

June 15, 2015

**VIA HAND DELIVERY & ELECTRONIC MAIL**

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

**RE: Docket 4535 - Long-Term Contracting for Renewable Energy Recovery Factor Supplemental Attachment 1**

Dear Ms. Massaro:

Pursuant to Rhode Island Public Utilities Commission's (PUC) request on Friday, June 12, 2015, enclosed are ten (10) copies of National Grid's<sup>1</sup> Supplemental Attachment 1.

Thank you for your attention to this filing. Please feel free to contact me if you have any questions concerning this matter at 401-784-7288.

Very truly yours,



Jennifer Brooks Hutchinson

Enclosures

cc: Docket 4535 Service List  
Leo Wold, Esq.  
Steve Scialabba

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<sup>1</sup> 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.



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Joanne M. Scanlon

5/13/2015

Date

### **Docket No. 4535 - National Grid – Filing to Amend Long-Term Contracting Recovery Factor**

**Service List updated 5/13/15**

<b>Name/Address</b>	<b>E-mail Distribution</b>	<b>Phone</b>
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<b>File an original &amp; 9 copies w/:</b> Luly E. Massaro, Commission Clerk Public Utilities Commission 89 Jefferson Blvd. Warwick, RI 02888	<a href="mailto:Luly.massaro@puc.ri.gov">Luly.massaro@puc.ri.gov</a> ;	401-780-2017
	<a href="mailto:Cynthia.WilsonFrias@puc.ri.gov">Cynthia.WilsonFrias@puc.ri.gov</a> ;	
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**Long-Term Contracting for Renewable Energy Recovery  
Factor Calculation  
For the Period July 2015 through December 2015**

(1) Above Market Cost for the period July 2015 through December 2015	\$4,606,557
(2) Forecasted kWh Deliveries - July 2015 through December 2015	3,961,778,283
(3) Recovery Factor for Estimated Above Market Cost	\$0.00116
(4) Adjustment for Uncollectibles	<u>1.25%</u>
(5) Proposed LTC Recovery Factor for the period July 1, 2015 through December 31, 2015	\$0.00117
(6) Currently Effective LTC Recovery Reconciliation Factor	<u>\$0.00113</u>
(7) Total Proposed LTC Recovery Factor	\$0.00230
(8) Current LTC Recovery Factor	<u>\$0.00057</u>
(9) Increase in LTC Recovery Factor	\$0.00173

Line Descriptions:

- (1) per page 4, column (c), Line (24)
- (2) per Company forecast
- (3) Line (1) ÷ Line (2), truncated after five decimal places
- (4) uncollectible percentage approved in RIPUC Docket No. 4323
- (5) Line (3) x [1 + Line (4)], truncated to five decimal places
- (6) per RIPUC Docket No. 4554, Schedule JAL-17, page 1, line (8)
- (7) Line (5) + Line (6)
- (8) per tariff
- (9) Line (7) - Line (8)

**Long-Term Contracting for Renewable Energy Recovery  
Estimated Contract Cost  
For the Period July 2015 through December 2015**

**Estimated Six-Month Contract Cost**

	<u>Unit</u>	<u>Unit</u> <u>Capacity (MW)</u>	<u>Commercial</u> <u>Operation Date</u>	<u>Unit</u> <u>Factor</u>	<u>Estimated</u> <u>Six-Month</u> <u>Output (MWh)</u>	<u>Contract Price</u> <u>(\$ per MWh)</u>	<u>Estimated</u> <u>Six-Month</u> <u>Contract Cost</u>
		(a)	(b)	(c)	(d)	(e)	(f)
(1)	RI LFG Genco Asset No. 40054	32.100	05/28/13	85%	119,508.3	\$129.01	\$15,417,945
(2)	Wind Energy Dev. NK Green LLC Asset No. 42394	1.500	03/01/13	24%	1,576.8	\$133.50	\$210,503
(3)	Con Edison Development Plain Mtg House Asset No. 43512	2.000	07/19/13	14%	1,226.4	\$275.00	\$337,260
(4)	ACP Land LLC 28 Jacome Way Asset No. 43527	0.500	07/18/13	14%	306.6	\$316.00	\$96,886
(5)	Comtram Cable Asset No. 43586	0.499	09/30/13	14%	306.0	\$316.00	\$96,692
(6)	CCI New England 500 kW Asset No. 43607	0.498	10/25/13	14%	305.4	\$316.00	\$96,498
(7)	Conanicut Marine Services (CMS) Solar Asset No. 43685	0.128	10/21/13	14%	78.5	\$288.00	\$22,605
(8)	Black Bear Orono B Hydro Asset No. 38083	3.958	11/22/13	90%	15,602.4	\$94.68	\$1,477,182
(9)	West Davisville Solar Asset No. 43716	2.340	12/06/13	14%	1,434.9	\$236.99	\$340,054
(10)	Forbes Street Solar Asset No. 43762	3.710	12/20/13	14%	2,275.0	\$239.00	\$543,718
(11)	CCI New England 181 kW Asset No. 43921	0.181	02/27/14	14%	111.0	\$316.00	\$35,073
(12)	100 Dupont Solar Asset No. 44003	1.500	03/25/14	14%	919.8	\$209.00	\$192,238
(13)	225 Dupont Solar Asset No. 44004	0.300	03/25/14	14%	184.0	\$316.00	\$58,131
(14)	35 Martin Solar Asset No. 44006	0.500	03/27/14	14%	306.6	\$316.00	\$96,886
(15)	0 Martin Solar Asset No. 44005	0.500	03/27/14	14%	306.6	\$316.00	\$96,886
(16)	Gannon & Scott Solar Asset No. 44010	0.406	04/29/14	14%	249.0	\$284.00	\$70,704
(17)	All American Foods Solar Asset No. 46721	0.331	10/24/14	14%	203.0	\$284.00	\$57,643
(18)	Brickle Group Solar Project Asset No. 46911	1.084	12/04/14	14%	664.7	\$184.90	\$122,905
(19)	T.E.A.M. Inc. Solar Asset No. 46913	0.182	12/11/14	14%	111.6	\$288.00	\$32,141
(20)	Newport Vineyards Solar Asset No. 46917	0.053	12/15/14	14%	32.5	\$299.50	\$9,734
(21)	SER Solar 23 Appian Way Asset No. 46926	0.052	12/17/14	14%	31.9	\$277.57	\$8,851
(22)	Nexamp 76 Stilson Rd. Asset No. 47020	0.498	02/28/15	14%	305.4	\$194.88	\$59,511
(23)	Randall Steere Farm Asset No. 46998	0.091	03/18/15	14%	<u>55.8</u>	\$299.49	<u>\$16,712</u>
(24)		Total			146,102		\$19,496,757

Column Descriptions:

- (a) commercially operable units
- (b) start date of commercial operation
- (c) estimated
- (d) column (a) x column (c) x (8,760 ÷ 2) hours
- (e) per PPA
- (f) column (d) x column (e)

**Long-Term Contracting for Renewable Energy Recovery  
Estimated Market Value  
For the Period July 2015 through December 2015**

**Estimated Market Value**

	<u>Unit</u>	<u>Estimated MWh Purchased Under Contracts</u> (a)	<u>Market Energy Proxy</u> (b)	<u>Energy Market Value</u> (c)	<u>REC Proxy</u> (d)	<u>REC Market Value</u> (e)	<u>Capacity</u> (f)	<u>Total Market Value</u> (g)
(1)	RI LFG Genco Asset No. 40054	119,508.3	\$47.97	\$5,733,029	\$50.12	\$5,989,756	\$558,792	\$12,281,577
(2)	Wind Energy Dev. NK Green LLC Asset No. 42394	1,576.8	\$47.97	\$75,642	\$50.12	\$79,029		\$154,671
(3)	Con Edison Development Plain Mtg House Asset No. 43512	1,226.4	\$47.97	\$58,833	\$50.12	\$61,467		\$120,300
(4)	ACP Land LLC 28 Jacome Way Asset No. 43527	306.6	\$47.97	\$14,708	\$50.12	\$15,367		\$30,075
(5)	Comtram Cable Asset No. 43586	306.0	\$47.97	\$14,679	\$50.12	\$15,336		\$30,015
(6)	CCI New England 500 kW Asset No. 43607	305.4	\$47.97	\$14,649	\$50.12	\$15,305		\$29,955
(7)	Conanicut Marine Services (CMS) Solar Asset No. 43685	78.5	\$47.97	\$3,765	\$50.12	\$3,934		\$7,699
(8)	Black Bear Orono B Hydro Asset No. 38083	15,602.4	\$47.97	\$748,477	\$50.12	\$781,994		\$1,530,471
(9)	West Davisville Solar Asset No. 43716	1,434.9	\$47.97	\$68,834	\$50.12	\$71,917		\$140,751
(10)	Forbes Street Solar Asset No. 43762	2,275.0	\$47.97	\$109,135	\$50.12	\$114,022		\$223,156
(11)	CCI New England 181 kW Asset No. 43921	111.0	\$47.97	\$5,324	\$50.12	\$5,563		\$10,887
(12)	100 Dupont Solar Asset No. 44003	919.8	\$47.97	\$44,124	\$50.12	\$46,100		\$90,225
(13)	225 Dupont Solar Asset No. 44004	184.0	\$47.97	\$8,825	\$50.12	\$9,220		\$18,045
(14)	35 Martin Solar Asset No. 44006	306.6	\$47.97	\$14,708	\$50.12	\$15,367		\$30,075
(15)	0 Martin Solar Asset No. 44005	306.6	\$47.97	\$14,708	\$50.12	\$15,367		\$30,075
(16)	Gannon & Scott Solar Asset No. 44010	249.0	\$47.97	\$11,943	\$50.12	\$12,478		\$24,421
(17)	All American Foods Solar Asset. No. 46721	203.0	\$47.97	\$9,737	\$50.12	\$10,173		\$19,910
(18)	Brickle Group Solar Project Asset. No. 46911	664.7	\$47.97	\$31,887	\$50.12	\$33,315		\$65,202
(19)	T.E.A.M. Inc. Solar Asset. No. 46913	111.6	\$47.97	\$5,354	\$50.12	\$5,594		\$10,947
(20)	Newport Vineyards Solar Asset. No. 46917	32.5	\$47.97	\$1,559	\$50.12	\$1,629		\$3,188
(21)	SER Solar 23 Appian Way Asset. No. 46926	31.9	\$47.97	\$1,530	\$50.12	\$1,598		\$3,128
(22)	Nexamp 76 Stilson Rd. Asset. No. 47020	305.4	\$47.97	\$14,649	\$50.12	\$15,305		\$29,955
(23)	Randall Steere Farm Asset. No. 46998	55.8	\$47.97	<u>\$2,677</u>	\$50.12	<u>\$2,797</u>		<u>\$5,474</u>
(24)	Total			\$7,008,776		\$7,322,632	\$558,792	\$14,890,200

Column Descriptions:

- (a) per Page 2, column (d)
- (b) Standard Offer Service Spot Market Estimate for Commercial Group, excluding capacity and ancillary services components
- (c) column (a) x column (b)
- (d) REC price estimate based on most recent market information
- (e) column (a) x column (d)
- (f) Expected capacity revenue from ISO-NE
- (g) column (c) + column (e) + column (f)

**Long-Term Contracting for Renewable Energy Recovery**  
**Estimated Above (Below) Market Cost**  
**For the Period July 2015 through December 2015**

**Estimated Above (Below) Market Cost**

	<u>Unit</u>	Estimated Six-Month <u>Contract Cost</u> (a)	Total Market <u>Value</u> (b)	Estimated Above (Below) <u>Market Cost</u> (c)
(1)	RI LFG Genco Asset No. 40054	\$15,417,945	\$12,281,577	\$3,136,368
(2)	Wind Energy Dev. NK Green LLC Asset No. 42394	\$210,503	\$154,671	\$55,832
(3)	Con Edison Development Plain Mtg House Asset No. 43512	\$337,260	\$120,300	\$216,960
(4)	ACP Land LLC 28 Jacome Way Asset No. 43527	\$96,886	\$30,075	\$66,811
(5)	Comtram Cable Asset No. 43586	\$96,692	\$30,015	\$66,677
(6)	CCI New England 500 kW Asset No. 43607	\$96,498	\$29,955	\$66,543
(7)	Conanicut Marine Services (CMS) Solar Asset No. 43685	\$22,605	\$7,699	\$14,906
(8)	Black Bear Orono B Hydro Asset No. 38083	\$1,477,182	\$1,530,471	(\$53,289)
(9)	West Davisville Solar Asset No. 43716	\$340,054	\$140,751	\$199,303
(10)	Forbes Street Solar Asset No. 43762	\$543,718	\$223,156	\$320,562
(11)	CCI New England 181 kW Asset No. 43921	\$35,073	\$10,887	\$24,185
(12)	100 Dupont Solar Asset No. 44003	\$192,238	\$90,225	\$102,013
(13)	225 Dupont Solar Asset No. 44004	\$58,131	\$18,045	\$40,086
(14)	35 Martin Solar Asset No. 44006	\$96,886	\$30,075	\$66,811
(15)	0 Martin Solar Asset No. 44005	\$96,886	\$30,075	\$66,811
(16)	Gannon & Scott Solar Asset No. 44010	\$70,704	\$24,421	\$46,284
(17)	All American Foods Solar Asset. No. 46721	\$57,643	\$19,910	\$37,734
(18)	Brickle Group Solar Project Asset. No. 46911	\$122,905	\$65,202	\$57,702
(19)	T.E.A.M. Inc. Solar Asset. No. 46913	\$32,141	\$10,947	\$21,194
(20)	Newport Vineyards Solar Asset. No. 46917	\$9,734	\$3,188	\$6,546
(21)	SER Solar 23 Appian Way Asset. No. 46926	\$8,851	\$3,128	\$5,723
(22)	Nexamp 76 Stilson Rd. Asset. No. 47020	\$59,511	\$29,955	\$29,557
(23)	Randall Steere Farm Asset. No. 46998	<u>\$16,712</u>	<u>\$5,474</u>	<u>\$11,238</u>
(24)	Total	\$19,496,757	\$14,890,200	\$4,606,557

Column Descriptions:

- (a) page 2 column (f)
- (b) page 3 column (g)
- (c) column (a) - column (b)