Celia B. O'Brien
Assistant General Counsel and Director

October 28, 2015

VIA HAND DELIVERY & ELECTRONIC MAIL

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

RE: Docket 4568 – The Narragansett Electric Company d/b/a National Grid
Review of Electric Distribution Rate Design Pursuant to R.I. Gen. Laws § 39-26.6-24
Responses to Division Data Requests – Set 3

Dear Ms. Massaro:

On behalf of National Grid[1], I enclose ten (10) copies of the Company's responses to the third set of data requests issued by the Division of Public Utilities and Carriers (Division) on October 7, 2015 in the above-referenced docket.

Thank you for your attention to this transmittal. If you have any questions concerning this filing, please contact me at 781-907-2153.

Very truly yours,

Celia B. O'Brien

Enclosures

cc: Docket 4568 Service List
Leo Wold, Esq.
Karen Lyons, Esq.
Steve Scialabba

[1] The Narragansett Electric Company d/b/a National Grid (National Grid or the Company).

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.

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

October 28, 2015
Date

Docket No. 4568 National Grid's Rate Design Pursuant to R.I. Gen. Laws Sec 39-26.6-24
Service List updated 10/23/15

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File an original & 9 copies w/ PUC: Luly E. Massaro, Commission Clerk **Public Utilities Commission** 89 Jefferson Blvd. Warwick, RI 02888	Luly.massaro@puc.ri.gov; Cynthia.wilsonfrias@puc.ri.gov; Alan.nault@puc.ri.gov; Todd.bianco@puc.ri.gov;	401-780-2107
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Division 3-1

Request:

For contracts pursuant to which the Company purchases the output of a distributed generator, please specify definition of the Delivery Point.

Response:

The definition of the term "Delivery Point" set forth in the Distributed Generation Standard Contracts Program Power Purchase Agreement is as follows:

"Delivery Point" shall mean the Facility's busbar on Seller's side of the interconnection point with Buyer's distribution system located within the Facility substation, the currently contemplated location of which is shown as the revenue meter location in Appendix A to the Cover Sheet hereto."

The Delivery Point is the point at which the Company's revenue meter is installed.

Prepared by or under the supervision of:
Peter T. Zschokke, Jeanne A. Lloyd and Timothy R. Roughan

Division 3-2

Request:

For any existing generator that is connected to and injects power into the Company's distribution system, does the Company purchase all of the output of these existing generators on behalf of Rhode Island customers? If so, please provide the name and location of the generator, its size, and the delivery point at which the Company takes title to the power and energy. If not, please provide the portion purchased by the Company and the disposition of the remainder, if known.

Response:

Yes, the Company purchases all of the output of existing stand-alone distributed generators on behalf of Rhode Island customers to further the public policy goals of the State of Rhode Island[1]. Please see the Company's response to PUC 1-18 for the name, location, and size of these generators. As discussed in the Company's response to Division 3-1, the delivery point at which the Company takes title to the power and energy is the point at which the Company's revenue meter is installed.

Similarly, the Company also purchases all of the output of existing net-metered generators (i.e., generators that are not stand-alone and serve some or all of a customer's on-site electric load) on behalf of all Rhode Island customers to further public policy goals of the State of Rhode Island. The amount of exported energy varies by customer and by the size of the on-site generation. The remainder of the generated energy is the amount that is consumed on-site. The delivery point at which the Company takes title to the power and energy is the point at which the Company's revenue meter is installed. The meter that is used for net-metered generators measures only the netted amount of generated energy to on-site usage. Without additional metering, it is not possible to determine the exact amount of energy generated or the exact amount of energy consumed on-site for existing net-metered generators. The Company compensates the generator, on behalf of all Rhode Island customers, for the kWhs of generated energy that is offset by kWhs of on-site electric usage at the average value of the rates in effect during the billing month for the rate class applicable to the net-metered generator known as displaced electricity. The Company compensates the generator, on behalf of all Rhode Island customers, for the exported energy by

[1] The Company does not purchase the output from these generators for the same purpose as it purchases power for providing standard offer service or transmission service to its customers. The Company purchases the output from the stand-alone distributed generators and net-metered generators because the Company is required to do so to further public policy goals of the State of Rhode Island. The Company then sells this output to mitigate the cost of buying it on behalf of all Rhode Island customers.

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multiplying the negative, or excess, kWh[2] by the (i) standard offer service kWh charge for the rate class applicable to the net metering customer; (ii) distribution kWh charge; (iii) transmission kWh charge; and (iv) transition kWh charge to calculate a net metering credit for that particular month. This exported energy is often referred to as excess electricity or excess generation. For purposes of determining whether the generator's annual generation has exceeded on-site usage, the Company considers the "billing period" to be a 12-month period. Therefore, on an annual basis, the Company reviews the account to ensure that no excess generation has occurred during the 12-month period. If there is excess generation at the end of the period, the Company will re-value the excess generation at the standard offer service rate, as required by the Company's Net Metering Provision, RIPUC No. 2150, and charge the customer for the difference between (1) the renewable net metering credit that had been credited to the customer's account over the 12 months, and (2) the standard offer service rate multiplied by the excess generation.

As an example of how this works, using the chart below, which was provided in the Company's response to CLF 1-7, the electricity under the "Average May hourly use for A-16" curve and the "Average May hourly PV production for a 5.4 kW array" curve is the displaced electricity. The electricity above the "Average May hourly PV Production for a 5.4 kW array" curve is the excess electricity.

[2] In this case, the current month's meter reading is less than the prior month's meter reading because the meter "spins backwards" and results in a net negative kWh amount.

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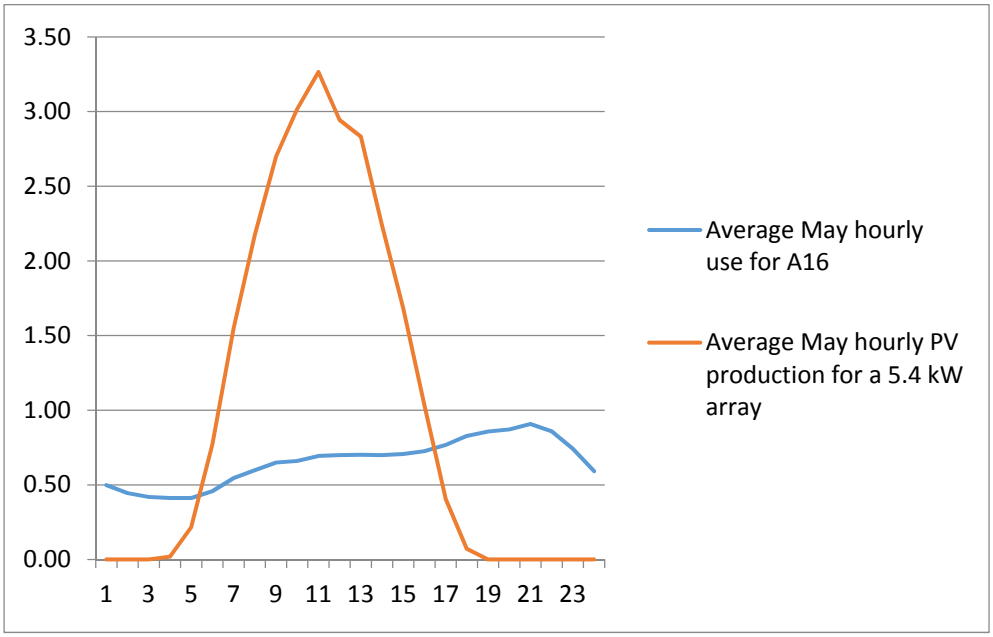

Division 3-3

Request:

Are there any existing generators that are connected to and inject power into the Company's distribution system whose output is sold to entities outside of Rhode Island? If so, please provide the name and location of the generator, and its size.

Response:

The Company is not aware of any generator that is connected to, and injects power into, the Company's distribution system that sells its output to entities outside of Rhode Island.