

November 3, 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
Supplemental Response to PUC Data Request 1-18**

Dear Ms. Massaro:

On behalf of National Grid¹, I enclose ten (10) copies of the Company's supplemental response to PUC Data Request 1-18 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

Enclosure

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

November 3, 2015

Date

**Docket No. 4568 National Grid's Rate Design Pursuant to R.I. Gen. Laws Sec 39-26.6-24
Service List updated 10/29/15**

Parties' Name/Address	E-mail	Phone
National Grid Celia B. O'Brien, Esq. National Grid 280 Melrose Street Providence, RI 02907	Celia.obrien@nationalgrid.com ;	781-907-2153
	Joanne.scanlon@nationalgrid.com ;	
	Theresa.burns@nationalgrid.com ;	
	Jeanne.lloyd@nationalgrid.com ;	
	Ian.springsteel@nationalgrid.com ;	
	Timothy.roughan@nationalgrid.com ;	
	Peter.zschokke@nationalgrid.com ;	
Nick Horan, Esq. Jack Habib, Esq. Keegan Werlin LLP	NHoran@keeganwerlin.com ;	
	JHabib@keeganwerlin.com ;	
Division of Public Utilities & Carriers (Division) Leo Wold, Esq. Karen Lyons, Esq. Dept. of Attorney General 150 South Main St. Providence, RI 02903	Lwold@riag.ri.gov ;	401-222-2424 Ext. 2218
	Klyons@riag.ri.gov ;	
	Jmunoz@riag.ri.gov ;	
	Dmacrae@riag.ri.gov ;	
	Steve.scialabba@dpuc.ri.gov ;	
	Al.contente@dpuc.ri.gov ;	
Richard Hahn Lacapra Associates 1 Washington Mall, 9th floor Boston, MA 02108	rhahn@lacapra.com ;	
	apereira@lacapra.com ;	
Office of Energy Resources (OER) Daniel W. Majcher, Esq. Dept. of Administration Division of Legal Services One Capitol Hill, 4 th Floor Providence, RI 02908	Daniel.majcher@doa.ri.gov ;	401-222-8880
Marion Gold, Commissioner Office of Energy Resources One Capitol Hill, 4 th Floor Providence, RI 02908	Marion.gold@energy.ri.gov ;	401-574-9113
	Nicholas.Ucci@energy.ri.gov ;	
	Danny.musher@energy.ri.gov ;	
	Christopher.kearns@energy.ri.gov ;	

Conservation Law Foundation (CLF) Jerry Elmer, Esq. Conservation Law Foundation 55 Dorrance Street Providence, RI 02903	jelmer@clf.org ;	401-351-1102 Ext. 2012
Acadia Center Mark E. LeBel Acadia Center 31 Milk Street Suite 501 Boston, MA 02108	mlebel@acadiacenter.org ;	617-742-0054 Ext. 104
	aanthony@acadiacenter.org ;	
	lmalone@acadiacenter.org ;	
Quentin Anthony, Attorney at Law 41 Long Wharf Mall Newport, RI 02840	qanthony@verizon.net ;	401-847-1008
Energy Efficiency Resources Mgmt. Council (EERMC) Marisa Desautel, Esq. Law Office of Marisa Desautel, LLC 55 Pine St. Providence, RI 02903	marisa@desautelesq.com ;	401-477-0023
Scudder Parker 128 Lakeside Avenue Suite 401 Burlington, VT 05401	sparker@veic.org ;	
Walmart Melissa M. Horne, Esq. Higgings, Cavanagh & Cooney, LLP 123 Dyer St. Providence, RI 02903	mhorne@hcc-law.com ;	401-272-3500
Stephen W. Chriss, Sr. Mgr. Regulatory Analysis Walmart 2001 Southeast 10 th St. Bentonville, AR 72716-5530	Stephen.chriss@walmart.com ;	479-204-1594
New England Clean Energy Council (NECEC) Joseph A. Keough, Jr., Esq. Keough & Sweeney 41 Mendon Ave. Pawtucket, RI 02861	jkeoughjr@keoughsweeney.com ;	401-724-3600
Sue AnderBois Janet Besser New England Clean Energy Council	sanderbois@necec.org ;	
	jbesser@necec.org ;	
Wind Energy Development (WED) Seth H. Handy Handy Law, LLC 42 Weybosset Street Providence, RI 02903	seth@handylawllc.com ;	401-626-4839
Michelle Carpenter Wind Energy Development, LLC 3760 Quaker Lane North Kingstown, RI 02852	md@wedenergy.com ;	
The Alliance for Solar Choice (TASC) Michael McElroy, Esq. Leah J. Donaldson, Esq.	Michael@McElroyLawOffice.com ;	401-351-4100

Schacht & McElroy PO Box 6721 Providence, RI 02940-6721	Leah@McElroyLawOffice.com ;	
Thadeus B. Culley, Esq. Keyes, FOX & Weidman LLP 401 Harrison Oaks Blvd., Suite 100 Cary, NC 27517	tculley@kfwlaw.com ;	510-314-8205
Gracie Walovich Carine Dumit Katie Sheldon Evan Dube	gracie@allianceforsolarchoice.com ; cdumit@solarcity.com ; ksheldon@solarcity.com ; evand@sunrunhome.com ;	
Dept. of the Navy (Navy) Allison Genco, Esq. NAVFAC HQ- Building 33 Dept. of the Navy 1322 Patterson Ave SE, Suite 1000 Washington Navy Yard, D.C. 20374-5065	allison.genco@navy.mil ;	
Dr. Kay Davoodi, P.E., Director Utility Rates and Studies Office NAVFAC HQ- Building 33 Dept. of the Navy 1322 Patterson Ave SE, Suite 1000 Washington Navy Yard, D.C. 20374-5065	Khojasteh.davoodi@navy.mil ;	
Larry R. Allen, Public Utilities Specialist Dept. of the Navy	Larry.r.allen@navy.mil ;	
Maurice Brubaker P.O. Box 412000 St. Louis, Missouri 63141-2000 636-898-6726	mbrubaker@consultbai.com ;	636-898-6726
Ali Al-Jabir 5106 Cavendish Drive Corpus Christi, TX 78413	aaljabir@consultbai.com ;	361-994-1767
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
Linda George, RI Senate Policy	lgeorge@rilin.state.ri.us ;	
Matt Davey, Silver Sprint Networks	mdavey@silverspringnet.com ;	
Christopher Long	christopher.long@opower.com ;	
Douglas Gablinske, The Energy Council-RI	Doug@tecri.org ;	
Eugenia T. Gibbons, ECANE d/b/a Mass Energy & People's Power & Light	eugenia@massenergy.org ;	
Laurence Ehrhardt	replarry@gmail.com ;	

Energy Development Partner Christian F. Capizzo, Counsel Shechtman Halperin Savage, LLP 1080 Main St. Pawtucket, RI 02860	ccapizzo@shslawfirm.com ;	401- 272-1400
Frank A. Epps, Managing Director, USA Energy Development Partners, LLC 51 Industrial Drive North Smithfield, RI 02896	frank@edp-energy.com ;	401-884-2248

Supplemental
PUC 1-18

Request:

Please explain how the proposed Access Fee will affect current standalone DG projects. What additional costs will each face. How many are operational? How many will be operational in the next twelve months? Please provide without any identifying customer information.

Response:

The proposed Access Fee will assure standalone DG projects pay their fair share for the use of the distribution system. Currently, these projects export all their electric production out onto the distribution system resulting in on-going operation and maintenance costs that are currently paid for by all other customers.

The table below provides the initial estimates for existing stand-alone DG projects. The Company has completed its evaluation of the capacity availability factor for solar, wind and hydro. These values are 40% for solar, 30% for wind, and 10% for hydro. The calculation for anaerobic digesters is still being evaluated, so is still estimated at 40%. These values have been inserted into the revised table below as well as an estimate of proposed DG access fee annual costs. In addition, the Company realized it had erred in the initial calculations of the Access Fee for units #4, 12, 14, 18, 20, 21, 22, 23, 38, 39, 41, and 42 and has now corrected the calculations.

Please see the Company's response to PUC 1-21 for a discussion regarding the optimum solution for pricing in this situation.

The Narragansett Electric Company
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RIPUC Docket No. 4568
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PUC 1-18, page 2

Unit Identifier	Type	Nameplate kW	Primary (P) or Secondary (S) access fee	Availability Factor	Proposed DG access fee annual costs
1	Hydro	1,200	P	10%	\$7,200
2	Hydro	1,800	S	10%	\$15,660
3	Hydro	1,200	P	10%	\$7,200
4	Wind	275	S	30%	\$7,178
5	Wind	1,500	P	30%	\$27,000
6	Solar	2,000	P	40%	\$48,000
7	Solar	500	P	40%	\$12,000
8	Solar	500	P	40%	\$12,000
9	Solar	500	P	40%	\$12,000
10	Solar	2,000	P	40%	\$48,000
11	Solar	3,000	P	40%	\$72,000
12	Solar	135	S	40%	\$4,698
13	Solar	1,833	P	40%	\$43,992
14	Solar	320	S	40%	\$11,136
15	Solar	500	P	40%	\$12,000
16	Solar	500	P	40%	\$12,000
17	Solar	300	P	40%	\$7,200
18	Solar	300	S	40%	\$10,440
19	Solar	850	P	40%	\$20,400
20	Solar	128	S	40%	\$4,454
21	Solar	50	S	40%	\$1,740
22	Solar	56	S	40%	\$1,949
23	Solar	72	S	40%	\$2,506
24	Solar	499	P	40%	\$11,976
25	Solar	1,375	P	40%	\$33,000

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

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PUC 1-18, page 3

The table below provides the estimates for projects expected to come on-line between now and September 2017:

Name	Type	Nameplate kW	Primary (P) or Secondary (S) access fee	Availability Factor	Proposed DG access fee annual costs
26	Solar	500	P	40%	\$12,000
27	Solar	1,298	P	40%	\$31,152
28	Solar	498	P	40%	\$11,952
29	Solar	110	S	40%	\$3,828
30	Solar	1,246	P	40%	\$29,904
31	Solar	895	P	40%	\$21,480
32	Anaerobic Dig	500	P	40%	\$12,000
33	Solar	1,250	P	40%	\$30,000
34	Solar	1,250	P	40%	\$30,000
35	Solar	1,246	P	40%	\$29,904
36	Solar	1,242	P	40%	\$29,808
37	Solar	1,043	P	40%	\$25,032
38	Solar	500	P	40%	\$12,000
39	Solar	500	P	40%	\$12,000
40	Solar	499	P	40%	\$11,976
41	Solar	270	S	40%	\$9,396
42	Solar	173	S	40%	\$6,020
43	Wind	1,500	P	30%	\$27,000
44	Wind	1,500	P	30%	\$27,000

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