

February 28, 2020

VIA HAND DELIVERY & 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**

Dear Ms. Massaro:

On behalf of National Grid, I enclose for filing with the Public Utilities Commission (PUC) one original and nine copies of the Company's Performance-Based Incentive Mechanism 2019 Annual Report in compliance with Article II, Section C.19.e of the Amended Settlement Agreement approved by the PUC on August 24, 2018 in the above-referenced docket.

Thank you for your attention to this matter. If you have any questions, please contact me at 401-784-7288.

Very truly yours,

Jemen Burg Hullo

Jennifer Brooks Hutchinson

Enclosures

Docket 4770 Service List cc: Jonathan Schrag, Division John Bell. Division Al Mancini, Division Leo Wold, Esq. Christy Hetherington, Esq. The Narragansett Electric Company d/b/a National Grid

Performance-Based Incentive Mechanism and Scorecard Metrics

2019 Annual Report January through December 2019

February 28, 2020

Docket No. 4770

Submitted to:

Rhode Island Public Utilities Commission

Submitted by:

nationalgrid

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4770
Performance-Based Incentive Mechanism and Scorecard Metrics
2019 Annual Report
Period January 2019 through December 2019
Page 1 of 6

I. <u>Introduction</u>

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 National Grid (National Grid or the Company) submits to the Rhode Island Public Utilities Commission (PUC) this annual report for the period January 2019 through December 2019 on the Company's Performance-Based Incentive Mechanism and Scorecard Metrics.

II. Performance-based Incentive Mechanism

System Efficiency: Annual Megawatt Capacity Savings

During the ISO-New England peak hour ending 18:00 on July 30, 2019, the Company curtailed 33.38 MW of capacity against a maximum goal of 20 MW. The Performance-based Incentive Mechanism outcome results in a positive revenue adjustment of \$362,085 that will be recovered from customers through the Performance Incentive Factor, proposed to be effective July 1, 2020.¹

System Efficiency: Annual MW Capacity Savings Results (2019)

Resource Type	Capacity Curtailment (MW)
Residential Thermostat Demand Response (DR)	1.80
Residential Battery	0.08
Commercial & Industrial DR	31.50
Total	33.38

System Efficiency: Annual MW Capacity Savings Targets and Maximum Earnings Opportunity

	2019	2020	2021
Minimum (MW)	14	17	21
Target (MW)	17	21	24
Maximum (MW)	20	25	29
Earnings at Maximum	\$362,085	\$622,370	\$944,141

¹ The Company will file the Performance Incentive Factor calculations with the Commission contemporaneously with this filing.

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4770
Performance-Based Incentive Mechanism and Scorecard Metrics
2019 Annual Report
Period January 2019 through December 2019
Page 2 of 6

III. Scorecard Metrics

Distributed Energy Resources - Carbon Dioxide: Consumer Electric Vehicles

The Company reports 2,148 consumer electric vehicles (EVs) in operation as of December 31, 2019.² Battery electric vehicles (BEVs) comprised 42% of all the consumer EVs in operation at the end of 2019, and the remaining 58% were plug-in hybrid electric vehicles (PHEVs).

Consumer	2019 Registered	Registered Consumer	Carbon Dioxide
EV Type	Consumer EV Forecast	EVs as of 12/31/2019	Savings
BEV	1,035	897	0
PHEV	1,647	1,251	0
Total	2,682	2,148	0

Distributed Energy Resources - Light Duty Government and Commercial Fleet Electrification

The Company reports 111 light duty government and commercial fleet EVs in operation in its service territory as of December 31, 2019.³

Distributed Energy Resources - Light Duty Government and Commercial Fleet Electrification

Elect Tyme	2019 Registered Fleet	Registered Fleet EVs as
Fleet Type	EV Forecast	of 12/31/2019
Government	-	25
Commercial	-	86
Total	141	111

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

The Company activated 6 Electric Vehicle Supply Equipment (EVSE) sites at apartment buildings and in disadvantaged communities in the period January through December 2019.

² According to vehicle registration data from IHSMarkit/R.L. Polk.

³ According to vehicle registration data from IHSMarkit/R.L. Polk.

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4770
Performance-Based Incentive Mechanism and Scorecard Metrics
2019 Annual Report
Period January 2019 through December 2019
Page 3 of 6

EVSE Site Locations	2019 Make-	2019 Charging
E VSE Site Locations	Ready in Service	Stations in Service
Apartment Buildings	1	2
Disadvantaged Communities	5	13
Total	6	15

Distributed Generation Interconnections

Interconnection Category	Average number of Business Days from Executed Interconnection Service Agreement (ISA) to Distribution System Modifications Complete
Simple	N/A – No applications required distribution system modification
Expedited	91
Standard	N/A – No applications received

Distributed Generation-Friendly Substation Transformers

The Company completed six incremental $3V_0$ installations at its substations in the period January to December 2019: one under the RI $3V_0$ program, and five supporting specific distributed generation (DG) projects.

3V _o Installation Type	Number of Incremental Installations in 2019
RI 3V _o Program	1
DG Project	5
Total	6

Utilization of EVSE in Low-income Areas

The Company installed five EVSE sites through its Charging Station Demonstration Program in the period January to December 2019. Utilization figures are not available at this time.

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4770
Performance-Based Incentive Mechanism and Scorecard Metrics
2019 Annual Report
Period January 2019 through December 2019
Page 4 of 6

Reduction of Uncollectible Debt

The Company reports a 12-month rolling average of 3,815 residential customer account enrollments in the Arrearage Management Program (AMP) as of December 31, 2019. The Company reports this metric for purposes of developing a baseline and eventually setting an improvement target from this baseline and to maintain service to the low-income customer and prevent expansion of uncollectible debt.

	Gas Customers	Electric	Total Customers
Month Ending	Enrolled in AMP	Customers	Enrolled in
	Ellioned III Alvir	Enrolled in AMP	AMP
December 2019	1,147	2,138	3,285
November 2019	1,261	2.347	3.608
October 2019	1,433	2,593	4,026
September 2019	1,580	2,748	4,328
August 2019	1,686	2,764	4,450
July 2019	1,748	2,746	4,494
June 2019	1,761	2,697	4,458
May 2019	1,685	2,598	4,283
April 2019	1,322	2,138	3,406
March 2019	1,158	1,997	3,155
February 2019	1,115	1,984	3,099
January 2019	1,102	2,037	3,139

Increased Stability of Service through Increased Enrollment in the Low Income Discount

The Company reports a 12-month rolling average of 53,796 residential customer account enrollments in the low-income discount (LID) as of December 31, 2019. This number represents residential accounts receiving delivery service on Rate A-60 for gas and or electric service. The Company reports this metric for purposes of developing a baseline and eventually setting an improvement target from this baseline.

Month Ending	Gas Customers Enrolled in LID	Electric Customers Enrolled in LID	Total Customers Enrolled in LID
December 2019	18,007	31,114	49,121
November 2019	18,418	32,838	51,256
October 2019	20,758	33,651	54,409

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4770
Performance-Based Incentive Mechanism and Scorecard Metrics
2019 Annual Report
Period January 2019 through December 2019
Page 5 of 6

Month Ending	Gas Customers Enrolled in LID	Electric Customers Enrolled in LID	Total Customers Enrolled in LID
September 2019	21,546	33,485	55,031
August 2019	21,761	34,479	56,240
July 2019	21,867	33,944	55,811
June 2019	21,666	35,506	57,172
May 2019	21,113	34,837	55,950
April 2019	20,546	33,891	54,437
March 2019	19,914	34,101	54,015
February 2019	19,352	32,993	52,345
January 2019	18,658	31,106	49,764

Nonregulated Power Producer Residential Customer Demand Response Participation

As of December 31, 2019, the Company had enrolled 189 residential customers who purchase electricity from Nonregulated Power Producers (NPPs) enrolled in the residential DR program, ConnectedSolutions.

Residential Customers Purchasing Supply from NPPs	Residential Customers Enrolled in DR Program	NPP Residential Customer DR Participants
46,004	2,263	189

Distributed Energy Resources - Installed Energy Storage Capacity

The Company interconnected 0.3 MW (name plate rating) of energy storage capacity in calendar year 2019. This capacity represents 0.69 MW-hours of total storage capacity.

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

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4770
Performance-Based Incentive Mechanism and Scorecard Metrics
2019 Annual Report
Period January 2019 through December 2019
Page 6 of 6

The Company outperformed the tariff timelines for providing an executable ISA in calendar year 2019.

Interconnection	Tariff Allowed Days	Avg. Actual Days for ISA
Category	for ISA ⁴	January - December 2019
Simple	20	1
Expedited	45	18
Standard	105	83

⁴ See RIPUC No. 2180, Standards for Connecting Distributed Generation, Section 3.5, Table 1.

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

February 28, 2020

Date

National Grid Docket No. 4770 (Rate Application) & Docket No. 4780 (PST) Combined Service list updated 9/24/2019

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