

August 23, 2022

VIA ELECTRONIC MAIL

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

RE: Docket 5076 – 2021 Energy Efficiency Plan Year-End Report Responses to PUC Data Requests – Set 4

Dear Ms. Massaro:

On behalf of The Narragansett Electric Company d/b/a Rhode Island Energy (the "Company"), enclosed please find an electronic version¹ of the Company's responses to the Public Utilities Commission's Fourth Set of Data Requests in the above-referenced matter.

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

Sincerely,

Andrew S. Marcaccio

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cc: Docket 5076 Service List Margaret L. Hogan, Esq. John Bell, Division Joel Munoz, Division

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¹ Per a communication from Commission counsel on October 4, 2021, the Company is submitting an electronic version of this filing followed by six (6) hard copies filed with the Clerk within 24 hours of the electronic filing.

Certificate of Service

I hereby certify that a copy of the cover letter and any materials accompanying this certificate was electronically transmitted to the individuals listed below.

The paper copies of this filing are being hand delivered to the Rhode Island Public Utilities Commission and to the Rhode Island Division of Public Utilities and Carriers.

Joanne M. Scanlon

August 23, 2022 Date

Docket No. 5076 - The Narragansett Electric Co. d/b/a Rhode Island Energy - 2021-2023 Energy Efficiency Program Plan & 2021 Annual Energy Efficiency Program Plan

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The Narragansett Electric Company d/b/a Rhode Island Energy RIPUC Docket No. 5076 In Re: Review of 2021 Year-End Report Responses to the Commission's Fourth Set of Data Requests Issued on August 4, 2022

PUC 4-1

Request:

Referencing the table provided by the Company in response to PUC 2-1, please add 2 new columns that show planned spend and actual spend for each of the measures.

Response:

Please note that the Company's response to PUC 2-1 only referenced the October 2020 planned units as reflected on Bates 335 of the 2021 Annual Energy Efficiency Plan. The planned spend (and correlating planned units) were adjusted in December 2020 based on Order No. 24225, ¶ 2,¹ which directed the Company to maintain the budget for the 2021 EnergyWise programs at the 2020 budget levels. The adjustment to planned spend (and correlating planned units) are reflected in the Company's compliance filing dated December 23, 2020. See below table which shows the October 2020 and December 2020 planned units and spend as well as actual units and spend.

COMPANY NATURAL GAS ENERGY EFFICIENCY IN RHODE ISLAND

Gas Non-Income Eligible EnergyWise Planned vs. Actual Units and Incentive Spend Program Year 2021

			Units		Incentive Spend								
Program	Measure	Planned (Oct 2020)	Planned (Dec 2020)	Actual	Planned (Oct 2020)	Planned (Dec 2020)	Actual						
	Aerator	110	110	692	\$1,100	\$1,100	\$6,920						
	Weatherization	2,260	1,947	3,189	\$7,241,040	\$6,238,188	\$10,217,556						
	Air Sealing Kit (Gas)	633	575	408	\$13,293	\$12,075	\$8,568						
EnergyWise	Showerhead	358	325	1,695	\$7,518	\$6,825	\$35,595						
	Pipe Wrap	5,500	4,928	5,151	\$71,500	\$64,064	\$66,963						
	THERMOSTAT	1,650	1,500	2,659	\$198,000	\$180,000	\$319,080						
	WiFi THERMOSTAT	275	250	118	\$57,200	\$52,000	\$24,544						

¹ See https://ripuc.ri.gov/sites/g/files/xkgbur841/files/eventsactions/docket/5076-NGrid-Ord24225-%289-21-2021%29.pdf. PDF Page 49 of 62.

The Narragansett Electric Company d/b/a Rhode Island Energy RIPUC Docket No. 5076 In Re: Review of 2021 Year-End Report Responses to the Commission's Fourth Set of Data Requests Issued on August 4, 2022

PUC 4-2

Request:

Please provide a table formatted similarly to Table G-2 in the 2021 Year-End Report that shows planned vs. actual benefits of the 2021 Gas Efficiency Program for each of the benefits categories.

Response:

Please see Attachment PUC 4-2.

COMPANY ENERGY EFFICIENCY PROGRAMS IN RHODE ISLAND Summary of Actual and Planned 2021 EE Benefits (\$000)

Natural Gas DRIPE Utility NE \$112.0 \$ \$93.3 \$ \$24.3 \$ \$35.7 \$ \$9.2 \$	Natural Gas DRIPE \$7,575.7 \$112.0 \$4,921.3 \$93.3 \$1.457.3 \$24.3 \$7.261.1 \$35.7 \$464.9 \$9.2	Cummor	\$0.0 -\$0.1 \$0.0 9.0 \$0.0 \$0.0 \$0.0	\$136.4 -\$2.2 \$9.3 \$0.0	\$118.4 -\$1.9 \$8.1 \$0.0	\$5.7 -\$0.1 \$0.5 \$0.0	Winter Winter Peak	er Off Summe ak Peak \$68.8 \$77 -\$6.3 -\$1		Winter Peak Energy DRIPE \$18.0 -\$3.1	Winter Off-Peak Energy DRIPE \$14.6	Summer Peak Energy DRIPE \$19.2	mer Summer Off-Peak Enerav DRIPE \$12.1	Oil \$0.0	Other Resource	Non Resource \$4,512.0	Carbon \$3,249.9	NOx \$439.5	\$17,525.3 \$2,556.3 \$2,734.0
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Notes

(1) In preparing responses to the PUC's Sixth Set of Data Requests in Docket 5189, the Company identified an error in the economic Multipliers used in the 2021 Annual Energy Efficiency Plan. The error was due to the way participant costs were entered in REMI. This Year End Report filling of actual economic benefits uses the corrected multipliers found in the "Economic Multipliers Update" memo to the PUC, filed on January 6, 2022

Planned Benefits		Natural Gas	s Benefits	Utility NEIs		Elec'	ctric Capacity							Electric Energy		Nr.	on-Electric and Non-G	Gas		Societal			
	,	- Natara and	- Demonte	Ounty			ic cupating	-		Winter	er		Summer	Win	ter	Sum	mer		1-21000110	1		- COCIOCALI	
Γ	Total	Natural Gas	Natural Gas DRIPE		Summer Generation	Capacity DRIPE	Trans	Dist	Reliability	Winter Peak	Winter Off Peak	Summer Peak	Summer Off Peak	Winter Peak Energy DRIPE	Winter Off-Peak Energy DRIPE	Summer Peak Energy DRIPE	Summer Off-Peak Energy DRIPE	OII	Other Resource	Non Resource	Carbon	NOx	Economic
Non-Income Eligible Residential																							
EnergyWise	\$18,349.9				.0 \$78.8			\$72.5	\$3.5	\$41.5		\$46.6			\$8.9		\$7.5	\$0.0	\$37.0	\$2,769.7	\$1,969.1	\$266.3	\$8,19 \$3,04
Energy Star® HVAC	\$13,615.3				.0 \$35.8									-\$2.7	-\$2.1			\$0.0	\$157.9		\$2,712.4	\$373.6	\$3,04
EnergyWise Multifamily	\$8,630.0				.0 \$12.0	.0 \$0.1	1 \$14.0	\$12.2	2 \$0.7	\$1.2	\$0.6	\$7.1	\$5.4	\$0.5	\$0.2	\$2.6	\$1.6	\$0.0	\$38.6	\$3,961.0	\$607.0	\$82.5	\$2,43
Home Energy Reports	\$1,825.1	\$859.7			\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$391.2	\$54.1	\$47 \$14
Residential New Construction	\$1,378.3				\$0.0	.0 \$0.0	30.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$3.4		\$342.4	\$47.3	\$14
Non-Income Eligible Residential SUBTOTAL	\$43,798.6	\$14,112.5	\$276.0	0 \$0.0	.0 \$126.7	.7 \$0.9	\$142.4	\$123.7	\$7.0	\$35.1	\$35.2	\$73.0	\$56.6	\$8.8	\$7.0	\$23.2	\$14.4	\$0.0	\$237.0	\$7,368.1	\$6,022.1	\$823.8	\$14,30
Income Eligible Residential				 '		-	$\overline{}$		-		\longrightarrow											\longrightarrow	
Single Family - Income Eligible Services	\$17,598.0	\$1,951.8	\$33.8 \$47.1	8 \$27.1		\$0.01	\$33.9	\$29.4	\$1.6	\$25.3 \$0.8	\$27.0	\$17.7		\$8.5	\$7.2	\$5.4	\$3.5	\$0.0	\$0.0	\$8,530.3	\$844.4 \$1.267.3	\$113.6 \$174.1	\$5,89 \$4,66
Income Eligible Multifamily	\$12,749.8	\$3,037.2				. \$0.0	\$9.3	\$8.0	\$0.5			Q-4.0			\$0.1	\$1.0	\$1.0	\$0.0	\$51.2	\$3,427.5			
Income Eligible Residential SUBTOTAL	\$30,347.7	\$4,989.0	\$80.9	9 \$69.2	.2 \$38.7	.7 \$0.0	\$43.2	\$37.5	5 \$2.0	\$26.1	\$27.4	\$22.5	\$17.8	\$8.8	\$7.3	\$7.0	\$4.5	\$0.0	\$51.2	\$11,957.9	\$2,111.7	\$287.7	\$10,55
<u> </u>																							
Commercial & Industrial				 '	 '	البيسلة	البيسب	, ——.					 '										
Large Commercial New Construction	\$12,422.2				\$0.01	.0 \$0.0		\$0.0	0 \$0.0				\$0.0		\$0.3			\$0.0	\$6.8		\$1,774.9	\$263.1	
Large Commercial Retrofit	\$44,777.8				\$0.0	.0 \$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.01	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$37.3		\$5,996.8	\$889.0	\$12,78
Small Business Direct Install	\$1,539.9				\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.01	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$310.5		\$200.7	\$29.8	\$58
Commercial & Industrial Multifamily	\$4,922.7				.0 \$0.5	.5 \$0.0	95.7	\$8.4	4 30.5	\$0.8	Ψ0.4	\$5.0	\$3.0	90.3	\$0.1		\$1.0	\$0.0	\$12.9		\$581.4	\$85.3	\$1,80
Commercial & Industrial SUBTOTAL	\$63,662.6	\$17,649.9	\$621.6	6 \$0.0	.0 \$8.5	.5 \$0.0	\$9.7	\$8.4	4 \$0.5	\$1.5	\$1.2	\$5.0	\$3.8	\$0.6	\$0.4	\$1.7	\$1.0	\$0.0	\$367.5	\$16,249.0	\$8,553.9	\$1,267.1	\$18,91

The Narragansett Electric Company
d/b/a Rhode Island Energy
RIPUC Docket No. 5076
In Re: Review of 2021 Year-End Report
Responses to the Commission's Fourth Set of Data Requests
Issued on August 4, 2022

PUC 4-3

Request:

In response to PUC 3-9, the Company provided a table showing the following categories of data for the 100%, 75%, and 50% gas weatherization incentives: number of new weatherization contracts offered; number of completed weatherization contracts; and number of outstanding weatherization contracts. Then, in response to PUC 3-13, the Company introduced the concept of "conversion rates." Referencing the data contained in the PUC 3-9 table, please explain how to use that data to calculate a "conversion rate" for each incentive level for the 2020-2021 program years. In your response, provide an illustrative calculation. (If additional data not included in Attachment PUC 3-9 is needed to calculate the conversion rate for each incentive level for the 2020-2021 program years, please provide that additional data.)

Response:

In PUC 3-13, the Company defines conversion rates as, "the percentage of customers that move from assessment to weatherization". On a month-to-month basis, this would be calculated by looking at the number of weatherizations performed in the month divided by the number of assessments. This is an approximate value since it does not tie the weatherization to the same customer that received the assessment. Attachment PUC 4-3 presents the 2020 and 2021 assessments, weatherizations, and conversion values.

The evaluation information provided in PUC 3-9 does look at weatherization for a specific customer receiving an assessment and over time the conversion rates should converge.

The Narragansett Electric Company d/b/a Rhode Island Energy RIPUC Docket No. 5076 Attachment PUC 1-3 Page 1 of 1

EnergyWise - RI

								August,	September,	October,	November,	December,	2020 Year								August,	September,	October,	November,	December,	2021 Year
Single Family	Jan, 2020	Feb, 2020	Mar, 2020	Apr, 2020	May, 2020	June, 2020	July, 2020	2020	2020	2020	2020	2020	End	Jan, 2021	Feb, 2021	Mar, 2021	Apr, 2021	May, 2021	June, 2021	July, 2021	2021	2021	2021	2021	2021	End
Audits																										
Gas Heat Assessments		985	678	146		1		26	59	488	416	582	3,381			899	515	449	419	408	199		524	755	1,029	5,197
Electric Heat Assessments		102	61	17					2	45	24	48	299			68	29	57	40	59	24		487	90	94	948
DF Heat Assessments		743	531	121				33	37	377	319	414	2,575			635	317	289	311	360	165		66	657	864	3,664
VHEA Gas					12	228	206	328	94	498	244	252	1,862			336	140	96	65	24	3		4	5	4	677
VHEA Electric					4	40	36	35	15	54	31	32	247			47	23	13	17	10	17		2	1	3	133
VHEA DF Heat					11	186	184	283	89	434	192	210	1,589			281	148	120	125	46	10		7	4	9	750
Total Audits	-	1,830	1,270	284	27	455	426	705	296	1,896	1,226	1,538	9,953	-	-	2,266	1,172	1,024	977	907	418	-	1,090	1,512	2,003	11,369
Weatherizations	Neatherizations																									
Gas Heat Weatherizations		181	390	116			125	177	67	324	160	306	1,846			484	334	306	280	233	160		253	400	739	3,189
Electric Heat Weatherizations		39	30	13				17	6	51	25	31	212			51	19	22	19	16	17		8	16	94	262
DF Heat Weatherizations		255	244	108				153	52	267	197	345	1,621			557	278	226	225	157	136		80	139	1,049	2,847
Total Weatherizations	-	475	664	237	-	-	125	347	125	642	382	682	3,679	-	-	1,092	631	554	524	406	313	-	341	555	1,882	6,298
Conversions																										
Gas Conversions		18%	58%	79%	0%	0%	61%	50%	44%	33%	24%	37%	35%			39%	51%	56%	58%	54%	79%		48%	53%	72%	54%
Electric Conversions		38%	49%	76%	0%	0%	0%	49%	35%	52%	45%	39%	39%			44%	37%	31%	33%	23%	41%		2%	18%	97%	24%
Oil Conversions		34%	46%	89%	0%	0%	0%	48%	41%	33%	39%	55%	39%			61%	60%	55%	52%	39%	78%		110%	21%	120%	64%
Total Conversions		26%	52%	83%	0%	0%	29%	49%	42%	34%	31%	44%	37%			48%	54%	54%	54%	45%	75%		31%	37%	94%	55%