



100 Westminster Street, Suite 1500
Providence, RI 02903-2319

p: 401-274-2000 f: 401-277-9600
hinckleyallen.com

Adam M. Ramos
aramos@hinckleyallen.com
Direct Dial: 401-457-5164

September 11, 2018

Via Electronic Mail and Hand Delivery

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

**RE: Docket 4755 – 2018 Energy Efficiency Program Plan
Response to Division Data Request 7-6**

Dear Ms. Massaro:

I have enclosed ten copies of National Grid's¹ response to data request Division 7-6.

This transmittal completes the Company's responses to the seventh set of data requests issued by the Rhode Island Division of Public Utilities and Carriers (Division) in the above-referenced docket.

Thank you for your attention to this filing. If you have any questions concerning this matter, please contact me at 401-457-5164.

Very truly yours,

A handwritten signature in blue ink, appearing to read 'Adam M. Ramos'.

Adam M. Ramos
Enclosures

cc: Docket 4755 Service List
Jon Hagopian, Esq.

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

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4755
In Re: 2018 Energy Efficiency Plan
Notification of an Energy Efficiency Incentive Greater Than \$3,000,000
Responses to the Division's Seventh Set of Data Requests
Issued on August 20, 2018

Division 7-6

Request:

Corrected Attachment 3-1 contains a cell labeled "Total kWh saved" and contains a figure of 36,155,157. Please identify and explain the source of this figure and how it was determined. If it was calculated, please provide the calculation with appropriate references. Please also explain why the "selected project" under the "budget project cost" tab shows the total kilo-watthour production 42,740,341, while total kWh saved is 36,155,157. What is the total annual kWh parasitic load that is assumed for the unit?

Response:

In this response, the Company assumes that the Division intended to ask about "Attachment DIV 1-3 Corrected," as opposed to "Corrected Attachment 3-1."

Attachment DIV 1-3 Corrected includes the 36,155,757 kWh/yr. of net electricity generated by the CHP system and the source of the estimate is an energy model developed by Efficiency By Design, which part of BQ Energy's project development team. The energy model calculates the kWh. The energy model is proprietary to Efficiency By Design with whom the Company has executed a non-disclosure agreement (NDA). The Company is reviewing the NDA to determine whether we can provide the model subject to confidential treatment and an NDA to be executed with the Division. Therefore, the Company has not included the energy model with this response.

The Company provided the budget project cost in Attachment DIV 1-3 Corrected to include a reference to costs. That reference preceded later modifications to the energy model and, therefore, contains an estimate of 42,740,341 kWh per year.

As explained in DIV 7-3, during project development, the Company's technical experts worked with Efficiency by Design to review the project estimates and increase the efficiency of the system from 55% to 58% by suggesting reduced CHP run hours during times of low thermal utilization. The Company provides this type of technical expertise on all CHP projects to maximize the efficiency of CHPs being considered for incentives. As a result of the technical review, the energy model parameters were adjusted, increasing the overall efficiency from 55.8% to 58.0% while reducing the kWh generation estimate from 42,740,341 to 36,155,157.

The energy model uses 213 kW of parasitic load when the CHP is operating. The parasitic usage already has been deducted from the total output of the CHP system, resulting in the 36,155,757 kWh/yr. total net generation estimate.

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 11, 2018
Date

Docket No. 4755 - National Grid – Energy Efficiency Program Plan for 2018
Docket No. 4756 - National Grid – 2018 System Reliability Procurement
Report (SRP)
Service list updated 7/9/18

Name/Address	E-mail Distribution List	Phone
Raquel Webster, Esq. National Grid 280 Melrose St. Providence, RI 02907	Raquel.webster@nationalgrid.com;	781-907-2121
	Joanne.scanlon@nationalgrid.com;	
	Celia.obrien@nationalgrid.com;	
	Rachel.henschel@nationalgrid.com;	
Jon Hagopian, Esq. Division of Public Utilities and Carriers	Jon.hagopian@dpuc.ri.gov;	401-784-4775
	Al.mancini@dpuc.ri.gov;	
	Macky.McCleary@dpuc.ri.gov;	
	Jonathan.Schrag@dpuc.ri.gov;	
	john.bell@dpuc.ri.gov; Albert.DeMiranda@dpuc.ri.gov;	
Tim Woof Jennifer Kallay Synapse Energy Economics 22 Pearl Street Cambridge, MA 02139	twoolf@synapse-energy.com;	
	jkallay@synapse-energy.com;	
Marisa Desautel, Esq. (EERMC) Law Office of Marisa Desautel, LLC 55 Pine St. Providence, RI 02903	marisa@desautelesq.com;	401-477-0023
Mike Guerard, Optimal Energy	guerard@optenergy.com;	
Mark E. LeBel, Esq. Acadia Center 31 Milk Street Suite 501 Boston, MA 02108	mlebel@acadiacenter.org;	617-742-0054 Ext. 104
	ENiedowski@acadiacenter.org;	
Carol Grant, Commissioner Office of Energy Resources (OER)	Carol.grant@energy.ri.gov;	
	Christopher.Kearns@energy.ri.gov;	
	Danny.Musher@energy.ri.gov;	
	Nicholas.Ucci@energy.ri.gov ;	
	Becca.Trietch@energy.ri.gov; Carrie.Gill@energy.ri.gov ;	

Andrew Marcaccio, Esq. Dept. of Administration Division of Legal Services One Capitol Hill, 4 th Floor Providence, RI 02908	Andrew.Marcaccio@doa.ri.gov ;	401-222-8880
Larry Chretien, Executive Director People's Power and Light	Larry@massenergy.org ;	
Original & 9 copies file w/: Luly E. Massaro, Commission Clerk Linda George, PUC Counsel Public Utilities Commission 89 Jefferson Blvd. Warwick, RI 02888	Luly.massaro@puc.ri.gov ; Linda.george@puc.ri.gov ; Alan.nault@puc.ri.gov ; Todd.bianco@puc.ri.gov ; Margaret.hogan@puc.ri.gov ;	401-780-2107
Frederick Sneesby Dept. of Human Services	Frederick.sneesby@dhs.ri.gov ;	
Douglas W. Gablinske, Executive Director The Energy Council of RI (TEC-RI)	doug@tecri.org ;	
Kat Burnham, PPL	kat@ripower.org ;	