

December 18, 2013

VIA HAND DELIVERY & ELECTRONIC MAIL

Luly E. Massaro, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI02888

**RE: Docket 4453 – The Narragansett Electric Company, d/b/a National Grid
2014 System Reliability Procurement Report
Responses to Record Requests**

Dear Ms. Massaro:

Enclosed are ten (10) copies of National Grid's¹ responses to the Record Requests issued at the Commission's evidentiary hearing on December 13, 2013 in the above-captioned proceeding.

Thank you for your attention to this filing. If you have any questions, please feel free to contact me at (401) 784-7288.

Very truly yours,



Jennifer Brooks Hutchinson

cc: Docket 4453 Service List
Karen Lyons, Esq.
Jon Hagopian, Esq.
Steve Scialabba, Division

¹ The Narragansett Electric Company d/b/a National Grid (referred to herein 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. Copies of this filing will be hand delivered to the RI Public Utilities Commission and the RI Division of Public Utilities and Carriers.



Joanne M. Scanlon

December 18, 2013

Date

Docket No. 4453 - National Grid - 2014 System Reliability Plan
Service list updated 11/5/13

Name/Address	E-mail Distribution List	Phone
Jennifer Brooks Hutchinson, Esq. National Grid 280 Melrose St. Providence, RI 02907	Jennifer.hutchinson@nationalgrid.com	401-784-7288
	Thomas.teehan@nationalgrid.com	
	Joanne.scanlon@nationalgrid.com	
	Celia.obrien@nationalgrid.com	
	Jeremy.newberger@nationalgrid.com	
Karen Lyons, Esq. Dept. of Attorney General 150 South Main St. Providence, RI 02903	klyons@riag.ri.gov	
	dmacrae@riag.ri.gov	
	Jmunoz@riag.ri.gov	
Jon Hagopian, Esq. Division of Public Utilities and Carriers	Jhagopian@dpuc.ri.gov	401-784-4775
	Dstearns@dpuc.ri.gov	
	Acontente@dpuc.ri.gov	
	Sscialabba@dpuc.ri.gov	
	Jshilling@dpuc.ri.gov	
	Jspirito@dpuc.ri.gov	
R. Daniel Prentiss, P.C. (for EERMC) Prentiss Law Firm One Turks Head Place, Suite 380 Providence, RI 02903	dan@prentisslaw.com	401-824-5150
S. Paul Ryan (for EERMC)	spryan@eplaw.necoxmail.com	
Jamie Howland Environment Northeast 101 Tremont St., Suite 401 Boston, MA 02108	jhowland@env-ne.org	617-742-0054
	aanthony@env-ne.org	
Scudder Parker VEIC	sparker@veic.org	
Tim Woof Jennifer Kallay	twoolf@synapse-energy.com	

Synapse Energy Economics 22 Pearl Street Cambridge, MA 02139	jkallay@synapse-energy.com	
Original & 10 copies file w/: Luly E. Massaro, Commission Clerk Public Utilities Commission 89 Jefferson Blvd. Warwick, RI 02888	Luly.massaro@puc.ri.gov	401-780-2107
	Amy.Dalessandro@puc.ri.gov	
	Alan.nault@puc.ri.gov	
	Nicholas.ucci@puc.ri.gov	
Marion S. Gold, OER	Marion.Gold@energy.ri.gov	
Christopher Kearns, OER	Christopher.Kearns@energy.ri.gov	

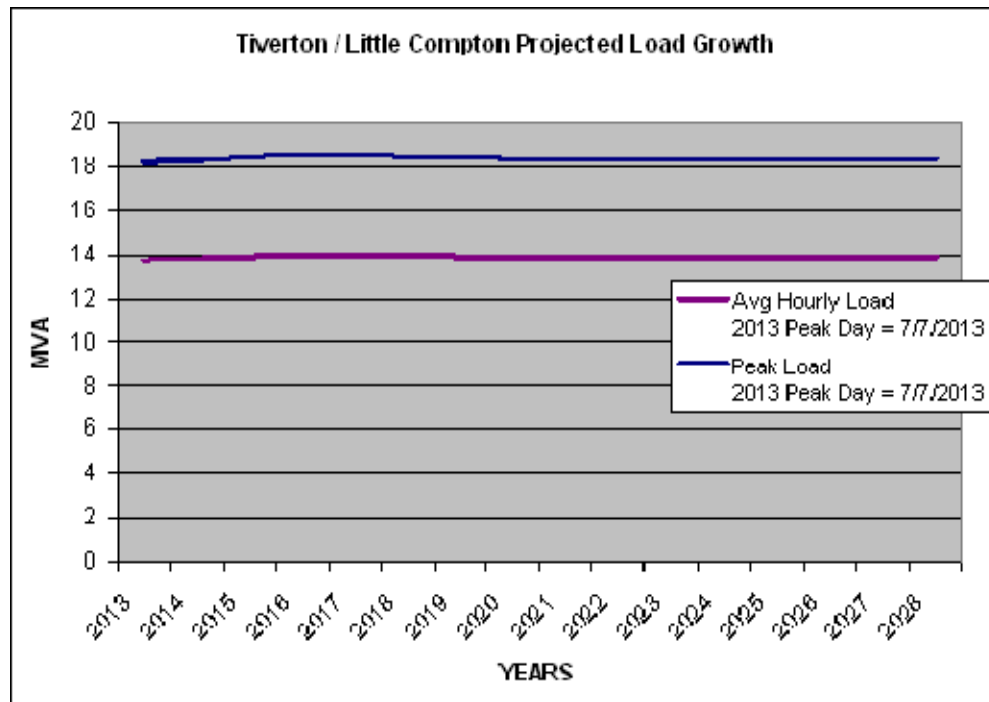
Record Request 1

Request:

Please provide a graph showing the projected load growth for the Pilot area using the average day load and peak day load.

Response:

The following graphs represent electric loads for feeders 33F3 + 33F4 in MVA (raw power). These feeders comprise the Pilot area. Average and peak data are shown on the same graph. The load decreases in the long term as a result of the energy efficiency modeling in our forecast process.



Record Request 2

Request:

Please provide the cost of the Tiverton substation upgrade in 2018 dollars. Please include all assumptions used in the analysis.

Response:

	Distribution	Substation	Total
Capital	\$1,884,044	\$848,371	\$2,732,415
O&M	\$44,071	\$88,143	\$132,214
Removal	\$176,285	\$88,143	\$264,428
Totals	\$2,104,400	\$1,024,657	\$3,129,057

These estimates include an assumed inflation rate of 1.6%, as was used for the 2013 estimates stated in the 2014 SRP Report.

Record Request 3

Request:

Please provide the service life of the Tiverton substation.

Response:

The Tiverton substation is a well-developed station that has been expanded in stages over a number of years. Therefore, the service life of the many existing components varies greatly. However, the substation expansion considered in the costs shown in response to RR#2 can be considered to have a 30-year service life. This substation expansion scope includes certain instruments and equipment with useful lives between 20 and 40 years, but 30 years is a reasonable average for the expansion as a whole.