$263,756	$280,092	$3,381,980
6 *Distribution*	$7.40	$655,684	$663,472	$644,711	$609,222	$599,984	$622,073	$625,707	$613,299	$602,031	$595,916	$579,168	$615,039	$7,426,305
7 T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8 *Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9 *Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10 Commodity Energy Charge		$61,814	$60,215	$50,781	$45,968	$43,783	$52,182	$69,293	$64,585	$47,937	$39,035	$44,926	$50,097	$630,617
11 LTC		$63,747	$51,830	$46,120	$85,731	$109,832	$103,422	$71,356	$64,852	$106,803	$132,706	$123,563	$93,215	$1,053,179
12 GRT Commodity	1.01010%	$633	$617	$521	$472	$449	$535	$709	$661	$492	$401	$461	$514	$6,464
13 GRT Delivery	1.01010%	$13,571	$13,594	$13,190	$12,935	$13,007	$13,350	$13,093	$12,798	$13,014	$13,162	$12,761	$13,116	$157,590
14 SBC/RPS/ETIP		$223,179	$225,830	$219,444	$207,365	$204,220	$211,739	$212,976	$208,752	$204,917	$202,835	$197,135	$209,344	$2,527,735
15 RKVA	$1.02	$20,386	$20,628	$20,045	$18,942	$18,654	$19,341	$19,454	$19,068	$18,718	$18,528	$18,007	$19,122	$230,895
16 MFC		$865	$858	$777	$720	$698	$773	$902	$859	$730	$660	$693	$754	$9,289
Commodity Prices		$0.03483	$0.03353	$0.02910	$0.02787	$0.02696	$0.03099	$0.04091	$0.03890	$0.02941	$0.02420	$0.02865	$0.03009	
LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
Line 11: # of kWh * rate
Line 12: Sum of (Lines 10+16) * rate
Line 13: Sum of (Lines 3+4+11+14+15) * rate
Line 14: # of kWh * rate
Line 15: # of RKVA * rate
Line 16: Sum of (FS kWh * Current Rate) + (Line 10 * Current %)

Notes:
1. RY4 Current Rates
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3A/SC4 Large General Time of Use- Primary

		10.69% Bills	11	11	11	11	11	11	11	11	11	11	11	11	
		13.37% KWH	6,938,380	7,048,137	6,862,133	6,627,879	6,587,380	6,625,248	6,585,015	6,532,522	6,422,330	6,382,122	6,370,882	6,586,433	79,568,459
		0.2114% KW	14,669	14,901	14,507	14,012	13,927	14,007	13,922	13,811	13,578	13,493	13,469	13,925	168,217
		0.2256 RKVA	3,309	3,361	3,272	3,161	3,141	3,159	3,140	3,115	3,063	3,043	3,038	3,141	37,944
		4.2468% FS KWH	1,072,989	1,089,963	1,061,198	1,024,972	1,018,709	1,024,565	1,018,343	1,010,225	993,185	986,967	985,228	1,018,562	12,304,906
Line #			2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates	$272,249	$272,569	$260,419	$258,392	$260,487	$264,243	$267,476	$262,560	$256,335	$254,285	$257,366	$260,230	$3,146,612
2	Revenue Breakdown By Charge:	2021													
3	Customer Charge	$2,000.00	$21,685	$21,663	$21,642	$21,622	$21,603	$21,585	$21,568	$21,552	$21,536	$21,520	$21,505	$21,490	$258,972
4	T&D Demand Charge	$10.77	$157,981	$160,480	$156,244	$150,911	$149,989	$150,851	$149,935	$148,740	$146,231	$145,315	$145,059	$149,967	$1,811,701
5	*Transmission*	$3.37	$49,433	$50,215	$48,890	$47,221	$46,932	$47,202	$46,916	$46,542	$45,756	$45,470	$45,390	$46,926	$566,892
6	*Distribution*	$7.40	$108,547	$110,265	$107,355	$103,690	$103,056	$103,649	$103,019	$102,198	$100,474	$99,845	$99,669	$103,041	$1,244,808
7	T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge		$37,367	$36,542	$30,877	$28,569	$27,461	$31,749	$41,660	$39,299	$29,214	$23,882	$28,232	$30,648	$385,500
11	LTC		$10,797	$8,812	$7,857	$14,928	$19,300	$17,629	$12,019	$11,056	$18,236	$22,748	$21,754	$15,977	$181,114
12	GRT Commodity	1.01010%	$383	$374	$317	$293	$282	$325	$426	$402	$300	$245	$290	$314	$3,951
13	GRT Delivery	1.01010%	$2,340	$2,351	$2,288	$2,291	$2,323	$2,317	$2,248	$2,223	$2,264	$2,298	$2,284	$2,288	$27,515
14	SBC/RPS/ETIP		$37,799	$38,397	$37,384	$36,107	$35,887	$36,093	$35,874	$35,588	$34,988	$34,769	$34,707	$35,882	$433,474
15	RKVA	$1.02	$3,375	$3,428	$3,338	$3,224	$3,204	$3,223	$3,203	$3,177	$3,124	$3,104	$3,099	$3,204	$38,703
16	MFC		$523	$521	$473	$447	$438	$471	$542	$523	$445	$404	$436	$461	$5,682
	Commodity Prices		$0.03483	$0.03353	$0.02910	$0.02787	$0.02696	$0.03099	$0.04091	$0.03890	$0.02941	$0.02420	$0.02865	$0.03009	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
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Notes:
1. RY4 Current Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3A/SC7 Large General Time of Use- Primary

	14.08% Bills	5	5	5	5	5	5	5	5	5	5	5	5	
	31.88% KWH	4,821,230	4,856,626	4,708,649	4,334,682	4,220,940	4,540,057	4,629,740	4,475,456	4,385,356	4,320,796	4,064,863	4,459,843	53,818,237
	0.4723% KW	22,769	22,936	22,237	20,471	19,934	21,441	21,865	21,136	20,711	20,406	19,197	21,062	254,166
	0.2256 RKVA	5,136	5,174	5,016	4,618	4,496	4,836	4,932	4,768	4,672	4,603	4,330	4,751	57,331
	58.1820% FS KWH	2,126,118	2,141,727	2,076,471	1,911,554	1,861,396	2,002,123	2,041,672	1,973,635	1,933,901	1,905,431	1,792,567	1,966,750	23,733,345

Line #			2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates	$372,756	$371,087	$350,219	$325,652	$318,519	$348,838	$372,241	$355,534	$334,988	$323,253	$312,207	$340,007	$4,125,301
2	Revenue Breakdown By Charge:	2021													
3	Customer Charge	$2,000.00	$9,719	$9,718	$9,717	$9,717	$9,718	$9,720	$9,722	$9,725	$9,727	$9,730	$9,733	$9,735	$116,683
4	T&D Demand Charge	$10.77	$245,223	$247,024	$239,497	$220,476	$214,691	$230,922	$235,484	$227,636	$223,053	$219,770	$206,752	$226,842	$2,737,370
5	*Transmission*	$3.37	$76,732	$77,295	$74,940	$68,988	$67,178	$72,257	$73,684	$71,229	$69,795	$68,767	$64,694	$70,980	$856,540
6	*Distribution*	$7.40	$168,491	$169,728	$164,557	$151,488	$147,513	$158,665	$161,799	$156,407	$153,259	$151,002	$142,058	$155,862	$1,880,830
7	T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge		$74,043	$71,804	$60,419	$53,280	$50,177	$62,041	$83,523	$76,777	$56,885	$46,107	$51,366	$59,178	$745,599
11	LTC		$7,502	$6,072	$5,391	$9,763	$12,367	$12,081	$8,450	$7,574	$12,452	$15,400	$13,880	$10,818	$121,752
12	GRT Commodity	1.01010%	$758	$736	$620	$547	$515	$636	$855	$786	$583	$474	$527	$607	$7,642
13	GRT Delivery	1.01010%	$2,969	$2,975	$2,883	$2,710	$2,670	$2,852	$2,868	$2,769	$2,767	$2,759	$2,595	$2,793	$33,611
14	SBC/RPS/ETIP		$26,265	$26,458	$25,652	$23,615	$22,995	$24,733	$25,222	$24,381	$23,891	$23,539	$22,145	$24,296	$293,192
15	RKVA	$1.02	$5,239	$5,277	$5,116	$4,710	$4,586	$4,933	$5,031	$4,863	$4,765	$4,695	$4,417	$4,846	$58,478
16	MFC		$1,037	$1,024	$925	$834	$800	$919	$1,087	$1,021	$866	$780	$792	$890	$10,974
	Commodity Prices		$0.03483	$0.03353	$0.02910	$0.02787	$0.02696	$0.03099	$0.04091	$0.03890	$0.02941	$0.02420	$0.02865	$0.03009	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
Line 11: # of kWh * rate
Line 12: Sum of (Lines 10+16) * rate
Line 13: Sum of (Lines 3+4+11+14+15) * rate
Line 14: # of kWh * rate
Line 15: # of RKVA * rate
Line 16: Sum of (FS kWh * Current Rate) + (Line 10 * Current %)

Notes:
1. RY4 Current Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3A/RNY Large General Time of Use- Primary

0.00%	Bills	0	0	0	0	0	0	0	0	0	0	0	0	
8.05%	KWH	7,901,598	8,027,298	7,815,795	7,552,665	7,508,021	7,546,094	7,498,245	7,440,498	7,315,241	7,270,083	7,261,565	7,502,809	90,639,911
0.2069%	KW	16,351	16,611	16,173	15,628	15,536	15,615	15,516	15,396	15,137	15,044	15,026	15,525	187,558
0.0000	RKVA	0	0	0	0	0	0	0	0	0	0	0	0	

Line #				2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates		$190,169	$190,740	$184,891	$187,030	$191,012	$189,951	$182,480	$180,087	$185,445	$189,570	$188,262	$187,097	$2,246,736
2	Revenue Breakdown By Charge:	2021														
3	Customer Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	T&D Demand Charge - New Allocations	$10.77	100.00%	$176,095	$178,897	$174,183	$168,319	$167,324	$168,172	$167,106	$165,819	$163,028	$162,021	$161,831	$167,208	$2,020,004
5	*Transmission*	$3.37	100.00%	$55,101	$55,978	$54,503	$52,668	$52,357	$52,622	$52,289	$51,886	$51,012	$50,697	$50,638	$52,320	$632,072
6	*Distribution*	$7.40	100.00%	$120,994	$122,919	$119,680	$115,651	$114,967	$115,550	$114,818	$113,933	$112,015	$111,324	$111,193	$114,887	$1,387,932
7	T&D Demand Charge - Existing Allocations	$4.95	0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*	$1.89	0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*	$3.06	0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	LTC			$12,295	$10,037	$8,949	$17,011	$21,998	$20,080	$13,686	$12,593	$20,771	$25,913	$24,796	$18,200	$206,327
12	GRT Commodity	1.01010%		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	GRT Delivery	1.01010%		$1,779	$1,807	$1,759	$1,700	$1,690	$1,699	$1,688	$1,675	$1,647	$1,637	$1,635	$1,689	$20,404
14	RKVA			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	SBC/RPS/ETIP			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	LTC			$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP			$0.00000												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
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Line 12: Sum of (Lines 10+16) * rate
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Notes:
1. RY4 Current Rates
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3A/Preservation Power Large General Time of Use- Primary

0.00%	Bills	0	0	0	0	0	0	0	0	0	0	0	0	
18.34%	KWH	275,166	279,543	272,178	263,014	261,460	262,786	261,119	259,108	254,746	253,174	252,877	261,278	3,156,449
0.1625%	KW	447	454	442	427	425	427	424	421	414	411	411	425	5,129
0.0000	RKVA	0	0	0	0	0	0	0	0	0	0	0	0	

Line #				2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates		$5,292	$5,291	$5,123	$5,242	$5,388	$5,345	$5,093	$5,019	$5,227	$5,378	$5,334	$5,253	$62,983
2	Revenue Breakdown By Charge:	2021														
3	Customer Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	T&D Demand Charge - New Allocations	$10.77	100.00%	$4,816	$4,892	$4,763	$4,603	$4,576	$4,599	$4,570	$4,535	$4,458	$4,431	$4,426	$4,573	$55,240
5	*Transmission*	$3.37	100.00%	$1,507	$1,531	$1,490	$1,440	$1,432	$1,439	$1,430	$1,419	$1,395	$1,386	$1,385	$1,431	$17,285
6	*Distribution*	$7.40	100.00%	$3,309	$3,361	$3,273	$3,163	$3,144	$3,160	$3,140	$3,116	$3,063	$3,044	$3,041	$3,142	$37,955
7	T&D Demand Charge - Existing Allocations	$4.95	0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*	$1.89	0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*	$3.06	0.00%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	LTC			$428	$350	$312	$592	$766	$699	$477	$439	$723	$902	$863	$634	$7,185
12	GRT Commodity	1.01010%		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	GRT Delivery	1.01010%		$49	$49	$48	$46	$46	$46	$46	$46	$45	$45	$45	$46	$558
14	RKVA			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	SBC/RPS/ETIP			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	LTC			$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP			$0.00000												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
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Notes:
1. RY4 Current Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3A/R&E Large General Time of Use- Primary

0.00%	Bills	0	0	0	0	0	0	0	0	0	0	0	0	
5.70%	KWH	12,374,818	12,571,678	12,240,441	11,828,347	11,758,430	11,818,057	11,743,120	11,652,681	11,456,515	11,385,793	11,372,451	11,750,268	141,952,598
0.1639%	KW	20,277	20,599	20,057	19,381	19,267	19,364	19,242	19,093	18,772	18,656	18,634	19,253	232,596
0.0000	RKVA	0	0	0	0	0	0	0	0	0	0	0	0	

Line #				2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates		$220,586	$224,095	$218,190	$210,845	$209,598	$210,661	$209,326	$207,713	$204,217	$202,956	$202,718	$209,453	$2,530,359
2	Revenue Breakdown By Charge:	2021														
3	Customer Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	T&D Demand Charge	$10.77	100.00%	$218,380	$221,854	$216,009	$208,736	$207,502	$208,555	$207,232	$205,636	$202,175	$200,926	$200,691	$207,358	$2,505,055
5	*Transmission*	$3.37	100.00%	$68,332	$69,419	$67,590	$65,315	$64,929	$65,258	$64,844	$64,345	$63,262	$62,871	$62,797	$64,884	$783,847
6	*Distribution*	$7.40	100.00%	$150,047	$152,434	$148,418	$143,421	$142,574	$143,297	$142,388	$141,291	$138,913	$138,055	$137,894	$142,475	$1,721,208
7	T&D Demand Charge	$10.77		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*	$3.37		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*	$7.40		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	Capacity Charge	$0.00		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
12	GRT Commodity	1.01010%		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	GRT Delivery	1.01010%		$2,206	$2,241	$2,182	$2,108	$2,096	$2,107	$2,093	$2,077	$2,042	$2,030	$2,027	$2,095	$25,304
14	RKVA			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	SBC/RPS/ETIP			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

SBC/RPS/ETIP $0.00000

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
Line 11: # of kWh * rate
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Notes:
1. RY4 Current Rates
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3A Large General Time of Use- Subtransmission

	34.38% Bills	62	62	62	62	62	62	62	62	62	62	62	62	
	21.72% KWH	108,034,807	109,318,084	106,226,803	100,379,522	98,857,315	102,496,812	103,095,692	101,051,249	99,194,540	98,187,028	95,427,559	101,337,856	1,223,607,268
	0.1970% KW	212,781	215,308	209,220	197,703	194,705	201,873	203,053	199,026	195,369	193,385	187,950	199,591	2,409,963
	0.2521 RKVA	53,648	54,286	52,751	49,847	49,091	50,898	51,196	50,180	49,258	48,758	47,388	50,323	607,624
	8.7495% FS KWH	5,704,264	5,772,021	5,608,801	5,300,063	5,219,690	5,411,856	5,443,477	5,335,530	5,237,496	5,184,299	5,038,598	5,350,663	64,606,760
Line #			2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates	$1,962,201	$1,944,212	$1,863,441	$1,876,330	$1,910,952	$1,970,419	$1,932,586	$1,874,280	$1,920,521	$1,945,483	$1,904,347	$1,917,834	$23,022,607
2	Revenue Breakdown By Charge	2021													
3	Customer Charge	$2,432.00	$150,705	$150,614	$150,536	$150,468	$150,409	$150,359	$150,315	$150,275	$150,238	$150,204	$150,171	$150,139	$1,804,432
4	T&D Demand Charge	$3.76	$800,055	$809,558	$786,666	$743,364	$732,091	$759,043	$763,478	$748,338	$734,588	$727,127	$706,692	$750,461	$9,061,462
5	*Transmission*	$3.24	$689,409	$697,598	$677,872	$640,558	$630,844	$654,069	$657,891	$644,845	$632,996	$626,567	$608,958	$646,674	$7,808,281
6	*Distribution*	$0.52	$110,646	$111,960	$108,794	$102,806	$101,247	$104,974	$105,587	$103,494	$101,592	$100,560	$97,734	$103,787	$1,253,181
7	T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge		$177,808	$174,381	$151,063	$137,719	$128,916	$155,877	$194,733	$181,638	$141,944	$112,072	$132,243	$146,521	$1,834,915
11	LTC		$168,109	$136,683	$121,625	$226,084	$289,643	$272,738	$188,177	$171,024	$281,653	$349,965	$325,854	$245,821	$2,777,375
12	GRT Commodity	1.01010%	$1,823	$1,788	$1,550	$1,414	$1,324	$1,599	$1,994	$1,861	$1,457	$1,152	$1,357	$1,503	$18,822
13	GRT Delivery	1.01010%	$17,799	$17,654	$17,084	$17,350	$17,786	$18,105	$17,332	$16,882	$17,749	$18,302	$17,686	$17,675	$211,404
14	SBC/RPS/ETIP		$588,553	$595,544	$578,704	$546,849	$538,556	$558,383	$561,646	$550,508	$540,393	$534,904	$519,871	$552,070	$6,665,981
15	RKVA	$1.02	$54,721	$55,371	$53,806	$50,844	$50,073	$51,916	$52,220	$51,184	$50,244	$49,733	$48,336	$51,329	$619,777
16	MFC		$2,627	$2,618	$2,408	$2,239	$2,155	$2,398	$2,692	$2,570	$2,255	$2,023	$2,138	$2,315	$28,440
	Commodity Prices		$0.03117	$0.03021	$0.02693	$0.02598	$0.02470	$0.02880	$0.03577	$0.03404	$0.02710	$0.02162	$0.02625	$0.02738	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
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Line 12: Sum of (Lines 10+16) * rate
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Notes:
1. RY4 Current Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3A/SC4 Large General Time of Use- Subtransmission

6.02%	Bills	6	6	6	6	6	6	6	6	6	6	6	6	
12.42%	KWH	6,440,992	6,542,881	6,370,211	6,152,750	6,115,154	6,150,308	6,112,958	6,064,229	5,961,936	5,924,610	5,914,176	6,114,275	73,864,481
0.1925%	KW	12,400	12,597	12,264	11,846	11,773	11,841	11,769	11,675	11,478	11,406	11,386	11,771	142,207
0.2521	RKVA	3,127	3,176	3,092	2,987	2,968	2,985	2,967	2,944	2,894	2,876	2,871	2,968	35,855
0.0000%	FS KWH	0	0	0	0	0	0	0	0	0	0	0	0	0

Line #			2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates	$110,868	$110,349	$107,140	$110,861	$114,447	$113,336	$107,566	$106,003	$111,362	$115,085	$114,004	$111,241	$1,332,261
2	Revenue Breakdown By Charge:	2021													
3	Customer Charge	$2,432.00	$14,833	$14,818	$14,803	$14,790	$14,777	$14,764	$14,753	$14,741	$14,730	$14,720	$14,709	$14,699	$177,137
4	T&D Demand Charge	$3.76	$46,626	$47,363	$46,113	$44,539	$44,267	$44,522	$44,251	$43,898	$43,158	$42,888	$42,812	$44,261	$534,699
5	*Transmission*	$3.24	$40,178	$40,813	$39,736	$38,380	$38,145	$38,364	$38,131	$37,827	$37,189	$36,957	$36,891	$38,140	$460,752
6	*Distribution*	$0.52	$6,448	$6,550	$6,377	$6,160	$6,122	$6,157	$6,120	$6,071	$5,969	$5,931	$5,921	$6,121	$73,948
7	T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	LTC		$10,023	$8,181	$7,294	$13,858	$17,917	$16,366	$11,158	$10,263	$16,928	$21,117	$20,195	$14,832	$168,130
12	GRT Commodity	1.01010%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	GRT Delivery	1.01010%	$1,109	$1,103	$1,071	$1,109	$1,144	$1,133	$1,076	$1,060	$1,114	$1,151	$1,140	$1,112	$13,323
14	SBC/RPS/ETIP		$35,089	$35,644	$34,704	$33,519	$33,314	$33,506	$33,302	$33,037	$32,480	$32,276	$32,219	$33,309	$402,400
15	RKVA	$1.02	$3,189	$3,240	$3,154	$3,046	$3,028	$3,045	$3,027	$3,003	$2,952	$2,933	$2,928	$3,027	$36,572
16	MFC		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Commodity Prices		$0.03117	$0.03021	$0.02693	$0.02598	$0.02470	$0.02880	$0.03577	$0.03404	$0.02710	$0.02162	$0.02625	$0.02738	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
Line 11: # of kWh * rate
Line 12: Sum of (Lines 10+16) * rate
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Notes:
1. RY4 Current Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3A/SC7 Large General Time of Use- Subtransmission

5.73%	Bills	2	2	2	2	2	2	2	2	2	2	2	2	
35.17%	KWH	5,319,052	5,358,102	5,194,846	4,782,264	4,656,778	5,008,846	5,107,789	4,937,575	4,838,171	4,766,944	4,484,586	4,920,349	59,375,302
0.4366%	KW	23,224	23,394	22,681	20,880	20,332	21,869	22,301	21,558	21,124	20,813	19,580	21,483	
0.2521	RKVA	5,855	5,898	5,719	5,264	5,126	5,514	5,623	5,435	5,326	5,248	4,937	5,416	
0.0000%	FS KWH	0	0	0	0	0	0	0	0	0	0	0	0	

Line #		Rates	2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates	$136,722	$136,034	$131,484	$126,776	$126,765	$134,622	$132,875	$127,947	$131,076	$132,709	$124,460	$131,168	$1,572,639
2	Revenue Breakdown By Charge:	2021													
3	Customer Charge	$2,432.00	$4,808	$4,807	$4,807	$4,807	$4,807	$4,808	$4,809	$4,810	$4,812	$4,813	$4,814	$4,816	$57,716
4	T&D Demand Charge	$3.76	$87,320	$87,962	$85,281	$78,508	$76,448	$82,228	$83,852	$81,058	$79,426	$78,257	$73,621	$80,775	$974,738
5	*Transmission*	$3.24	$75,244	$75,797	$73,487	$67,651	$65,876	$70,856	$72,256	$69,848	$68,442	$67,434	$63,440	$69,604	$839,933
6	*Distribution*	$0.52	$12,076	$12,165	$11,794	$10,858	$10,573	$11,372	$11,597	$11,210	$10,984	$10,823	$10,182	$11,171	$134,804
7	T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	LTC		$8,277	$6,699	$5,948	$10,771	$13,644	$13,328	$9,323	$8,357	$13,737	$16,991	$15,313	$11,936	$134,324
12	GRT Commodity	1.01010%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	GRT Delivery	1.01010%	$1,367	$1,360	$1,315	$1,268	$1,268	$1,346	$1,329	$1,279	$1,311	$1,327	$1,245	$1,312	$15,726
14	SBC/RPS/ETIP		$28,977	$29,190	$28,301	$26,053	$25,369	$27,287	$27,826	$26,899	$26,357	$25,969	$24,431	$26,805	$323,465
15	RKVA	$1.02	$5,972	$6,016	$5,833	$5,370	$5,229	$5,624	$5,735	$5,544	$5,433	$5,353	$5,035	$5,525	$66,669
16	MFC		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	Commodity Prices		$0.03117	$0.03021	$0.02693	$0.02598	$0.02470	$0.02880	$0.03577	$0.03404	$0.02710	$0.02162	$0.02625	$0.02738	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
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Notes:
1. RY4 Current Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3A/RNY Large General Time of Use- Subtransmission

0.00%	Bills	0	0	0	0	0	0	0	0	0	0	0	0	
13.06%	KWH	12,820,093	13,024,036	12,680,881	12,253,959	12,181,526	12,243,298	12,165,665	12,071,972	11,868,748	11,795,480	11,781,659	12,173,070	147,060,388
0.2008%	KW	25,747	26,157	25,467	24,610	24,464	24,589	24,433	24,244	23,836	23,689	23,661	24,448	295,345
0.0000	RKVA	0	0	0	0	0	0	0	0	0	0	0	0	

Line #		Rates		2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:			$117,735	$115,626	$111,244	$121,068	$128,606	$125,966	$115,000	$112,511	$124,230	$132,013	$130,096	$122,380	$1,456,475
2	Revenue Breakdown By Charge:	2021														
3	Customer Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	T&D Demand Charge-New Allocations	$3.76	100.00%	$96,808	$98,349	$95,757	$92,533	$91,986	$92,453	$91,867	$91,159	$89,625	$89,071	$88,967	$91,923	$1,110,498
5	*Transmission*	$3.24	100.00%	$83,420	$84,747	$82,514	$79,736	$79,265	$79,667	$79,162	$78,552	$77,230	$76,753	$76,663	$79,210	$956,919
6	*Distribution*	$0.52	100.00%	$13,388	$13,601	$13,243	$12,797	$12,722	$12,786	$12,705	$12,607	$12,395	$12,318	$12,304	$12,713	$153,580
7	T&D Demand Charge-Existing Allocations	$2.99	0%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*	$1.89	0%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*	$1.10	0%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	LTC			$19,949	$16,284	$14,519	$27,600	$35,691	$32,579	$22,206	$20,431	$33,700	$42,042	$40,230	$29,529	$334,760
12	GRT Commodity	1.01010%		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	GRT Delivery	1.01010%		$978	$993	$967	$935	$929	$934	$928	$921	$905	$900	$899	$929	$11,217
14	RKVA			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	SBC/RPS/ETIP			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	LTC			$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP			$0.00000												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
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Notes:
1. RY4 Current Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3A/R&E Large General Time of Use- Subtransmission

0.00% Bills	0	0	0	0	0	0	0	0	0	0	0	0	
3.24% KWH	7,034,166	7,146,066	6,957,782	6,723,538	6,683,795	6,717,688	6,675,092	6,623,685	6,512,179	6,471,978	6,464,395	6,679,155	80,689,519
0.1861% KW	13,094	13,302	12,951	12,515	12,441	12,504	12,425	12,330	12,122	12,047	12,033	12,433	150,198
0.0000 RKVA	0	0	0	0	0	0	0	0	0	0	0	0	

Line #				2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates		$49,729	$50,520	$49,189	$47,533	$47,252	$47,492	$47,191	$46,827	$46,039	$45,755	$45,701	$47,219	$570,448
2	Revenue Breakdown By Charge:	2021														
3	Customer Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	T&D Demand Charge	$3.76	100.00%	$49,232	$50,015	$48,697	$47,058	$46,780	$47,017	$46,719	$46,359	$45,579	$45,297	$45,244	$46,747	$564,743
5	*Transmission*	$3.24	100.00%	$42,423	$43,098	$41,963	$40,550	$40,310	$40,515	$40,258	$39,948	$39,275	$39,033	$38,987	$40,282	$486,641
6	*Distribution*	$0.52	100.00%	$6,809	$6,917	$6,735	$6,508	$6,470	$6,502	$6,461	$6,411	$6,303	$6,265	$6,257	$6,465	$78,103
7	T&D Demand Charge	$3.76		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*	$3.24		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*	$0.52		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	Capacity Charge	$0.00		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
12	GRT Commodity	1.01010%		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	GRT Delivery	1.01010%		$497	$505	$492	$475	$473	$475	$472	$468	$460	$458	$457	$472	$5,704
14	RKVA			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	SBC/RPS/ETIP			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

SBC/RPS/ETIP $0.00000

Line 3: # of Bills * rate
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Notes:
1. RY4 Current Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3A Large General Time of Use- Transmission

	36.23% Bills	65	65	65	65	65	65	65	65	65	65	65	65	
	67.76% KWH	337,071,100	341,074,954	331,430,087	313,186,433	308,437,112	319,792,429	321,660,947	315,282,238	309,489,261	306,345,801	297,736,195	316,176,458	3,817,683,015
	0.1556% KW	524,390	530,619	515,614	487,232	479,844	497,509	500,416	490,493	481,480	476,590	463,196	491,884	5,939,269
	0.3747 RKVA	196,467	198,801	193,179	182,546	179,777	186,396	187,485	183,767	180,391	178,558	173,540	184,288	2,225,196
	88.4006% FS KWH	57,632,735	58,317,318	56,668,230	53,548,913	52,736,869	54,678,412	54,997,893	53,907,255	52,916,767	52,379,295	50,907,216	54,060,150	652,751,053

Line #			2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates	$6,687,978	$6,578,671	$6,115,638	$6,087,292	$6,193,043	$6,538,184	$6,875,643	$6,594,734	$6,311,307	$6,208,467	$6,189,594	$6,311,753	$76,692,303
2	Revenue Breakdown By Charge	2021													
3	Customer Charge	$5,020.00	$327,801	$327,603	$327,433	$327,286	$327,159	$327,049	$326,953	$326,866	$326,785	$326,711	$326,640	$326,569	$3,924,856
4	T&D Demand Charge	$3.39	$1,777,683	$1,798,799	$1,747,933	$1,651,717	$1,626,670	$1,686,557	$1,696,411	$1,662,771	$1,632,219	$1,615,641	$1,570,234	$1,667,487	$20,134,121
5	*Transmission*	$2.96	$1,549,573	$1,567,980	$1,523,641	$1,439,771	$1,417,938	$1,470,140	$1,478,730	$1,449,406	$1,422,775	$1,408,324	$1,368,744	$1,453,517	$17,550,539
6	*Distribution*	$0.44	$228,110	$230,819	$224,292	$211,946	$208,732	$216,417	$217,681	$213,364	$209,444	$207,317	$201,490	$213,970	$2,583,582
7	T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge		$1,926,909	$1,871,879	$1,572,358	$1,426,772	$1,387,510	$1,651,161	$2,223,740	$2,072,791	$1,516,991	$1,239,857	$1,393,111	$1,553,240	$19,836,318
11	LTC		$524,503	$426,455	$379,474	$705,388	$903,692	$850,950	$587,115	$533,599	$878,763	$1,091,898	$1,016,671	$766,968	$8,665,476
12	GRT Commodity	1.01010%	$19,742	$19,183	$16,132	$14,643	$14,242	$16,929	$22,756	$21,217	$15,559	$12,738	$14,294	$15,931	$203,366
13	GRT Delivery	1.01010%	$47,138	$46,603	$45,025	$46,230	$47,689	$48,453	$46,001	$44,730	$47,554	$49,346	$47,602	$47,186	$563,557
14	SBC/RPS/ETIP		$1,836,300	$1,858,112	$1,805,569	$1,706,181	$1,680,307	$1,742,169	$1,752,348	$1,717,598	$1,686,039	$1,668,914	$1,622,011	$1,722,470	$20,798,016
15	RKVA	$1.02	$200,396	$202,777	$197,043	$186,196	$183,373	$190,124	$191,235	$187,443	$183,998	$182,130	$177,011	$187,974	$2,269,700
16	MFC		$27,506	$27,259	$24,672	$22,879	$22,402	$24,793	$29,084	$27,720	$23,397	$21,232	$22,021	$23,929	$296,894
	Commodity Prices		$0.03343	$0.03210	$0.02775	$0.02664	$0.02631	$0.03020	$0.04043	$0.03845	$0.02867	$0.02367	$0.02737	$0.02873	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

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Notes:
1. RY4 Current Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3A/SC4 Large General Time of Use- Transmission

29.41% Bills		30	30	30	30	30	30	30	30	30	30	30	30	
63.50% KWH		32,943,869	33,465,003	32,581,846	31,469,590	31,277,300	31,457,101	31,266,069	31,016,831	30,493,631	30,302,720	30,249,353	31,272,805	377,796,118
0.2170% KW		71,496	72,627	70,711	68,297	67,879	68,270	67,855	67,314	66,179	65,764	65,648	67,870	819,910
0.3747 RKVA		26,787	27,210	26,492	25,588	25,432	25,578	25,422	25,220	24,794	24,639	24,596	25,428	307,186
87.0053% FS KWH		21,982,860	22,330,603	21,741,288	20,999,099	20,870,788	20,990,766	20,863,294	20,696,982	20,347,859	20,220,468	20,184,857	20,867,788	252,096,654
Line #		2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1 Total Revenue:	Rates	$1,409,681	$1,388,740	$1,256,198	$1,229,970	$1,237,554	$1,318,167	$1,501,856	$1,445,063	$1,255,871	$1,168,218	$1,237,638	$1,272,100	$15,721,057
2 Revenue Breakdown By Charge:	2021													
3 Customer Charge	$5,020.00	$149,682	$149,530	$149,385	$149,248	$149,118	$148,994	$148,876	$148,762	$148,651	$148,543	$148,437	$148,333	$1,787,557
4 T&D Demand Charge	$3.39	$242,372	$246,206	$239,709	$231,526	$230,111	$231,434	$230,028	$228,195	$224,346	$222,941	$222,548	$230,078	$2,779,494
5 *Transmission*	$2.96	$211,271	$214,613	$208,950	$201,817	$200,584	$201,737	$200,512	$198,913	$195,558	$194,333	$193,991	$200,555	$2,422,833
6 *Distribution*	$0.44	$31,101	$31,593	$30,759	$29,709	$29,528	$29,697	$29,517	$29,282	$28,788	$28,607	$28,557	$29,523	$356,661
7 T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8 *Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9 *Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10 Commodity Energy Charge		$734,981	$716,771	$603,250	$559,506	$549,111	$633,872	$843,569	$795,821	$583,322	$478,633	$552,373	$599,567	$7,650,777
11 LTC		$51,263	$41,842	$37,305	$70,879	$91,640	$83,706	$57,069	$52,494	$86,584	$108,007	$103,292	$75,860	$859,939
12 GRT Commodity	1.01010%	$7,530	$7,346	$6,189	$5,742	$5,636	$6,499	$8,632	$8,146	$5,983	$4,917	$5,668	$6,150	$78,438
13 GRT Delivery	1.01010%	$6,567	$6,542	$6,373	$6,557	$6,739	$6,683	$6,386	$6,305	$6,576	$6,765	$6,709	$6,571	$78,772
14 SBC/RPS/ETIP		$179,472	$182,311	$177,500	$171,440	$170,393	$171,372	$170,332	$168,974	$166,124	$165,083	$164,793	$170,368	$2,058,162
15 RKVA	$1.02	$27,322	$27,755	$27,022	$26,100	$25,940	$26,089	$25,931	$25,724	$25,290	$25,132	$25,088	$25,936	$313,330
16 MFC		$10,492	$10,438	$9,466	$8,972	$8,866	$9,518	$11,033	$10,643	$8,997	$8,196	$8,731	$9,237	$114,588
Commodity Prices		$0.03343	$0.03210	$0.02775	$0.02664	$0.02631	$0.03020	$0.04043	$0.03845	$0.02867	$0.02367	$0.02737	$0.02873	
LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
Line 11: # of kWh * rate
Line 12: Sum of (Lines 10+16) * rate
Line 13: Sum of (Lines 3+4+11+14+15) * rate
Line 14: # of kWh * rate
Line 15: # of RKVA * rate
Line 16: Sum of (FS kWh * Current Rate) + (Line 10 * Current %)

Notes:
1. RY4 Current Rates
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3A/SC7 Large General Time of Use- Transmission

	11.46% Bills	4	4	4	4	4	4	4	4	4	4	4	4	
	9.32% KWH	1,409,767	1,420,117	1,376,847	1,267,496	1,234,237	1,327,549	1,353,773	1,308,660	1,282,313	1,263,436	1,188,599	1,304,094	15,736,887
	1.2239% KW	17,254	17,380	16,851	15,513	15,106	16,248	16,568	16,016	15,694	15,463	14,547	15,960	192,600
	0.3747 RKVA	6,464	6,512	6,313	5,812	5,659	6,087	6,208	6,001	5,880	5,793	5,450	5,980	72,159
	4.8875% FS KWH	178,603	179,914	174,432	160,578	156,365	168,187	171,509	165,793	162,456	160,064	150,583	165,215	1,993,698
Line #		2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1 Total Revenue:	Rates	$101,881	$101,795	$98,384	$93,400	$92,269	$98,037	$100,226	$97,049	$95,373	$94,381	$90,372	$96,135	$1,159,300
2 Revenue Breakdown By Charge:	2021													
3 Customer Charge	$5,020.00	$19,847	$19,844	$19,843	$19,843	$19,845	$19,849	$19,853	$19,858	$19,863	$19,869	$19,875	$19,880	$238,270
4 T&D Demand Charge	$3.39	$58,490	$58,920	$57,124	$52,588	$51,208	$55,079	$56,167	$54,295	$53,202	$52,419	$49,314	$54,106	$652,913
5 *Transmission*	$2.96	$50,985	$51,359	$49,794	$45,840	$44,637	$48,011	$48,960	$47,328	$46,376	$45,693	$42,986	$47,163	$569,132
6 *Distribution*	$0.44	$7,505	$7,560	$7,330	$6,748	$6,571	$7,068	$7,207	$6,967	$6,827	$6,726	$6,328	$6,943	$83,781
7 T&D Energy Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8 *Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9 *Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10 Commodity Energy Charge		$5,971	$5,775	$4,840	$4,278	$4,114	$5,079	$6,935	$6,375	$4,657	$3,789	$4,121	$4,747	$60,681
11 LTC		$2,194	$1,776	$1,576	$2,855	$3,616	$3,533	$2,471	$2,215	$3,641	$4,503	$4,059	$3,163	$35,601
12 GRT Commodity	1.01010%	$61	$59	$50	$44	$42	$52	$71	$65	$48	$39	$42	$49	$622
13 GRT Delivery	1.01010%	$958	$959	$934	$890	$880	$928	$931	$905	$906	$905	$861	$913	$10,971
14 SBC/RPS/ETIP		$7,680	$7,737	$7,501	$6,905	$6,724	$7,232	$7,375	$7,129	$6,986	$6,883	$6,475	$7,104	$85,732
15 RKVA	$1.02	$6,594	$6,642	$6,440	$5,928	$5,773	$6,209	$6,332	$6,121	$5,997	$5,909	$5,559	$6,099	$73,602
16 MFC		$85	$84	$76	$69	$66	$76	$91	$85	$72	$65	$65	$73	$908
Commodity Prices		$0.03343	$0.03210	$0.02775	$0.02664	$0.02631	$0.03020	$0.04043	$0.03845	$0.02867	$0.02367	$0.02737	$0.02873	
LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
SBC/RPS/ETIP		$0.00545												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
Line 11: # of kWh * rate
Line 12: Sum of (Lines 10+16) * rate
Line 13: Sum of (Lines 3+4+11+14+15) * rate
Line 14: # of kWh * rate
Line 15: # of RKVA * rate
Line 16: Sum of (FS kWh * Current Rate) + (Line 10 * Current %)

Notes:
1. RY4 Current Rates
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3A/RNY Large General Time of Use- Transmission

0.00%	Bills	0	0	0	0	0	0	0	0	0	0	0	0	
55.49%	KWH	54,466,412	55,332,869	53,874,965	52,061,182	51,753,450	52,015,889	51,686,061	51,288,007	50,424,604	50,113,326	50,054,606	51,717,523	624,788,894
0.1954%	KW	106,424	108,117	105,268	101,724	101,123	101,636	100,991	100,214	98,527	97,918	97,804	101,053	1,220,800
0.0000	RKVA	0	0	0	0	0	0	0	0	0	0	0	0	

Line #		Rates		2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates		$449,175	$439,403	$422,149	$465,586	$497,903	$486,438	$440,160	$429,958	$480,555	$513,914	$505,824	$471,484	$5,602,549
2	Revenue Breakdown By Charge:	2021														
3	Customer Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	T&D Demand Charge - New Allocations	$3.39	100.00%	$360,778	$366,517	$356,860	$344,846	$342,807	$344,546	$342,361	$339,724	$334,005	$331,944	$331,555	$342,569	$4,138,513
5	*Transmission*	$2.96	100.00%	$314,483	$319,486	$311,068	$300,596	$298,819	$300,334	$298,430	$296,131	$291,146	$289,349	$289,010	$298,611	$3,607,464
6	*Distribution*	$0.44	100.00%	$46,294	$47,031	$45,792	$44,250	$43,989	$44,212	$43,931	$43,593	$42,859	$42,595	$42,545	$43,958	$531,048
7	T&D Demand Charge - Existing Allocations	$1.89	0%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*	$1.89	0%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*	$0.00	0%	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	LTC			$84,753	$69,184	$61,685	$117,257	$151,633	$138,411	$94,341	$86,802	$143,176	$178,617	$170,920	$125,454	$1,422,233
12	GRT Commodity	1.01010%		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	GRT Delivery	1.01010%		$3,644	$3,702	$3,605	$3,483	$3,463	$3,480	$3,458	$3,432	$3,374	$3,353	$3,349	$3,460	$41,803
14	RKVA			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	SBC/RPS/ETIP			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	LTC			$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP			$0.00000												

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
Line 11: # of kWh * rate
Line 12: Sum of (Lines 10+16) * rate
Line 13: Sum of (Lines 3+4+11+14+15) * rate
Line 14: # of kWh * rate
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Line 16: Sum of (FS kWh * Current Rate) + (Line 10 * Current %)

Notes:
1. RY4 Current Rates
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3A/R&E Large General Time of Use- Transmission

0.00%	Bills	0	0	0	0	0	0	0	0	0	0	0	0	
83.31%	KWH	180,753,744	183,629,192	178,790,952	172,771,680	171,750,431	172,621,369	171,526,794	170,205,800	167,340,486	166,307,470	166,112,601	171,631,203	2,073,441,723
0.1739%	KW	314,325	319,325	310,912	300,444	298,668	300,183	298,279	295,982	291,000	289,203	288,864	298,461	3,605,647
0.0000	RKVA	0	0	0	0	0	0	0	0	0	0	0	0	

Line #				2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates		$1,076,324	$1,093,447	$1,064,637	$1,028,794	$1,022,713	$1,027,899	$1,021,381	$1,013,515	$996,453	$990,302	$989,142	$1,022,003	$12,346,609
2	Revenue Breakdown By Charge:	2021														
3	Customer Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	T&D Demand Charge	$3.39	100.00%	$1,065,561	$1,082,512	$1,053,990	$1,018,506	$1,012,486	$1,017,620	$1,011,167	$1,003,380	$986,489	$980,399	$979,250	$1,011,783	$12,223,143
5	*Transmission*	$2.96	100.00%	$928,830	$943,606	$918,744	$887,813	$882,565	$887,040	$881,416	$874,628	$859,904	$854,595	$853,594	$881,952	$10,654,686
6	*Distribution*	$0.44	100.00%	$136,731	$138,906	$135,247	$130,693	$129,921	$130,580	$129,752	$128,752	$126,585	$125,803	$125,656	$129,831	$1,568,456
7	T&D Demand Charge	$3.39		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*	$2.96		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*	$0.44		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	Capacity Charge	$0.00		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
12	GRT Commodity	1.01010%		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	GRT Delivery	1.01010%		$10,763	$10,934	$10,646	$10,288	$10,227	$10,279	$10,214	$10,135	$9,965	$9,903	$9,891	$10,220	$123,466
14	RKVA			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	SBC/RPS/ETIP			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

SBC/RPS/ETIP $0.00000

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
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Notes:
1. RY4 Current Rates
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3A/Fitzpatrick Large General Time of Use- Transmission

0.00%	Bills	9	9	9	8	8	8	8	8	8	8	8	8	
100.00%	KWH	8,883,598	9,024,919	8,787,132	8,491,299	8,441,107	8,483,912	8,430,116	8,365,193	8,224,370	8,173,599	8,164,022	8,435,248	101,904,515
0.1634%	KW	14,518.2	14,749.2	14,360.6	13,877.1	13,795.1	13,865.0	13,777.1	13,671.0	13,440.8	13,357.9	13,342.2	13,785.5	166,540
0.0000	RKVA	0	0	0	0	0	0	0	0	0	0	0	0	

Line #		Rates		2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:			$49,714	$50,505	$49,174	$47,519	$47,238	$47,477	$47,176	$46,813	$46,025	$45,741	$45,687	$47,205	$570,272
2	Revenue Breakdown By Charge:	2021														
3	Customer Charge	$ -		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	T&D Demand Charge	$3.39	100.00%	$49,217	$50,000	$48,682	$47,043	$46,765	$47,002	$46,704	$46,345	$45,564	$45,283	$45,230	$46,733	$564,569
5	*Transmission*	$2.96	100.00%	$42,901	$43,584	$42,435	$41,007	$40,764	$40,971	$40,711	$40,398	$39,718	$39,473	$39,426	$40,736	$492,125
6	*Distribution*	$0.44	100.00%	$6,315	$6,416	$6,247	$6,037	$6,001	$6,031	$5,993	$5,947	$5,847	$5,811	$5,804	$5,997	$72,445
7	T&D Demand Charge	$3.39		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	*Transmission*	$2.96		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	*Distribution*	$0.44		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Commodity Energy Charge			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
11	GRT Commodity	1.01010%		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
12	GRT Delivery	1.01010%		$497	$505	$492	$475	$472	$475	$472	$468	$460	$457	$457	$472	$5,703
13	RKVA			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
14	SBC/RPS/ETIP			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	MFC			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

SBC/RPS/ETIP $0.00000

Line 3: # of Bills * rate
Line 4-6: # of kW * rate
Line 10: # of FS kWh * rate
Line 10: # of kWh * rate
Line 11: Sum of (Lines 10+16) * rate
Line 12: Sum of (Lines 3+4+11+14+15) * rate
Line 13: # of kWh * rate
Line 14: # of RKVA * rate
Line 15: Sum of (FS kWh * Current Rate) + (Line 10 * Current %)

Notes:
1. RY4 Current Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC1 Private Outdoor Lighting

		Bills	6,565	6,558	6,554	6,544	6,539	6,542	6,603	6,597	6,600	6,588	6,578	6,580	
		KWH	1,638,137	1,638,137	1,638,137	1,638,137	1,638,137	1,638,137	1,638,137	1,638,137	1,638,137	1,638,137	1,638,137	1,638,137	19,657,644
		FS KWH	683,448	683,448	683,448	683,448	683,448	683,448	683,448	683,448	683,448	683,448	683,448	683,448	
															$47,703,798
Line #			2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates	$314,931	$313,559	$310,814	$312,793	$316,254	$318,507	$325,738	$323,971	$317,460	$314,695	$314,376	$313,015	$3,796,113
2	Revenue Breakdown By Charge	2021													
3	Fixed Charges		$135,988	$135,988	$135,988	$135,988	$135,988	$135,988	$135,988	$135,988	$135,988	$135,988	$135,988	$135,988	$1,631,856
4	T&D Demand Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
5	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
6	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
7	T&D Distribution Delivery Charge	$0.08834	$144,713	$144,713	$144,713	$144,713	$144,713	$144,713	$144,713	$144,713	$144,713	$144,713	$144,713	$144,713	$1,736,556
8	*Transmission*	$0.00052	$852	$852	$852	$852	$852	$852	$852	$852	$852	$852	$852	$852	$10,222
9	*Distribution*	$0.08782	$143,861	$143,861	$143,861	$143,861	$143,861	$143,861	$143,861	$143,861	$143,861	$143,861	$143,861	$143,861	$1,726,334
10	Commodity Energy Charge		$19,315	$18,464	$15,936	$16,080	$18,381	$21,033	$29,502	$27,981	$19,713	$15,816	$15,746	$16,017	$233,983
11	LTC		$2,549	$2,048	$1,876	$3,690	$4,800	$4,359	$2,990	$2,772	$4,651	$5,839	$5,594	$3,974	$45,141
12	GRT Commodity	1.01010%	$198	$189	$164	$165	$189	$216	$302	$286	$202	$162	$162	$165	$2,399
13	GRT Delivery	1.01010%	$2,951	$2,946	$2,944	$2,963	$2,974	$2,970	$2,956	$2,954	$2,972	$2,984	$2,982	$2,966	$35,562
14	SBC/RPS/ETIP		$8,924	$8,924	$8,924	$8,924	$8,924	$8,924	$8,924	$8,924	$8,924	$8,924	$8,924	$8,924	$107,091
15	RKVA		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC		$292	$286	$269	$270	$286	$304	$363	$353	$295	$268	$268	$269	$3,524
	Commodity		$0.02826	$0.02702	$0.02332	$0.02353	$0.02689	$0.03077	$0.04317	$0.04094	$0.02884	$0.02314	$0.02304	$0.02344	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: Monthly Facility Charges
Line 7-9: # of kW * rate
Line 10: # of FS kWh * rate
Line 11: # of kWh * rate
Line 12: Sum of (Lines 10+16) * rate
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Notes:
1. RY4 Current Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC2/5 Private Outdoor Lighting

		Bills	1,536	1,544	1,542	1,541	1,540	1,541	1,540	1,542	1,542	1,531	1,546	1,549	
		KWH	7,958,826	7,175,990	6,419,249	6,888,951	7,854,448	8,715,566	10,255,142	10,985,789	11,925,191	11,585,962	9,602,780	9,446,213	108,814,107
		FS KWH	3,320,506	2,993,899	2,678,179	2,874,143	3,276,958	3,636,226	4,278,554	4,583,387	4,975,316	4,833,786	4,006,381	3,941,060	45,398,394
Line #			2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates	$3,104,181	$3,013,316	$2,921,164	$2,979,219	$3,099,211	$3,205,235	$3,420,751	$3,492,922	$3,552,532	$3,495,686	$3,279,131	$3,254,364	$38,817,713
2	Revenue Breakdown By Charge	2021													
3	Fixed Charges		$2,219,054	$2,219,054	$2,219,054	$2,219,054	$2,219,054	$2,219,054	$2,219,054	$2,219,054	$2,219,054	$2,219,054	$2,219,054	$2,219,054	$26,628,643
4	T&D Demand Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
5	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
6	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
7	T&D Distribution Delivery Charge	$0.08834	$703,083	$633,927	$567,076	$608,570	$693,862	$769,933	$905,939	$970,485	$1,053,471	$1,023,504	$848,310	$834,478	$9,612,638
8	*Transmission*	$0.00052	$4,139	$3,732	$3,338	$3,582	$4,084	$4,532	$5,333	$5,713	$6,201	$6,025	$4,993	$4,912	$56,583
9	*Distribution*	$0.08782	$698,944	$630,195	$563,738	$604,988	$689,778	$765,401	$900,607	$964,772	$1,047,270	$1,017,479	$843,316	$829,566	$9,556,055
10	Commodity Energy Charge		$93,840	$80,882	$62,448	$67,623	$88,131	$111,904	$184,689	$187,648	$143,506	$111,862	$92,304	$92,359	$1,317,196
11	LTC		$12,384	$8,972	$7,350	$15,516	$23,013	$23,192	$18,718	$18,593	$33,860	$41,295	$32,790	$22,914	$258,598
12	GRT Commodity	1.01010%	$962	$830	$641	$695	$904	$1,147	$1,889	$1,919	$1,471	$1,149	$948	$949	$13,504
13	GRT Delivery	1.01010%	$30,080	$29,303	$28,570	$29,098	$30,088	$30,906	$32,319	$33,010	$34,054	$33,808	$31,843	$31,595	$374,673
14	SBC/RPS/ETIP		$43,358	$39,093	$34,971	$37,530	$42,790	$47,481	$55,868	$59,849	$64,966	$63,118	$52,314	$51,461	$592,799
15	RKVA														$0
16	MFC		$1,421	$1,255	$1,054	$1,135	$1,371	$1,619	$2,275	$2,366	$2,149	$1,896	$1,568	$1,554	$19,662
	Commodity		$0.02826	$0.02702	$0.02332	$0.02353	$0.02689	$0.03077	$0.04317	$0.04094	$0.02884	$0.02314	$0.02304	$0.02344	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: Monthly Facility Charges
Line 7-9: # of kW * rate
Line 10: # of FS kWh * rate

Line 11: # of kWh * rate
Line 12: Sum of (Lines 10+16) * rate
Line 13: Sum of (Lines 3+7+11+14) * rate
Line 14: # of kWh * rate
Line 16: Sum of (FS kWh * Current Rate) + (Line 10 * Current %)

Notes:
1. RY4 Current Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC3/6 Private Outdoor Lighting

		Bills	255	251	250	252	252	252	254	253	255	247	252	250	
		KWH	3,607,482	3,252,648	2,909,641	3,122,542	3,560,171	3,950,488	4,648,329	4,979,508	5,405,309	5,251,548	4,352,634	4,281,667	49,321,967
		FS KWH	1,505,080	1,357,039	1,213,933	1,302,757	1,485,341	1,648,185	1,939,332	2,077,503	2,255,152	2,191,001	1,815,965	1,786,357	20,577,645
Line #			2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates	$291,238	$259,976	$227,800	$248,160	$290,308	$327,448	$405,616	$429,066	$444,176	$422,710	$349,695	$340,454	$4,036,648
2	Revenue Breakdown By Charge:	2021													
3	Fixed Charges		$1,087	$1,087	$1,087	$1,087	$1,087	$1,087	$1,087	$1,087	$1,087	$1,087	$1,087	$1,087	$13,038
4	T&D Demand Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
5	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
6	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
7	T&D Distribution Delivery Charge	$0.06065	$218,794	$197,273	$176,470	$189,382	$215,924	$239,597	$281,921	$302,007	$327,832	$318,506	$263,987	$259,683	$2,991,377
8	*Transmission*	$0.00052	$1,876	$1,691	$1,513	$1,624	$1,851	$2,054	$2,417	$2,589	$2,811	$2,731	$2,263	$2,226	$25,647
9	*Distribution*	$0.06013	$216,918	$195,582	$174,957	$187,758	$214,073	$237,543	$279,504	$299,418	$325,021	$315,776	$261,724	$257,457	$2,965,730
10	Commodity Energy Charge		$42,535	$36,661	$28,306	$30,651	$39,947	$50,723	$83,714	$85,055	$65,047	$50,704	$41,838	$41,863	$597,043
11	LTC		$5,613	$4,067	$3,331	$7,033	$10,431	$10,512	$8,484	$8,428	$15,348	$18,718	$14,863	$10,386	$117,214
12	GRT Commodity	1.01010%	$436	$376	$291	$315	$410	$520	$856	$870	$667	$521	$430	$430	$6,121
13	GRT Delivery	1.01010%	$2,476	$2,224	$1,987	$2,167	$2,493	$2,755	$3,200	$3,421	$3,775	$3,706	$3,067	$2,975	$34,246
14	SBC/RPS/ETIP		$19,653	$17,720	$15,851	$17,011	$19,395	$21,522	$25,323	$27,127	$29,447	$28,609	$23,712	$23,326	$268,697
15	RKVA		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC		$644	$569	$478	$514	$621	$734	$1,031	$1,072	$974	$859	$711	$704	$8,912
	Commodity		$0.02826	$0.02702	$0.02332	$0.02353	$0.02689	$0.03077	$0.04317	$0.04094	$0.02884	$0.02314	$0.02304	$0.02344	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: Monthly Facility Charges
Line 7-9: # of kW * rate
Line 10: # of FS kWh * rate
Line 11: # of kWh * rate
Line 12: Sum of (Lines 10+16) * rate
Line 13: Sum of (Lines 3+7+11+14) * rate
Line 14: # of kWh * rate
Line 16: Sum of (FS kWh * Current Rate) + (Line 10 * Current %)

Notes:
1. RY4 Current Rates
2. Sales Forecast - See Page 1 and 2

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast Revenues for Rate Ending June 30, 2022
SC4 Private Outdoor Lighting

		Bills	2,570	2,589	2,588	2,590	2,585	2,579	2,613	2,610	2,607	2,588	2,587	2,596	
		KWH	629,612	650,599	629,612	650,599	650,599	629,612	650,599	629,612	650,599	650,599	587,638	650,599	7,660,284
		FS KWH	262,681	271,437	262,681	271,437	271,437	262,681	271,437	262,681	271,437	271,437	245,169	271,437	3,195,951
Line #			2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Nov	2021 Dec	2022 Jan	2022 Feb	2022 Mar	2022 Apr	2022 May	2022 Jun	Total
1	Total Revenue:	Rates	$87,836	$87,579	$85,804	$87,058	$87,436	$87,722	$91,330	$89,892	$88,056	$87,161	$85,810	$87,641	$1,053,325
2	Revenue Breakdown By Charge:	2021													
3	Fixed Charges		$66,074	$66,074	$66,074	$66,074	$66,074	$66,074	$66,074	$66,074	$66,074	$66,074	$66,074	$66,074	$792,888
4	T&D Demand Charge		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
5	*Transmission*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
6	*Distribution*		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
7	T&D Distribution Delivery Charge	$0.01103	$6,945	$7,176	$6,945	$7,176	$7,176	$6,945	$7,176	$6,945	$7,176	$7,176	$6,482	$7,176	$84,493
8	*Transmission*	$0.00052	$327	$338	$327	$338	$338	$327	$338	$327	$338	$338	$306	$338	$3,983
9	*Distribution*	$0.01051	$6,617	$6,838	$6,617	$6,838	$6,838	$6,617	$6,838	$6,617	$6,838	$6,838	$6,176	$6,838	$80,510
10	Commodity Energy Charge		$9,403	$8,970	$7,663	$7,811	$7,745	$8,600	$12,286	$11,339	$8,413	$7,064	$7,083	$8,271	$104,646
11	LTC		$980	$813	$721	$1,465	$1,906	$1,675	$1,188	$1,066	$1,847	$2,319	$2,007	$1,578	$17,565
12	GRT Commodity	1.01010%	$96	$92	$79	$80	$79	$88	$126	$116	$86	$72	$73	$85	$1,072
13	GRT Delivery	1.01010%	$782	$784	$779	$791	$795	$789	$788	$783	$794	$799	$785	$792	$9,461
14	SBC/RPS/ETIP		$3,430	$3,544	$3,430	$3,544	$3,544	$3,430	$3,544	$3,430	$3,544	$3,544	$3,201	$3,544	$41,732
15	RKVA		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	MFC		$126	$125	$114	$117	$117	$121	$148	$140	$121	$112	$106	$120	$1,467
	Commodity		$0.03580	$0.03305	$0.02917	$0.02878	$0.02853	$0.03274	$0.04526	$0.04317	$0.03099	$0.02603	$0.02889	$0.03047	
	LTC		$0.00156	$0.00125	$0.00114	$0.00225	$0.00293	$0.00266	$0.00183	$0.00169	$0.00284	$0.00356	$0.00341	$0.00243	
	SBC/RPS/ETIP		$0.00545												

Line 3: Monthly Facility Charges
Line 7-9: # of kW * rate
Line 10: # of FS kWh * rate
Line 11: # of kWh * rate
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Notes:
1. RY4 Current Rates
2. Sales Forecast - See Page 1 and 2

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Electric Rate Design Panel

Exhibit __ (E-RDP-14CU)

Supporting Workpapers for Exhibits

Schedule 1

E-RDP-7CU

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Electric POR Supply Revenue
For 36 months ended 12/31/19

Service Class	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Grand Total
SC1	$ 48,470,301	$ 40,355,917	$ 38,685,514	$ 31,725,114	$ 29,546,151	$ 32,129,695	$ 40,255,758	$ 45,296,117	$ 35,911,520	$ 33,022,626	$ 28,963,838	$ 38,128,324	$ 442,490,875
SC1C	$ 2,448,769	$ 2,119,613	$ 2,005,535	$ 1,746,827	$ 1,699,843	$ 1,885,760	$ 2,185,270	$ 2,472,197	$ 2,090,910	$ 1,927,184	$ 1,593,998	$ 1,908,735	$ 24,084,639
SC1L	$ 3,300,400	$ 2,964,150	$ 2,815,756	$ 2,355,769	$ 2,211,866	$ 2,307,628	$ 2,658,054	$ 3,031,901	$ 2,434,636	$ 2,401,640	$ 2,101,244	$ 2,680,465	$ 31,263,511
SC2	$ 19,634,589	$ 17,056,879	$ 16,535,065	$ 14,777,747	$ 15,092,589	$ 17,075,167	$ 19,812,013	$ 22,064,434	$ 18,337,735	$ 17,423,702	$ 13,749,666	$ 15,991,171	$ 207,550,758
SC2D	$ 12,345,668	$ 9,793,166	$ 10,013,535	$ 9,215,378	$ 9,558,622	$ 11,811,070	$ 12,520,412	$ 13,552,487	$ 11,556,784	$ 11,819,876	$ 9,555,773	$ 10,452,726	$ 132,195,498
SC2L	$ 1,435,331	$ 2,080,184	$ 1,670,765	$ 1,225,145	$ 1,932,441	$ 1,479,315	$ 1,779,522	$ 1,843,989	$ 2,017,352	$ 2,092,671	$ 1,587,322	$ 2,337,620	$ 21,481,657
SC3	$ 62,744	$ 54,184	$ 55,956	$ 52,876	$ 55,076	$ 54,405	$ 54,405	$ 59,827	$ 52,916	$ 59,372	$ 50,175	$ 53,853	$ 665,789
SC3A	$ 471,457	$ 373,993	$ 347,607	$ 294,273	$ 276,614	$ 228,218	$ 249,220	$ 276,399	$ 298,403	$ 343,395	$ 393,319	$ 405,701	$ 3,958,598
SC3L	$ 27,142	$ 21,305	$ 19,793	$ 18,108	$ 15,904	$ 13,817	$ 14,029	$ 15,981	$ 18,162	$ 17,267	$ 20,392	$ 21,503	$ 223,403
SC4L	$ 18,768	$ 16,033	$ 16,981	$ 17,303	$ 17,700	$ 17,390	$ 16,727	$ 17,245	$ 16,564	$ 15,886	$ 15,842	$ 15,055	$ 201,493
SC5L	$ 66	$ 54	$ 51	$ 15	$ 42	$ 21	$ 65	$ 27	$ 31	$ 33	$ 40	$ 134	$ 582
SC6L	$ 1,086	$ 901	$ 825	$ 533	$ 757	$ 500	$ 542	$ 625	$ 629	$ 917	$ 1,055	$ 1,135	$ 9,503
Grand Total	$ 88,215,235	$ 74,835,479	$ 72,166,560	$ 61,428,556	$ 60,406,848	$ 67,002,486	$ 79,545,473	$ 88,630,604	$ 72,735,013	$ 69,123,652	$ 58,031,609	$ 71,995,287	$ 864,126,306

Exhibit____(E-RDP-14CU)
Workpapers to Exhibit____(E-RDP-7CU)
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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
FY 2022 Rate Year - Forecast Revenue

		Non-Demand	Demand	Streetlighting	Total
Del	Distribution Delivery	$ 956,227,239	$ 328,361,324	$ 43,395,053	$ 1,327,983,616
Del	Tranmission Delivery	$ 123,129,549	$ 138,223,122	$ 96,436	$ 261,449,107
Del	SBC/RPS	$ 58,252,566	$ 95,901,732	$ 893,139	$ 155,047,437
Del	Queensbury	$ 134,086	$ 212,161	$ 1,107	$ 347,353
Del	MFC	$ 15,915,743	$ 1,795,112	$ 33,566	$ 17,744,421
Del	EZR Discounts	$ -	$ (1,700,000)	$ -	$ (1,700,000)
Del	EJP Discounts	$ -	$ (395,000)	$ -	$ (395,000)
Del	DLM Surcharge	$ 1,580,069	$ 1,861,673	$ (378)	$ 3,441,364
Del	Special L Revenue	$ -	$ 1,154,124	$ -	$ 1,154,124
Del	Consolidated Billing Credits	$ (2,347,957)	$ (144,279)	$ (21,631)	$ (2,513,867)
Del	Transformer Credit	$ -	$ (280,635)	$ -	$ (280,635)
Del	SC7 Discount	$ -	$ (77,598)	$ -	$ (77,598)
Comm	Commodity Revenue	$ 372,771,957	$ 125,639,132	$ 2,252,868	$ 500,663,957
Comm	NHA	$ 12,132,809	$ -	$ -	$ 12,132,809
Del	LTC	$ 27,075,348	$ 39,164,754	$ 438,519	$ 66,678,621
Del	NYPA Recon Credit	$ (8,956,862)	$ -	$ -	$ (8,956,862)
Del	GRT-Delivery	$ 4,048,688	$ 1,287,213	$ 23,095	$ 5,358,996
Comm	GRT-Commodity	$ 22,938,260	$ 5,972,553	$ 453,942	$ 29,364,755
Del	LPC Revenue	$ 9,687,461	$ 2,242,739	$ -	$ 11,930,200
Del	Remove SC11/12 - Delivery	$ -	$ (164,343)	$ -	$ (164,343)
Comm	Remove SC11/12 - Commodity	$ -	$ -	$ -	$ -
Del	Remove HLF	$ -	$ -	$ -	$ -
		$ 1,592,588,956	$ 739,053,784	$ 47,565,716	$ 2,379,208,455
					$ -
	Delivery	$ 1,203,635,502	$ 612,127,438	$ 45,289,752	$ 1,861,052,692
	Commodity	$ 388,953,454	$ 126,926,345	$ 2,275,963	$ 518,155,763
		$ 1,592,588,956	$ 739,053,784	$ 47,565,716	$ 2,379,208,455

Reconciliation to FY 2022 Revenue shown on Exhibit (E-RDP-2CU), Schedule 1, Page 2	$2,367,433,765
EZR Discounts	$1,700,000
EJP Discounts	$395,000
Special L Revenues	($1,154,124)
DLM Surcharge	($3,441,364)
Consolidated Billing Credits	$2,513,867
ESCO Comodity	$0
Transformer Credit	$280,635
SC7 Discount	$77,598
R&E Transmission Revenue	$0
LTC-SC11/12	($10,865)
SC11/12 Delivery	($164,343)
Queensbury Underground	($347,353)
LPC	$11,930,200
Adjusted FY 2022 Revenue	$2,379,213,016

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Pure Commodity by Service Class (excludes NYPA, LTC and NYPA Hydro Reconciliation)

	A Forecast FY 2022	B SC12 Customers	C Pure Commodity excluding SC12		
SC1	$ 363,423,614	$ -	$ 363,423,614		
SC1C	$ 5,742,601	$ -	$ 5,742,601		
SC2ND & BL	$ 15,738,552	$ -	$ 15,738,552	$ 384,904,766	Non-Demand
SC2D	$ 58,124,065	$ -	$ 58,124,065		
SC3 Sec	$ 25,031,304	$ -	$ 25,031,304		
SC3 Pri	$ 7,466,826	$ -	$ 7,466,826		
SC3 Sub	$ 2,832,710	$ -	$ 2,832,710		
SC3 Tran	$ 1,011,938	$ -	$ 1,011,938		
SC3A Sec	$ 27,883	$ -	$ 27,883		
SC3A Pri	$ 1,761,716	$ -	$ 1,761,716		
SC3A Sub	$ 1,834,915	$ -	$ 1,834,915		
SC3A Tran	$ 27,547,776	$ -	$ 27,547,776	$ 125,639,132	Demand
St Ltg	$ 2,252,868	$ -	$ 2,252,868	$ 2,252,868	Streetlighting
Total "Pure Commodity" Revenue	$ 512,796,766	$ -	$ 512,796,766	$ 512,796,766	

Reconciliation to Total Commodity Revenue

Total "Pure Commodity" Revenue	$ 512,796,766
NYPA Hydro Reconciliation	$ (8,956,862)
LTC	$ 66,689,486
Total Commodity per Exhibit_____(E-RDP-4CU), Schedule 2, Colum	$ 570,529,390

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast FY 2019 Full Service kWh Sales (excludes Retail Access, SC12, and NYPA)

	A	B	C
	kWh	SC12 Contract Full Service kWh	Full Service kWh Sales Excluding SC12 Customers
SC1	9,698,858,691	-	9,698,858,691
SC1C	148,089,833	-	148,089,833
SC2ND & BL	425,766,939	-	425,766,939
SC2D	1,661,051,315	-	1,661,051,315
SC3 Sec	733,634,152	-	733,634,152
SC3 Pri	220,804,912	-	220,804,912
SC3 Sub	86,453,944	-	86,453,944
SC3 Tran	34,411,195	-	34,411,195
SC3A Sec	939,856	-	939,856
SC3A Pri	56,141,625	-	56,141,625
SC3A Sub	64,606,760	-	64,606,760
SC3A Tran	906,841,405	4,257,766	902,583,639
Street Lighting	69,171,990	-	69,171,990
Total Full Service Sales	14,106,772,617	4,257,766	14,102,514,850

Non-Demand (SC1, SC1C, SC2ND)	10,272,715,464
Demand (SC2D, SC3, SC3A)	3,764,885,163
Streetlighting	69,171,990
Total	14,106,772,617

Reconciliation:	
Total PSC 220 kWh Sales per Exhibit (E-RDP-2CU), Schedule 2	32,009,066,656
Total PSC 214 kWh Sales per Exhibit (E-RDP-2CU), Schedule 2	185,454,001
Less: Retail Access	18,079,546,664
Total Full Service kwh Sales	14,114,973,993

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NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Forecast ESCo POR kWh Sales

	A	B	C	D	E
	2019 POR kWh	Total 2019 ESCo kWh	% POR	FY2022 Fcst ESCO kWh	FY 2022 Fcst POR kWh
SC1/SC1C	1,691,509,547	2,301,075,166	74%	1,627,062,627	1,196,046,095
		-	0%	-	-
SC1L	3,319,328	7,056,590	47%	11,456,267	5,388,879
SC2	121,500,345	239,217,383	51%	195,961,667	99,530,435
SC2D	965,715,472	2,666,842,712	36%	2,178,862,555	789,008,392
SC2L/SC5L	15,296,534	113,036,627	14%	63,415,713	8,581,649
SC3	830,588,414	5,548,671,157	15%	4,902,179,272	733,814,132
SC3A	160,616,498	4,830,948,467	3.32%	4,895,406,664	162,759,566
SC3L	1,148,810	4,431,227	26%	28,744,322	7,452,059
SC4L	322,552	3,213,383	10%	4,464,333	448,119
	-	-			
	3,790,017,500	15,714,492,712		13,907,553,420	3,003,029,326

Non-Demand	1,295,576,530
Demand	1,685,582,090
Streetlighting	21,870,706
Total	3,003,029,326

Column A	Historic Test Year POR kWh sales
Column B	Historic Test Year total ESCo kWh sales
Column C	Line B / Line A
Column D	FY 2022 Forecast of total ESCo kWh sales
Column E	Line C * Line D

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Electric Rate Design Panel

Exhibit __ (E-RDP-14CU)

Supporting Workpapers for Exhibits

Schedule 5

E-RDP-10CU

Workpaper 1 - Transmission Economic Carrying Charge Rate

E-RDP-14, wp for
E-RDP-10, Sch. 5, WP-1

Niagara Mohawk Power Company (Electric) dba National Grid
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022
Transmission Economic Carrying Charge Rate

Original Cost		
Original Cost $	*Cost*	$100.00
Depreciable life years	*Depr_Life*	55.47
Salvage %	*Salvage*	(30.00%)
Depreciable basis	*DeprBasis*	$130.00
Annual depreciation	*AnnualDepr*	$2.34
Year in service	*Start_Yr*	2017
Depr Year 1	*D_Yr1*	100%

Federal Tax		
FIT Basis $	*FIT_Basis*	$100.00
FIT depreciation yrs	*FIT_Life*	20
FIT rate	*FIT_Rate*	21.00%
FIT Gross-up	*FIT_Mult*	26.58%
FIT DDB Rate	*FDB_Rate*	150%
FIT DDB %	FDBpct	7.50%
FIT Method	*FIT_DDB*	TRUE
FIT Year 1	*F_Yr1*	50%

Annual Costs			Applied to
O&M	*OM_pct*	3.66%	Gross plant / inflated
Property tax	*Prop_pct*	2.85%	Net plant
Insurance	*Insur_pct*	0.10%	Gross plant / inflated
Inflation rate	*Inflation*	1.25%	101.25%
Cost of Capital			
Wtd Avg Cost of Capital	*WACC*	6.31%	
Wtd Return on Equity	*WEqu*	4.56%	

State Tax		
SIT Basis $	*SIT_Basis*	$100.00
SIT depreciation yrs	*SIT_Life*	20
SIT rate	*SIT_Rate*	6.50%
SIT Gross-up	*SIT_Mult*	6.95%
SIT DDB Rate	*SDB_Rate*	200%
SIT DDB %	SDBpct	10.00%
SIT Method	*SIT_DDB*	FALSE
SIT Year 1	*S_Yr1*	50%

NPV- Revenue Req	$204.68	NPV- Levelized Charge	$204.33
NPV- Plant	$1,546.86	Inflation Adjustment	5.42%
Economic Carrying Charge Rate	11.09% (ECCR)		

Year	*rYear*	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
Year Number	*rYearNum*	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Original Cost	*rCost*	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Depreciation expense	*rDepExp*	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34
Accum. depreciation	*rAccumDep*	2.34	4.69	7.03	9.37	11.72	14.06	16.41	18.75	21.09	23.44	25.78	28.12	30.47	32.81	35.15	37.50	39.84	42.18	44.53	46.87
Net plant	*rNetPlant*	97.66	95.31	92.97	90.63	88.28	85.94	83.59	81.25	78.91	76.56	74.22	71.88	69.53	67.19	64.85	62.50	60.16	57.82	55.47	53.13
Inflation Factor	*rInflation*	1.0000	1.0125	1.0252	1.0381	1.0511	1.0643	1.0776	1.0911	1.1048	1.1186	1.1327	1.1469	1.1612	1.1758	1.1905	1.2055	1.2206	1.2359	1.2514	1.2671
Levelized Charge	*rLevel*	11.09	11.23	11.37	11.51	11.66	11.81	11.95	12.10	12.25	12.41	12.56	12.72	12.88	13.04	13.21	13.37	13.54	13.71	13.88	14.05
Rate Base																					
Original Cost		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Accum. depreciation		(2.34)	(4.69)	(7.03)	(9.37)	(11.72)	(14.06)	(16.41)	(18.75)	(21.09)	(23.44)	(25.78)	(28.12)	(30.47)	(32.81)	(35.15)	(37.50)	(39.84)	(42.18)	(44.53)	(46.87)
ADIT- Federal		(0.30)	(1.32)	(2.23)	(3.03)	(3.74)	(4.36)	(4.89)	(5.35)	(5.80)	(6.24)	(6.69)	(7.13)	(7.58)	(8.02)	(8.46)	(8.91)	(9.35)	(9.80)	(10.24)	(10.69)
ADIT- State		(0.01)	(0.18)	(0.36)	(0.53)	(0.70)	(0.87)	(1.05)	(1.22)	(1.39)	(1.56)	(1.74)	(1.91)	(2.08)	(2.25)	(2.43)	(2.60)	(2.77)	(2.95)	(3.12)	(3.29)
Rate Base	*rRateBase*	97.35	93.81	90.38	87.06	83.84	80.71	77.65	74.68	71.72	68.76	65.80	62.84	59.88	56.91	53.95	50.99	48.03	45.07	42.11	39.15
Return on Rate Base	*rReturn*	6.14	5.92	5.70	5.49	5.29	5.09	4.90	4.71	4.53	4.34	4.15	3.97	3.78	3.59	3.40	3.22	3.03	2.84	2.66	2.47
Return on Equity	*rROE*	4.44	4.28	4.12	3.97	3.82	3.68	3.54	3.41	3.27	3.14	3.00	2.87	2.73	2.60	2.46	2.33	2.19	2.06	1.92	1.79
Revenue Requirement																					
Return on Rate Base		6.14	5.92	5.70	5.49	5.29	5.09	4.90	4.71	4.53	4.34	4.15	3.97	3.78	3.59	3.40	3.22	3.03	2.84	2.66	2.47
Depreciation expense		2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34
FIT- Total		1.18	1.14	1.10	1.06	1.02	0.98	0.94	0.91	0.87	0.83	0.80	0.76	0.73	0.69	0.65	0.62	0.58	0.55	0.51	0.47
SIT- Total		0.31	0.30	0.29	0.28	0.27	0.26	0.25	0.24	0.23	0.22	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.14	0.13	0.12
O&M		3.66	3.70	3.75	3.79	3.84	3.89	3.94	3.99	4.04	4.09	4.14	4.19	4.24	4.30	4.35	4.41	4.46	4.52	4.57	4.63
Property tax		2.79	2.72	2.65	2.59	2.52	2.45	2.38	2.32	2.25	2.18	2.12	2.05	1.98	1.92	1.85	1.78	1.72	1.65	1.58	1.52
Insurance		0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13
Revenue Requirement	*rRevReq*	16.52	16.22	15.93	15.65	15.38	15.12	14.86	14.61	14.37	14.12	13.87	13.63	13.38	13.14	12.89	12.65	12.41	12.17	11.93	11.69

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E-RDP-14, wp for
E-RDP-10, Sch. 5, WP-1

Niagara Mohawk Power Company (Electric) dba National Grid
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022
Transmission Economic Carrying Charge Rate

FIT																						
Return on Equity			4.44	4.28	4.12	3.97	3.82	3.68	3.54	3.41	3.27	3.14	3.00	2.87	2.73	2.60	2.46	2.33	2.19	2.06	1.92	1.79
Depreciation expense			2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34
SIT Current			0.30	0.11	0.10	0.09	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0.01	(0.00)	(0.01)	(0.02)	(0.03)	(0.04)	(0.05)	(0.06)
FIT Depr Allowance			(3.75)	(7.22)	(6.68)	(6.18)	(5.71)	(5.28)	(4.89)	(4.52)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)
FIT Taxable Income	*rFIT_Income*		3.33	(0.48)	(0.11)	0.23	0.53	0.81	1.06	1.28	1.20	1.05	0.91	0.76	0.62	0.47	0.33	0.18	0.04	(0.10)	(0.25)	(0.39)
FIT Current	*rFIT_Curr*		0.89	(0.13)	(0.03)	0.06	0.14	0.22	0.28	0.34	0.32	0.28	0.24	0.20	0.16	0.13	0.09	0.05	0.01	(0.03)	(0.07)	(0.10)
FIT Total	*rFIT_Total*		1.18	1.14	1.10	1.06	1.02	0.98	0.94	0.91	0.87	0.83	0.80	0.76	0.73	0.69	0.65	0.62	0.58	0.55	0.51	0.47
FIT Depreciation Allowance																						
FIT Deprec SL	*rFIT_SL*		2.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
FIT Deprec DDB	*rFIT_DDB*		3.75	7.22	6.68	6.18	5.71	5.28	4.89	4.52	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
FIT Deprec Allow	*rFITDep*		3.75	7.22	6.68	6.18	5.71	5.28	4.89	4.52	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
FIT Basis	*rFITBasis*	100.00	96.25	89.03	82.35	76.18	70.46	65.18	60.29	55.77	51.31	46.85	42.38	37.92	33.46	29.00	24.54	20.08	15.62	11.15	6.69	2.23
FIT Deprec DDB Bal	*rFIT_DDB_Bal*	100.00	96.25	89.03	82.35	76.18	70.46	65.18	60.29	55.77	51.31	46.85	42.38	37.92	33.46	29.00	24.54	20.08	15.62	11.15	6.69	2.23
FIT Remaining Years	*rFIT_RemY*	20.50	19.50	18.50	17.50	16.50	15.50	14.50	13.50	12.50	11.50	10.50	9.50	8.50	7.50	6.50	5.50	4.50	3.50	2.50	1.50	0.50
FIT Deferred	*rFIT_Defd*		0.30	1.02	0.91	0.80	0.71	0.62	0.53	0.46	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
FIT ADIT	*rFIT_ADIT*		0.30	1.32	2.23	3.03	3.74	4.36	4.89	5.35	5.80	6.24	6.69	7.13	7.58	8.02	8.46	8.91	9.35	9.80	10.24	10.69
SIT																						
Return on Equity			4.44	4.28	4.12	3.97	3.82	3.68	3.54	3.41	3.27	3.14	3.00	2.87	2.73	2.60	2.46	2.33	2.19	2.06	1.92	1.79
Depreciation expense			2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34
SIT Depr Allowance			(2.50)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)
SIT Taxable Income	*rSIT_Income*		4.28	1.62	1.47	1.31	1.17	1.02	0.88	0.75	0.61	0.48	0.34	0.21	0.07	(0.06)	(0.20)	(0.33)	(0.47)	(0.60)	(0.74)	(0.87)
SIT Current	*rSIT_Curr*		0.30	0.11	0.10	0.09	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0.01	(0.00)	(0.01)	(0.02)	(0.03)	(0.04)	(0.05)	(0.06)
SIT Total	*rSIT_Total*		0.31	0.30	0.29	0.28	0.27	0.26	0.25	0.24	0.23	0.22	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.14	0.13	0.12
SIT Depreciation Allowance																						
SIT Deprec SL	*rSIT_SL*		2.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SIT Deprec DDB	*rSIT_DDB*		5.00	9.50	8.55	7.70	6.93	6.23	5.61	5.05	4.54	4.09	3.68	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49
SIT Deprec Allow	*rSITDep*		2.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SIT Basis	*rSITBasis*	100.00	97.50	92.50	87.50	82.50	77.50	72.50	67.50	62.50	57.50	52.50	47.50	42.50	37.50	32.50	27.50	22.50	17.50	12.50	7.50	2.50
SIT Deprec DDB Bal	*rSIT_DDB_Bal*	100.00	95.00	85.50	76.95	69.26	62.33	56.10	50.49	45.44	40.89	36.80	33.12	29.64	26.15	22.66	19.18	15.69	12.20	8.72	5.23	1.74
SIT Remaining Years	*rSIT_RemY*	20.50	19.50	18.50	17.50	16.50	15.50	14.50	13.50	12.50	11.50	10.50	9.50	8.50	7.50	6.50	5.50	4.50	3.50	2.50	1.50	0.50
SIT Deferred	*rSIT_Defd*		0.01	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SIT ADIT	*rSIT_ADIT*		0.01	0.18	0.36	0.53	0.70	0.87	1.05	1.22	1.39	1.56	1.74	1.91	2.08	2.25	2.43	2.60	2.77	2.95	3.12	3.29

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Electric Rate Design Panel

Exhibit __ (E-RDP-14CU)

Supporting Workpapers for Exhibits

Schedule 5

E-RDP-10CU

Workpaper 2 - Primary/Secondary Economic Carrying Charge Rate

E-RDP-14, wp for
E-RDP-10, Sch. 5, WP-2

Niagara Mohawk Power Company (Electric) dba National Gric
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022
Primary / Secondary Distribution Economic Carrying Charge Rat

Original Cost				Federal Tax		
Original Cost $	*Cost*	$100.00		FIT Basis $	*FIT_Basis*	$100.00
Depreciable life years	*Depr_Life*	62.42		FIT depreciation yrs	*FIT_Life*	20
Salvage %	*Salvage*	(32.64%)		FIT rate	*FIT_Rate*	21.00%
Depreciable basis	*DeprBasis*	$132.64		FIT Gross-up	*FIT_Mult*	26.58%
Annual depreciation	*AnnualDepr*	$2.13		FIT DDB Rate	*FDB_Rate*	150%
Year in service	*Start_Yr*	2012		FIT DDB %	FDBpct	7.50%
Depr Year 1	*D_Yr1*	100%		FIT Method	*FIT_DDB*	TRUE
				FIT Year 1	*F_Yr1*	50%
Annual Costs			Applied to	**State Tax**		
O&M	*OM_pct*	6.51%	Gross plant / inflated	SIT Basis $	*SIT_Basis*	$100.00
Property tax	*Prop_pct*	2.85%	Net plant	SIT depreciation yrs	*SIT_Life*	20
Insurance	*Insur_pct*	0.10%	Gross plant / inflated	SIT rate	*SIT_Rate*	6.50%
Inflation rate	*Inflation*	1.25%	101.25%	SIT Gross-up	*SIT_Mult*	6.95%
				SIT DDB Rate	*SDB_Rate*	200%
Cost of Capital				SIT DDB %	SDBpct	10.00%
Wtd Avg Cost of Capital	*WACC*	6.31%		SIT Method	*SIT_DDB*	FALSE
Wtd Return on Equity	*WEqu*	4.56%		SIT Year 1	*S_Yr1*	50%

NPV- Revenue Req	$259.58	NPV- Levelized Charge	$258.65
NPV- Plant	$1,546.86	Inflation Adjustment	5.31%
Economic Carrying Charge Rate	13.78% (ECCR)		

Year	*rYear*	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Year Number	*rYearNum*	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Original Cost	*rCost*	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Depreciation expense	*rDepExp*	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13
Accum. depreciation	*rAccumDep*	2.13	4.25	6.38	8.50	10.63	12.75	14.88	17.00	19.13	21.25	23.38	25.50	27.63	29.75	31.88	34.00	36.13	38.25	40.38	42.50
Net plant	*rNetPlant*	97.87	95.75	93.62	91.50	89.37	87.25	85.12	83.00	80.87	78.75	76.62	74.50	72.37	70.25	68.12	66.00	63.87	61.75	59.62	57.50
Inflation Factor	*rInflation*	1.0000	1.0125	1.0252	1.0381	1.0511	1.0643	1.0776	1.0911	1.1048	1.1186	1.1327	1.1469	1.1612	1.1758	1.1905	1.2055	1.2206	1.2359	1.2514	1.2671
Levelized Charge	*rLevel*	13.78	13.96	14.13	14.31	14.49	14.67	14.85	15.04	15.23	15.42	15.61	15.81	16.01	16.21	16.41	16.62	16.82	17.03	17.25	17.46
Rate Base																					
Original Cost		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Accum. depreciation		(2.13)	(4.25)	(6.38)	(8.50)	(10.63)	(12.75)	(14.88)	(17.00)	(19.13)	(21.25)	(23.38)	(25.50)	(27.63)	(29.75)	(31.88)	(34.00)	(36.13)	(38.25)	(40.38)	(42.50)
ADIT- Federal		(0.34)	(1.41)	(2.37)	(3.22)	(3.97)	(4.63)	(5.22)	(5.72)	(6.21)	(6.70)	(7.19)	(7.68)	(8.17)	(8.66)	(9.15)	(9.64)	(10.13)	(10.62)	(11.12)	(11.61)
ADIT- State		(0.02)	(0.21)	(0.40)	(0.58)	(0.77)	(0.96)	(1.15)	(1.33)	(1.52)	(1.71)	(1.89)	(2.08)	(2.27)	(2.45)	(2.64)	(2.83)	(3.01)	(3.20)	(3.39)	(3.57)
Rate Base	*rRateBase*	97.51	94.13	90.86	87.70	84.63	81.66	78.76	75.95	73.15	70.34	67.54	64.74	61.94	59.13	56.33	53.53	50.73	47.92	45.12	42.32
Return on Rate Base	*rReturn*	6.15	5.94	5.73	5.53	5.34	5.15	4.97	4.79	4.62	4.44	4.26	4.08	3.91	3.73	3.55	3.38	3.20	3.02	2.85	2.67
Return on Equity	*rROE*	4.45	4.29	4.14	4.00	3.86	3.72	3.59	3.46	3.34	3.21	3.08	2.95	2.82	2.70	2.57	2.44	2.31	2.19	2.06	1.93
Revenue Requirement																					
Return on Rate Base		6.15	5.94	5.73	5.53	5.34	5.15	4.97	4.79	4.62	4.44	4.26	4.08	3.91	3.73	3.55	3.38	3.20	3.02	2.85	2.67
Depreciation expense		2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13
FIT- Total		1.18	1.14	1.10	1.06	1.03	0.99	0.95	0.92	0.89	0.85	0.82	0.78	0.75	0.72	0.68	0.65	0.61	0.58	0.55	0.51
SIT- Total		0.31	0.30	0.29	0.28	0.27	0.26	0.25	0.24	0.23	0.22	0.21	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.14	0.13
O&M		6.51	6.59	6.68	6.76	6.84	6.93	7.02	7.10	7.19	7.28	7.37	7.47	7.56	7.66	7.75	7.85	7.95	8.05	8.15	8.25
Property tax		2.79	2.73	2.67	2.61	2.55	2.49	2.43	2.37	2.31	2.25	2.19	2.13	2.06	2.00	1.94	1.88	1.82	1.76	1.70	1.64
Insurance		0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13
Revenue Requirement	*rRevReq*	19.17	18.93	18.70	18.47	18.26	18.05	17.85	17.66	17.47	17.28	17.09	16.91	16.72	16.54	16.35	16.17	15.99	15.81	15.64	15.46

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E-RDP-10, Sch. 5, WP-2

Niagara Mohawk Power Company (Electric) dba National Gric
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022
Primary / Secondary Distribution Economic Carrying Charge Rat

FIT																						
Return on Equity			4.45	4.29	4.14	4.00	3.86	3.72	3.59	3.46	3.34	3.21	3.08	2.95	2.82	2.70	2.57	2.44	2.31	2.19	2.06	1.93
Depreciation expense			2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13
SIT Current			0.28	0.10	0.09	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0.01	(0.00)	(0.01)	(0.02)	(0.03)	(0.04)	(0.05)	(0.06)	(0.07)
FIT Depr Allowance			(3.75)	(7.22)	(6.68)	(6.18)	(5.71)	(5.28)	(4.89)	(4.52)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)
FIT Taxable Income	*rFIT_Income*		3.10	(0.70)	(0.32)	0.03	0.34	0.62	0.88	1.11	1.03	0.89	0.76	0.62	0.48	0.35	0.21	0.07	(0.06)	(0.20)	(0.34)	(0.47)
FIT Current	*rFIT_Curr*		0.83	(0.19)	(0.09)	0.01	0.09	0.17	0.23	0.29	0.27	0.24	0.20	0.17	0.13	0.09	0.06	0.02	(0.02)	(0.05)	(0.09)	(0.13)
FIT Total	*rFIT_Total*		1.18	1.14	1.10	1.06	1.03	0.99	0.95	0.92	0.89	0.85	0.82	0.78	0.75	0.72	0.68	0.65	0.61	0.58	0.55	0.51
FIT Depreciation Allowance																						
FIT Deprec SL	*rFIT_SL*		2.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
FIT Deprec DDB	*rFIT_DDB*		3.75	7.22	6.68	6.18	5.71	5.28	4.89	4.52	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
FIT Deprec Allow	*rFITDep*		3.75	7.22	6.68	6.18	5.71	5.28	4.89	4.52	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
FIT Basis	*rFITBasis*	100.00	96.25	89.03	82.35	76.18	70.46	65.18	60.29	55.77	51.31	46.85	42.38	37.92	33.46	29.00	24.54	20.08	15.62	11.15	6.69	2.23
FIT Deprec DDB Bal	*rFIT_DDB_Bal*	100.00	96.25	89.03	82.35	76.18	70.46	65.18	60.29	55.77	51.31	46.85	42.38	37.92	33.46	29.00	24.54	20.08	15.62	11.15	6.69	2.23
FIT Remaining Years	*rFIT_RemY*	20.50	19.50	18.50	17.50	16.50	15.50	14.50	13.50	12.50	11.50	10.50	9.50	8.50	7.50	6.50	5.50	4.50	3.50	2.50	1.50	0.50
FIT Deferred	*rFIT_Defd*		0.34	1.07	0.96	0.85	0.75	0.66	0.58	0.50	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
FIT ADIT	*rFIT_ADIT*		0.34	1.41	2.37	3.22	3.97	4.63	5.22	5.72	6.21	6.70	7.19	7.68	8.17	8.66	9.15	9.64	10.13	10.62	11.12	11.61
SIT																						
Return on Equity			4.45	4.29	4.14	4.00	3.86	3.72	3.59	3.46	3.34	3.21	3.08	2.95	2.82	2.70	2.57	2.44	2.31	2.19	2.06	1.93
Depreciation expense			2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13
SIT Depr Allowance			(2.50)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)
SIT Taxable Income	*rSIT_Income*		4.07	1.42	1.27	1.12	0.98	0.85	0.72	0.59	0.46	0.33	0.20	0.08	(0.05)	(0.18)	(0.31)	(0.43)	(0.56)	(0.69)	(0.82)	(0.95)
SIT Current	*rSIT_Curr*		0.28	0.10	0.09	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.01	0.01	(0.00)	(0.01)	(0.02)	(0.03)	(0.04)	(0.05)	(0.06)	(0.07)
SIT Total	*rSIT_Total*		0.31	0.30	0.29	0.28	0.27	0.26	0.25	0.24	0.23	0.22	0.21	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.14	0.13
SIT Depreciation Allowance																						
SIT Deprec SL	*rSIT_SL*		2.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SIT Deprec DDB	*rSIT_DDB*		5.00	9.50	8.55	7.70	6.93	6.23	5.61	5.05	4.54	4.09	3.68	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49
SIT Deprec Allow	*rSITDep*		2.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SIT Basis	*rSITBasis*	100.00	97.50	92.50	87.50	82.50	77.50	72.50	67.50	62.50	57.50	52.50	47.50	42.50	37.50	32.50	27.50	22.50	17.50	12.50	7.50	2.50
SIT Deprec DDB Bal	*rSIT_DDB_Bal*	100.00	95.00	85.50	76.95	69.26	62.33	56.10	50.49	45.44	40.89	36.80	33.12	29.64	26.15	22.66	19.18	15.69	12.20	8.72	5.23	1.74
SIT Remaining Years	*rSIT_RemY*	20.50	19.50	18.50	17.50	16.50	15.50	14.50	13.50	12.50	11.50	10.50	9.50	8.50	7.50	6.50	5.50	4.50	3.50	2.50	1.50	0.50
SIT Deferred	*rSIT_Defd*		0.02	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
SIT ADIT	*rSIT_ADIT*		0.02	0.21	0.40	0.58	0.77	0.96	1.15	1.33	1.52	1.71	1.89	2.08	2.27	2.45	2.64	2.83	3.01	3.20	3.39	3.57

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Electric Rate Design Panel

Exhibit __ (E-RDP-14CU)

Supporting Workpapers for Exhibits

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Workpaper 3 - Transformers Economic Carrying Charge Rate

E-RDP-14, wp for
E-RDP-10, Sch. 5, WP-3

Niagara Mohawk Power Company (Electric) dba National Grid
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022
Transformers Economic Carrying Charge Rate

Original Cost		
Original Cost $	*Cost*	$100.00
Depreciable life years	*Depr_Life*	36
Salvage %	*Salvage*	(20.70%)
Depreciable basis	*DeprBasis*	$120.70
Annual depreciation	*AnnualDepr*	$3.35
Year in service	*Start_Yr*	2012
Depr Year 1	*D_Yr1*	100%

Federal Tax		
FIT Basis $	*FIT_Basis*	$100.00
FIT depreciation yrs	*FIT_Life*	20
FIT rate	*FIT_Rate*	21.00%
FIT Gross-up	*FIT_Mult*	26.58%
FIT DDB Rate	*FDB_Rate*	150%
FIT DDB %	FDBpct	7.50%
FIT Method	*FIT_DDB*	TRUE
FIT Year 1	*F_Yr1*	50%

Annual Costs			Applied to
O&M	*OM_pct*	0.22%	Gross plant / inflated
Property tax	*Prop_pct*	2.85%	Net plant
Insurance	*Insur_pct*	0.10%	Gross plant / inflated
Inflation rate	*Inflation*	1.25%	101.25%
Cost of Capital			
Wtd Avg Cost of Capital	*WACC*	6.31%	
Wtd Return on Equity	*WEqu*	4.56%	

State Tax		
SIT Basis $	*SIT_Basis*	$100.00
SIT depreciation yrs	*SIT_Life*	20
SIT rate	*SIT_Rate*	6.50%
SIT Gross-up	*SIT_Mult*	6.95%
SIT DDB Rate	*SDB_Rate*	200%
SIT DDB %	SDBpct	10.00%
SIT Method	*SIT_DDB*	FALSE
SIT Year 1	*S_Yr1*	50%

NPV- Revenue Req	$136.35	NPV- Levelized Charge	$134.92
NPV- Plant	$1,398.63	Inflation Adjustment	6.11%
Economic Carrying Charge Rate	8.34% (ECCR)		

Year	*rYear*	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Year Number	*rYearNum*	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Original Cost	*rCost*	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Depreciation expense	*rDepExp*	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35
Accum. depreciation	*rAccumDep*	3.35	6.71	10.06	13.41	16.76	20.12	23.47	26.82	30.18	33.53	36.88	40.23	43.59	46.94	50.29	53.64	57.00	60.35	63.70	67.06
Net plant	*rNetPlant*	96.65	93.29	89.94	86.59	83.24	79.88	76.53	73.18	69.83	66.47	63.12	59.77	56.41	53.06	49.71	46.36	43.00	39.65	36.30	32.94
Inflation Factor	*rInflation*	1.0000	1.0125	1.0252	1.0381	1.0511	1.0643	1.0776	1.0911	1.1048	1.1186	1.1327	1.1469	1.1612	1.1758	1.1905	1.2055	1.2206	1.2359	1.2514	1.2671
Levelized Charge	*rLevel*	8.34	8.44	8.55	8.65	8.76	8.87	8.98	9.10	9.21	9.33	9.44	9.56	9.68	9.80	9.93	10.05	10.18	10.30	10.43	10.56
Rate Base																					
Original Cost		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Accum. depreciation		(3.35)	(6.71)	(10.06)	(13.41)	(16.76)	(20.12)	(23.47)	(26.82)	(30.18)	(33.53)	(36.88)	(40.23)	(43.59)	(46.94)	(50.29)	(53.64)	(57.00)	(60.35)	(63.70)	(67.06)
ADIT- Federal		(0.08)	(0.90)	(1.59)	(2.19)	(2.68)	(3.09)	(3.41)	(3.66)	(3.89)	(4.12)	(4.35)	(4.59)	(4.82)	(5.05)	(5.29)	(5.52)	(5.75)	(5.98)	(6.22)	(6.45)
ADIT- State		0.06	(0.05)	(0.16)	(0.27)	(0.37)	(0.48)	(0.59)	(0.69)	(0.80)	(0.91)	(1.02)	(1.12)	(1.23)	(1.34)	(1.44)	(1.55)	(1.66)	(1.76)	(1.87)	(1.98)
Rate Base	*rRateBase*	96.62	92.35	88.19	84.14	80.18	76.32	72.53	68.83	65.14	61.44	57.75	54.06	50.36	46.67	42.98	39.29	35.59	31.90	28.21	24.52
Return on Rate Base	*rReturn*	6.10	5.83	5.56	5.31	5.06	4.82	4.58	4.34	4.11	3.88	3.64	3.41	3.18	2.94	2.71	2.48	2.25	2.01	1.78	1.55
Return on Equity	*rROE*	4.41	4.21	4.02	3.84	3.66	3.48	3.31	3.14	2.97	2.80	2.63	2.47	2.30	2.13	1.96	1.79	1.62	1.45	1.29	1.12
Revenue Requirement																					
Return on Rate Base		6.10	5.83	5.56	5.31	5.06	4.82	4.58	4.34	4.11	3.88	3.64	3.41	3.18	2.94	2.71	2.48	2.25	2.01	1.78	1.55
Depreciation expense		3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35
FIT- Total		1.17	1.12	1.07	1.02	0.97	0.93	0.88	0.83	0.79	0.74	0.70	0.66	0.61	0.57	0.52	0.48	0.43	0.39	0.34	0.30
SIT- Total		0.31	0.29	0.28	0.27	0.25	0.24	0.23	0.22	0.21	0.19	0.18	0.17	0.16	0.15	0.14	0.12	0.11	0.10	0.09	0.08
O&M		0.22	0.22	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.27	0.28	0.28
Property tax		2.76	2.66	2.57	2.47	2.37	2.28	2.18	2.09	1.99	1.90	1.80	1.71	1.61	1.51	1.42	1.32	1.23	1.13	1.04	0.94
Insurance		0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13
Revenue Requirement	*rRevReq*	14.00	13.58	13.16	12.75	12.35	11.95	11.57	11.19	10.80	10.42	10.04	9.66	9.28	8.90	8.52	8.14	7.76	7.38	7.00	6.62

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E-RDP-14, wp for
E-RDP-10, Sch. 5, WP-3

Niagara Mohawk Power Company (Electric) dba National Grid
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022
Transformers Economic Carrying Charge Rate

FIT																						
Return on Equity			4.41	4.21	4.02	3.84	3.66	3.48	3.31	3.14	2.97	2.80	2.63	2.47	2.30	2.13	1.96	1.79	1.62	1.45	1.29	1.12
Depreciation expense			3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35
SIT Current			0.37	0.18	0.17	0.15	0.14	0.13	0.12	0.10	0.09	0.08	0.07	0.06	0.05	0.03	0.02	0.01	(0.00)	(0.01)	(0.03)	(0.04)
FIT Depr Allowance			(3.75)	(7.22)	(6.68)	(6.18)	(5.71)	(5.28)	(4.89)	(4.52)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)
FIT Taxable Income	*rFIT_Income*		4.37	0.52	0.86	1.17	1.44	1.68	1.89	2.07	1.95	1.77	1.59	1.41	1.23	1.05	0.87	0.69	0.51	0.33	0.15	(0.03)
FIT Current	*rFIT_Curr*		1.16	0.14	0.23	0.31	0.38	0.45	0.50	0.55	0.52	0.47	0.42	0.38	0.33	0.28	0.23	0.18	0.14	0.09	0.04	(0.01)
FIT Total	*rFIT_Total*		1.17	1.12	1.07	1.02	0.97	0.93	0.88	0.83	0.79	0.74	0.70	0.66	0.61	0.57	0.52	0.48	0.43	0.39	0.34	0.30
FIT Depreciation Allowance																						
FIT Deprec SL	*rFIT_SL*		2.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
FIT Deprec DDB	*rFIT_DDB*		3.75	7.22	6.68	6.18	5.71	5.28	4.89	4.52	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
FIT Deprec Allow	*rFITDep*		3.75	7.22	6.68	6.18	5.71	5.28	4.89	4.52	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
FIT Basis	*rFITBasis*	100.00	96.25	89.03	82.35	76.18	70.46	65.18	60.29	55.77	51.31	46.85	42.38	37.92	33.46	29.00	24.54	20.08	15.62	11.15	6.69	2.23
FIT Deprec DDB Bal	*rFIT_DDB_Bal*	100.00	96.25	89.03	82.35	76.18	70.46	65.18	60.29	55.77	51.31	46.85	42.38	37.92	33.46	29.00	24.54	20.08	15.62	11.15	6.69	2.23
FIT Remaining Years	*rFIT_RemY*	20.50	19.50	18.50	17.50	16.50	15.50	14.50	13.50	12.50	11.50	10.50	9.50	8.50	7.50	6.50	5.50	4.50	3.50	2.50	1.50	0.50
FIT Deferred	*rFIT_Defd*		0.08	0.81	0.70	0.59	0.50	0.41	0.32	0.25	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
FIT ADIT	*rFIT_ADIT*		0.08	0.90	1.59	2.19	2.68	3.09	3.41	3.66	3.89	4.12	4.35	4.59	4.82	5.05	5.29	5.52	5.75	5.98	6.22	6.45
SIT																						
Return on Equity			4.41	4.21	4.02	3.84	3.66	3.48	3.31	3.14	2.97	2.80	2.63	2.47	2.30	2.13	1.96	1.79	1.62	1.45	1.29	1.12
Depreciation expense			3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35
SIT Depr Allowance			(2.50)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)
SIT Taxable Income	*rSIT_Income*		5.26	2.56	2.37	2.19	2.01	1.83	1.66	1.49	1.32	1.15	0.99	0.82	0.65	0.48	0.31	0.14	(0.02)	(0.19)	(0.36)	(0.53)
SIT Current	*rSIT_Curr*		0.37	0.18	0.17	0.15	0.14	0.13	0.12	0.10	0.09	0.08	0.07	0.06	0.05	0.03	0.02	0.01	(0.00)	(0.01)	(0.03)	(0.04)
SIT Total	*rSIT_Total*		0.31	0.29	0.28	0.27	0.25	0.24	0.23	0.22	0.21	0.19	0.18	0.17	0.16	0.15	0.14	0.12	0.11	0.10	0.09	0.08
SIT Depreciation Allowance																						
SIT Deprec SL	*rSIT_SL*		2.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SIT Deprec DDB	*rSIT_DDB*		5.00	9.50	8.55	7.70	6.93	6.23	5.61	5.05	4.54	4.09	3.68	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49
SIT Deprec Allow	*rSITDep*		2.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SIT Basis	*rSITBasis*	100.00	97.50	92.50	87.50	82.50	77.50	72.50	67.50	62.50	57.50	52.50	47.50	42.50	37.50	32.50	27.50	22.50	17.50	12.50	7.50	2.50
SIT Deprec DDB Bal	*rSIT_DDB_Bal*	100.00	95.00	85.50	76.95	69.26	62.33	56.10	50.49	45.44	40.89	36.80	33.12	29.64	26.15	22.66	19.18	15.69	12.20	8.72	5.23	1.74
SIT Remaining Years	*rSIT_RemY*	20.50	19.50	18.50	17.50	16.50	15.50	14.50	13.50	12.50	11.50	10.50	9.50	8.50	7.50	6.50	5.50	4.50	3.50	2.50	1.50	0.50
SIT Deferred	*rSIT_Defd*		(0.06)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
SIT ADIT	*rSIT_ADIT*		(0.06)	0.05	0.16	0.27	0.37	0.48	0.59	0.69	0.80	0.91	1.02	1.12	1.23	1.34	1.44	1.55	1.66	1.76	1.87	1.98

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Electric Rate Design Panel

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Supporting Workpapers for Exhibits

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Workpaper 4 - Services Economic Carrying Charge Rate

E-RDP-14, wp for
E-RDP-10, Sch. 5, WP-4

Niagara Mohawk Power Company (Electric) dba National Gric
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022
Services Economic Carrying Charge Rat

Original Cost		
Original Cost $	*Cost*	$100.00
Depreciable life years	*Depr_Life*	55
Salvage %	*Salvage*	(46.80%)
Depreciable basis	*DeprBasis*	$146.80
Annual depreciation	*AnnualDepr*	$2.67
Year in service	*Start_Yr*	2012
Depr Year 1	*D_Yr1*	100%

Federal Tax		
FIT Basis $	*FIT_Basis*	$100.00
FIT depreciation yrs	*FIT_Life*	20
FIT rate	*FIT_Rate*	21.00%
FIT Gross-up	*FIT_Mult*	26.58%
FIT DDB Rate	*FDB_Rate*	150%
FIT DDB %	FDBpct	7.50%
FIT Method	*FIT_DDB*	TRUE
FIT Year 1	*F_Yr1*	50%

Annual Costs			Applied to
O&M	*OM_pct*	1.88%	Gross plant / inflated
Property tax	*Prop_pct*	0.00%	Net plant
Insurance	*Insur_pct*	0.10%	Gross plant / inflated
Inflation rate	*Inflation*	1.25%	101.25%
Cost of Capital			
Wtd Avg Cost of Capital	*WACC*	6.31%	
Wtd Return on Equity	*WEqu*	4.56%	

State Tax		
SIT Basis $	*SIT_Basis*	$100.00
SIT depreciation yrs	*SIT_Life*	20
SIT rate	*SIT_Rate*	6.50%
SIT Gross-up	*SIT_Mult*	6.95%
SIT DDB Rate	*SDB_Rate*	200%
SIT DDB %	SDBpct	10.00%
SIT Method	*SIT_DDB*	FALSE
SIT Year 1	*S_Yr1*	50%

NPV- Revenue Req	$142.65	NPV- Levelized Charge	$139.75
NPV- Plant	$1,510.44	Inflation Adjustment	5.43%
Economic Carrying Charge Rate	7.74% (ECCR)		

Year	*rYear*	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Year Number	*rYearNum*	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Original Cost	*rCost*	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Depreciation expense	*rDepExp*	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67
Accum. depreciation	*rAccumDep*	2.67	5.34	8.01	10.68	13.35	16.01	18.68	21.35	24.02	26.69	29.36	32.03	34.70	37.37	40.04	42.71	45.37	48.04	50.71	53.38
Net plant	*rNetPlant*	97.33	94.66	91.99	89.32	86.65	83.99	81.32	78.65	75.98	73.31	70.64	67.97	65.30	62.63	59.96	57.29	54.63	51.96	49.29	46.62
Inflation Factor	*rInflation*	1.0000	1.0125	1.0252	1.0381	1.0511	1.0643	1.0776	1.0911	1.1048	1.1186	1.1327	1.1469	1.1612	1.1758	1.1905	1.2055	1.2206	1.2359	1.2514	1.2671
Levelized Charge	*rLevel*	7.74	7.84	7.94	8.04	8.14	8.24	8.34	8.45	8.56	8.66	8.77	8.88	8.99	9.10	9.22	9.33	9.45	9.57	9.69	9.81
Rate Base																					
Original Cost		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Accum. depreciation		(2.67)	(5.34)	(8.01)	(10.68)	(13.35)	(16.01)	(18.68)	(21.35)	(24.02)	(26.69)	(29.36)	(32.03)	(34.70)	(37.37)	(40.04)	(42.71)	(45.37)	(48.04)	(50.71)	(53.38)
ADIT- Federal		(0.23)	(1.18)	(2.02)	(2.76)	(3.40)	(3.95)	(4.42)	(4.80)	(5.18)	(5.56)	(5.93)	(6.31)	(6.69)	(7.06)	(7.44)	(7.82)	(8.19)	(8.57)	(8.94)	(9.32)
ADIT- State		0.01	(0.14)	(0.29)	(0.44)	(0.60)	(0.75)	(0.90)	(1.05)	(1.20)	(1.35)	(1.50)	(1.66)	(1.81)	(1.96)	(2.11)	(2.26)	(2.41)	(2.56)	(2.72)	(2.87)
Rate Base	*rRateBase*	97.11	93.34	89.68	86.12	82.66	79.29	76.00	72.79	69.60	66.40	63.20	60.01	56.81	53.61	50.41	47.22	44.02	40.82	37.63	34.43
Return on Rate Base	*rReturn*	6.13	5.89	5.66	5.43	5.22	5.00	4.80	4.59	4.39	4.19	3.99	3.79	3.58	3.38	3.18	2.98	2.78	2.58	2.37	2.17
Return on Equity	*rROE*	4.43	4.26	4.09	3.93	3.77	3.62	3.47	3.32	3.17	3.03	2.88	2.74	2.59	2.44	2.30	2.15	2.01	1.86	1.72	1.57
Revenue Requirement																					
Return on Rate Base		6.13	5.89	5.66	5.43	5.22	5.00	4.80	4.59	4.39	4.19	3.99	3.79	3.58	3.38	3.18	2.98	2.78	2.58	2.37	2.17
Depreciation expense		2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67
FIT- Total		1.18	1.13	1.09	1.04	1.00	0.96	0.92	0.88	0.84	0.80	0.77	0.73	0.69	0.65	0.61	0.57	0.53	0.49	0.46	0.42
SIT- Total		0.31	0.30	0.28	0.27	0.26	0.25	0.24	0.23	0.22	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.14	0.13	0.12	0.11
O&M		1.88	1.91	1.93	1.95	1.98	2.00	2.03	2.05	2.08	2.10	2.13	2.16	2.19	2.21	2.24	2.27	2.30	2.33	2.35	2.38
Property tax		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Insurance		0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13
Revenue Requirement	*rRevReq*	12.26	11.99	11.73	11.48	11.23	10.99	10.76	10.54	10.31	10.09	9.87	9.65	9.42	9.20	8.98	8.76	8.54	8.32	8.10	7.88

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E-RDP-14, wp for
E-RDP-10, Sch. 5, WP-4

Niagara Mohawk Power Company (Electric) dba National Gric
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022
Services Economic Carrying Charge Rat

FIT																						
Return on Equity			4.43	4.26	4.09	3.93	3.77	3.62	3.47	3.32	3.17	3.03	2.88	2.74	2.59	2.44	2.30	2.15	2.01	1.86	1.72	1.57
Depreciation expense			2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67
SIT Current			0.32	0.13	0.12	0.11	0.10	0.09	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.01	(0.00)	(0.01)	(0.02)	(0.03)	(0.04)	(0.05)
FIT Depr Allowance			(3.75)	(7.22)	(6.68)	(6.18)	(5.71)	(5.28)	(4.89)	(4.52)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)
FIT Taxable Income	*rFIT_Income*		3.67	(0.16)	0.20	0.53	0.83	1.09	1.33	1.54	1.44	1.28	1.13	0.97	0.82	0.66	0.50	0.35	0.19	0.04	(0.12)	(0.28)
FIT Current	*rFIT_Curr*		0.97	(0.04)	0.05	0.14	0.22	0.29	0.35	0.41	0.38	0.34	0.30	0.26	0.22	0.18	0.13	0.09	0.05	0.01	(0.03)	(0.07)
FIT Total	*rFIT_Total*		1.18	1.13	1.09	1.04	1.00	0.96	0.92	0.88	0.84	0.80	0.77	0.73	0.69	0.65	0.61	0.57	0.53	0.49	0.46	0.42
FIT Depreciation Allowance																						
FIT Deprec SL	*rFIT_SL*		2.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
FIT Deprec DDB	*rFIT_DDB*		3.75	7.22	6.68	6.18	5.71	5.28	4.89	4.52	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
FIT Deprec Allow	*rFITDep*		3.75	7.22	6.68	6.18	5.71	5.28	4.89	4.52	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
FIT Basis	*rFITBasis*	100.00	96.25	89.03	82.35	76.18	70.46	65.18	60.29	55.77	51.31	46.85	42.38	37.92	33.46	29.00	24.54	20.08	15.62	11.15	6.69	2.23
FIT Deprec DDB Bal	*rFIT_DDB_Bal*	100.00	96.25	89.03	82.35	76.18	70.46	65.18	60.29	55.77	51.31	46.85	42.38	37.92	33.46	29.00	24.54	20.08	15.62	11.15	6.69	2.23
FIT Remaining Years	*rFIT_RemY*	20.50	19.50	18.50	17.50	16.50	15.50	14.50	13.50	12.50	11.50	10.50	9.50	8.50	7.50	6.50	5.50	4.50	3.50	2.50	1.50	0.50
FIT Deferred	*rFIT_Defd*		0.23	0.96	0.84	0.74	0.64	0.55	0.47	0.39	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
FIT ADIT	*rFIT_ADIT*		0.23	1.18	2.02	2.76	3.40	3.95	4.42	4.80	5.18	5.56	5.93	6.31	6.69	7.06	7.44	7.82	8.19	8.57	8.94	9.32
SIT																						
Return on Equity			4.43	4.26	4.09	3.93	3.77	3.62	3.47	3.32	3.17	3.03	2.88	2.74	2.59	2.44	2.30	2.15	2.01	1.86	1.72	1.57
Depreciation expense			2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67
SIT Depr Allowance			(2.50)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)
SIT Taxable Income	*rSIT_Income*		4.60	1.93	1.76	1.60	1.44	1.28	1.13	0.99	0.84	0.70	0.55	0.41	0.26	0.11	(0.03)	(0.18)	(0.32)	(0.47)	(0.62)	(0.76)
SIT Current	*rSIT_Curr*		0.32	0.13	0.12	0.11	0.10	0.09	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.01	(0.00)	(0.01)	(0.02)	(0.03)	(0.04)	(0.05)
SIT Total	*rSIT_Total*		0.31	0.30	0.28	0.27	0.26	0.25	0.24	0.23	0.22	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.14	0.13	0.12	0.11
SIT Depreciation Allowance																						
SIT Deprec SL	*rSIT_SL*		2.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SIT Deprec DDB	*rSIT_DDB*		5.00	9.50	8.55	7.70	6.93	6.23	5.61	5.05	4.54	4.09	3.68	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49
SIT Deprec Allow	*rSITDep*		2.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SIT Basis	*rSITBasis*	100.00	97.50	92.50	87.50	82.50	77.50	72.50	67.50	62.50	57.50	52.50	47.50	42.50	37.50	32.50	27.50	22.50	17.50	12.50	7.50	2.50
SIT Deprec DDB Bal	*rSIT_DDB_Bal*	100.00	95.00	85.50	76.95	69.26	62.33	56.10	50.49	45.44	40.89	36.80	33.12	29.64	26.15	22.66	19.18	15.69	12.20	8.72	5.23	1.74
SIT Remaining Years	*rSIT_RemY*	20.50	19.50	18.50	17.50	16.50	15.50	14.50	13.50	12.50	11.50	10.50	9.50	8.50	7.50	6.50	5.50	4.50	3.50	2.50	1.50	0.50
SIT Deferred	*rSIT_Defd*		(0.01)	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SIT ADIT	*rSIT_ADIT*		(0.01)	0.14	0.29	0.44	0.60	0.75	0.90	1.05	1.20	1.35	1.50	1.66	1.81	1.96	2.11	2.26	2.41	2.56	2.72	2.87

Exhibit____(E-RDP-5CU)
Workpapers to Exhibit____(E-RDP-10CU)
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Electric Rate Design Panel

Exhibit __ (E-RDP-14CU)

Supporting Workpapers for Exhibits

Schedule 5

E-RDP-10CU

Workpaper 5 - Meters Economic Carrying Charge Rate

E-RDP-14, wp for
E-RDP-10, Sch. 5, WP-5

Niagara Mohawk Power Company (Electric) dba National Gric
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022
Meters Economic Carrying Charge Rat

Original Cost				Federal Tax		
Original Cost $	*Cost*	$100.00		FIT Basis $	*FIT_Basis*	$100.00
Depreciable life years	*Depr_Life*	20		FIT depreciation yrs	*FIT_Life*	20
Salvage %	*Salvage*	(13.00%)		FIT rate	*FIT_Rate*	21.00%
Depreciable basis	*DeprBasis*	$113.00		FIT Gross-up	*FIT_Mult*	26.58%
Annual depreciation	*AnnualDepr*	$5.65		FIT DDB Rate	*FDB_Rate*	150%
Year in service	*Start_Yr*	2012		FIT DDB %	FDBpct	7.50%
Depr Year 1	*D_Yr1*	100%		FIT Method	*FIT_DDB*	TRUE
				FIT Year 1	*F_Yr1*	50%
Annual Costs			Applied to	**State Tax**		
O&M	*OM_pct*	4.40%	Gross plant / inflated	SIT Basis $	*SIT_Basis*	$100.00
Property tax	*Prop_pct*	2.85%	Net plant	SIT depreciation yrs	*SIT_Life*	20
Insurance	*Insur_pct*	0.10%	Gross plant / inflated	SIT rate	*SIT_Rate*	6.50%
Inflation rate	*Inflation*	1.25%	101.25%	SIT Gross-up	*SIT_Mult*	6.95%
				SIT DDB Rate	*SDB_Rate*	200%
Cost of Capital				SIT DDB %	SDBpct	10.00%
Wtd Avg Cost of Capital	*WACC*	6.31%		SIT Method	*SIT_DDB*	FALSE
Wtd Return on Equity	*WEqu*	4.56%		SIT Year 1	*S_Yr1*	50%

NPV- Revenue Req	$192.50	NPV- Levelized Charge	$192.50
NPV- Plant	$1,332.00	Inflation Adjustment	8.12%
Economic Carrying Charge Rate	15.63% (ECCR)		

Year	*rYear*	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Year Number	*rYearNum*	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Original Cost	*rCost*	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Depreciation expense	*rDepExp*	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65
Accum. depreciation	*rAccumDep*	5.65	11.30	16.95	22.60	28.25	33.90	39.55	45.20	50.85	56.50	62.15	67.80	73.45	79.10	84.75	90.40	96.05	101.70	107.35	113.00
Net plant	*rNetPlant*	94.35	88.70	83.05	77.40	71.75	66.10	60.45	54.80	49.15	43.50	37.85	32.20	26.55	20.90	15.25	9.60	3.95	(1.70)	(7.35)	(13.00)
Inflation Factor	*rInflation*	1.0000	1.0125	1.0252	1.0381	1.0511	1.0643	1.0776	1.0911	1.1048	1.1186	1.1327	1.1469	1.1612	1.1758	1.1905	1.2055	1.2206	1.2359	1.2514	1.2671
Levelized Charge	*rLevel*	15.63	15.83	16.03	16.23	16.43	16.64	16.85	17.06	17.27	17.49	17.71	17.93	18.15	18.38	18.61	18.84	19.08	19.32	19.56	19.81
Rate Base																					
Original Cost		100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Accum. depreciation		(5.65)	(11.30)	(16.95)	(22.60)	(28.25)	(33.90)	(39.55)	(45.20)	(50.85)	(56.50)	(62.15)	(67.80)	(73.45)	(79.10)	(84.75)	(90.40)	(96.05)	(101.70)	(107.35)	(113.00)
ADIT- Federal		0.40	0.07	(0.15)	(0.26)	(0.27)	(0.19)	(0.03)	0.20	0.45	0.70	0.95	1.20	1.45	1.70	1.95	2.20	2.45	2.70	2.95	3.20
ADIT- State		0.20	0.25	0.29	0.33	0.37	0.42	0.46	0.50	0.54	0.59	0.63	0.67	0.71	0.75	0.80	0.84	0.88	0.92	0.97	1.01
Rate Base	*rRateBase*	94.95	89.02	83.19	77.47	71.85	66.32	60.87	55.50	50.15	44.79	39.43	34.07	28.71	23.35	18.00	12.64	7.28	1.92	(3.44)	(8.79)
Return on Rate Base	*rReturn*	5.99	5.62	5.25	4.89	4.53	4.18	3.84	3.50	3.16	2.83	2.49	2.15	1.81	1.47	1.14	0.80	0.46	0.12	(0.22)	(0.55)
Return on Equity	*rROE*	4.33	4.06	3.79	3.53	3.28	3.02	2.78	2.53	2.29	2.04	1.80	1.55	1.31	1.06	0.82	0.58	0.33	0.09	(0.16)	(0.40)
Revenue Requirement																					
Return on Rate Base		5.99	5.62	5.25	4.89	4.53	4.18	3.84	3.50	3.16	2.83	2.49	2.15	1.81	1.47	1.14	0.80	0.46	0.12	(0.22)	(0.55)
Depreciation expense		5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65
FIT- Total		1.15	1.08	1.01	0.94	0.87	0.80	0.74	0.67	0.61	0.54	0.48	0.41	0.35	0.28	0.22	0.15	0.09	0.02	(0.04)	(0.11)
SIT- Total		0.30	0.28	0.26	0.25	0.23	0.21	0.19	0.18	0.16	0.14	0.12	0.11	0.09	0.07	0.06	0.04	0.02	0.01	(0.01)	(0.03)
O&M		4.40	4.46	4.52	4.57	4.63	4.69	4.75	4.81	4.87	4.93	4.99	5.05	5.12	5.18	5.24	5.31	5.38	5.44	5.51	5.58
Property tax		2.69	2.53	2.37	2.21	2.05	1.89	1.72	1.56	1.40	1.24	1.08	0.92	0.76	0.60	0.44	0.27	0.11	(0.05)	(0.21)	(0.37)
Insurance		0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13
Revenue Requirement	*rRevReq*	20.29	19.72	19.16	18.61	18.06	17.53	17.00	16.48	15.96	15.44	14.92	14.41	13.89	13.37	12.86	12.35	11.83	11.32	10.81	10.30

Exhibit____(E-RDP-5CU)
Workpapers to Exhibit____(E-RDP-10CU)
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E-RDP-14, wp for
E-RDP-10, Sch. 5, WP-5

Niagara Mohawk Power Company (Electric) dba National Gric
Marginal Class Study ($000s) (CU)- Rate Year Ending June 30, 2022
Meters Economic Carrying Charge Rat

FIT																						
Return on Equity			4.33	4.06	3.79	3.53	3.28	3.02	2.78	2.53	2.29	2.04	1.80	1.55	1.31	1.06	0.82	0.58	0.33	0.09	(0.16)	(0.40)
Depreciation expense			5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65
SIT Current			0.52	0.33	0.31	0.29	0.27	0.26	0.24	0.22	0.20	0.19	0.17	0.15	0.14	0.12	0.10	0.09	0.07	0.05	0.03	0.02
FIT Depr Allowance			(3.75)	(7.22)	(6.68)	(6.18)	(5.71)	(5.28)	(4.89)	(4.52)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)	(4.46)
FIT Taxable Income	*rFIT_Income*		6.75	2.82	3.08	3.30	3.49	3.64	3.78	3.88	3.68	3.42	3.16	2.90	2.63	2.37	2.11	1.85	1.59	1.33	1.07	0.80
FIT Current	*rFIT_Curr*		1.79	0.75	0.82	0.88	0.93	0.97	1.00	1.03	0.98	0.91	0.84	0.77	0.70	0.63	0.56	0.49	0.42	0.35	0.28	0.21
FIT Total	*rFIT_Total*		1.15	1.08	1.01	0.94	0.87	0.80	0.74	0.67	0.61	0.54	0.48	0.41	0.35	0.28	0.22	0.15	0.09	0.02	(0.04)	(0.11)
FIT Depreciation Allowance																						
FIT Deprec SL	*rFIT_SL*		2.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
FIT Deprec DDB	*rFIT_DDB*		3.75	7.22	6.68	6.18	5.71	5.28	4.89	4.52	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
FIT Deprec Allow	*rFITDep*		3.75	7.22	6.68	6.18	5.71	5.28	4.89	4.52	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46
FIT Basis	*rFITBasis*	100.00	96.25	89.03	82.35	76.18	70.46	65.18	60.29	55.77	51.31	46.85	42.38	37.92	33.46	29.00	24.54	20.08	15.62	11.15	6.69	2.23
FIT Deprec DDB Bal	*rFIT_DDB_Bal*	100.00	96.25	89.03	82.35	76.18	70.46	65.18	60.29	55.77	51.31	46.85	42.38	37.92	33.46	29.00	24.54	20.08	15.62	11.15	6.69	2.23
FIT Remaining Years	*rFIT_RemY*	20.50	19.50	18.50	17.50	16.50	15.50	14.50	13.50	12.50	11.50	10.50	9.50	8.50	7.50	6.50	5.50	4.50	3.50	2.50	1.50	0.50
FIT Deferred	*rFIT_Defd*		(0.40)	0.33	0.22	0.11	0.01	(0.08)	(0.16)	(0.24)	(0.25)	(0.25)	(0.25)	(0.25)	(0.25)	(0.25)	(0.25)	(0.25)	(0.25)	(0.25)	(0.25)	(0.25)
FIT ADIT	*rFIT_ADIT*		(0.40)	(0.07)	0.15	0.26	0.27	0.19	0.03	(0.20)	(0.45)	(0.70)	(0.95)	(1.20)	(1.45)	(1.70)	(1.95)	(2.20)	(2.45)	(2.70)	(2.95)	(3.20)
SIT																						
Return on Equity			4.33	4.06	3.79	3.53	3.28	3.02	2.78	2.53	2.29	2.04	1.80	1.55	1.31	1.06	0.82	0.58	0.33	0.09	(0.16)	(0.40)
Depreciation expense			5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65	5.65
SIT Depr Allowance			(2.50)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)	(5.00)
SIT Taxable Income	*rSIT_Income*		7.48	4.71	4.44	4.18	3.93	3.67	3.43	3.18	2.94	2.69	2.45	2.20	1.96	1.71	1.47	1.23	0.98	0.74	0.49	0.25
SIT Current	*rSIT_Curr*		0.52	0.33	0.31	0.29	0.27	0.26	0.24	0.22	0.20	0.19	0.17	0.15	0.14	0.12	0.10	0.09	0.07	0.05	0.03	0.02
SIT Total	*rSIT_Total*		0.30	0.28	0.26	0.25	0.23	0.21	0.19	0.18	0.16	0.14	0.12	0.11	0.09	0.07	0.06	0.04	0.02	0.01	(0.01)	(0.03)
SIT Depreciation Allowance																						
SIT Deprec SL	*rSIT_SL*		2.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SIT Deprec DDB	*rSIT_DDB*		5.00	9.50	8.55	7.70	6.93	6.23	5.61	5.05	4.54	4.09	3.68	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49
SIT Deprec Allow	*rSITDep*		2.50	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SIT Basis	*rSITBasis*	100.00	97.50	92.50	87.50	82.50	77.50	72.50	67.50	62.50	57.50	52.50	47.50	42.50	37.50	32.50	27.50	22.50	17.50	12.50	7.50	2.50
SIT Deprec DDB Bal	*rSIT_DDB_Bal*	100.00	95.00	85.50	76.95	69.26	62.33	56.10	50.49	45.44	40.89	36.80	33.12	29.64	26.15	22.66	19.18	15.69	12.20	8.72	5.23	1.74
SIT Remaining Years	*rSIT_RemY*	20.50	19.50	18.50	17.50	16.50	15.50	14.50	13.50	12.50	11.50	10.50	9.50	8.50	7.50	6.50	5.50	4.50	3.50	2.50	1.50	0.50
SIT Deferred	*rSIT_Defd*		(0.20)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)
SIT ADIT	*rSIT_ADIT*		(0.20)	(0.25)	(0.29)	(0.33)	(0.37)	(0.42)	(0.46)	(0.50)	(0.54)	(0.59)	(0.63)	(0.67)	(0.71)	(0.75)	(0.80)	(0.84)	(0.88)	(0.92)	(0.97)	(1.01)

Exhibit____(E-RDP-5CU)
Workpapers to Exhibit____(E-RDP-10CU)
Schedule 5
Workpaper 5
Corrections and Updates
Page 2 of 2

Electric Rate Design Panel

Appendix A

Company's Responses to Relevant Information Requests

Date of Request: August 14, 2020 | Request No. DPS-334
Due Date: August 24, 2020 | NMPC Req. No. NM -368

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Case Nos. 20-E-0380 and 20-G-0381
Electric and Gas Rates

Request for Information

FROM: DPS Staff, Sandra Hart

TO: National Grid, Electric Rate Design Panel

SUBJECT: Customer Charges

Request:

Note: In all interrogatories, all requests for workpapers or supporting calculations shall be construed as requesting any Word, Excel or other computer spreadsheet models in original electronic format with all formulae intact and unlocked.

1. On page 41, lines 14-15 of the Electric Rate Design Panel's testimony, the Company states "to mitigate rate impacts on lower-usage customers, the customer charges for each rate class were unchanged." Did the Company perform any rate design analysis that included increases to electric service classification customer charges? If so, provide the customer charge amounts and associated bill impacts that were evaluated, but subsequently not utilized, for each service classification.

Response:

Please note that the Company's Electric Rate Design Panel's direct testimony on page 41, lines 14-15, is not correct and will be updated in Corrections and Updates. The Company has proposed increases to the customer charges of all electric service classes, with the exception of SC2 ND. The proposed increased customer charges are provided in Exhibit __ (E-RDP-4), Schedule 4, Page 1. The bill impacts provided in Exhibit __ (E-RDP-4), Schedule 5, reflect these proposed increased customer charges.

Name of Respondent: Carol Teixeira | Date of Reply: August 20, 2020

Date of Request: September 11, 2020 Request No. DPS-625
Due Date: September 21, 2020 NMPC Req. No. NM-684

NIAGARA MOHAWK POWER CORPORATION d/b/a NATIONAL GRID
Case Nos. 20-E-0380 and 20-G-0381
Electric and Gas Rates

Request for Information

FROM: DPS Staff, Tshepo Simpson

TO: National Grid, Electric Rate Design Panel

SUBJECT: Misc. Revenues – Plant Leased to Others

Request:

Note: In all interrogatories, all requests for workpapers or supporting calculations shall be construed as requesting any Word, Excel or other computer spreadsheet models in original electronic format with all formulae intact and unlocked.

1. Referring to Exhibit____(E-RDP-2), Schedule 4, Page 9, provide the purchase power agreements and/or calculations used to support the Rate Year forecast for hydro lease payments.

2. The Exhibit notes that a customer is in default and its lease will likely be terminated in 2020. Explain why the customer's lease payments are included in the Rate Year forecast.

Response:

1. Please see Attachments 1-6 for the lease agreements. Attachments 1 through 6 are confidential and will be submitted in accordance with the Protective Order issued in these proceedings. Please see Attachment 7 for the lease calculation backup. The Company incorrectly identified Stillwater Hydro as lease payments in the initial filing. The Company entered into a Contract of Sale in 1992, separate from the PPA for the Stillwater Hydro facility, to sell a dam, certain lands, and water rights over time with an initial payment at closing and annual payments through 2028. The Company will reclassify the Stillwater rent payments from the 'Plant Leased to Others' line to the 'Other Misc Electric Revenue' line in the Corrections and Updates filing.

2. The lease payments referenced were inadvertently included in the Rate Year forecast. The Company conducted a formal auction process in 2020 to sell the Company's real property interests and improvements in the hydroelectric facility and has executed a Purchase and Sale Agreement with the successful bidder subject to regulatory approvals. The lease will terminate at closing along with the existing Power Purchase Agreement. The Company anticipates filing a petition in the next few weeks seeking Commission

approval to transfer its interests in the hydroelectric facility pursuant to Public Service Law Section 70. The petition will address the disposition of the sale proceeds and the lease payments in arrears. The Company will remove the lease payments from the Rate Year forecast in the Corrections and Updates filing.

Name of Respondent:
Jason Eno

Date of Reply:
September 21, 2020