

May 15, 2018

**VIA HAND DELIVERY & ELECTRONIC MAIL**

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

**RE: Docket 4775 - Long-Term Contracting for Renewable Energy Recovery Factor**

Dear Ms. Massaro:

Pursuant to Rhode Island Public Utilities Commission (PUC) Rule 1.9 and National Grid's<sup>1</sup> Long-Term Contracting for Renewable Energy Recovery Provision (LTC Recovery Provision), RIPUC No. 2174, I have enclosed ten (10) copies of National Grid's Long-Term Contracting for Renewable Energy Recovery Factor (LTC Recovery Factor), which includes the Company's proposed LTC Recovery Factor for the period July 2018 through December 2018 (Pricing Period). The Company is proposing a recovery factor of 0.579¢ per kilowatt-hour (kWh), applicable to all customers, effective for consumption on and after July 1, 2018. The proposed LTC Recovery Factor is designed to recover the estimated above-market value of the Company's executed long-term contracts for the Pricing Period and the estimated administrative costs the Company incurred to bid capacity of qualified customer-owned distributed generation (DG) facilities into the ISO New England Forward Capacity Market (FCM). The impact of the proposed LTC Recovery Factor on a typical residential customer using 500 kWhs per month is an increase of \$0.31 per month, or 0.3%.

**Proposed LTC Recovery Factor**

The Company's LTC Recovery Provision, allows for the recovery of payments made to projects under long-term contracts executed pursuant to R.I. Gen. Laws Chapter 39-26.1 and the distributed generation standard contracts executed pursuant to R.I. Gen. Laws Chapter 39-26.2, less the proceeds obtained from the sale of energy, capacity, Renewable Energy Certificates (RECs), and customer share of net forward capacity proceeds. The LTC Recovery Factor proposed in this filing is designed to recover from customers the estimated above-market costs associated with the Company's power purchase agreements (PPAs) pursuant to

---

<sup>1</sup> The Narragansett Electric Company d/b/a National Grid (National Grid or the Company).

R.I. Gen. Laws § 39-26.1-5(f) and DG standard contracts (collectively Long Term Renewable Contracts) associated with units that have entered commercial operation. Additionally, as approved in Docket 4676, the LTC Recovery Provision allows for the recovery of estimated incremental administrative costs incurred as a result of the Company's participation in the FCM.

Page 1 of Attachment 1 shows the calculation of the proposed LTC Recovery Factor. The estimated above-market costs of \$21,680,333 shown on Line 1 is reduced by the estimated customer share of net FCM proceeds on line 2 of \$69,120, and is increased by the estimated administrative costs of \$19,579 shown on line 3. This results in a total estimated cost for July 2018 through December 2018 of \$21,630,792. This total cost is divided by the forecasted kWhs for the Pricing Period, resulting in a recovery factor of 0.572¢ per kWh. The uncollectibles percentage of 1.25% is applied to the factor of 0.572¢ per kWh, resulting in an adjusted factor of 0.579¢. The currently effective LTC Recovery Reconciliation Factor of 0.068¢ per kWh, approved by the PUC in Docket 4805, is added to the proposed factor, resulting in a total proposed LTC Recovery Factor of 0.647¢ per kWh, as shown on line 10.

### **Calculation of the Estimated Above-Market Cost**

The estimated above-market cost that the Company expects to incur during the Pricing Period for each contract is shown on Page 4 of Attachment 1. The above-market cost is calculated as the total expected payments to be made under the contracts for the Pricing Period less the estimated market value associated with the sale of the energy, RECs, and capacity. The calculation of the total expected payments is shown on Page 2. The expected unit generation is estimated by applying the unit availability factor to the unit capacity, resulting in an expected six-month generation of 186,351 megawatt-hours for all units.<sup>2</sup> The estimated generation multiplied by the contract price per megawatt results in expected total payments of \$33,086,434.

The estimated market value of the energy, RECs, and capacity is shown on Page 3. The market energy proxy is based on NYMEX electricity futures prices for the Pricing Period and renewable resource generation shapes (output in on peak hours and off peak hours). The REC proxy value is based on the Company's most recent market estimate. The capacity market value is the estimated capacity revenue to be received from ISO New England for the Pricing Period. The market value of the sale of the contract products for the Pricing Period is \$11,406,101, which, when subtracted from the total expected payments of \$33,086,434 results in an estimated above-market cost of \$21,680,333 as shown on Page 4.

---

<sup>2</sup> Although Orbit Energy (Asset No. 50057) achieved Commercial Operation on August 31, 2017, the Company does not expect generation to begin until October 2018. Consequently, the Company is not including an estimate of capacity revenue for Orbit Energy at this time.

### **Estimated Capacity Revenue**

Page 3 of Attachment 1 includes the estimated capacity revenue for RI LFG Genco and Black Bear (Black Bear) Orono B Hydro for the Pricing Period.<sup>3</sup> The Deepwater Wind capacity revenue will commence in January 2020 pursuant to the terms of the PPA. The Orbit Energy capacity revenue will begin September 2020 pursuant to the terms of the PPA. Page 5 of Attachment 1 includes estimated capacity revenue that the Company expects to receive between July and December 2018 from 18 units<sup>4</sup> as part of the Company's approved program to bid capacity of customer-owned DG facilities into the FCM.<sup>5</sup> The estimated capacity revenue for the 18 DG facilities is calculated with an estimated Monthly Reconfiguration Auction (MRA) price.<sup>6</sup> The final capacity revenue will be different when the auction price is established. Also, the capacity revenue for these 18 DG facilities will be impacted by the FCM's Pay-for-Performance, which begins in June 2018.

### **Update for RI LFG Genco**

RI LFG Genco is a landfill gas unit located in the Town of Johnston. Its estimated capacity revenue included on Page 3 of Attachment 1 is based on its 26 MW Capacity Supply Obligation (CSO). The CSO is the obligation taken by a resource during a capacity commitment period and it is awarded through an annual Forward Capacity Auction (FCA). An existing resource like RI LFG Genco participates in the FCA at its Qualified Capacity which, for a non-intermittent resource, is calculated as the median of the most recent five summer and winter seasonal claimed capability (SCC) ratings, with only positive, non-zero ratings included in the calculation. A SCC rating is an audit (or test) value that is determined by ISO New England.

---

<sup>3</sup> The Company takes title to the capacity for these two DG facilities as a result of the underlying long term contracts. Capacity for the remaining DG facilities will be captured as part of the Company's FCM participation.

<sup>4</sup> The Company's LTC Recovery Factor filing for January 2018 – June 2018 had estimated FCM proceeds from 19 DG facilities, however the Company has chosen not to bid Asset No. 43607 in the June 2018 MRA due to poor resource performance in recent months. The Company will continue to assess the performance of all facilities on an ongoing basis to determine whether or not participation in future Reconfiguration Auctions is warranted and, if applicable, will include the actual MRA revenue in the Company's LTC Reconciliation Filing.

<sup>5</sup> Approved in Docket No. 4676.

<sup>6</sup> The Company's LTC Recovery Factor filing for January 2018 – June 2018 had estimated FCM proceeds based on the Annual Reconfiguration Auction (ARA) price, as the Company had initially intended to bid 19 DG facilities in the Annual Reconfiguration Auction, pursuant to its proposal in Docket No. 4676 and previous guidance from ISO-NE that the summer-only solar resources would qualify to participate in the ARAs, even though they only provide capacity in the summer months. However, further consultation with ISO-NE has clarified that while the solar DG facilities may participate in the Forward Capacity Auction as summer-only resources, participation in the ARAs is restricted to annual resources only and the summer-only solar DG facilities may only participate in MRAs. As a result, the Company's FCM revenue estimates are based on an estimate of the MRA price, which reflects the average MRA clearing price in the summer months of June – September over the last three years.

Luly Massaro, Commission Clerk  
Docket 4775 – LTC Recovery Factor  
May 15, 2018  
Page 4 of 4

On February 27, 2017, Broadrock Renewables LLC (Broadrock), the owner of RI LFG Genco, notified the Company that the unit will be considered an intermittent resource by ISO-NE effective June 1, 2018. The Qualified Capacity for an intermittent resource is calculated differently than a non-intermittent resource. Summer and winter qualified capacity is calculated as the *average* of the most recent five summer and winter SCC ratings, *including ratings of zero* in the calculation. For FCA 13 RI LFG Genco, summer qualification would decrease to 20.492 MW, and the winter qualification would decrease to 24.058 MW. Broadrock's notification describes that the summer qualification includes the summer of 2013, when the unit did not generate frequently.

### **Calculation of the Estimated Forward Capacity Market Proceeds and Costs**

Page 6 of Attachment 1 shows the calculation of the Estimated FCM Proceeds and Costs. Section 1 shows the estimated customer share of Net FCM Proceeds, which for the Pricing Period is \$69,120. Section 2 of page 6 shows the calculation of the estimated administrative costs associated with the Company's participation in the FCM.

Please note that the Company is not filing its Summary of Retail Delivery Rates, RIPUC No. 2095, at this time. The Company has proposed a new Revenue Decoupling Mechanism (RDM) factor and Arrearage Management Adjustment Factor (AMAF) in separate filings. If approved by the PUC, the RDM, AMAF, and LTC Recovery Factor will all be effective July 1, 2018. Therefore, the Company will file its Summary of Retail Delivery Service Rates incorporating all rate changes effective July 1, 2018 once the PUC has ruled on these proposals.

Thank you for your attention to this filing. If you have any questions regarding this filing, please contact me at 781-907-2121.

Very truly yours,



Raquel J. Webster

Enclosures

cc: Docket 4775 Service List  
Leo Wold, Esq.

**Long-Term Contracting for Renewable Energy Recovery (LTCRER)  
Factor Calculation  
For the Period July 2018 through December 2018**

(1) Above Market Cost for the period July 2018 through December 2018 (AM)	\$21,680,333
(2) Estimated Customer Share of Net Forward Capacity Market Proceeds (NFCMP)	\$69,120
(3) <u>Estimated Administrative Costs (ADM)</u>	<u>\$19,579</u>
(4) Total Estimated Costs	\$21,630,792
(5) Forecasted kWh Deliveries - July 2018 through December 2018 (FkWh)	3,776,343,225
(6) LTCRER Factor for the period of July 2018 through December 2018	\$0.00572
(7) Adjustment for Uncollectibles (UP)	<u>1.25%</u>
(8) Proposed LTCRER Factor for the period of July 2018 through December 2018	\$0.00579
(9) Currently Effective LTCRER Reconciliation Factor	<u>\$0.00068</u>
(10) Total Proposed LTCRER Factor (LTCRER Factor)	\$0.00647
(11) Current LTCRER Factor	<u>\$0.00587</u>
(12) Increase in LTCRER Factor	\$0.00060

- (1) per page 4, Column (c), Line (32)
- (2) per page 5, Column (e), Line (32)
- (3) per page 6, Line (11)
- (4) Line (1) - Line (2) + Line (3)
- (5) per Company forecast
- (6) Line (4) ÷ Line (5), truncated after five decimal places
- (7) uncollectible percentage approved in RIPUC Docket No. 4323
- (8) Line (6) x [1 + Line (7)], truncated to five decimal places
- (9) per RIPUC Docket No. 4805, Schedule ASC-18, page 1, line (8)
- (10) Line (8) + Line (9)
- (11) Summary of Delivery Rates, RIPUC No. 2095, Effective April 1, 2018
- (12) Line (10) - Line (11)

**Long-Term Contracting for Renewable Energy Recovery (LTCRER)**  
**Estimated Contract Cost**  
**For the Period July 2018 through December 2018**

**Estimated Six-Month Contract Cost**

<u>Unit</u>	<u>Unit Capacity (MW)</u> (a)	<u>Commercial Operation Date</u> (b)	<u>Unit Factor</u> (c)	<u>Estimated Six-Month Output (MWh)</u> (d)	<u>Contract Price (\$ per MWh)</u> (e)	<u>Estimated Six-Month Contract Cost</u> (f)
(1) RI LFG Genco Asset No. 40054	32.100	05/28/13	72%	101,230.6	\$138.93	\$14,063,962
(2) Wind Energy Dev. NK Green LLC Asset No. 42394	1.500	03/01/13	22%	1,445.4	\$133.50	\$192,961
(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	77%	13,348.8	\$100.47	\$1,341,149
(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%	55.8	\$299.49	\$16,712
(24) Johnston Solar Asset No. 47357	1.700	08/03/15	14%	1,042.4	\$175.00	\$182,427
(25) North Kingstown Solar 1720 Davisville Rd.- Asset No. 47487	0.500	10/20/15	14%	306.6	\$190.00	\$58,254
(26) Wilco 260 South County Trail - Asset No. 48664	1.246	08/11/16	14%	764.0	\$219.50	\$167,708
(27) Foster Solar - Asset No. 48774	1.250	09/08/16	14%	766.5	\$205.99	\$157,891
(28) Brookside Equestrian Center No. 48899	1.246	10/19/16	14%	764.0	\$149.90	\$114,531
(29) Deepwater Wind Asset No. 38495	30.000	12/12/16	43%	56,502.0	\$252.49	\$14,266,190
(30) Orbit Energy Asset No. 50057	3.200	08/24/17	0%	0.0	\$96.90	\$0
(31) Frenchtown Road Solar - Asset No. 50731	1.250	01/30/18	14%	766.5	\$196.00	\$150,234
(32) Total				186,351		\$33,086,434

- (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 (LTCRER)**  
**Estimated Market Value**  
**For the Period July 2018 through December 2018**

**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	101,230.6	\$33.73	\$3,414,433	\$16.75	\$1,695,612	\$1,728,480	\$6,838,525
(2) Wind Energy Dev. NK Green LLC Asset No. 42394	1,445.4	\$33.86	\$48,942	\$16.75	\$24,210		\$73,152
(3) Con Edison Development Plain Mtg House Asset No. 43512	1,226.4	\$33.39	\$40,945	\$16.75	\$20,542		\$61,487
(4) ACP Land LLC 28 Jacome Way Asset No. 43527	306.6	\$33.39	\$10,236	\$16.75	\$5,136		\$15,372
(5) Comtram Cable Asset No. 43586	306.0	\$33.39	\$10,216	\$16.75	\$5,125		\$15,341
(6) CCI New England 500 kW Asset No. 43607	305.4	\$33.39	\$10,195	\$16.75	\$5,115		\$15,310
(7) Conanicut Marine Services (CMS) Solar Asset No. 43685	78.5	\$33.39	\$2,620	\$16.75	\$1,315		\$3,935
(8) Black Bear Orono B Hydro Asset No. 38083	13,348.8	\$34.47	\$460,141	\$16.75	\$223,592	\$181,087	\$864,820
(9) West Davisville Solar Asset No. 43716	1,434.9	\$33.39	\$47,905	\$16.75	\$24,034		\$71,940
(10) Forbes Street Solar Asset No. 43762	2,275.0	\$33.39	\$75,952	\$16.75	\$38,106		\$114,058
(11) CCI New England 181 kW Asset No. 43921	111.0	\$33.39	\$3,705	\$16.75	\$1,859		\$5,565
(12) 100 Dupont Solar Asset No. 44003	919.8	\$33.39	\$30,709	\$16.75	\$15,407		\$46,115
(13) 225 Dupont Solar Asset No. 44004	184.0	\$33.39	\$6,142	\$16.75	\$3,081		\$9,223
(14) 35 Martin Solar Asset No. 44006	306.6	\$33.39	\$10,236	\$16.75	\$5,136		\$15,372
(15) 0 Martin Solar Asset No. 44005	306.6	\$33.39	\$10,236	\$16.75	\$5,136		\$15,372
(16) Gannon & Scott Solar Asset No. 44010	249.0	\$33.39	\$8,312	\$16.75	\$4,170		\$12,482
(17) All American Foods Solar Asset. No. 46721	203.0	\$33.39	\$6,776	\$16.75	\$3,400		\$10,176
(18) Brickle Group Solar Project Asset. No. 46911	664.7	\$33.39	\$22,192	\$16.75	\$11,134		\$33,326
(19) T.E.A.M. Inc. Solar Asset. No. 46913	111.6	\$33.39	\$3,726	\$16.75	\$1,869		\$5,595
(20) Newport Vineyards Solar Asset. No. 46917	32.5	\$33.39	\$1,085	\$16.75	\$544		\$1,629
(21) SER Solar 23 Appian Way Asset. No. 46926	31.9	\$33.39	\$1,065	\$16.75	\$534		\$1,599
(22) Nexamp 76 Stilson Rd. Asset. No. 47020	305.4	\$33.39	\$10,195	\$16.75	\$5,115		\$15,310
(23) Randall Steere Farm Asset. No. 46998	55.8	\$33.39	\$1,863	\$16.75	\$935		\$2,798
(24) Johnston Solar Asset No. 47357	1,042.4	\$33.39	\$34,803	\$16.75	\$17,461		\$52,264
(25) North Kingstown Solar 1720 Davisville Rd.- Asset No. 47487	306.6	\$33.39	\$10,236	\$16.75	\$5,136		\$15,372
(26) Wilco 260 South County Trail - Asset No. 48664	764.0	\$33.39	\$25,509	\$16.75	\$12,798		\$38,306
(27) Foster Solar - Asset No. 48774	766.5	\$33.39	\$25,590	\$16.75	\$12,839		\$38,429
(28) Brookside Equestrian Center No. 48899	764.0	\$33.39	\$25,509	\$16.75	\$12,798		\$38,306
(29) Deepwater Wind Asset No. 38495	56,502.0	\$35.22	\$1,990,084	\$16.75	\$946,409		\$2,936,493
(30) Orbit Energy Asset No. 50057	0.0	\$33.73	\$0	\$16.75	\$0		\$0
(31) Frenchtown Road Solar - Asset No. 50731	766.5	\$33.39	\$25,590	\$16.75	\$12,839		\$38,429
(32) Total			\$6,375,150		\$3,121,384	\$1,909,567	\$11,406,101

- (a) per Page 2, column (d)  
(b) The market energy proxy is based on NYMEX electricity futures prices for the Pricing Period and renewable resource generation shapes (output in on peak and off peak hours)  
(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 or counterparty  
(g) column (c) + column (e) + column (f)

**Long-Term Contracting for Renewable Energy Recovery (LTCRER)  
Estimated Above (Below) Market Cost  
For the Period July 2018 through December 2018**

**Estimated Above (Below) Market Cost**

	<u>Unit</u>	<u>Estimated Six-Month Contract Cost</u> (a)	<u>Total Market Value</u> (b)	<u>Estimated Above (Below) Market Cost</u> (c)
(1)	RI LFG Genco Asset No. 40054	\$14,063,962	\$6,838,525	\$7,225,437
(2)	Wind Energy Dev. NK Green LLC Asset No. 42394	\$192,961	\$73,152	\$119,809
(3)	Con Edison Development Plain Mtg House Asset No. 43512	\$337,260	\$61,487	\$275,773
(4)	ACP Land LLC 28 Jacome Way Asset No. 43527	\$96,886	\$15,372	\$81,514
(5)	Comtram Cable Asset No. 43586	\$96,692	\$15,341	\$81,351
(6)	CCI New England 500 kW Asset No. 43607	\$96,498	\$15,310	\$81,188
(7)	Conanicut Marine Services (CMS) Solar Asset No. 43685	\$22,605	\$3,935	\$18,670
(8)	Black Bear Orono B Hydro Asset No. 38083	\$1,341,149	\$864,820	\$476,329
(9)	West Davisville Solar Asset No. 43716	\$340,054	\$71,940	\$268,114
(10)	Forbes Street Solar Asset No. 43762	\$543,718	\$114,058	\$429,660
(11)	CCI New England 181 kW Asset No. 43921	\$35,073	\$5,565	\$29,508
(12)	100 Dupont Solar Asset No. 44003	\$192,238	\$46,115	\$146,123
(13)	225 Dupont Solar Asset No. 44004	\$58,131	\$9,223	\$48,908
(14)	35 Martin Solar Asset No. 44006	\$96,886	\$15,372	\$81,514
(15)	0 Martin Solar Asset No. 44005	\$96,886	\$15,372	\$81,514
(16)	Gannon & Scott Solar Asset No. 44010	\$70,704	\$12,482	\$58,223
(17)	All American Foods Solar Asset. No. 46721	\$57,643	\$10,176	\$47,467
(18)	Brickle Group Solar Project Asset. No. 46911	\$122,905	\$33,326	\$89,579
(19)	T.E.A.M. Inc. Solar Asset. No. 46913	\$32,141	\$5,595	\$26,546
(20)	Newport Vineyards Solar Asset. No. 46917	\$9,734	\$1,629	\$8,104
(21)	SER Solar 23 Appian Way Asset. No. 46926	\$8,851	\$1,599	\$7,252
(22)	Nexamp 76 Stilson Rd. Asset. No. 47020	\$59,511	\$15,310	\$44,201
(23)	Randall Steere Farm Asset. No. 46998	\$16,712	\$2,798	\$13,914
(24)	Johnston Solar Asset No. 47357	\$182,427	\$52,264	\$130,163
(25)	North Kingstown Solar 1720 Davisville Rd.- Asset No. 47487	\$58,254	\$15,372	\$42,882
(26)	Wilco 260 South County Trail - Asset No. 48664	\$167,708	\$38,306	\$129,402
(27)	Foster Solar - Asset No. 48774	\$157,891	\$38,429	\$119,462
(28)	Brookside Equestrian Center No. 48899	\$114,531	\$38,306	\$76,224
(29)	Deepwater Wind Asset No. 38495	\$14,266,190	\$2,936,493	\$11,329,697
(30)	Orbit Energy Asset No. 50057	\$0	\$0	\$0
(31)	Frenchtown Road Solar - Asset No. 50731	<u>\$150,234</u>	<u>\$38,429</u>	<u>\$111,805</u>
(32)	Total	\$33,086,434	\$11,406,101	\$21,680,333

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

**Long-Term Contracting for Renewable Energy Recovery (LTCRER)  
Estimated Capacity Bid into Forward Capacity Market  
For the Period July 2018 through December 2018**

	<u>Unit</u>	<u>CSO MW's</u> (a)	<u>Estimated ARA Price</u> (b)	<u>Conversion to kW</u> (c)	<u>Total Capacity Bid into FCM</u> (d)	<u>Customer Share</u> (e)	<u>Company Share</u> (f)	
(1)	RI LFG Genco Asset No. 40054	-	\$0.000	1,000	\$0	\$0	\$0	
(2)	Wind Energy Dev. NK Green LLC Asset No. 42394	-	\$0.000	1,000	\$0	\$0	\$0	
(3)	Con Edison Development Plain Mtg House Asset No. 43512	0.855	\$3.380	1,000	\$8,670	\$7,803	\$867	
(4)	ACP Land LLC 28 Jacome Way Asset No. 43527	0.184	\$3.380	1,000	\$1,866	\$1,679	\$187	
(5)	Comtram Cable Asset No. 43586	0.211	\$3.380	1,000	\$2,140	\$1,926	\$214	
(6)	CCI New England 500 kW Asset No. 43607	-	\$0.000	1,000	\$0	\$0	\$0	
(7)	Conanicut Marine Services (CMS) Solar Asset No. 43685	-	\$0.000	1,000	\$0	\$0	\$0	
(8)	Black Bear Orono B Hydro Asset No. 38083	-	\$0.000	1,000	\$0	\$0	\$0	
(9)	West Davisville Solar Asset No. 43716	0.850	\$3.380	1,000	\$8,619	\$7,757	\$862	
(10)	Forbes Street Solar Asset No. 43762	1.484	\$3.380	1,000	\$15,048	\$13,543	\$1,505	
(11)	CCI New England 181 kW Asset No. 43921	-	\$0.000	1,000	\$0	\$0	\$0	
(12)	100 Dupont Solar Asset No. 44003	0.552	\$3.380	1,000	\$5,597	\$5,038	\$560	
(13)	225 Dupont Solar Asset No. 44004	0.125	\$3.380	1,000	\$1,268	\$1,141	\$127	
(14)	35 Martin Solar Asset No. 44006	0.199	\$3.380	1,000	\$2,018	\$1,816	\$202	
(15)	0 Martin Solar Asset No. 44005	0.187	\$3.380	1,000	\$1,896	\$1,707	\$190	
(16)	Gannon & Scott Solar Asset No. 44010	0.134	\$3.380	1,000	\$1,359	\$1,223	\$136	
(17)	All American Foods Solar Asset. No. 46721	0.108	\$3.380	1,000	\$1,095	\$986	\$110	
(18)	Brickle Group Solar Project Asset. No. 46911	0.412	\$3.380	1,000	\$4,178	\$3,760	\$418	
(19)	T.E.A.M. Inc. Solar Asset. No. 46913	-	\$0.000	1,000	\$0	\$0	\$0	
(20)	Newport Vineyards Solar Asset. No. 46917	-	\$0.000	1,000	\$0	\$0	\$0	
(21)	SER Solar 23 Appian Way Asset. No. 46926	-	\$0.000	1,000	\$0	\$0	\$0	
(22)	Nexamp 76 Stilson Rd. Asset. No. 47020	0.200	\$3.380	1,000	\$2,028	\$1,825	\$203	
(23)	Randall Steere Farm Asset. No. 46998	-	\$0.000	1,000	\$0	\$0	\$0	
(24)	Johnston Solar Asset No. 47357	0.459	\$3.380	1,000	\$4,654	\$4,189	\$465	
(25)	North Kingstown Solar 1720 Davisville Rd.- Asset No. 47487	0.202	\$3.380	1,000	\$2,048	\$1,843	\$205	
(26)	Wilco 260 South County Trail - Asset No. 48664	0.466	\$3.380	1,000	\$4,725	\$4,253	\$473	
(27)	Foster Solar - Asset No. 48774	0.475	\$3.380	1,000	\$4,817	\$4,335	\$482	
(28)	Brookside Equestrian Center No. 48899	0.471	\$3.380	1,000	\$4,776	\$4,298	\$478	
(29)	Deepwater Wind Asset No. 38495	-	\$0.000	1,000	\$0	\$0	\$0	
(30)	Orbit Energy Asset No. 50057	-	\$0.000	1,000	\$0	\$0	\$0	
(31)	Frenchtown Road Solar - Asset No. 50731	-	\$0.000	1,000	\$0	\$0	\$0	
(32)					Total	\$76,800	\$69,120	\$7,680

- (a) MW's bid
- (b) Estimated Annual Reconfiguration Auction (ARA) Price
- (c) Multiplication by 1000 to result in kW
- (d) Estimated Net Forward Capacity Market Proceeds
- (e) Column (d) x .90
- (f) Column (d) x .10

**Forward Capacity Market  
Estimated Proceeds and Administrative Costs  
For the Period July 2018 through December 2018**

**Section 1: Estimated Customer Share of Net Forward Capacity Market Proceeds:**

(1)	Estimated Net Forward Capacity Market Proceeds	\$76,800
(2)	Estimated Customer Share of Net Forward Capacity Market Proceeds	\$69,120

**Section 2: Estimated Administrative Costs:**

(3)	Estimated new projects being bid into the FCM	1
(4)	Estimated existing projects being bid into the FCM	18
(5)	Estimated Qualification hours per new project	20
(6)	Estimated Annual Monitoring Labor Hours per project	30
(7)	Estimated total hours for July 2018 - December 2018	305
(8)	Estimated Unburdened Average Hourly Rate	\$38.46
(9)	Estimated Burden Rate	66.90%
(10)	Estimated Burdened Average Hourly Rate	\$64.19
(11)	Estimated total administrative costs for the FCM	\$19,579

- (1) Company Estimate
- (2) Line (1) x 90%
- (3) Company Estimate
- (4) Company Estimate
- (5) Company Estimate
- (6) Company Estimate
- (7) [Line (3) + Line (4)] x Line (6) ÷ 2 + [Line (3) x Line (5)]
- (8) Estimate hourly rate based on salary of \$80,000
- (9) Per Company records (excludes Pension and PBOP)
- (10) Line (8) + [Line (8) x Line (9)]
- (11) Line (7) x Line (10)

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

May 15, 2018  
Date

**Docket No. 4775 - National Grid – Long-Term Contracting for Renewable Energy Recovery Factor (Year 2018)**

**Service List updated 11/22/17**

<b>Name/Address</b>	<b>E-mail Distribution</b>	<b>Phone</b>
Jennifer Brooks Hutchinson, Esq. National Grid 280 Melrose St. Providence, RI 02907	<a href="mailto:Jennifer.hutchinson@nationalgrid.com">Jennifer.hutchinson@nationalgrid.com</a> ;	401-784-7288
	<a href="mailto:Celia.obrien@nationalgrid.com">Celia.obrien@nationalgrid.com</a> ;	
	<a href="mailto:Raquel.webster@nationalgrid.com">Raquel.webster@nationalgrid.com</a> ;	
	<a href="mailto:Joanne.scanlon@nationalgrid.com">Joanne.scanlon@nationalgrid.com</a> ;	
	<a href="mailto:Corinne.Didomenico@nationalgrid.com">Corinne.Didomenico@nationalgrid.com</a> ;	
	<a href="mailto:Stephen.McCauley@nationalgrid.com">Stephen.McCauley@nationalgrid.com</a> ;	
Jon Hagopian, Esq. Division of Public Utilities & Carriers 89 Jefferson Blvd. Warwick, RI 02888	<a href="mailto:Jon.hagopian@dpuc.ri.gov">Jon.hagopian@dpuc.ri.gov</a> ;	401-784-4775
	<a href="mailto:Steve.scialabba@dpuc.ri.gov">Steve.scialabba@dpuc.ri.gov</a> ;	
	<a href="mailto:Al.mancini@dpuc.ri.gov">Al.mancini@dpuc.ri.gov</a> ;	
	<a href="mailto:Jonathan.Schrag@dpuc.ri.gov">Jonathan.Schrag@dpuc.ri.gov</a> ;	
Richard Hahn Daymark Energy Advisors One Washington Mall, 9 <sup>th</sup> floor Boston, MA 02108	<a href="mailto:rhahn@daymarkea.com">rhahn@daymarkea.com</a> ;	
<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> ;	
	<a href="mailto:Alan.nault@puc.ri.gov">Alan.nault@puc.ri.gov</a> ;	
	<a href="mailto:Linda.george@puc.ri.gov">Linda.george@puc.ri.gov</a> ;	
	<a href="mailto:Todd.bianco@puc.ri.gov">Todd.bianco@puc.ri.gov</a> ;	
Christopher Kearns, OER Nicholas Ucci, OER Carol Grant, Commissioner	<a href="mailto:Christopher.Kearns@energy.ri.gov">Christopher.Kearns@energy.ri.gov</a> ;	
	<a href="mailto:Nicholas.Ucci@energy.ri.gov">Nicholas.Ucci@energy.ri.gov</a> ;	
	<a href="mailto:Carol.Grant@energy.ri.gov">Carol.Grant@energy.ri.gov</a> ;	