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March 27, 2023

VIA ELECTRONIC MAIL

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

**RE: Docket No. 22-53-EL – The Narragansett Electric Company
Proposed FY 2024 Electric Infrastructure, Safety, and Reliability Plan
Responses to Record Request Nos. 23, 24, and 25**

Dear Ms. Massaro:

On behalf of The Narragansett Electric Company d/b/a Rhode Island Energy (the “Company”), enclosed, please find the Company’s responses to Record Request Nos. 23, 24, and 25 issued at the Commission’s evidentiary hearings on March 20 and March 21, 2023 in the above-referenced matter.

Thank you for your attention to this transmittal. 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

Enclosures

cc: Docket No. 22-53-EL Service List
John Bell, Division

The Narragansett Electric Company
d/b/a Rhode Island Energy
RIPUC Docket No. 22-53-EL
In Re: Proposed FY 2024 Electric Infrastructure, Safety and Reliability Plan
Responses to the Record Requests
Issued at the Commission's Evidentiary Hearings
On March 20 and March 21, 2023

Record Request No. 23

Request:

Please update Attachment 3 to reflect the hearing testimony that Grid Mod spending through March 2029 is approximately \$299 million (please include totals where appropriate).

Response:

Please see Attachment RR-23 for Grid Modernization forecasted spend through March 2029.

Spending Rationale and Category	ISR Grouping	Docket 5209			Grid Modernization Foundational Investment Plan						Total Forecast
		FYTD Actuals 12/31/22	FY23 Q3 Forecast	FY 2023 Budget	ISR Yr 2024 Forecast	ISR Yr 2025 Forecast	ISR Yr 2026 Forecast	ISR Yr 2027 Forecast	ISR Yr 2028 Forecast	ISR Yr 2029 Forecast	
Grid Modernization Plan											-
	ADMS/DERMS Advanced	-	-	-	596	140	3,160	1,569	4,387	1,677	11,529
	Advanced Reclosers	-	-	-	22,899	25,264	25,845	26,440	27,048	1,445	128,940
	DER Monitor/Manage	-	-	-	-	-	-	2,288	4,044	4,414	10,746
	Electromechanical Relay Repl Pgm	-	-	-	3,013	2,853	5,053	8,564	6,735	5,749	31,968
	Fiber Network	-	-	-	500	12,980	17,368	17,368	12,049	8,335	68,600
	IT Infrastructure	-	-	-	2,213	2,019	2,999	4,282	4,837	58	16,408
	Mobile Dispatch	-	-	-	107	98	172	196	196	16	784
	Smart Capacitors & Regulators	-	-	-	5,929	6,261	6,075	6,215	6,013	-	30,493
Total Grid Modernization		-	-	-	35,257	49,615	60,672	66,921	65,309	21,694	299,467

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In Re: Proposed FY 2024 Electric Infrastructure, Safety and Reliability Plan
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Record Request No. 24

Request:

How many Rhode Island eligible New and Existing RECs were generated in the 2020 compliance year? Please add how many additional New RECs are expected to be generated by the signed Revolution Wind contract when it begins operating. Please compare this sum to RIE’s projected demand (annual MWh) for RECs to meet the RES next year, in 2030, 2040, and 2050.

Response:

The NEPOOL GIS “GIS Certificate Statistics” report for the vintage year 2020 states that there were 6,905,414 New RI Eligible RECs available and 1,679,003 Existing RI Eligible RECs available. In total, this amounts to 8,584,417 New and Existing RI RECs available in 2020.

Based on the Power Purchase Agreement between The Narragansett Electric Company and DW REV 1, LLC, dated December 2018, the Revolution Wind Project is projected to generate 1,631,795 New RI Eligible RECs per year. When added to the total available New and Existing RI RECs from 2020, this amounts to 10,216,212 total RI Eligible RECs.

See Table 1 below which provides a forecast of REC Obligations for 2024, 2030, 2040, and 2050 based upon the forecast demand (MWh) for those years along with the associated Renewable Energy Standard (“RES”) obligations.

Table 1.

	Forecast Demand (MWh)*	RI RES Obligation	REC Obligation (New & Existing)
2024	7,463,000.00	28%	2,089,640.00
2030	7,400,000.00	72%	5,328,000.00
2040	11,400,000.00	100%	11,400,000.00
2050	12,550,000.00	100%	12,550,000.00

**Demand forecast leverages current RIE forecasts for 2024 and extrapolates RIE forecast demand for 2030, 2040, and 2050 based upon “high electrification” future scenarios.*

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Record Request No. 24, page 2

Comparing the "REC Obligation" column in Table 1 to the total New and Existing RI RECs and Revolution Wind projected RECs (found above), values indicate the available eligible RECs cover the forecasted obligations through at least 2030, falling short in 2040 and beyond. Eligible RI RECs also largely are eligible in neighboring ISO-NE states as well; therefore, there is competition from these neighboring states for these RECs from entities within those states to meet their own renewable portfolio standard targets. When looking at 2020, the RES obligation was 1,146,720, and there were 8,584,417 RI eligible RECs; however, the REC price did not drop to at or around \$0, which would indicate a surplus to demand. Instead, average prices ranged from \$35-\$45 showing substantial demand and competition.

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In Re: Proposed FY 2024 Electric Infrastructure, Safety and Reliability Plan
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Record Request No. 25

Request:

Please provide the proposed budget and actual spending in each year of the life of the recloser replacement programs. Calculate the average actual annual spending of the years and how many reclosers the Company could install in FY24 for that amount of dollars. Please also provide the same information for the highest spend year and the lowest spend year.

Response:

The proposed budget and actual spending in each year of the life of the recloser replacement programs is shown in the table below:

	<u>Budget</u>	<u>Actual</u>
FY2017	\$0	\$168,211
FY2018	\$410,200	\$692,123
FY2019	\$600,000	\$458,163
FY2020	\$700,000	\$118,717
FY2021	\$350,000	\$378,175
FY2022	\$200,000	\$173,812
FY2023	\$0	\$15,185

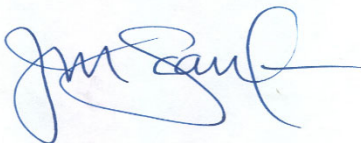
The average actual annual spending is \$286,341. The Company could install four reclosers in FY24 for that amount.

The Company could install eight reclosers for the amount spent in the highest spend year (\$692,123 in FY2018), and it could install no reclosers for the amount spent in the lowest spend year (\$15,185 in FY2023).

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

March 27, 2023

Date

**Docket No. 22-53-EL – RI Energy’s Electric ISR Plan FY 2024
Service List as of 3/13/2023**

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