

March 14, 2013

VIA HAND DELIVERY & ELECTRONIC MAIL

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

**RE: Docket 4382 - National Grid's Proposed FY 2014 Electric Infrastructure,
Safety, and Reliability Plan
Responses to Commission Data Requests - Set 2**

Dear Ms. Massaro:

On behalf of National Grid¹, I have enclosed ten (10) copies of the Company's responses to the Commission's Second Set of Data Requests issued in the above-captioned proceeding.

This transmittal, which completes the Company's responses to the Commission's Second Set of Data Requests, contains the following responses: Commission 2-3 through Commission 2-5.

Thank you for your attention to this filing. If you have any questions, please feel free to contact me at (401) 784-7667.

Very truly yours,



Thomas R. Teehan

Enclosures

cc: Docket 4382 Service List
Leo Wold, Esq.
Steve Scialabba, Division

¹ The Narragansett Electric Company d/b/a National Grid (hereinafter referred to as "National Grid" or the "Company").

Certificate of Service

I hereby certify that a copy of the cover letter and/or any materials accompanying this certificate were electronically transmitted to the individuals listed below. Paper copies of this filing were hand delivered to the Rhode Island Public Utilities Commission.

March 14, 2013

Joanne M. Scanlon

Date

Docket No. 4382 National Grid's FY 2014 Electric Infrastructure, Safety and Reliability Plan - Service List as of 1/29/13

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The Narragansett Electric Company
d/b/a National Grid
R.I.P.U.C. Docket No. 4382
In Re: Proposed FY 2014 Electric Infrastructure,
Safety and Reliability Plan
Responses to Commission's Second Set of Data Requests
Issued February 25, 2013

Commission 2-3

Request:

How many new customer service requests and outdoor lighting requests and service the Company had received in CY 2012 and in CY 2013 through February 15, 2013? Please provide this information by customer class.

Response:

The chart below provides the number of residential, commercial/industrial ("C&I") and outdoor lighting service requests the Company received for CY 2012 and for CY 2013 through February 15, 2013.

Service Requests - RI	CY 2012	CY2013 (thru 2/15)
Residential	4,601	445
C&I	1,415	113
Outdoor lighting	10	15
Total	6,026	573

Prepared by or under the supervision of: Jennifer L. Grimsley

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Commission 2-4

Request:

With regard to the Distribution Substation Replacement, exactly how many battery systems does the Company have? How many batteries are 20 years or older? Are there any batteries which are not 20 years or older but do not meet the Company's current operating requirements and perform their designed function? If yes, how many? How old are these batteries?

Response:

The Company has eighty-five battery systems, and presently six batteries have an in-service age of twenty years or older. Of the six batteries, three are in the progress of being replaced as part of the program project, and one will be replaced as an associated item under a separate specific project. One battery, out of two at the station, will be retired, and another station battery will be removed and replaced with a Remote Terminal Unit (RTU) battery, as the RTU is the only DC requirement at this station and there are no present plans for expansion. Please see the chart below for each of the locations, including project status and battery age information:

Location	Project Status	Battery Age
Clark Street 65	In-progress of replacement	23
Lakewood 57	In-progress of replacement	20
Peacedale 59	In-progress of replacement	20
Lafayette 30	Replace with RTU battery system - planned	21
Eldred 45	Being replaced under separate project - engineering	unknown
Elmwood 7 Outdoor	Being retired under separate project - engineering	20

There are presently two battery systems that do not meet the Company's current operating requirements and need replacement due to poor condition and reliability. The battery bank at Geneva 71 has corrosion on the posts and broken straps. This is an early indication of battery failure. This battery has fourteen years of in-service operation. The battery bank at Merton 51 is a design that is not expected to last twenty years of in-service operation and is presently at sixteen years. The battery charger is twenty-six years and is in need of replacement.

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Commission 2-5

Request:

With regard to the Spare Substation Transformer Program, the Company is planning to purchase three spare transformers in FY 2014. Please provide detailed information on the locations where the Company is planning to use these transformers.

Response:

The 34.5 – 11 kV, 12/16/20 MVA transformer spare is being purchased to provide coverage for the two transformers located at Franklin Square Substation in Providence. The station feeds a critical customer, Rhode Island Hospital.

The 22 kV – 11 kV, 7.5/15 MVA transformer spare is being purchased to provide coverage for the two transformers located at Admiral Street and South Street Substation in Providence. Admiral Street substation serves 2,166 customers, and South Street serves 964 customers.

The 23 kV grounding bank transformer spare is being purchased to provide coverage for the three, single phase grounding banks at Elmwood Substation located in Providence. This station serves 8,800 customers.

Prepared by or under the supervision of: Jennifer Grimsley