

January 29, 2021

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 Compliance Filing Pursuant to December 22, 2020 Open Meeting

Dear Ms. Massaro:

On behalf of The Narragansett Electric Company d/b/a National Grid (“National Grid” or the “Company”), enclosed, please find the Company’s compliance filing which is being submitted in accordance with the Commission’s directives as set forth at an Open Meeting on December 22, 2020.

This compliance filing includes updates to the Company’s 2021-2023 Energy Efficiency and Conservation Procurement Plan (“Three-Year Plan”). Specifically, the Company has provided updated illustrative implementation budgets for Years 2 and 3 (2022 and 2023) and updated goals, targets, and proposed energy efficiency rates for Years 2 and 3. The updates are reflected through updated tables within the following sections of the Three-Year Plan: Three-Year Plan Attachment 1 entitled Energy Efficiency Funding Plans and Three-Year Plan Attachment 2 entitled Program Level Benefit Cost Summary.

The updated tables within the enclosed compliance filing are consistent with the Commission’s directive to approve illustrative budgets for Years 2 and 3 for both electric and gas that reflect a 5% budget increase over 2021 for Year 2 and then another 5% over 2022 for Year 3.

The result of these updates is a decrease in the illustrative overall electric budget from Year 2 (2022 Base Case) of \$13,242,727 and a decrease in the illustrative overall gas budget from Year 2 (2022 Base Case) of \$4,115,734. Additionally, there is a decrease in the illustrative overall electric budget from Year 3 (2023 Base Case) of \$19,648,919 and a decrease in the illustrative overall gas budget from Year 3 (2023 Base Case) of \$9,247,776.

As a result of the reduced illustrative electric budgets, the illustrative 2022 Electric Energy Efficiency Program Charge is \$0.01616/kWh and the illustrative 2023 Electric Energy Efficiency Program Charge is \$0.01726/kWh, representing a 10.9% and 14.3% decrease, respectively, from the illustrative base case rates contained within the Company’s Three-Year Plan as initially filed on October 15, 2020.

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As a result of the reduced illustrative gas budgets, the illustrative 2022 Gas Energy Efficiency Residential Program Charge is \$1.109/Dth and the illustrative 2023 Gas Energy Efficiency Residential Program Charge is \$1.131/Dth, representing a 10.1% and 19.4% decrease, respectively, from the illustrative base case rates contained within the Company's Three-Year Plan as initially filed on October 15, 2020.

As a result of the reduced illustrative gas budgets, the illustrative 2022 Gas Energy Efficiency Commercial & Industrial Program Charge is \$0.773/Dth and the illustrative 2023 Gas Energy Efficiency Commercial & Industrial Program Charge is \$0.787/Dth, representing a 10.0% and 19.4% decrease, respectively, from the illustrative base case rates contained within the Company's Three-Year Plan as initially filed on October 15, 2020.

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,

A handwritten signature in blue ink, appearing to read "Andrew S. Marcaccio".

Andrew S. Marcaccio

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

Three-Year Plan Attachment 1. Energy Efficiency Funding Plans

Attachment 1 Table 1. 2021 – 2023 Electric Funding Plan

2021-2023 Energy Efficiency Plan: Electric Funding Plan Base Case						
PART A: TOTAL FUNDING AND GOALS		2020	2021	2022	2023	Three Year Total
1)	Projected kWh Sales:	7,113,299,305	6,856,927,553	6,774,853,822	6,960,791,359	
2)	2019 Effective EE Charge	\$0.01121	\$0.01121	\$0.01121	\$0.01121	
3)	Projected DSM Revenues from DSM Charge = (1) x (2)	\$79,740,085	\$76,866,158	\$75,946,111	\$78,030,471	\$230,842,740
4)	<u>Other Sources of DSM Funding</u>					
4a)	Projected Commitments from prior year	\$-	\$-	\$-	\$-	\$-
4b)	Projected Entering Fund Balance and Interest:	\$1,699,941	\$25,345,623	\$-	\$-	\$25,345,623
4c)	Projected Capacity FCM Payments from ISO-NE:	\$17,481,764	\$16,017,995	\$14,547,606	\$10,082,947	\$40,648,549
4d)	Projected RGGI Proceeds					
4)	Subtotal Other Sources of DSM Funding	\$19,181,704	\$41,363,619	\$14,547,606	\$10,082,947	\$65,994,172
5)	Projected Funding Available from Traditional Sources = (3) + (4)	\$98,921,790	\$118,229,777	\$90,493,718	\$88,113,418	\$296,836,913
6)	Implementation Budget	\$104,242,086	\$109,809,329	\$115,007,254	\$120,930,807	\$345,747,389
7)	<u>Other Expenses</u>					
7a)	Estimated Commitments to Future Years	\$-	\$-	\$-	\$-	\$-
7b)	Target Incentive	\$5,054,448	\$5,500,000	\$5,500,000	\$5,500,000	\$16,500,000
7c)	EERMC Expenses	\$893,686	\$738,505	\$1,058,977	\$1,162,396	\$2,959,879
7d)	OER Expenses	\$893,686	\$738,505	\$1,058,977	\$1,162,396	\$2,959,879
7)	Subtotal Additions to Program Expenses	\$6,841,821	\$6,977,010	\$7,617,955	\$7,824,793	\$22,419,757
8)	Other Budget Requests	\$-	\$-	\$-	\$-	\$-
9)	Total Funding Required = (6) + (7) + (8)	\$111,083,907	\$116,786,338	\$122,625,209	\$128,755,600	\$368,167,147
Line	Notes:					
1	2021 forecast from 2021 Annual Plan Compliance Filing, Dec 22, 2020. http://www.ripuc.ri.gov/eventsactions/docket/5076-NGrid-EE-ComplianceFiling%20(12-22-2020).pdf ; Table E-1. 2022 and 2023 forecasts from Company sales forecast (Fall 2020). Forecasts include streetlights.					
2	2019 EE Charge includes uncollectable recovery and System Reliability factor. See Line 13, Table E-1, December 23, 2019 Compliance Filing in Docket 4979 (2020 EE Plan). http://www.ripuc.ri.gov/eventsactions/docket/4979-NGrid-Compliance-RevElecTables(12-20-19).pdf ; An additional \$0.00030/kwh for the Renewable Energy Fund charge is combined with the EE and SRP charge that appears on customers' bills.					
4a	There are no commitments planned at this time.					
4b	Projected Entering Fund Balance source is the projected 2019 Year-End Fund Balance as included in the 2020 Annual Plan. Year 2021 Fund Balance source is the projected 2020 Year-End Balance as included in the 2021 Annual Plan. 2022 and 2023 assume no Year-End Fund Balance.					
4c	FCM Payments based on internal estimates.					
6	Program expenses include implementation and evaluation expenses and RIIB funding. They do not include OER, EERMC, or target performance incentives.					
7b	2020 Target incentive is equal to 5% of eligible spending budget, which excludes OER, EERMC, Commercial ConnectedSolutions, Residential ConnectedSolutions, Assessments, and Pilots. Refer to 2020 EE Plan Tables E-2, E-3, and E-9. 2021 performance incentive is based on the proposed value for the 2021 Annual Plan, Tables E-2, E-3, and E-9. The Company anticipates that future performance incentive values will be established in the context of setting binding budgets and energy savings goals for the 2022 and 2023 Annual Plans.					
7c	EERMC Expenses equal to 2% of total collections from customers' Energy Efficiency Program Charge, reduced by 1%.					
7d	OER Expenses equal to 2% of total collections from customers' Energy Efficiency Program Charge, reduced by 1%.					

2021-2023 Energy Efficiency Plan: Electric Funding Plan (continued)						
PART B: FULLY RECONCILING FUNDING		2020	2021	2022	2023	Three Year Total
10)	Projected Funding Available = (5)	\$98,921,790	\$118,229,777	\$90,493,718	\$88,113,418	\$296,836,913
11)	Fully Reconciling funding needed from additional source = (8) - (9)	\$12,162,118	\$(1,443,439)	\$32,131,491	\$40,642,182	\$71,330,234
12)	Fully Reconciling funding charge per kWh = (11) / (1)	\$0.00170	\$(0.00022)	\$0.00474	\$0.00583	
13)	Currently Effective EE Charge = (2)	\$0.01121	\$0.01121	\$0.01121	\$0.01121	
14)	Proposed Adjustment to Reflect Fully Reconciling Funding Mechanism = (12) + (13)	\$0.01291	\$0.01099	\$0.01595	\$0.01704	
15)	Proposed SRP Opex Factor per kWh, excluding uncollectible recovery:	\$0.00015	\$-	\$-	\$-	
16)	Currently Effective Uncollectible Rate	1.30%	1.30%	1.30%	1.30%	
17)	Proposed Energy Efficiency Program charge per kWh, including uncollectible recovery = (14)+(15) / (1-(16))	\$0.01323	\$0.01113	\$0.01616	\$0.01726	
PART C: Plan TARGETS AND COST/LIFETIME kWh						
18)	Plan Goal, Annual Net MWh	178,423	138,256	129,302	131,873	399,431
19)	Plan Goal, Net Lifetime MWh	1,527,817	1,290,462	1,379,789	1,333,218	4,003,468
20a)	Plan Goal, Annual Net Peak kW Savings (passive)	29,793	22,621	18,929	21,219	62,769
20b)	Plan Goal, Annual Net Peak kW Savings (active)	50,672	39,031	45,191	50,504	134,726
RI Test						
21a)	Total benefits	\$598,696,281	\$595,651,326	\$564,810,142	\$646,450,249	\$1,806,911,717
22a)	Net benefits = (21a) - (9)	\$487,612,373	\$478,864,988	\$442,184,934	\$517,694,649	\$1,438,744,570
23)	Customer Costs	\$17,398,102	\$18,343,428	\$20,920,759	\$22,102,270	\$61,366,458
24a)	Cost/lifetime kWh = ((9) + (23) - (7b)) / (19)*1000	\$0.081	\$0.100	\$0.100	\$0.109	\$0.103
25a)	Benefit Cost Ratio = (21a) / ((9) + (23))	4.66	4.41	3.93	4.29	4.21
26a)	Utility Spending per lifetime kWh = ((6)+(7b)) / (19)) / 1000	\$0.072	\$0.089	\$0.087	\$0.095	\$0.090
TRC Test						
21b)	Total benefits	\$318,877,305	\$270,573,047	\$255,114,278	\$292,327,206	\$818,014,531
22b)	Net benefits = (21b) - (9)	\$207,793,398	\$153,786,709	\$132,489,069	\$163,571,606	\$449,847,384
23)	Customer Costs	\$17,398,102	\$18,343,428	\$20,920,759	\$22,102,270	\$61,366,458
24b)	Cost/lifetime kWh = ((9) + (23) - (7b)) / (19)*1000	\$0.081	\$0.100	\$0.100	\$0.109	\$0.103
25b)	Benefit Cost Ratio = (21b) / ((9) + (23))	2.48	2.00	1.78	1.94	1.90
26b)	Utility Spending per lifetime kWh = ((6)+(7b)) / (19)) / 1000	\$0.072	\$0.089	\$0.087	\$0.095	\$0.090
Line	Notes:					
21-26	21-26a reflects benefit/cost using the RI Test and 21-26b reflects benefit/cost using the TRC Test. Benefits and Costs are Inclusive of savings from the ConnectedSolutions active demand response program.					

Attachment 1 Table 2. 2021 – 2023 Natural Gas Funding Plan

2021-2023 Energy Efficiency Plan: Gas Funding Plan						
PART A: TOTAL FUNDING AND GOALS		2020	2021	2022	2023	Three Year Total
1)	Projected Dth Volume:	42,171,352	38,608,003	39,981,521	41,201,369	
2)	2019 Effective EE Charge	\$0.601	\$0.601	\$0.601	\$0.601	
3)	Projected DSM Revenues from DSM Charge = (1) x (2)	\$25,347,328	\$23,205,557	\$24,031,118	\$24,764,314	\$72,000,990
4)	<u>Other Sources of DSM Funding</u>					
4a)	Projected Commitments from prior year	\$ -	\$-	\$-	\$-	\$-
4b)	Projected Entering Fund Balance and Interest:	\$ (1,143,360)	\$6,894,014	\$-	\$-	\$6,894,014
4c)	Low Income Weatherization in Base Rates	\$200,000	\$-	\$-	\$-	\$-
4)	Subtotal Other Sources of DSM Funding	\$(943,360)	\$6,894,014	\$-	\$-	\$6,894,014
5)	Projected Funding Available from Traditional Sources = (3) + (4)	\$24,403,969	\$30,099,571	\$24,031,118	\$24,764,314	\$78,895,003
6)	Implementation Budget	\$32,048,029	\$32,725,067	\$34,304,064	\$36,103,773	\$103,132,904
7)	Other Expenses	\$ -				
7a)	Estimated Commitments to Future Years	\$ -	\$-	\$-	\$-	\$-
7b)	Target Incentive	\$1,578,601	\$1,700,000	\$1,700,000	\$1,700,000	\$5,100,000
7c)	EERMC Expenses	\$361,206	\$275,067	\$359,690	\$377,528	\$1,012,284
7d)	OER Expenses	\$361,206	\$275,067	\$359,690	\$377,528	\$1,012,284
7)	Subtotal Additions to Program Expenses	\$2,301,013	\$2,250,133	\$2,419,380	\$2,455,056	\$7,124,569
8)	Total Funding Required = (6) + (7)	\$34,349,042	\$34,975,200	\$36,723,443	\$38,558,829	\$110,257,473
Line	Notes:					
1	From the Company's Q2 2020 Gas Forecast. Includes projections for firm and non-firm customers, excludes exempt DG customers. For exempt DG customers, 2021 exemption volume assumed for 2022 - 2023.					
2	The Currently Effective Average Charge is illustrated as one charge, shared among residential and commercial customers. The charge is separated into separate charges by customer segment on lines 15a and 15b.					
4a	There are no commitments planned at this time.					
4b	Projected Entering Fund Balance source is the projected 2019 Year-End Fund Balance as included in the 2020 Annual Plan, See Line 2, Table G-1, December 2, 2019 Compliance Filing in Docket 4979 (2020 EE Plan) http://www.ripuc.ri.gov/eventsactions/docket/4979-NGrid-2020-EEPP-E-1 & G-1 Tables (12-2-19).pdf . Year 2021 Fund Balance source is the projected 2020 Year-End Balance as included in the 2021 Annual Plan. 2022 and 2023 assume no Year-End Fund Balance.					
7b	2020 Target incentive is equal to 5% of eligible spending budget, which excludes OER, EERMC, Assessments, and Pilots. Refer to 2020 EE Plan Tables G-2, G-3, and G-9. 2021 performance incentive is based on the proposed value for the 2021 Annual Plan, Tables G-2, G-3, and G-9. The Company anticipates that future performance incentive values will be established in the context of setting binding budgets and energy savings goals for the 2022 and 2023 Annual Plans.					
7c	EERMC Expenses equal to 2% of total collections from customers' Energy Efficiency Program Charge, reduced by 1%.					
7d	OER Expenses equal to 2% of total collections from customers' Energy Efficiency Program Charge, reduced by 1%.					

2021-2023 Energy Efficiency Plan: Gas Funding Plan (continued)						
PART B: POTENTIAL INCREMENTAL FUNDING NEEDED		2020	2021	2022	2023	Three Year Total
9)	Projected Funding Available = (5)	\$24,403,969	\$30,099,571	\$24,031,118	\$24,764,314	\$78,895,003
10)	Fully Reconciling funding needed from additional source = (8) - (9)	\$9,945,073	\$4,875,630	\$12,692,325	\$13,794,515	\$31,362,469
11)	Fully Reconciling funding charge per Dth = (10) / (1)	\$0.235	\$0.126	\$0.317	\$0.334	
12)	Currently Effective Average EE Charge = (2)	<u>\$0.601</u>	\$0.601	\$0.601	\$0.601	
13)	Proposed Adjustment to Reflect Fully Reconciling Funding Mechanism = (11) + (12)	\$0.836	\$0.727	\$0.918	\$0.935	
14)	Currently Effective Uncollectible Rate	<u>1.91%</u>	1.91%	1.91%	1.91%	
15)	Proposed Average Energy Efficiency Program charge per Dth including uncollectible recovery = (13) / (1-(14))	\$0.852	\$0.741	\$0.935	\$0.953	
15a)	Proposed Residential Energy Efficiency Program charge per Dth including uncollectible recovery	\$1.011	\$0.871	\$1.109	\$1.131	
15b)	Proposed Commercial & Industrial Energy Efficiency Program charge per Dth including uncollectible recovery	\$0.704	\$0.596	\$0.773	\$0.787	
PART C: PLAN TARGETS AND COST/LIFETIME Dth						
16)	Plan Goal, Annual Dth	446,621	419,537	427,504	440,421	1,287,462
17)	Plan Goal, Lifetime Dth	4,816,261	4,072,084	4,278,262	4,447,108	12,797,454
RI Test						
18a)	Total benefits	\$143,440,133	\$137,810,692	\$144,538,274	\$151,000,725	\$433,349,690
19a)	Net benefits = (18a) - (8)	\$109,091,091	\$102,835,491	\$107,814,831	\$112,441,896	\$323,092,218
20)	Customer Costs	\$9,225,261	\$9,626,192	\$10,041,665	\$10,402,391	\$30,070,248
21a)	Cost/lifetime Dth = ((8) + (20)-(7b)) / (17)	\$8.72	\$10.54	\$10.53	\$10.63	\$10.57
22a)	Benefit-Cost Ratio = (18a) / (8) + (20)	3.29	3.09	3.09	3.08	3.09
23a)	Utility Spending per lifetime Dth = ((6)+(7b)) / (17)	\$6.98	\$8.45	\$8.42	\$8.50	\$8.46
TRC Test						
18b)	Total benefits	\$79,694,604	\$74,970,757	\$78,895,527	\$82,399,756	\$236,266,040
19b)	Net benefits = (18) - (8)	\$45,345,562	\$39,995,557	\$42,172,084	\$43,840,927	\$126,008,567
20)	Customer Costs	\$9,225,261	\$9,626,192	\$10,041,665	\$10,402,391	\$30,070,248
21b)	Cost/lifetime Dth = ((8) + (20)-(7b)) / (17)	\$8.72	\$10.54	\$10.53	\$10.63	\$10.57
22b)	Benefit-Cost Ratio = (18b) / (8) + (20)	1.83	1.68	1.69	1.68	1.68
23b)	Utility Spending per lifetime Dth = ((6)+(7b)) / (17)	\$6.98	\$8.45	\$8.42	\$8.50	\$8.46
Line	Notes:					
15a & 15b	3YP is projected at a portfolio level therefore the split between residential and C&I charges is based of 2021 Annual Plan and will be updated in subsequent Annual Plans.					
21-26	21-26a reflects benefit/cost using the RI Test and 21-26b reflects benefit/cost using the TRC Test.					

Three-Year Plan Attachment 2. Program Level Benefit Cost Summary

Attachment 2 Table 1. 2021 Electric Programs Benefit Cost Summary

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

2021 RHODE ISLAND BENEFIT COST TEST

Summary of Benefit, Expenses, Evaluation Costs (\$000)

	Rhode Island Benefit/ Cost	Total Benefit	Program Implementation Expenses	Customer Contribution	Shareholder Incentive
Large Commercial & Industrial					
Large Commercial New Construction	6.35	\$57,678.8	\$8,188.17	\$893.1	
Large Commercial Retrofit	7.54	\$327,029.8	\$31,565.24	\$11,821.8	
Small Business Direct Install	3.35	\$36,190.8	\$8,883.56	\$1,922.8	
Commercial ConnectedSolutions	9.85	\$29,465.0	\$2,990.11	\$0.0	
Community Based Initiatives - C&I			\$74.53		
Commercial Pilots			\$0.00		
Finance Costs			\$5,000.00		
Commercial Workforce Development			\$0.00		
C&I SUBTOTAL	6.10	\$450,364.4	\$56,701.6	\$14,637.7	\$2,475.0
Income Eligible					
Income Eligible Single Family	2.66	\$34,193.5	\$12,846.08	\$0.0	
Income Eligible Multi Family	1.93	\$6,861.6	\$3,548.98	\$0.0	
Income Eligible Workforce Development			\$0.00		
Income Eligible Residential SUBTOTAL	2.35	\$41,055.1	\$16,395.1	\$0.0	\$1,100.0
Residential Programs					
Residential New Construction	2.65	\$6,539.1	\$1,611.34	\$855.7	
ENERGY STAR® HVAC	2.77	\$13,306.5	\$3,487.80	\$1,311.6	
EnergyWise	1.91	\$31,315.6	\$15,692.15	\$698.1	
Multi Family	2.35	\$7,847.9	\$2,804.29	\$532.0	
Home Energy Reports	3.23	\$8,530.8	\$2,641.68	\$0.0	
ENERGY STAR® Lighting	3.29	\$14,018.2	\$5,274.75	-\$1,012.9	
Residential Consumer Products	2.84	\$11,372.7	\$2,681.24	\$1,321.2	
Residential ConnectedSolutions	5.88	\$11,301.0	\$1,920.53	\$0.0	
Energy Efficiency Education			\$40.00		
Community Based Initiatives - Residential			\$226.16		
Residential Pilots			\$0.00		
Comprehensive Marketing - Residential			\$332.71		
Residential Workforce Development			\$0.00		
Non-Income Eligible Residential SUBTOTAL	2.46	\$104,231.8	\$36,712.7	\$3,705.7	\$1,925.0
OER			\$738.50		
EERMC			\$738.50		
TOTAL	4.41	\$595,651.3	\$111,286.3	\$18,343.4	\$5,500.0

Attachment 2 Table 2. 2022 Electric Programs Benefit Cost Summary

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

2022 RHODE ISLAND BENEFIT COST TEST
Summary of Benefit, Expenses, Evaluation Costs (\$000)

	Rhode Island Benefit/ Cost	Total Benefit	Program Implementation Expenses	Customer Contribution	Illustrative Shareholder Incentive
Large Commercial & Industrial					
Large Commercial New Construction	5.96	\$51,144.1	\$7,749.4	\$836.6	
Large Commercial Retrofit	5.75	\$299,713.8	\$38,463.6	\$13,679.6	
Small Business Direct Install	3.47	\$35,121.2	\$8,357.0	\$1,758.7	
Commercial ConnectedSolutions	9.87	\$35,012.6	\$3,548.6	\$0.0	
Community Based Initiatives - C&I			\$85.0		
Commercial Pilots			\$0.0		
Finance Costs			\$5,000.0		
Commercial Workforce Development			\$0.0		
C&I SUBTOTAL	5.14	\$420,991.6	\$63,203.6	\$16,274.9	\$2,475.0
Income Eligible					
Income Eligible Single Family	2.64	\$36,207.5	\$13,716.2	\$0.0	
Income Eligible Multi Family	1.91	\$6,845.0	\$3,578.2	\$0.0	
Income Eligible Workforce Development			\$0.0		
Income Eligible Residential SUBTOTAL	2.34	\$43,052.4	\$17,294.4	\$0.0	\$1,100.0
Residential Programs					
Residential New Construction	2.83	\$6,505.4	\$1,488.6	\$812.8	
ENERGY STAR® HVAC	2.83	\$16,199.0	\$4,294.7	\$1,430.3	
EnergyWise	1.92	\$33,427.8	\$16,864.3	\$530.6	
Multi Family	2.22	\$8,448.5	\$3,280.8	\$532.0	
Home Energy Reports	3.19	\$8,360.4	\$2,624.1	\$0.0	
ENERGY STAR® Lighting	N/A	\$0.0	\$0.0	\$0.0	
Residential Consumer Products	2.87	\$12,065.0	\$2,859.2	\$1,340.1	
Residential ConnectedSolutions	6.43	\$15,760.0	\$2,451.2	\$0.0	
Energy Efficiency Education			\$40.0		
Community Based Initiatives - Residential			\$257.5		
Residential Pilots			\$0.0		
Comprehensive Marketing - Residential			\$349.0		
Residential Workforce Development			\$0.0		
Non-Income Eligible Residential SUBTOTAL	2.45	\$100,766.1	\$34,509.3	\$4,645.8	\$1,925.0
OER			\$1,059.0		
EERMC			\$1,059.0		
TOTAL	3.93	\$564,810.1	\$117,125.2	\$20,920.8	\$5,500.0

Attachment 2 Table 3. 2023 Electric Programs Benefit Cost Summary

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

2023 RHODE ISLAND BENEFIT COST TEST
Summary of Benefit, Expenses, Evaluation Costs (\$000)

	Rhode Island Benefit/ Cost	Total Benefit	Program Implementation Expenses	Customer Contribution	Illustrative Shareholder Incentive
Large Commercial & Industrial					
Large Commercial New Construction	6.00	\$57,793.5	\$8,628.9	\$1,004.6	
Large Commercial Retrofit	6.95	\$350,261.7	\$36,343.8	\$14,062.5	
Small Business Direct Install	3.48	\$37,614.4	\$8,932.1	\$1,883.8	
Commercial ConnectedSolutions	9.79	\$40,480.3	\$4,133.7	\$0.0	
Community Based Initiatives - C&I			\$93.5		
Commercial Pilots			\$0.0		
Finance Costs			\$5,000.0		
Commercial Workforce Development			\$0.0		
C&I SUBTOTAL	5.89	\$486,149.8	\$63,132.0	\$16,950.8	\$2,475.0
Income Eligible					
Income Eligible Single Family	2.68	\$40,722.0	\$15,212.3	\$0.0	
Income Eligible Multi Family	1.81	\$7,215.9	\$3,986.4	\$0.0	
Income Eligible Workforce Development			\$0.0		
Income Eligible Residential SUBTOTAL	2.36	\$47,937.9	\$19,198.7	\$0.0	\$1,100.0
Residential Programs					
Residential New Construction	2.88	\$7,016.8	\$1,572.3	\$860.2	
ENERGY STAR® HVAC	2.86	\$17,704.3	\$4,614.8	\$1,573.3	
EnergyWise	1.91	\$38,699.8	\$19,606.2	\$695.7	
Multi Family	2.16	\$8,478.2	\$3,384.5	\$532.0	
Home Energy Reports	3.18	\$8,349.1	\$2,624.1	\$0.0	
ENERGY STAR® Lighting	N/A	\$0.0	\$0.0	\$0.0	
Residential Consumer Products	2.87	\$13,534.3	\$3,221.5	\$1,490.2	
Residential ConnectedSolutions	6.43	\$18,580.0	\$2,887.8	\$0.0	
Energy Efficiency Education			\$40.0		
Community Based Initiatives - Residential			\$283.0		
Residential Pilots			\$0.0		
Comprehensive Marketing - Residential			\$366.0		
Residential Workforce Development			\$0.0		
Non-Income Eligible Residential SUBTOTAL	2.46	\$112,362.6	\$38,600.1	\$5,151.5	\$1,925.0
OER			\$1,162.4		
EERMC			\$1,162.4		
TOTAL	4.29	\$646,450.2	\$123,255.6	\$22,102.3	\$5,500.0

Attachment 2 Table 4. 2021 Natural Gas Programs Benefit Cost Summary

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

2021 RHODE ISLAND BENEFIT COST TEST
Summary of Benefit, Expenses, Evaluation Costs (\$000)

	Rhode Island Benefit/ Cost	Total Benefit	Program Implementation Expenses	Customer Contribution	Shareholder Incentive
Large Commercial & Industrial					
Large Commercial New Construction	5.03	\$12,422.2	\$2,634.2	-\$166.4	
Large Commercial Retrofit	5.30	\$44,777.8	\$5,054.1	\$3,387.0	
Small Business Direct Install	3.83	\$1,539.9	\$332.7	\$69.4	
Commercial & Industrial Multifamily	4.75	\$4,922.8	\$953.2	\$84.0	
Comprehensive Marketing - Commercial and Industrial			\$0.0		
Commercial Pilots			\$215.8		
Community Based Initiatives - C&I			\$24.8		
Finance Costs			\$0.0		
Commercial Workforce Development			\$0.0		
Commercial & Industrial Subtotal	4.80	\$63,662.7	\$9,214.8	\$3,374.0	\$680.0
Income Eligible Programs					
Single Family - Income Eligible Services	2.96	\$17,598.3	\$5,952.3	\$0.0	
Income Eligible Multifamily	4.24	\$12,749.9	\$3,009.4	\$0.0	
Income Eligible Workforce Development			\$0.0		
Income Eligible Residential Subtotal	3.23	\$30,348.1	\$8,961.8	\$0.0	\$425.0
Residential Programs					
Energy Star® HVAC	1.66	\$13,615.7	\$3,673.0	\$4,539.3	
EnergyWise	2.08	\$18,350.6	\$8,117.6	\$697.9	
EnergyWise Multifamily	4.70	\$8,630.2	\$1,491.6	\$344.0	
Home Energy Reports	4.05	\$1,825.1	\$450.9	\$0.0	
Residential New Construction	1.02	\$1,378.3	\$674.8	\$670.9	
Comprehensive Marketing - Residential			\$64.8		
Residential Pilots			\$0.0		
Community Based Initiatives - Residential			\$75.8		
Residential Workforce Development			\$0.0		
Non-Income Eligible Residential Subtotal	2.05	\$43,799.9	\$14,548.5	\$6,252.2	\$595.0
EERMC			\$275.1		
OER			\$275.1		
Grand Total	3.09	\$137,810.7	\$33,275.2	\$9,626.2	\$1,700.0

Attachment 2 Table 5. 2022 Natural Gas Programs Benefit Cost Summary

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

2022 RHODE ISLAND BENEFIT COST TEST

Summary of Benefit, Expenses, Evaluation Costs (\$000)

	Rhode Island Benefit/ Cost	Total Benefit	Program Implementation Expenses	Customer Contribution	Illustrative Shareholder Incentive
Large Commercial & Industrial					
Large Commercial New Construction	5.08	\$13,059.9	\$2,736.2	-\$167.6	
Large Commercial Retrofit	5.56	\$47,434.1	\$5,150.9	\$3,383.9	
Small Business Direct Install	3.15	\$1,416.7	\$379.3	\$71.0	
Commercial & Industrial Multifamily	4.55	\$5,076.7	\$1,032.1	\$84.0	
Comprehensive Marketing - Commercial and Industrial			\$0.0		
Commercial Pilots			\$219.0		
Community Based Initiatives - C&I			\$28.3		
Finance Costs			\$0.0		
Commercial Workforce Development			\$0.0		
Commercial & Industrial Subtotal	4.93	\$66,987.4	\$9,545.8	\$3,371.4	\$680.0
Income Eligible Programs					
Single Family - Income Eligible Services	2.96	\$18,847.0	\$6,376.9	\$0.0	
Income Eligible Multifamily	4.27	\$12,715.4	\$2,981.1	\$0.0	
Income Eligible Workforce Development			\$0.0		
Income Eligible Residential Subtotal	3.23	\$31,562.4	\$9,358.0	\$0.0	\$425.0
Residential Programs					
Energy Star® HVAC	1.66	\$14,834.2	\$3,940.7	\$4,982.2	
EnergyWise	2.03	\$19,418.0	\$8,761.8	\$782.1	
EnergyWise Multifamily	4.71	\$8,636.2	\$1,491.4	\$344.0	
Home Energy Reports	4.10	\$1,807.3	\$441.3	\$0.0	
Residential New Construction	1.10	\$1,292.8	\$611.1	\$562.0	
Comprehensive Marketing - Residential			\$67.8		
Residential Pilots			\$0.0		
Community Based Initiatives - Residential			\$86.3		
Residential Workforce Development			\$0.0		
Non-Income Eligible Residential Subtotal	2.03	\$45,988.5	\$15,400.3	\$6,670.3	\$595.0
EERMC			\$359.7		
OER			\$359.7		
Grand Total	3.09	\$144,538.3	\$35,023.4	\$10,041.7	\$1,700.0

Attachment 2 Table 6. 2023 Natural Gas Programs Benefit Cost Summary

THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID

2023 RHODE ISLAND BENEFIT COST TEST

Summary of Benefit, Expenses, Evaluation Costs (\$000)

	Rhode Island Benefit/ Cost	Total Benefit	Program Implementation Expenses	Customer Contribution	Illustrative Shareholder Incentive
Large Commercial & Industrial					
Large Commercial New Construction	5.13	\$13,671.8	\$2,837.8	-\$174.8	
Large Commercial Retrofit	5.61	\$49,881.4	\$5,332.2	\$3,558.6	
Small Business Direct Install	3.07	\$2,076.5	\$565.0	\$111.7	
Commercial & Industrial Multifamily	4.56	\$5,078.6	\$1,029.8	\$84.0	
Comprehensive Marketing - Commercial and Industrial			\$0.0		
Commercial Pilots			\$222.3		
Community Based Initiatives - C&I			\$31.2		
Finance Costs			\$0.0		
Commercial Workforce Development			\$0.0		
Commercial & Industrial Subtotal	4.95	\$70,708.3	\$10,018.3	\$3,579.5	\$680.0
Income Eligible Programs					
Single Family - Income Eligible Services	2.96	\$20,157.4	\$6,802.5	\$0.0	
Income Eligible Multifamily	4.27	\$12,725.6	\$2,980.3	\$0.0	
Income Eligible Workforce Development			\$0.0		
Income Eligible Residential Subtotal	3.22	\$32,883.0	\$9,782.9	\$0.0	\$425.0
Residential Programs					
Energy Star® HVAC	1.68	\$15,774.0	\$4,336.5	\$5,061.2	
EnergyWise	1.98	\$19,958.6	\$9,253.4	\$837.3	
EnergyWise Multifamily	4.71	\$8,643.1	\$1,490.9	\$344.0	
Home Energy Reports	4.10	\$1,807.8	\$441.3	\$0.0	
Residential New Construction	1.03	\$1,225.9	\$614.8	\$580.3	
Comprehensive Marketing - Residential			\$70.9		
Residential Pilots			\$0.0		
Community Based Initiatives - Residential			\$94.8		
Residential Workforce Development			\$0.0		
Non-Income Eligible Residential Subtotal	2.00	\$47,409.4	\$16,302.6	\$6,822.9	\$595.0
EERMC			\$377.5		
OER			\$377.5		
Grand Total	3.08	\$151,000.7	\$36,858.8	\$10,402.4	\$1,700.0