

September 3, 2019

VIA HAND DELIVERY & ELECTRONIC MAIL

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

**RE: Docket 4770 – Application of The Narragansett Electric Company d/b/a
National Grid for Approval of a Change in Electric and Gas Base Distribution Rates
Performance Incentive Mechanism Midyear Report
Period January 2019 through June 2019**

Dear Ms. Massaro:

On behalf of National Grid, I have enclosed one original and nine copies of the Company's Performance Incentive Mechanism Midyear Report for the period January 2019 through June 2019 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,



Jennifer Brooks Hutchinson

Enclosures

cc: Docket 4770 Service List
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 Incentive Mechanism

2019 Midyear Report
January 2019 through June 2019

September 3, 2019

Docket No. 4770

Submitted to:

Rhode Island Public Utilities Commission

Submitted by:

nationalgrid

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

II. Performance-based Incentive Mechanism

System Efficiency: Annual Megawatt Capacity Savings

In the period January through June 2019, the Company enrolled a total of 33.394 megawatts (MW) of capacity towards its Annual MW Capacity Savings goal of 20 MW. The Company has also launched a “behavioral demand response” initiative¹, which the Company expects will contribute additional peak demand reductions in summer 2019. The Company will report its total annual capacity savings in its 2019 Annual Report.

| Resource Type | Customers Enrolled | Estimated Capacity Curtailment (MW) |
|---|--------------------|-------------------------------------|
| Residential Thermostat Demand Response (DR) | 2,533 | 1.390 |
| Residential Battery | 1 | 0.004 |
| Commercial & Industrial (C&I) DR | 77 | 32.000 |
| Total | 2,611 | 33.394 |

III. Scorecard Metrics

Distributed Energy Resources – Carbon Dioxide: Consumer Electric Vehicles

The Company reports 1,878 consumer electric vehicles (EVs) in operation as of June 30, 2019.² Battery electric vehicles (BEVs) comprised 38.3% of all the consumer EVs in operation at the end of 2019, and the remaining 61.7% were plug-in hybrid electric vehicles (PHEVs).

¹ Behavioral demand response is a customer engagement initiative designed to inform customers of “Peak Days,” provide them with education about peak energy use, and allow them to participate in voluntary load reduction that benefits their community.

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

| Consumer EV Type | 2019 Registered Consumer EV Forecast | Registered Consumer EVs as of June 30, 2019 |
|------------------|--------------------------------------|---|
| BEV | 1,035 | 720 |
| PHEV | 1,647 | 1,158 |
| Total | 2,682 | 1,878 |

Distributed Energy Resources - Light Duty Government and Commercial Fleet Electrification

The Company reports 103 light duty government and commercial fleet EVs in operation in its service territory as of June 30, 2019.³

| Fleet Type | 2019 Registered Fleet EV Forecast | Registered Fleet EVs as of June 30, 2019 |
|------------|-----------------------------------|--|
| Government | - | 25 |
| Commercial | - | 78 |
| Total | 141 | 103 |

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

The Company activated zero Electric Vehicle Supply Equipment (EVSE) sites at apartment buildings and in disadvantaged communities in the period January through June 2019. The Company, however, has as pipeline of prospective sites in these categories, with applications for 30 charging ports approved for incentives and applications for another 26 ports in development.

| EVSE Site Locations | 2019 Make-Ready in Service | 2019 Charging Stations in Service |
|---------------------------|----------------------------|-----------------------------------|
| Apartment Buildings | 0 | 0 |
| Disadvantaged Communities | 0 | 0 |
| Total | 0 | 0 |

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

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 zero incremental 3V₀ installations at its substations in the period January to June 2019. The Company plans to complete five incremental 3V₀ installations in the second half of 2019.

Utilization of EVSE in Low-income Areas

The Company installed zero EVSE sites through its Charging Station Demonstration Program in the period January to June 2019, and thus has no utilization figures to report.

Reduction of Uncollectible Debt

The Company reports 4,458 residential customer account enrollments in the Arrearage Forgiveness Program (AMP) as of June 30, 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.

| Month Ending | Gas Customers Enrolled in AMP | Electric Customers Enrolled in AMP | Total Customers Enrolled in AMP |
|---------------|-------------------------------|------------------------------------|---------------------------------|
| 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 57,172 residential customer account enrollments in the low-income discount (LID) January through June 2019, represented by number of customers receiving delivery service on Rate A-60, for the purposes of developing a baseline and eventually setting an enrollment target that improves upon the baseline.

| Month Ending | Gas Customers Enrolled in LID | Electric Customers Enrolled in LID | Total Customers Enrolled in LID |
|---------------|-------------------------------|------------------------------------|---------------------------------|
| 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 June 30, 2019, the Company had enrolled 221 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 |
|---|--|--|
| 48,914 | 2,533 | 221 |

Distributed Energy Resources - Installed Energy Storage Capacity

The Company had interconnected 0.10724 MW (name plate rating) of energy storage capacity at the end of June 2019. This capacity represents 0.2957 MW-hours of total storage capacity.

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

The Company outperformed the tariff timelines for providing an executable ISA in the period January through June 2019.

| Interconnection Category | Tariff Allowed Days for ISA ⁴ | Avg. Actual Days for ISA January - June 2019 |
|--------------------------|--|--|
| Simple | 20 | 1 |
| Expedited | 45 | 14 |
| Standard | 105 | 92 |

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

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

September 3, 2019

Date

Docket No. 4770 - National Grid – Rate Application
Service list updated 6/26/2019

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