

November 15, 2019

BY HAND DELIVERY AND ELECTRONIC MAIL

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

RE: Docket 4992 - Long-Term Contracting for Renewable Energy Recovery Factor

Dear Ms. Massaro:

Pursuant to Rhode Island Public Utilities Commission (PUC) Rule 810-RICR-00-00-1.10 and National Grid's¹ 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 January 2020 through June 2020 (Pricing Period). The Company is proposing a recovery factor of 0.543¢ per kilowatt-hour (kWh), applicable to all customers, effective for consumption on and after January 1, 2020. 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 will incur to bid the 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 a decrease of \$0.88 per month, or 0.7%.

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

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

November 15, 2019

Page 2

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 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 \$16,329,071 shown on Line (1) is reduced by the estimated customer share of net FCM proceeds on Line (2) of \$16,608, and is increased by the estimated administrative costs of \$9,424 shown on Line (3). This results in a total estimated cost for January 2020 through June 2020 of \$16,321,887. This total cost is divided by the forecasted kWhs for the Pricing Period, resulting in a recovery factor of 0.475¢ per kWh. The uncollectibles percentage of 1.30% is applied to the factor of 0.475¢ per kWh, resulting in an adjusted factor of 0.481¢ per kWh. The currently effective LTC Recovery Reconciliation Factor of 0.062¢ per kWh, approved by the PUC in Docket 4930, is added to the proposed factor, resulting in a total proposed LTC Recovery Factor of 0.543¢ 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 300,925 megawatt-hours for all units.^{2,3} The estimated generation multiplied by the contract price per megawatt results in expected total payments of \$44,524,915.

² Although Orbit Energy (Asset No. 50057) achieved Commercial Operation on August 31, 2017, the Company has not received any generation in 2019. Consequently, the Company has not included an estimate of generation for Orbit Energy for the Pricing Period.

³ Hope Farm Solar (Asset No. 49029) has achieved Commercial Operation in MA, and is anticipated to achieve Commercial Operation in RI in late December. As a result, the Company has provided estimated generation, and related costs and market proceeds in this filing.

November 15, 2019

Page 3

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 estimated market value of the sale of the contract products for the Pricing Period is \$28,195,844, which, when subtracted from the total expected payments of \$44,524,915 results in an estimated above-market cost of \$16,329,071 as shown on Page 4.

Estimated Capacity Revenue

Page 3 of Attachment 1 includes the estimated capacity revenue for RI LFG Genco (Line (1)), Black Bear Orono B Hydro (Line (8)), and Deepwater Wind (Line (29)) for the Pricing Period.⁴ The Deepwater Wind capacity revenue will commence in January 2020 pursuant to the terms of the PPA. The Orbit Energy capacity revenue is anticipated to 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 January and June 2020 from 20 units as part of the Company's approved program to bid capacity of customer-owned DG facilities into the FCM.⁵ The estimated capacity revenue for the 20 DG facilities is calculated with an estimated Monthly Reconfiguration Auction (MRA) price. The final capacity revenue will be different when the auction price is established. Also, the capacity revenue for these 20 DG facilities will be impacted by the FCM's Pay-for-Performance, which began in June 2018.

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 is calculated on Page 5. 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, at this time, the Company is not filing its Summary of Retail Delivery Rates, RIPUC No. 2095. The Company has proposed a new Energy Efficiency Program charge in a separate filing. If the PUC approves the new Energy Efficiency Program charge, the EE

⁴ The Company takes title to the capacity for these three 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, and customers' share of the estimate of net proceeds is reflected in Attachment 1, at 1, Line (2).

⁵ Approved in Docket 4676.

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November 15, 2019

Page 4

Charge and LTC Recovery Factor will be effective on January 1, 2020. Therefore, the Company will file its Summary of Retail Delivery Service Rates incorporating all rate changes effective January 1, 2020 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 401-709-3337.

Very truly yours,



Leticia C. Pimentel

Enclosures

cc: Leo Wold, Esq.
John Bell, Division

Docket No. 4992 – National Grid – LTC RER
Service List updated 11/15/2019

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**Long-Term Contracting for Renewable Energy Recovery (LTCRER)
Factor Calculation
For the Period January 2020 through June 2020**

(1) Above Market Cost for the period January 2020 through June 2020 (AM)	\$16,329,071
(2) Estimated Customer Share of Net Forward Capacity Market Proceeds (NFCMP)	\$16,608
(3) <u>Estimated Administrative Costs (ADM)</u>	<u>\$9,424</u>
(4) Total Estimated Costs	\$16,321,887
(5) Forecasted kWh Deliveries - January 2020 through June 2020 (FkWh)	3,433,885,995
(6) LTCRER Factor for the period of January 2020 through June 2020	\$0.00475
(7) Adjustment for Uncollectibles (UP)	<u>1.30%</u>
(8) Proposed LTCRER Factor for the period of January 2020 through June 2020	\$0.00481
(9) Currently Effective LTCRER Reconciliation Factor	<u>\$0.00062</u>
(10) Total Proposed LTCRER Factor (LTCRER Factor)	\$0.00543
(11) Current LTCRER Factor	<u>\$0.00711</u>
(12) Decrease in LTCRER Factor	(\$0.00168)

- (1) per page 4, Column (c), Line (35)
- (2) per page 5, Column (e), Line (35)
- (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. 4770
- (8) Line (6) x [1 + Line (7)], truncated to five decimal places
- (9) per RIPUC Docket No. 4930, Schedule REP-18, page 1, line (8)
- (10) Line (8) + Line (9)
- (11) Summary of Delivery Rates, RIPUC No. 2095, Effective October 1, 2019
- (12) Line (10) - Line (11)

**Long-Term Contracting for Renewable Energy Recovery (LTCRER)
Estimated Contract Cost
For the Period January 2020 through June 2020**

Estimated Six-Month Contract Cost

<u>Unit</u>	Unit Capacity (MW) (a)	Commercial Operation Date (b)	Unit Factor (c)	Estimated Six-Month Output (MWh) (d)	Contract Price (\$ per MWh) (e)	Estimated Six-Month Contract Cost (f)
(1) RI LFG Genco Asset No. 40054	32.100	05/28/13	72%	100,963.4	\$145.96	\$14,736,520
(2) Wind Energy Dev. NK Green LLC Asset No. 42394	1.500	03/01/13	18%	1,157.6	\$133.50	\$154,544
(3) Con Edison Development Plain Mtg House Asset No. 43512	2.000	07/19/13	13%	1,157.2	\$275.00	\$318,229
(4) ACP Land LLC 28 Jacome Way Asset No. 43527	0.500	07/18/13	13%	289.3	\$316.00	\$91,418
(5) Comtram Cable Asset No. 43586	0.499	09/30/13	13%	288.7	\$316.00	\$91,236
(6) CCI New England 500 kW Asset No. 43607	0.498	10/25/13	13%	288.1	\$316.00	\$91,053
(7) Conanicut Marine Services (CMS) Solar Asset No. 43685	0.128	10/21/13	13%	74.1	\$288.00	\$21,329
(8) Black Bear Orono B Hydro Asset No. 38083	3.958	11/22/13	67%	11,592.6	\$104.53	\$1,211,764
(9) West Davisville Solar Asset No. 43716	2.340	12/06/13	13%	1,353.9	\$236.99	\$320,865
(10) Forbes Street Solar Asset No. 43762	3.710	12/20/13	13%	2,146.6	\$239.00	\$513,037
(11) CCI New England 181 kW Asset No. 43921	0.181	02/27/14	13%	104.7	\$316.00	\$33,093
(12) 100 Dupont Solar Asset No. 44003	1.500	03/25/14	13%	867.9	\$209.00	\$181,390
(13) 225 Dupont Solar Asset No. 44004	0.300	03/25/14	13%	173.6	\$316.00	\$54,851
(14) 35 Martin Solar Asset No. 44006	0.500	03/27/14	13%	289.3	\$316.00	\$91,418
(15) 0 Martin Solar Asset No. 44005	0.500	03/27/14	13%	289.3	\$316.00	\$91,418
(16) Gannon & Scott Solar Asset No. 44010	0.406	04/29/14	13%	234.9	\$284.00	\$66,715
(17) All American Foods Solar Asset. No. 46721	0.331	10/24/14	13%	191.5	\$284.00	\$54,391
(18) Brickle Group Solar Project Asset. No. 46911	1.084	12/04/14	13%	627.2	\$184.90	\$115,969
(19) T.E.A.M. Inc. Solar Asset. No. 46913	0.182	12/11/14	13%	105.3	\$288.00	\$30,328
(20) Newport Vineyards Solar Asset. No. 46917	0.053	12/15/14	13%	30.7	\$299.50	\$9,184
(21) SER Solar 23 Appian Way Asset. No. 46926	0.052	12/17/14	13%	30.1	\$277.57	\$8,351
(22) Nexamp 76 Stilson Rd. Asset. No. 47020	0.498	02/28/15	13%	288.1	\$194.88	\$56,153
(23) Randall Steere Farm Asset. No. 46998	0.091	03/18/15	13%	52.7	\$299.49	\$15,769
(24) Johnston Solar Asset No. 47357	1.700	08/03/15	13%	983.6	\$175.00	\$172,133
(25) North Kingstown Solar 1720 Davisville Rd.- Asset No. 47487	0.500	10/20/15	13%	289.3	\$190.00	\$54,967
(26) Wilco 260 South County Trail - Asset No. 48664	1.246	08/11/16	13%	720.9	\$219.50	\$158,245
(27) Foster Solar - Asset No. 48774	1.250	09/08/16	13%	723.2	\$205.99	\$148,982
(28) Brookside Equestrian Center No. 48899	1.246	10/19/16	13%	720.9	\$149.90	\$108,068
(29) Deepwater Wind Asset No. 38495	30.000	12/12/16	45%	58,696.4	\$270.47	\$15,875,610
(30) Orbit Energy Asset No. 50057	3.200	08/24/17	0%	0.0	\$100.81	\$0
(31) Frenchtown Road Solar - Asset No. 50731	1.250	01/30/18	13%	690.4	\$196.00	\$135,318
(32) Copenhagen Wind Farm	79.900	12/27/18	32%	111,742.9	\$81.93	\$9,155,261
(33) Woods Hill Solar Asset No. 49370	1.500	12/26/18	13%	867.9	\$99.49	\$86,347
(34) Hope Farm Solar Asset No. 49029	5.000	12/31/19*	13%	<u>2,893.0</u>	\$93.66	<u>\$270,957</u>
(35) Total				300,925		\$44,524,915

- (a) commercially operable units
- (b) start date of commercial operation; Line (34) estimated
- (c) estimated based on prior average annual generation
- (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 January 2020 through June 2020

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	100,963.4	\$45.13	\$4,556,377	\$42.70	\$4,311,138	\$1,051,622	\$9,919,137
(2)	Wind Energy Dev. NK Green LLC Asset No. 42394	1,157.6	\$45.93	\$53,167	\$42.70	\$49,431		\$102,598
(3)	Con Edison Development Plain Mtg House Asset No. 43512	1,157.2	\$41.93	\$48,517	\$42.70	\$49,412		\$97,930
(4)	ACP Land LLC 28 Jacome Way Asset No. 43527	289.3	\$41.93	\$12,129	\$42.70	\$12,353		\$24,482
(5)	Comtram Cable Asset No. 43586	288.7	\$41.93	\$12,105	\$42.70	\$12,328		\$24,433
(6)	CCI New England 500 kW Asset No. 43607	288.1	\$41.93	\$12,081	\$42.70	\$12,304		\$24,384
(7)	Conanicut Marine Services (CMS) Solar Asset No. 43685	74.1	\$41.93	\$3,105	\$42.70	\$3,162		\$6,267
(8)	Black Bear Orono B Hydro Asset No. 38083	11,592.6	\$40.35	\$467,742	\$42.70	\$495,004	\$132,011	\$1,094,757
(9)	West Davisville Solar Asset No. 43716	1,353.9	\$41.93	\$56,765	\$42.70	\$57,812		\$114,578
(10)	Forbes Street Solar Asset No. 43762	2,146.6	\$41.93	\$90,000	\$42.70	\$91,660		\$181,659
(11)	CCI New England 181 kW Asset No. 43921	104.7	\$41.93	\$4,391	\$42.70	\$4,472		\$8,863
(12)	100 Dupont Solar Asset No. 44003	867.9	\$41.93	\$36,388	\$42.70	\$37,059		\$73,447
(13)	225 Dupont Solar Asset No. 44004	173.6	\$41.93	\$7,278	\$42.70	\$7,412		\$14,689
(14)	35 Martin Solar Asset No. 44006	289.3	\$41.93	\$12,129	\$42.70	\$12,353		\$24,482
(15)	0 Martin Solar Asset No. 44005	289.3	\$41.93	\$12,129	\$42.70	\$12,353		\$24,482
(16)	Gannon & Scott Solar Asset No. 44010	234.9	\$41.93	\$9,849	\$42.70	\$10,031		\$19,880
(17)	All American Foods Solar Asset. No. 46721	191.5	\$41.93	\$8,030	\$42.70	\$8,178		\$16,207
(18)	Brickle Group Solar Project Asset. No. 46911	627.2	\$41.93	\$26,296	\$42.70	\$26,781		\$53,078
(19)	T.E.A.M. Inc. Solar Asset. No. 46913	105.3	\$41.93	\$4,415	\$42.70	\$4,497		\$8,912
(20)	Newport Vineyards Solar Asset. No. 46917	30.7	\$41.93	\$1,286	\$42.70	\$1,309		\$2,595
(21)	SER Solar 23 Appian Way Asset. No. 46926	30.1	\$41.93	\$1,261	\$42.70	\$1,285		\$2,546
(22)	Nexamp 76 Stilson Rd. Asset. No. 47020	288.1	\$41.93	\$12,081	\$42.70	\$12,304		\$24,384
(23)	Randall Steere Farm Asset. No. 46998	52.7	\$41.93	\$2,208	\$42.70	\$2,248		\$4,456
(24)	Johnston Solar Asset No. 47357	983.6	\$41.93	\$41,240	\$42.70	\$42,000		\$83,240
(25)	North Kingstown Solar 1720 Davisville Rd.- Asset No. 47487	289.3	\$41.93	\$12,129	\$42.70	\$12,353		\$24,482
(26)	Wilco 260 South County Trail - Asset No. 48664	720.9	\$41.93	\$30,226	\$42.70	\$30,784		\$61,010
(27)	Foster Solar - Asset No. 48774	723.2	\$41.93	\$30,323	\$42.70	\$30,883		\$61,206
(28)	Brookside Equestrian Center No. 48899	720.9	\$41.93	\$30,226	\$42.70	\$30,784		\$61,010
(29)	Deepwater Wind Asset No. 38495	58,696.4	\$46.31	\$2,718,323	\$42.70	\$2,506,335	\$531,794	\$5,756,452
(30)	Orbit Energy Asset No. 50057	0.0	\$45.13	\$0	\$42.70	\$0		\$0
(31)	Frenchtown Road Solar - Asset No. 50731	690.4	\$41.93	\$28,946	\$42.70	\$29,480		\$58,426
(32)	Copenhagen Wind Farm	111,742.9	\$45.93	\$5,132,077	\$42.70	\$4,771,420		\$9,903,497
(33)	Woods Hill Solar Asset No. 49370	867.9	\$41.93	\$36,388	\$42.70	\$37,059		\$73,447
(34)	Hope Farm Solar Asset No. 49029	2,893.0	\$41.93	<u>\$121,293</u>	\$42.70	<u>\$123,531</u>		<u>\$244,824</u>
(35)	Total			\$13,630,902		\$12,849,516	\$1,715,426	\$28,195,844

- (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 January 2020 through June 2020**

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	\$14,736,520	\$9,919,137	\$4,817,383
(2)	Wind Energy Dev. NK Green LLC Asset No. 42394	\$154,544	\$102,598	\$51,946
(3)	Con Edison Development Plain Mtg House Asset No. 43512	\$318,229	\$97,930	\$220,299
(4)	ACP Land LLC 28 Jacome Way Asset No. 43527	\$91,418	\$24,482	\$66,936
(5)	Comtram Cable Asset No. 43586	\$91,236	\$24,433	\$66,802
(6)	CCI New England 500 kW Asset No. 43607	\$91,053	\$24,384	\$66,668
(7)	Conanicut Marine Services (CMS) Solar Asset No. 43685	\$21,329	\$6,267	\$15,062
(8)	Black Bear Orono B Hydro Asset No. 38083	\$1,211,764	\$1,094,757	\$117,007
(9)	West Davisville Solar Asset No. 43716	\$320,865	\$114,578	\$206,288
(10)	Forbes Street Solar Asset No. 43762	\$513,037	\$181,659	\$331,378
(11)	CCI New England 181 kW Asset No. 43921	\$33,093	\$8,863	\$24,231
(12)	100 Dupont Solar Asset No. 44003	\$181,390	\$73,447	\$107,943
(13)	225 Dupont Solar Asset No. 44004	\$54,851	\$14,689	\$40,162
(14)	35 Martin Solar Asset No. 44006	\$91,418	\$24,482	\$66,936
(15)	0 Martin Solar Asset No. 44005	\$91,418	\$24,482	\$66,936
(16)	Gannon & Scott Solar Asset No. 44010	\$66,715	\$19,880	\$46,835
(17)	All American Foods Solar Asset. No. 46721	\$54,391	\$16,207	\$38,183
(18)	Brickle Group Solar Project Asset. No. 46911	\$115,969	\$53,078	\$62,891
(19)	T.E.A.M. Inc. Solar Asset. No. 46913	\$30,328	\$8,912	\$21,416
(20)	Newport Vineyards Solar Asset. No. 46917	\$9,184	\$2,595	\$6,589
(21)	SER Solar 23 Appian Way Asset. No. 46926	\$8,351	\$2,546	\$5,805
(22)	Nexamp 76 Stilson Rd. Asset. No. 47020	\$56,153	\$24,384	\$31,769
(23)	Randall Steere Farm Asset. No. 46998	\$15,769	\$4,456	\$11,313
(24)	Johnston Solar Asset No. 47357	\$172,133	\$83,240	\$88,893
(25)	North Kingstown Solar 1720 Davisville Rd.- Asset No. 47487	\$54,967	\$24,482	\$30,484
(26)	Wilco 260 South County Trail - Asset No. 48664	\$158,245	\$61,010	\$97,235
(27)	Foster Solar - Asset No. 48774	\$148,982	\$61,206	\$87,776
(28)	Brookside Equestrian Center No. 48899	\$108,068	\$61,010	\$47,058
(29)	Deepwater Wind Asset No. 38495	\$15,875,610	\$5,756,452	\$10,119,158
(30)	Orbit Energy Asset No. 50057	\$0	\$0	\$0
(31)	Frenchtown Road Solar - Asset No. 50731	\$135,318	\$58,426	\$76,892
(32)	Copenhagen Wind Farm	\$9,155,261	\$9,903,497	(\$748,237)
(33)	Woods Hill Solar Asset No. 49370	\$86,347	\$73,447	\$12,900
(34)	Hope Farm Solar Asset No. 49029	<u>\$270,957</u>	<u>\$244,824</u>	<u>\$26,133</u>
(35)	Total	\$44,524,915	\$28,195,844	\$16,329,071

(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 January 2020 through June 2020**

<u>Unit</u>	<u>CSO MW's</u> (a)	<u>Estimated MRA 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		1,000	\$0	\$0	\$0
(2)	Wind Energy Dev. NK Green LLC Asset No. 42394		1,000	\$0	\$0	\$0
(3)	Con Edison Development Plain Mtg House Asset No. 43512	0.938	1,000	\$1,932	\$1,739	\$193
(4)	ACP Land LLC 28 Jacome Way Asset No. 43527	0.228	1,000	\$470	\$423	\$47
(5)	Comtram Cable Asset No. 43586	0.232	1,000	\$478	\$430	\$48
(6)	CCI New England 500 kW Asset No. 43607	0.162	1,000	\$334	\$300	\$33
(7)	Conanicut Marine Services (CMS) Solar Asset No. 43685		1,000	\$0	\$0	\$0
(8)	Black Bear Orono B Hydro Asset No. 38083		1,000	\$0	\$0	\$0
(9)	West Davisville Solar Asset No. 43716	0.980	1,000	\$2,019	\$1,817	\$202
(10)	Forbes Street Solar Asset No. 43762	1.551	1,000	\$3,195	\$2,876	\$320
(11)	CCI New England 181 kW Asset No. 43921		1,000	\$0	\$0	\$0
(12)	100 Dupont Solar Asset No. 44003	0.611	1,000	\$1,259	\$1,133	\$126
(13)	225 Dupont Solar Asset No. 44004	0.133	1,000	\$274	\$247	\$27
(14)	35 Martin Solar Asset No. 44006	0.214	1,000	\$441	\$397	\$44
(15)	0 Martin Solar Asset No. 44005	0.210	1,000	\$433	\$389	\$43
(16)	Gannon & Scott Solar Asset No. 44010	0.157	1,000	\$323	\$291	\$32
(17)	All American Foods Solar Asset. No. 46721	0.132	1,000	\$272	\$245	\$27
(18)	Brickle Group Solar Project Asset. No. 46911	0.451	1,000	\$929	\$836	\$93
(19)	T.E.A.M. Inc. Solar Asset. No. 46913		1,000	\$0	\$0	\$0
(20)	Newport Vineyards Solar Asset. No. 46917		1,000	\$0	\$0	\$0
(21)	SER Solar 23 Appian Way Asset. No. 46926		1,000	\$0	\$0	\$0
(22)	Nexamp 76 Stilson Rd. Asset. No. 47020	0.223	1,000	\$459	\$413	\$46
(23)	Randall Steere Farm Asset. No. 46998		1,000	\$0	\$0	\$0
(24)	Johnston Solar Asset No. 47357	0.493	1,000	\$1,016	\$914	\$102
(25)	North Kingstown Solar 1720 Davisville Rd.- Asset No. 47487	0.216	1,000	\$445	\$400	\$44
(26)	Wilco 260 South County Trail - Asset No. 48664	0.508	1,000	\$1,046	\$942	\$105
(27)	Foster Solar - Asset No. 48774	0.493	1,000	\$1,016	\$914	\$102
(28)	Brookside Equestrian Center No. 48899	0.474	1,000	\$976	\$879	\$98
(29)	Deepwater Wind Asset No. 38495		1,000	\$0	\$0	\$0
(30)	Orbit Energy Asset No. 50057		1,000	\$0	\$0	\$0
(31)	Frenchtown Road Solar - Asset No. 50731	0.552	1,000	\$1,137	\$1,023	\$114
(32)	Copenhagen Wind Farm	-	1,000	\$0	\$0	\$0
(33)	Woods Hill Solar Asset No. 49370	-	1,000	\$0	\$0	\$0
(34)	Hope Farm Solar Asset No. 49029	-	1,000	\$0	\$0	\$0
(35)	Total			\$18,453	\$16,608	\$1,845

- (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 January 2020 through June 2020**

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

(1)	Estimated Net Forward Capacity Market Proceeds	\$18,453
(2)	Estimated Customer Share of Net Forward Capacity Market Proceeds	\$16,608

Section 2: Estimated Administrative Costs:

(3)	Estimated new projects being bid into the FCM	0
(4)	Estimated existing projects being bid into the FCM	20
(5)	Estimated Qualification hours per new project	20
(6)	Estimated Annual Monitoring Labor Hours per project	15
(7)	Estimated total hours for January 2020 - June 2020	150
(8)	Estimated Unburdened Average Hourly Rate	\$38.46
(9)	Estimated Burden Rate	63.35%
(10)	Estimated Burdened Average Hourly Rate	\$62.83
(11)	Estimated total administrative costs for the FCM	\$9,424

- (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)