

November 30, 2020

VIA ELECTRONIC MAIL

Luly E. Massaro, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI 02888

RE: Docket 5076 – 2021-2023 Energy Efficiency Program Plan & 2021 Energy Efficiency Plan Responses to PUC Data Requests – PUC 1-9 Supplemental Revised

Dear Ms. Massaro:

On behalf of The Narragansett Electric Company d/b/a National Grid (“National Grid” or the “Company”), attached, please find the electronic version of the Company’s revised supplemental response to 1-9 which was issued as part of the Public Utilities Commission’s (“PUC”s) First Set of Data Requests in the above-referenced docket.

For background, the Company submitted its response to PUC 1-9 on November 13, 2020. On November 20, 2020, the Company submitted a supplemental response to 1-9. Based on the Company’s review of and response to 4-14, the Company is now filing a revised response to its supplemental response to 1-9. This response is referred to as 1-9 (Supplemental) (Revised). Please see 1-9 (Supplemental) (Revised) for additional information.

Thank you for your attention to this filing. If you have any questions or concerns, please do not hesitate to contact me at 401-784-4263.

Sincerely,



Andrew S. Marcaccio

cc: Docket 5076 Service List
John Bell, Division
Jon Hagopian, Esq.

PUC 1-9 (Supplemental)(Revised)

Request:

Please update E-10 and G-10 with rows showing:

- a. the yearly percentage increases in each budget;
- b. the unemployment rate for RI in January of each year;
- c. the GDP for Rhode Island for each year;
- d. the percentage change in GDP for Rhode Island for each year;
- e. budget amount adjusted to reflect revenue from the upcoming billing period (i.e., exclude over collections and under collections, RGGI funds, capacity market funds, etc.);
- f. the total implementation costs including participant costs.
- g. The spending associated with lighting;
- h. The savings associated with lighting.

Original Response:

See Attachment PUC 1-9-1 and Attachment PUC 1-9-2 for updated Tables E-10 and G-10, respectively, with additional rows in response to subparts a-f.

The Company is still working to provide the information in response to subparts g-h and will supplement this response with that information by November 18, 2020.

Supplemental Response:

See Attachment PUC 1-9-1 (Supplemental) that adds information for parts g and h of the request.

Supplemental Response Revised:

When preparing PUC 4-14 for submission, the Company identified several revisions to be made to PUC 1-9 (Supplemental), Attachment PUC 1-9-1, specific to subparts g-h. No revisions were made to Attachment PUC 1-9-2. See below for the specific revisions made to PUC 1-9 (Supplemental), Attachment PUC 1-9-1 Supplemental.

Values which have been updated are highlighted in green in Attachment PUC 1-9-1 Supplemental (Revised).

2020 values for all lighting energy savings and spending were updated from year to date values in the original Attachment PUC 1-9-1 Supplemental to 2020 planned values in Attachment PUC

PUC 1-9 (Supplemental)(Revised), page 2

1-9-1 Supplemental (Revised) to give the PUC a better view of year to year changes in lighting energy savings and spending values.

C&I Lighting Saving and Spending had four updates. These updates are due to the Company inadvertently omitting or including the below items.

- Historical values now include energy savings and spending associated with custom lighting not included in the original Attachment PUC 1-9-1 (Supplemental).
- Historical values now include spending associated with the upstream lighting subprogram from 2016-2019 not included in the original Attachment PUC 1-9-1 (Supplemental).
- Historical values have removed energy savings from the Small Business Services (Small Business Direct Install) program which had been counted in the C&I Lighting Energy Savings in the original Attachment PUC 1-9-1 (Supplemental).
- 2021 planned energy savings was updated to include savings previously omitted.

Direct Install Lighting Spending historical values from 2015 to 2019 and 2020-2021 planned values were updated to isolate lighting incentive spending and provide a more accurate comparison between historical spending values and planned spending values.

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 5076

Attachment PUC 1-9-1 - Supplemental (Revised)
Table E-10: Rhode Island Electric Energy Efficiency 2003 - 2021 - Expanded
Lighting Spending and Savings

Electric	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Energy Efficiency Budget (\$Million) ⁽¹⁾	\$23.1	\$22.6	\$23.1	\$22.4	\$22.5	\$21.0	\$32.4	\$37.6	\$59.2	\$61.4	\$77.5	\$87.0	\$86.6	\$87.5	\$94.6	\$94.6	\$107.5	\$111.1	\$122.3
Spending Budget (\$Million) ⁽²⁾	\$16.3	\$15.8	\$17.6	\$16.5	\$16.4	\$14.7	\$23.5	\$28.8	\$45.3	\$55.3	\$64.8	\$80.6	\$77.3	\$77.6	\$88.5	\$88.7	\$98.1	\$101.1	\$110.1
Actual Expenditures (\$Million) ⁽³⁾	\$22.8	\$19.5	\$23.4	\$23.7	\$21.9	\$19.2	\$31.7	\$29.7	\$40.0	\$50.7	\$72.9	\$85.3	\$87.4	\$78.4	\$94.8	\$93.0	\$100.7		
Incentive Percentage ⁽¹⁰⁾	4.4%	4.4%	4.4%	4.4%	4.4%	4.4%	4.4%	4.4%	4.4%	4.4%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	N/A
Target Incentive ⁽¹¹⁾	\$712,557	\$781,959	\$774,689	\$726,627	\$723,000	\$647,689	\$1,035,943	\$1,267,043	\$1,992,513	\$2,434,131	\$3,240,747	\$4,032,000	\$3,867,400	\$3,878,087	\$4,425,528	\$4,436,022	\$4,905,009	\$5,054,448	\$5,500,000
Earned Incentive	\$712,557	\$604,876	\$795,648	\$760,623	\$716,075	\$675,282	\$1,085,888	\$1,333,996	\$1,929,273	\$2,469,411	\$2,997,681	\$4,223,321	\$4,533,360	\$4,128,034	\$4,829,847	\$4,940,402	\$3,290,237		
Annual Summer Demand kW Savings Goal Achieved (%)				106%	106%	113%	142%	78%	71%	83%	114%	78%	112%	101%	103%	116%	98%		
Annual MWh Energy Savings Goal Achieved (%)				111%	102%	111%	115%	107%	94%	93%	99%	105%	115%	107%	115%	110%	112%		
Energy Efficiency Program Charge (\$/kWh) ⁽⁷⁾	\$0.00200	\$0.00200	\$0.00200	\$0.00200	\$0.00200	\$0.00200	\$0.00320	\$0.00320	\$0.00526	\$0.00592	\$0.00876	\$0.00911	\$0.00953	\$0.01077	\$0.01124	\$0.00972	\$0.01121	\$0.01323	\$0.01323
Annual Cost to 500 kWh/month Residential Customer w/o tax ⁽⁸⁾	\$12.00	\$12.00	\$12.00	\$12.00	\$12.00	\$12.00	\$19.20	\$19.20	\$31.56	\$35.52	\$52.56	\$54.66	\$57.18	\$64.62	\$67.44	\$58.32	\$67.26	\$79.38	\$79.38
Annual Cost to 500 kWh/month Residential Customer w/ tax ⁽⁸⁾	\$12.50	\$12.50	\$12.50	\$12.50	\$12.50	\$12.50	\$20.00	\$20.00	\$32.88	\$37.00	\$54.75	\$56.94	\$59.56	\$67.31	\$70.25	\$60.75	\$70.06	\$82.69	\$82.69
Yearly Percentage Change in Energy Efficiency Budget	-	-2%	2%	-3%	0%	-7%	54%	16%	57%	4%	26%	12%	0%	1%	8%	0%	14%	3%	10%
RI Unemployment Rate ⁽²⁾	5.3%	5.3%	5.0%	5.1%	4.7%	6.2%	10.1%	11.1%	11.0%	11.2%	9.5%	8.8%	6.6%	5.4%	4.5%	4.3%	3.7%	3.4%	N/A
RI GDP (\$Million) ⁽¹³⁾	\$49,348	\$51,554	\$52,286	\$53,492	\$51,994	\$50,412	\$50,217	\$51,365	\$51,263	\$51,679	\$52,006	\$52,958	\$53,030	\$52,728	\$53,136	\$53,668	\$0	\$0	\$0
Yearly Percentage Change in RI GDP	-	4.5%	1.4%	2.3%	-2.8%	-3.0%	-0.4%	2.3%	-0.2%	0.7%	0.1%	0.6%	1.8%	0.1%	-0.6%	0.8%	1.0%	-	-
Adjusted Spending Budget (\$Million) ⁽⁴⁾		\$15.8	\$15.8	\$16.9	\$16.1	\$15.8	\$31.9	\$24.2	\$45.9	\$45.9	\$67.7	\$70.0	\$71.9	\$81.0	\$83.2	\$57.6	\$80.9	\$91.9	\$86.3
Actual Implementation Costs (\$Million) ⁽⁵⁾	\$16.0	\$14.8	\$16.3	\$17.4	\$16.4	\$14.9	\$39.5	\$32.6	\$42.8	\$59.4	\$79.9	\$112.1	\$126.8	\$104.2	\$126.1	\$118.6	\$138.8		
C&I Lighting Savings (Net Annual kWh)	14,471,981	12,854,156	18,650,857	26,277,192	19,523,875	16,212,258	25,436,101	18,485,991	18,169,664	41,646,494	36,718,569	43,019,614	46,241,037	52,757,796	62,012,051	71,574,073	57,623,720	52,189,343	52,442,478
C&I Lighting Spending (\$Million) ⁽⁶⁾	\$2.4	\$2.2	\$2.5	\$3.2	\$2.3	\$1.6	\$5.2	\$2.6	\$2.7	\$5.1	\$2.4	\$4.0	\$6.9	\$12.4	\$15.5	\$15.2	\$18.2	\$11.6	\$20.8
Small Business Services Lighting Savings (Net Annual kWh)	4,625,894	3,956,495	6,854,926	8,454,478	7,751,097	6,864,894	8,550,657	11,587,022	15,536,965	17,872,029	19,113,761	15,555,294	14,690,560	11,781,376	12,165,895	9,855,718	12,055,777	10,941,009	9,067,810
Small Business Services Lighting Spending (\$Million) ⁽⁷⁾	\$2.1	\$2.0	\$3.0	\$3.7	\$3.7	\$3.2	\$3.2	\$4.9	\$7.0	\$8.4	\$9.0	\$8.6	\$10.0	\$6.6	\$7.7	\$5.7	\$7.6	\$5.7	\$7.3
Res Lighting Savings (Net Annual kWh)	14,901,317	12,925,382	23,155,300	16,076,132	17,885,039	12,583,507	19,871,307	14,292,368	17,460,436	22,533,027	31,333,521	30,667,769	41,244,664	58,080,352	60,992,505	54,211,090	51,665,012	38,092,693	17,054,961
Res Lighting Spending (\$Million) ⁽⁸⁾	\$1.2	\$1.0	\$1.2	\$0.8	\$0.8	\$0.6	\$1.0	\$1.5	\$2.0	\$3.7	\$5.1	\$5.4	\$6.9	\$7.7	\$9.0	\$10.7	\$13.6	\$15.4	\$5.3
Direct Install Lighting Savings (Net Annual kWh)					2,729,275	1,688,020	2,421,434	1,984,013	2,113,774	6,930,617	15,457,275	23,040,603	31,478,341	21,363,138	13,531,756	10,956,775	8,751,222	6,591,062	3,487,441
Direct Install Lighting Spending (\$Million) ⁽⁹⁾					\$2.2	\$1.4	\$2.7	\$1.6	\$2.1	\$6.0	\$12.9	\$15.2	\$15.4	\$7.0	\$4.8	\$3.4	\$4.4	\$1.8	\$2.8

Notes:

- (1) Energy Efficiency Budget includes total expenditures and commitments. Includes all demand side management program-related expenses, including rebates, administration and general expenses, evaluation, commitments for future years and Company incentive.
- (2) Prior to 2017, Spending Budget Eligible for Shareholder Incentive includes: Implementation, Administration, General, and Evaluation Expenses; excludes EERMC and OER Costs, Commitments, Copays, and Outside Finance Costs. Beginning in 2017, Outside Finance Costs were also included. Beginning in 2018 Pilot expenses were also excluded.
- (3) Actual Expenditures is actual spend during calendar year. Includes expenditures and commitments. Includes all demand side management program-related expenses, including rebates, administration and general expenses, evaluation, commitments for future years and Company incentive.
- (4) In the Company's gas and electric rate cases in docket 4323, the PUC approved the uncollectibles gross-up in the electric EE Program Charge effective February 1, 2013, and a new rate applicable to the gross-up of the gas EE Program Charge, effective February 1, 2013.
- (5) 2020 values are planned. 2020 values for rows C&I Lighting Savings (Net Annual kWh) through Direct Install Lighting Spending (\$Million) are year-to-date through October, 2020.
- (6) 2021 values are proposed from the 2021 Annual Plan.
- (7) Beginning in 2012, the EE Program Charge includes the System Reliability Factor. It does not include the \$0.0003 renewables per RI General Laws §39-2-1.2 and Order #19608, which appears on customer bills.
- (8) Reflects the annual cost excluding Gross Earnings Tax.
- (9) Reflects the annual cost including Gross Earnings Tax.
- (10) Incentive percentage not applicable for 2021 due to new performance incentive mechanism developed for the 2021 Annual Plan. See Section 12 of the Main Text of the 2021 Annual Plan for additional details.
- (11) Target incentive is calculated in the same way as in 2020 in order to provide a more accurate estimate of the energy efficiency surcharge.
- (12) <https://www.bls.gov/web/laus/launstrk.htm>, accessed on 11/11/2020. Rate shown is the rate in January of that year.
- (13) <https://apps.bea.gov/itable/?Table=fn?ReqID=70&step=1>, accessed on 11/11/2020. Real GDP is in millions of chained 2012 dollars. Calculations are performed on unrounded data. Chained (2012) dollar series are calculated as the product of the chain-type quantity index and the 2012 current-dollar value of the corresponding series, divided by 100.
- (14) Spending budget adjusted to reflect revenue from the upcoming billing period
- (15) Implementation costs including participant costs. Participant cost not included in reporting prior to 2009. Source file for 2003 Annual Spending Budget Unavailable.
- (16) C&I Lighting Spending is incentive spending only. For 2012 - 2015 C&I upstream lighting costs are not included in spending totals. 2020 values are planned but exclude custom lighting energy savings and costs because custom lighting savings and costs were not broken out from overall custom measures in planning until 2021
- (17) Small Business Services Lighting Spending is based on Year End \$/annual kWh to estimate spending. For planned totals spending is incentive spending only.
- (18) Res Lighting Spending includes incentives and programmatic implementation costs.
- (19) Direct Install Lighting Spending is based on Year End \$/annual kWh to estimate spending from 2007 - 2014. This includes lighting from EnergyWise, Multifamily, Income Eligible Services, Income Eligible Multifamily, and Residential New Construction. For 2015 - 2019, an estimated \$/kWh for incentives from applicable measures was used. 2020-2021, spending is total incentive spending only, and estimated \$/kWh for incentives from applicable measures was used.