

March 15, 2023

#### VIA ELECTRONIC MAIL

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

RE: Docket 4770 – Performance Incentive Mechanism Annual Report & Performance Incentive Factor Calendar Year 2022

Dear Ms. Massaro:

On behalf of Rhode Island Energy,<sup>1</sup> I enclose for filing with the Public Utilities Commission ("PUC") an electronic version<sup>2</sup> of the Company's Performance Incentive Mechanism Annual Report in compliance with Article II, Section C.19.e of the Amended Settlement Agreement (the "Amended Settlement Agreement") approved by the PUC on August 24, 2018, in the above-referenced docket.

As noted in the enclosed Annual Report, the Company is not proposing a Performance Incentive Factor for calendar year ("CY") 2022 because the Amended Settlement Agreement and the Company's Performance Incentive Recovery Provision, R.I.P.U.C. No. 2211, approved by the PUC in Docket No. 4770, contemplated three years of earned performance incentives, which sunset in 2021. There will, however, be a small remaining over- or under-recovery balance for the recovery of the earned performance incentives for calendar years 2020 and 2021 that are subject to reconciliation in accordance with R.I.P.U.C. No. 2211. The reconciliation balance of the CY 2020 earned performance incentive is not large enough to result in a Performance Incentive Factor for July 1, 2023, and the final CY 2021 reconciliation will not be complete until after July 2023. Accordingly, the Company will submit a separate proposal to the PUC to resolve any remaining over- or under-recovery balance after it completes a full evaluation of the reconciliation balances for calendar years 2020 and 2021.

Thank you for your attention to this matter. If you have any questions, please contact me at 401-316-7429.

Very truly yours,

Jeugh Bing High

Jennifer Brooks Hutchinson

Enclosures

cc: Docket 4770 Service List

<sup>&</sup>lt;sup>1</sup> The Narragansett Electric Company, d/b/a Rhode Island Energy (referred to herein as "Rhode Island Energy" or the "Company").

<sup>&</sup>lt;sup>2</sup> Per 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.

The Narragansett Electric Company
d/b/a Rhode Island Energy
RIPUC Docket No. 4770
Performance-Based Incentive Mechanism and Scorecard Metrics
2022 Year-End Report
Period January 1, 2022, through December 31, 2022
Page 1 of 8

### I. Introduction

Pursuant to Article II, Section C.19 of the Amended Settlement Agreement dated August 16, 2018, in Docket No. 4770, The Narragansett Electric Company d/b/a Rhode Island Energy ("Rhode Island Energy" or the "Company") submits to the Rhode Island Public Utilities Commission (PUC) this Year-End Report for the period January 1, 2022, through December 31, 2023, on Rhode Island Energy's Performance-Based Incentive Mechanism and Scorecard Metrics.

### II. Performance-Based Incentive Mechanism

System Efficiency: Annual Megawatt Capacity Savings

The Amended Settlement Agreement approved in Docket No. 4770 authorized the System Efficiency: Annual Megawatt Capacity Savings Performance-Based Incentive Mechanism ("PIM") for three years, ending with calendar year 2021. Accordingly, the Company is not proposing a Performance Incentive Factor for calendar year 2022. Rhode Island Energy is reporting System Efficiency: Annual Megawatt Capacity Savings under Scorecard Metrics.

### **III.** Scorecard Metrics

System Efficiency: Annual Megawatt Capacity Savings

Rhode Island Energy enrolled 51 megawatts (MW) of capacity in the period January 1, 2022, through December 31, 2022. The Amended Settlement Agreement does not provide a target capacity for 2022 for which to compare performance. Nonetheless, Rhode Island Energy will continue to report its total annual capacity savings in the Year-End Reports.

<sup>&</sup>lt;sup>1</sup> The PUC approved the Company's Performance Incentive Factor for calendar year 2021, which was the third and final year for the System Efficiency: Annual Megawatt Capacity Savings Performance Incentive Mechanism ("PIM"), absent a request from the Company to continue the PIM beyond calendar year 2021. *See* RIPUC Order No. 24454 (issued July 27, 2022).

The Narragansett Electric Company
d/b/a Rhode Island Energy
RIPUC Docket No. 4770
Performance-Based Incentive Mechanism and Scorecard Metrics
2022 Year-End Report
Period January 1, 2022, through December 31, 2022
Page 2 of 8

**Table 1. Capacity Savings** 

Resource Type	Customers Enrolled	Estimated Enrolled Capacity (MW)
Residential Thermostat Demand Response	5,994	4.9
Residential Battery	256	1.3
Commercial & Industrial Demand Response	182	44.8
Total		51

Notes: Estimated enrolled capacity is calculated by resource type using the Energy Hub software platform (for enrollment) and Alteryx (for estimated capacity).

# Distributed Energy Resources - Carbon Dioxide: Consumer Electric Vehicles

Rhode Island Energy reports 6,267 consumer electric vehicles (EVs) in operation through December 31, 2022. The Amended Settlement Agreement does not provide a forecast registration volume for 2022 for which to compare performance. As such, Rhode Island Energy does not claim any EV registrations as incremental to forecast.

Table 2. Consumer Electric Vehicle Registration Volume

Consumer EV Type	Consumer EV Forecast	Registered Consumer EVs
BEV	n/a	3,413
PHEV	n/a	2,854
Total		6,267

Notes: Consumer EV forecast is listed as n/a (not applicable) because the Amended Settlement Agreement does not provide a forecast or target for 2022. Data is from IHS/Markit registration data.

**Distributed Energy Resources – Light Duty Government and Commercial Fleet Electrification** Rhode Island Energy reports 409 light duty government and commercial fleet EVs in operation as of December 31, 2022.

The Narragansett Electric Company
d/b/a Rhode Island Energy
RIPUC Docket No. 4770
Performance-Based Incentive Mechanism and Scorecard Metrics
2022 Year-End Report
Period January 1, 2022, through December 31, 2022
Page 3 of 8

Table 3. Electric Vehicle Registration by Fleet Type

Fleet Type	Registered Fleet EV Forecast	Registered Fleet EVs
Government	n/a	101
Commercial	n/a	308
Total		409

Notes: Registered fleet EV forecast is listed as not applicable (n/a) because the Amended Settlement Agreement does not provide a forecast for 2022. Data is from IHS/Markit registration data.

# PST Enablement - Activated Apartment Building and Disadvantaged Community Electric Vehicle Supply Equipment Sites

Rhode Island Energy activated five new Electric Vehicle Supply Equipment (EVSE) sites at apartment buildings and in disadvantaged communities, with a total of 32 ports.

**Table 4. Access to Electric Vehicle Charging** 

EVSE Site Locations	Activated Sites	Activated Ports
Apartment Buildings	2	14
Disadvantaged Communities	3	18
Total	5	32

Notes: Data for EVSE placed in service between 1/1/2022-12/31/2022. Apartment building sites were placed in service on 4/4/2022 and 5/20/2022. Disadvantaged community sites were placed in service on 3/2/2022, 7/1/2022 and 7/25/2022.

# Distributed Generation Interconnections – Time from ISA to Distribution System Modifications Complete

For projects awarded ISAs that completed system modifications during the period January 1, 2022, through December 31, 2022, Rhode Island Energy averaged 120 business days for simplified systems, 122 business days for expedited systems and 367 business days for standard systems.

The Narragansett Electric Company
d/b/a Rhode Island Energy
RIPUC Docket No. 4770
Performance-Based Incentive Mechanism and Scorecard Metrics
2022 Year-End Report
Period January 1, 2022, through December 31, 2022
Page 4 of 8

Table 5.
Time Required to Complete Distribution System Modifications

Interconnection Category	Business Days from Executed Interconnection Service Agreement (ISA) to Distribution System Modifications Complete  Average Standard Deviation	
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Simple	120	47
Expedited	122	124
Standard	367	335

Notes: Data based on 14 projects in the simple interconnection category, 53 projects in the expedited interconnection category, and 13 projects in the standard interconnection category. Distribution system modifications are defined as all modifications required for the project to move forward. Data for projects with distribution system modifications completed during the period 1/1/2022-12/31/2022; executed ISAs may have occurred prior to this period.

### Distributed Generation-Friendly Substation Transformers

The Company completed zero incremental 3V0 installations at substations in the period January 1, 2022, to December 31, 2022.

## Utilization of Electric Vehicle Supply Equipment in Low-Income Areas

Utilization of electric vehicle supply equipment in low-income areas was less than 1% in the period January 1, 2022, to December 31, 2022.

Table 6. Utilization of Electric Vehicle Supply Equipment in Low-income Areas

Period	Number of Stations in Operation in Low-Income Areas	Average Utilization
1/1/2022 - 12/31/2022	12	<1%

Notes: The Company uses 'Environmental Justice' areas as a direct proxy for 'Low-income' areas, utilizing the Rhode Island Department of Environmental Management's <u>mapping tool</u>. Average utilization is calculated as charging time divided by the product of total time per station and number of stations. Data for 1/1/2022-12/31/2022.

The Narragansett Electric Company
d/b/a Rhode Island Energy
RIPUC Docket No. 4770
Performance-Based Incentive Mechanism and Scorecard Metrics
2022 Year-End Report
Period January 1, 2022, through December 31, 2022
Page 5 of 8

# Reduction of Uncollectible Debt

1,341 customers were enrolled in the Arrearage Management Program (AMP) on December 31, 2022.

Table 7. Customers enrolled in the Arrearage Management Program			
Month Ending	Gas Customers Enrolled in AMP	Electric Customers Enrolled in AMP	Total Customers Enrolled in AMP
January	532	1,383	1,915
February	522	1,292	1,814
March	485	1,182	1,667
April	555	1,220	1,775
May	700	1,372	2,072
June	756	1,365	2,121
July	778	1,414	2,192
August	761	1,406	2,167
September	737	1,407	2,144
October	487	1,007	1,494
November	456	962	1,418
December	402	939	1,341

Notes: Each month represents a snapshot of enrollment as of the last day of the month. Total customers enrolled is the sum of electric customers enrolled and gas customers enrolled. Data for 1/1/2022-12/31/2022.

The Narragansett Electric Company
d/b/a Rhode Island Energy
RIPUC Docket No. 4770
Performance-Based Incentive Mechanism and Scorecard Metrics
2022 Year-End Report
Period January 1, 2022, through December 31, 2022
Page 6 of 8

*Increased Stability of Service through Increased Enrollment in the Low-Income Discount* 62,375 customers were enrolled in the Low-Income Discount (LID) on December 31, 2022.

Table 8. Customers Enrolled in the Low-Income Discount			
Month Ending	Gas Customers Enrolled in LID	Electric Customers Enrolled in LID	Total Customers Enrolled in LID
January	23,279	35,454	58,733
February	23,668	36,154	59,822
March	24,393	37,886	62,279
April	24,417	37,744	62,161
May	24,318	37,820	62,138
June	25,314	39,556	64,870
July	24,685	38,699	63,384
August	24,358	38,905	63,263
September	24,526	38,651	63,177
October	24,361	38,412	62,773
November	22,456	37,132	59,588
December	23,333	39,042	62,375

Notes: The number of residential customer account enrollments in the low-income discount (LID) is represented by the number of accounts receiving delivery service on Rate A-60. Each month represents a snapshot of enrollment as of the last day of the month. Total customers enrolled is the sum of electric customers enrolled and gas customers enrolled. Data for 1/1/2022-12/31/2022.

Nonregulated Power Producer Residential Customer Demand Response Participation
The Company identified 172 customers enrolled in residential customer demand response that also have third-party suppliers.

*Distributed Energy Resources – Installed Energy Storage Capacity*Rhode Island Energy interconnected 2.4928 MW / 5.8747 MWh of energy storage capacity.

The Narragansett Electric Company
d/b/a Rhode Island Energy
RIPUC Docket No. 4770
Performance-Based Incentive Mechanism and Scorecard Metrics
2022 Year-End Report
Period January 1, 2022, through December 31, 2022
Page 7 of 8

**Table 9. Energy Storage Interconnections** 

Time Period	Number of Applications	Total AC Nameplate Rating (MW)	Total Storage Capacity (MWh)
January	20	0.1321	0.1233
February	25	0.2077	0.3096
March	28	0.2453	0.6355
April	14	0.1148	0.2715
May	37	0.4612	1.6318
June	30	0.2027	0.5616
July	34	0.2443	0.3947
August	26	0.2207	0.5874
September	24	0.1486	0.5364
October	24	0.1984	0.3109
November	28	0.2214	0.2587
December	30	0.2635	0.6253
CYTD	308	2.4928	5.8747

Notes: CYTD is cumulative year-to-date, calculated by summing monthly totals. Data for 1/1/2022-12/31/2022.

# Power Sector Transformation Enablement – Distributed Generation Interconnection – Time to ISA

Rhode Island Energy outperformed the tariff timelines for providing an executable ISA by roughly 11 days on average for simple systems, 5 days on average for expedited systems, and 45 days on average for standard systems.

The Narragansett Electric Company
d/b/a Rhode Island Energy
RIPUC Docket No. 4770
Performance-Based Incentive Mechanism and Scorecard Metrics
2022 Year-End Report
Period January 1, 2022, through December 31, 2022
Page 8 of 8

Table 10. Time Required for ISA by Interconnection Category

Interconnection	Tariff Allowed	Average Actual Business Days for ISA Standard Deviation	
Category	Days for ISA	Average	Standard <b>Deviation</b>
Simple	20	9	15
Expedited	45	40	31
Standard	175	130	57

Notes: Tariff Allowed Days for ISA provided in RIPUC No. 2244 Standards for Connecting Distributed Generation, Section 3.5, Table 1 – Times Frames (Sheet 33). Average actual days for ISA based number of business days required for projects awarded ISAs during the period 1/1/2022 through 12/31/2022. The Tariff reports calendar days, whereas the ASA requires report out on average actual business days. Applying a factor of 5/7 to Tariff Allowed days roughly translates calendar days to business days for apples-to-apples comparison.

## 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 15, 2023

Date

Narragansett Electric Co. d/b/a RI Energy - Docket No. 4770 & Docket No. 4780 (PST) Combined Service list updated 12/13/2022

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