

November 15, 2021

BY HAND DELIVERY AND ELECTRONIC MAIL

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

RE: Docket No. 5201 - 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”), R.I.P.U.C. No. 2174, I have enclosed one (1) copy of National Grid’s proposed Long-Term Contracting for Renewable Energy Recovery Factor (“LTC Recovery Factor”) for the period January 2022 through June 2022 (“Pricing Period”). The Company is proposing a recovery factor of 0.290¢ per kilowatt-hour (“kWh”), applicable to all customers, effective for usage on and after January 1, 2022. The proposed LTC Recovery Factor is designed to recover the estimated above-market cost 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 \$2.04 per month, or 1.6%, from \$125.64 to \$123.60.

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

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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 DG 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 customers' share of net FCM 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, or which are anticipated to enter commercial operation prior to the Pricing Period. Additionally, 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 cost of \$5,786,674 shown on Line (1) is reduced by the estimated customer share of net FCM proceeds on Line (2) of \$25,969 and is increased by the estimated administrative costs of \$16,017 shown on Line (3). This results in a total estimated cost for January 2022 through June 2022 of \$5,776,722. This total cost is divided by the forecasted kWhs for the Pricing Period, resulting in a recovery factor of 0.165¢ per kWh. The uncollectibles percentage of 1.30% is applied to the factor of 0.165¢ per kWh, resulting in an adjusted factor of 0.167¢ per kWh. The currently effective LTC Recovery Reconciliation Factor of 0.123¢ per kWh, approved by the PUC in Docket No. 5127, is added to the proposed base factor, resulting in a total proposed LTC Recovery Factor of 0.290¢ per kWh, as shown on Line (10).

Calculation of the Estimated Above-Market Cost

Page 4 of Attachment 1 shows the estimated above-market cost that the Company expects to incur during the Pricing Period for each contract. 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 Company estimated the expected unit generation by applying the unit availability factor to the unit capacity, to derive an expected six-month generation of 313,387 megawatt-hours for all units. The estimated generation multiplied by the contract price per megawatt results in expected total payments of \$44,834,905.

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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 \$39,048,231, which, when subtracted from the total expected payments of \$44,834,905 results in an estimated above-market cost of \$5,786,674 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)), Deepwater Wind (Line (29)), and Orbit Energy (Line (30)) for the Pricing Period.² Page 5 of Attachment 1 includes estimated capacity revenue that the Company expects to receive between January and June 2022 from 20 units as part of the Company's approved program to bid capacity of customer-owned DG facilities into the FCM.³ The estimated capacity revenue for the 20 DG facilities is calculated with an estimated Monthly Reconfiguration Auction 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 5 of Attachment 1 shows the calculation of the Estimated FCM Proceeds and Costs. Page 6 shows the calculation of the estimated administrative costs associated with the Company's participation in the FCM.

Bill Impacts

² The Company takes title to the capacity for these four 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, Page 1, Line (2).

³ The Company's proposal was approved in Docket No. 4676.

Robinson+Cole

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Also included in this filing are the Bill Impacts associated with the proposed rate change, presented as Attachment 2. The impact of the proposed LTC Recovery Factor on a typical residential customer using 500 kWhs per month is a decrease of \$2.04 per month, or 1.6%, as shown on Attachment 2, page 1.

At this time, the Company is not filing its Summary of Retail Delivery Rates, R.I.P.U.C. No. 2095. The Company has proposed a new Energy Efficiency ("EE") Program Charge in Docket No. 5189. If the PUC approves the new EE Program Charge and the proposed LTC Recovery Factor in this proceeding, both will be effective on January 1, 2022. Therefore, the Company will file its Summary of Retail Delivery Service Rates incorporating all rate changes effective January 1, 2022 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. 5201 – National Grid – LTC Recovery Factor
Service List updated 11/15/2021**

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The Narragansett Electric Company
d/b/a National Grid

**Long-Term Contracting for Renewable
Energy Recovery Factor Filing**

November 15, 2021

Submitted to:
Rhode Island Public Utilities Commission
R.I.P.U.C. Docket No. 5201

Submitted by:

nationalgrid

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
R.I.P.U.C. DOCKET NO. 5201
LONG-TERM CONTRACTING FOR
RENEWABLE ENERGY RECOVERY FACTOR FILING

Attachment 1

**Long-Term Contracting for Renewable Energy Recovery Factor
Calculation**

**Long-Term Contracting for Renewable Energy Recovery (LTCRER)
Factor Calculation
For the Period January 2022 through June 2022**

(1) Above Market Cost for the period January 2022 through June 2022 (AM)	\$5,786,674
(2) Estimated Customer Share of Net Forward Capacity Market Proceeds (NFCMP)	\$25,969
(3) <u>Estimated Administrative Costs (ADM)</u>	<u>\$16,017</u>
(4) Total Estimated Costs	\$5,776,722
(5) Forecasted kWh Deliveries - January 2022 through June 2022 (FkWh)	3,493,030,851
(6) Proposed LTCRER Factor for the period of January 2022 through June 2022	\$0.00165
(7) Adjustment for Uncollectibles (UP)	<u>1.30%</u>
(8) LTCRER Factor for the period of January 2022 through June 2022	\$0.00167
(9) Currently Effective LTCRER Reconciliation Factor	<u>\$0.00123</u>
(10) Total Proposed LTCRER Factor (LTCRER Factor)	\$0.00290
(11) Current LTCRER Factor	<u>\$0.00680</u>
(12) Decrease in LTCRER Factor	(\$0.00390)

- (1) Page 4, Column (c), Line (39)
- (2) Page 5, Column (e), Line (39)
- (3) 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 R.I.P.U.C. Docket No. 4770
- (8) Line (6) x [1 + Line (7)], truncated to five decimal places
- (9) per R.I.P.U.C. Docket No. 5127, Schedule NG-18, Page 1, Line (22)
- (10) Line (8) + Line (9)
- (11) Summary of Delivery Rates, R.I.P.U.C. No. 2095, Effective October 1, 2021
- (12) Line (10) - Line (11)

Long-Term Contracting for Renewable Energy Recovery (LTCRER)
Estimated Contract Cost
For the Period January 2022 through June 2022

Estimated Six-Month Contract Cost

	<u>Unit</u>	Unit	Commercial	Unit	Estimated	Contract Price	Estimated
		Capacity	Operation Date	Factor	Six-Month		Six-Month
		(MW)	(b)	(c)	Output (MWh)	(\$ per MWh)	Contract Cost
		(a)			(d)	(e)	(f)
(1)	RI LFG Genco Asset No. 40054	32.100	05/28/13	68%	95,606.6	\$153.35	\$14,661,183
(2)	Wind Energy Dev. NK Green LLC Asset No. 42394	1.500	03/01/13	20%	1,314.0	\$133.50	\$175,419
(3)	Con Edison Development Plain Mtg House Asset No. 43512	2.000	07/19/13	13%	1,138.8	\$275.00	\$313,170
(4)	ACP Land LLC 28 Jacome Way Asset No. 43527	0.500	07/18/13	13%	284.7	\$316.00	\$89,965
(5)	Comtram Cable Asset No. 43586	0.499	09/30/13	13%	284.1	\$316.00	\$89,785
(6)	CCI New England 500 kW Asset No. 43607	0.498	10/25/13	13%	283.6	\$316.00	\$89,605
(7)	Conanicut Marine Services (CMS) Solar Asset No. 43685	0.128	10/21/13	13%	72.9	\$288.00	\$20,990
(8)	Black Bear Orono B Hydro Asset No. 68728	3.958	11/22/13	44%	7,627.9	\$108.75	\$829,545
(9)	West Davisville Solar Asset No. 43716	2.340	12/06/13	13%	1,332.4	\$236.99	\$315,765
(10)	Forbes Street Solar Asset No. 43762	3.710	12/20/13	13%	2,112.5	\$239.00	\$504,881
(11)	CCI New England 181 kW Asset No. 43921	0.181	02/27/14	13%	103.1	\$316.00	\$32,567
(12)	100 Dupont Solar Asset No. 44003	1.500	03/25/14	13%	854.1	\$209.00	\$178,507
(13)	225 Dupont Solar Asset No. 44004	0.300	03/25/14	13%	170.8	\$316.00	\$53,979
(14)	35 Martin Solar Asset No. 44006	0.500	03/27/14	13%	284.7	\$316.00	\$89,965
(15)	0 Martin Solar Asset No. 44005	0.500	03/27/14	13%	284.7	\$316.00	\$89,965
(16)	Gannon & Scott Solar Asset No. 44010	0.406	04/29/14	13%	231.2	\$284.00	\$65,654
(17)	All American Foods Solar Asset. No. 46721	0.331	10/24/14	13%	188.5	\$284.00	\$53,526
(18)	Brickle Group Solar Project Asset. No. 46911	1.084	12/04/14	13%	617.2	\$184.90	\$114,126
(19)	T.E.A.M. Inc. Solar Asset. No. 46913	0.182	12/11/14	13%	103.6	\$288.00	\$29,846
(20)	Newport Vineyards Solar Asset. No. 46917	0.053	12/15/14	13%	30.2	\$299.50	\$9,038
(21)	SER Solar 23 Appian Way Asset. No. 46926	0.052	12/17/14	13%	29.6	\$277.57	\$8,219
(22)	Nexamp 76 Stilson Rd. Asset. No. 47020	0.498	02/28/15	13%	283.6	\$194.88	\$55,260
(23)	Randall Steere Farm Asset. No. 46998	0.091	03/18/15	13%	51.8	\$299.49	\$15,518
(24)	Johnston Solar Asset No. 47357	1.700	08/03/15	13%	968.0	\$175.00	\$169,397
(25)	North Kingstown Solar 1720 Davisville Rd.- Asset No. 47487	0.500	10/20/15	13%	284.7	\$190.00	\$54,093
(26)	Wilco 260 South County Trail - Asset No. 48664	1.246	08/11/16	13%	709.5	\$219.50	\$155,729
(27)	Foster Solar - Asset No. 48774	1.250	09/08/16	13%	711.8	\$205.99	\$146,613
(28)	Brookside Equestrian Center No. 48899	1.246	10/19/16	13%	709.5	\$149.90	\$106,350
(29)	Deepwater Wind Asset No. 38495	30.000	12/12/16	36%	47,304.0	\$289.74	\$13,705,861
(30)	Orbit Energy Asset No. 50057	3.200	08/24/17	8%	1,121.3	\$104.89	\$117,611
(31)	Frenchtown Road Solar - Asset No. 50731	1.250	01/30/18	13%	711.8	\$196.00	\$139,503
(32)	Copenhagen Wind Farm	79.900	12/27/18	31%	108,488.2	\$85.24	\$9,247,702
(33)	Woods Hill Solar Asset No. 49370	1.500	12/26/18	15%	985.5	\$99.49	\$98,047
(34)	Hope Farm Solar Asset No. 49029	5.000	12/17/19	18%	3,942.0	\$93.66	\$369,208
(35)	Sanford Airport Solar Asset No. 68737	3.702	11/19/20	19%	3,080.8	\$78.95	\$243,230
(36)	Cassadaga Wind	18.750	07/20/21	31%	25,458.8	\$74.87	\$1,906,000
(37)	Farmington Solar Asset No. 69786	3.702	10/27/21	17%	2,810.4	\$84.85	\$238,465
(38)	Quinebaug Solar	3.702	12/15/21*	17%	<u>2,810.6</u>	\$89.17	<u>\$250,617</u>
(39)	Total				313,387		\$44,834,905

- (a) Commercially operable units
(b) Start date of commercial operation; Line (38) estimated Commercial Operation Date
(c) Estimated based on prior average annual generation
(d) Column (a) x Column (c) x (8,760 ÷ 2) hours
(e) per PPA. Line (36) blended Peak/Off Peak price per PPA
(f) Column (d) x Column (e)

**Long-Term Contracting for Renewable Energy Recovery (LTCRER)
Estimated Market Value
For the Period January 2022 through June 2022**

<u>Estimated Market Value</u>							
<u>Unit</u>	<u>Estimated MWh Purchased Under Contracts</u>	<u>Market Energy Proxy</u>	<u>Energy Market Value</u>	<u>REC Proxy</u>	<u>REC Market Value</u>	<u>Capacity</u>	<u>Total Market Value</u>
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
(1) RI LFG Genco Asset No. 40054	95,606.6	\$84.58	\$8,086,450	\$38.13	\$3,645,003	\$679,900	\$12,411,353
(2) Wind Energy Dev. NK Green LLC Asset No. 42394	1,314.0	\$78.18	\$102,728	\$38.13	\$50,096		\$152,825
(3) Con Edison Development Plain Mtg House Asset No. 43512	1,138.8	\$76.40	\$87,003	\$38.13	\$43,417		\$130,420
(4) ACP Land LLC 28 Jacome Way Asset No. 43527	284.7	\$76.40	\$21,751	\$38.13	\$10,854		\$32,605
(5) Comtram Cable Asset No. 43586	284.1	\$76.40	\$21,707	\$38.13	\$10,832		\$32,540
(6) CCI New England 500 kW Asset No. 43607	283.6	\$76.40	\$21,664	\$38.13	\$10,811		\$32,474
(7) Conanicut Marine Services (CMS) Solar Asset No. 43685	72.9	\$76.40	\$5,568	\$38.13	\$2,779		\$8,347
(8) Black Bear Orono B Hydro Asset No. 68728	7,627.9	\$85.60	\$652,978	\$38.13	\$290,812	\$89,695	\$1,033,485
(9) West Davisville Solar Asset No. 43716	1,332.4	\$76.40	\$101,793	\$38.13	\$50,798		\$152,591
(10) Forbes Street Solar Asset No. 43762	2,112.5	\$76.40	\$161,390	\$38.13	\$80,538		\$241,928
(11) CCI New England 181 kW Asset No. 43921	103.1	\$76.40	\$7,874	\$38.13	\$3,929		\$11,803
(12) 100 Dupont Solar Asset No. 44003	854.1	\$76.40	\$65,252	\$38.13	\$32,563		\$97,815
(13) 225 Dupont Solar Asset No. 44004	170.8	\$76.40	\$13,050	\$38.13	\$6,513		\$19,563
(14) 35 Martin Solar Asset No. 44006	284.7	\$76.40	\$21,751	\$38.13	\$10,854		\$32,605
(15) 0 Martin Solar Asset No. 44005	284.7	\$76.40	\$21,751	\$38.13	\$10,854		\$32,605
(16) Gannon & Scott Solar Asset No. 44010	231.2	\$76.40	\$17,662	\$38.13	\$8,814		\$26,475
(17) All American Foods Solar Asset. No. 46721	188.5	\$76.40	\$14,399	\$38.13	\$7,185		\$21,584
(18) Brickle Group Solar Project Asset. No. 46911	617.2	\$76.40	\$47,156	\$38.13	\$23,532		\$70,687
(19) T.E.A.M. Inc. Solar Asset. No. 46913	103.6	\$76.40	\$7,917	\$38.13	\$3,951		\$11,868
(20) Newport Vineyards Solar Asset. No. 46917	30.2	\$76.40	\$2,306	\$38.13	\$1,151		\$3,456
(21) SER Solar 23 Appian Way Asset. No. 46926	29.6	\$76.40	\$2,262	\$38.13	\$1,129		\$3,391
(22) Nexamp 76 Stilson Rd. Asset. No. 47020	283.6	\$76.40	\$21,664	\$38.13	\$10,811		\$32,474
(23) Randall Steere Farm Asset. No. 46998	51.8	\$76.40	\$3,959	\$38.13	\$1,975		\$5,934
(24) Johnston Solar Asset No. 47357	968.0	\$76.40	\$73,952	\$38.13	\$36,904		\$110,857
(25) North Kingstown Solar 1720 Davisville Rd.- Asset No. 47487	284.7	\$76.40	\$21,751	\$38.13	\$10,854		\$32,605
(26) Wilco 260 South County Trail - Asset No. 48664	709.5	\$76.40	\$54,203	\$38.13	\$27,049		\$81,251
(27) Foster Solar - Asset No. 48774	711.8	\$76.40	\$54,377	\$38.13	\$27,135		\$81,512
(28) Brookside Equestrian Center No. 48899	709.5	\$76.40	\$54,203	\$38.13	\$27,049		\$81,251
(29) Deepwater Wind Asset No. 38495	47,304.0	\$94.48	\$4,469,241	\$38.13	\$1,803,465	\$344,304	\$6,617,009
(30) Orbit Energy Asset No. 50057	1,121.3	\$84.58	\$94,838	\$38.13	\$42,749	\$86,256	\$223,843
(31) Frenchtown Road Solar - Asset No. 50731	711.8	\$76.40	\$54,377	\$38.13	\$27,135		\$81,512
(32) Copenhagen Wind Farm	108,488.2	\$78.18	\$8,481,595	\$38.13	\$4,136,113		\$12,617,708
(33) Woods Hill Solar Asset No. 49370	985.5	\$76.40	\$75,291	\$38.13	\$37,572		\$112,863
(34) Hope Farm Solar Asset No. 49029	3,942.0	\$76.40	\$301,164	\$38.13	\$150,289		\$451,452
(35) Sanford Airport Solar Asset No. 68737	3,080.8	\$76.40	\$235,369	\$38.13	\$117,456		\$352,825
(36) Cassadaga Wind	25,458.8	\$78.18	\$1,990,362	\$38.13	\$970,615		\$2,960,977
(37) Farmington Solar Asset No. 69786	2,810.4	\$76.40	\$214,713	\$38.13	\$107,148		\$321,861
(38) Quinebaug Solar	2,810.6	\$76.40	<u>\$214,723</u>	\$38.13	<u>\$107,153</u>		<u>\$321,875</u>
(39) Total			\$25,900,191		\$11,947,886	\$1,200,154	\$39,048,231

(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 2022 through June 2022****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	\$14,661,183	\$12,411,353	\$2,249,830
(2)	Wind Energy Dev. NK Green LLC Asset No. 42394	\$175,419	\$152,825	\$22,594
(3)	Con Edison Development Plain Mtg House Asset No. 43512	\$313,170	\$130,420	\$182,750
(4)	ACP Land LLC 28 Jacome Way Asset No. 43527	\$89,965	\$32,605	\$57,360
(5)	Comtram Cable Asset No. 43586	\$89,785	\$32,540	\$57,246
(6)	CCI New England 500 kW Asset No. 43607	\$89,605	\$32,474	\$57,131
(7)	Conanicut Marine Services (CMS) Solar Asset No. 43685	\$20,990	\$8,347	\$12,644
(8)	Black Bear Orono B Hydro Asset No. 68728	\$829,545	\$1,033,485	(\$203,940)
(9)	West Davisville Solar Asset No. 43716	\$315,765	\$152,591	\$163,174
(10)	Forbes Street Solar Asset No. 43762	\$504,881	\$241,928	\$262,953
(11)	CCI New England 181 kW Asset No. 43921	\$32,567	\$11,803	\$20,764
(12)	100 Dupont Solar Asset No. 44003	\$178,507	\$97,815	\$80,692
(13)	225 Dupont Solar Asset No. 44004	\$53,979	\$19,563	\$34,416
(14)	35 Martin Solar Asset No. 44006	\$89,965	\$32,605	\$57,360
(15)	0 Martin Solar Asset No. 44005	\$89,965	\$32,605	\$57,360
(16)	Gannon & Scott Solar Asset No. 44010	\$65,654	\$26,475	\$39,179
(17)	All American Foods Solar Asset. No. 46721	\$53,526	\$21,584	\$31,941
(18)	Brickle Group Solar Project Asset. No. 46911	\$114,126	\$70,687	\$43,438
(19)	T.E.A.M. Inc. Solar Asset. No. 46913	\$29,846	\$11,868	\$17,978
(20)	Newport Vineyards Solar Asset. No. 46917	\$9,038	\$3,456	\$5,582
(21)	SER Solar 23 Appian Way Asset. No. 46926	\$8,219	\$3,391	\$4,828
(22)	Nexamp 76 Stilson Rd. Asset. No. 47020	\$55,260	\$32,474	\$22,786
(23)	Randall Steere Farm Asset. No. 46998	\$15,518	\$5,934	\$9,584
(24)	Johnston Solar Asset No. 47357	\$169,397	\$110,857	\$58,540
(25)	North Kingstown Solar 1720 Davisville Rd.- Asset No. 47487	\$54,093	\$32,605	\$21,488
(26)	Wilco 260 South County Trail - Asset No. 48664	\$155,729	\$81,251	\$74,478
(27)	Foster Solar - Asset No. 48774	\$146,613	\$81,512	\$65,101
(28)	Brookside Equestrian Center No. 48899	\$106,350	\$81,251	\$25,099
(29)	Deepwater Wind Asset No. 38495	\$13,705,861	\$6,617,009	\$7,088,852
(30)	Orbit Energy Asset No. 50057	\$117,611	\$223,843	(\$106,232)
(31)	Frenchtown Road Solar - Asset No. 50731	\$139,503	\$81,512	\$57,991
(32)	Copenhagen Wind Farm	\$9,247,702	\$12,617,708	(\$3,370,006)
(33)	Woods Hill Solar Asset No. 49370	\$98,047	\$112,863	(\$14,816)
(34)	Hope Farm Solar Asset No. 49029	\$369,208	\$451,452	(\$82,245)
(35)	Sanford Airport Solar Asset No. 68737	\$243,230	\$352,825	(\$109,595)
(36)	Cassadaga Wind	\$1,906,000	\$2,960,977	(\$1,054,977)
(37)	Farmington Solar Asset No. 69786	\$238,465	\$321,861	(\$83,396)
(38)	Quinebaug Solar	<u>\$250,617</u>	<u>\$321,875</u>	<u>(\$71,258)</u>
(39)	Total	\$44,834,905	\$39,048,231	\$5,786,674

(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 2022 through June 2022**

<u>Unit</u>	<u>FCM Resource ID</u>	<u>CSO MW's (a)</u>	<u>Estimated Capacity Price (b)</u>	<u>Conversion to kW (c)</u>	<u>Total Capacity Bid into FCM (d)</u>	<u>Customer Share (e)</u>	<u>Company Share (f)</u>
(1) RI LFG Genco Asset No. 40054	14599		\$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	38834	0.855	\$3.800	1,000	\$3,249	\$2,924	\$325
(4) ACP Land LLC 28 Jacome Way Asset No. 43527	38833	0.163	\$3.800	1,000	\$619	\$557	\$62
(5) Comtram Cable Asset No. 43586	38853	0.195	\$3.800	1,000	\$741	\$667	\$74
(6) CCI New England 500 kW Asset No. 43607	38855	0.162	\$1.000	1,000	\$162	\$146	\$16
(7) Conanicut Marine Services (CMS) Solar Asset No. 43685			\$0.000	1,000	\$0	\$0	\$0
(8) Black Bear Orono B Hydro Asset No. 68728	38431		\$0.000	1,000	\$0	\$0	\$0
(9) West Davisville Solar Asset No. 43716	38843	0.768	\$3.800	1,000	\$2,918	\$2,627	\$291
(10) Forbes Street Solar Asset No. 43762	38842	1.267	\$3.800	1,000	\$4,815	\$4,333	\$482
(11) CCI New England 181 kW Asset No. 43921			\$0.000	1,000	\$0	\$0	\$0
(12) 100 Dupont Solar Asset No. 44003	38858	0.497	\$3.800	1,000	\$1,889	\$1,700	\$189
(13) 225 Dupont Solar Asset No. 44004	38861	0.115	\$3.800	1,000	\$437	\$393	\$44
(14) 35 Martin Solar Asset No. 44006	38862	0.183	\$3.800	1,000	\$695	\$626	\$69
(15) 0 Martin Solar Asset No. 44005	38860	0.182	\$3.800	1,000	\$692	\$622	\$70
(16) Gannon & Scott Solar Asset No. 44010	38867	0.128	\$3.800	1,000	\$486	\$438	\$48
(17) All American Foods Solar Asset. No. 46721	38864	0.103	\$3.800	1,000	\$391	\$352	\$39
(18) Brickle Group Solar Project Asset. No. 46911	38865	0.409	\$3.800	1,000	\$1,554	\$1,399	\$155
(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	38869	0.194	\$3.800	1,000	\$737	\$663	\$74
(23) Randall Steere Farm Asset. No. 46998			\$0.000	1,000	\$0	\$0	\$0
(24) Johnston Solar Asset No. 47357	38868	0.440	\$3.800	1,000	\$1,672	\$1,505	\$167
(25) North Kingstown Solar 1720 Davisville Rd.- Asset No. 47487	38881	0.197	\$3.800	1,000	\$749	\$674	\$75
(26) Wilco 260 South County Trail - Asset No. 48664	38884	0.444	\$3.800	1,000	\$1,687	\$1,518	\$169
(27) Foster Solar - Asset No. 48774	38883	0.427	\$3.800	1,000	\$1,623	\$1,460	\$163
(28) Brookside Equestrian Center No. 48899	38885	0.432	\$3.800	1,000	\$1,642	\$1,477	\$165
(29) Deepwater Wind Asset No. 38495	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	40632	0.552	\$3.800	1,000	\$2,098	\$1,888	\$210
(32) Copenhagen Wind Farm			\$0.000	1,000	\$0	\$0	\$0
(33) Woods Hill Solar Asset No. 49370	41516		\$0.000	1,000	\$0	\$0	\$0
(34) Hope Farm Solar Asset No. 49029			\$0.000	1,000	\$0	\$0	\$0
(35) Sanford Airport Solar Asset No. 68737	38825		\$0.000	1,000	\$0	\$0	\$0
(36) Cassadaga Wind			\$0.000	1,000	\$0	\$0	\$0
(37) Farmington Solar Asset No. 69786			\$0.000	1,000	\$0	\$0	\$0
(38) Quinebaug Solar			\$0.000	1,000	\$0	\$0	\$0
(39) Total					\$28,856	\$25,969	\$2,887

- (a) MW's bid
(b) Forward Capacity Auction 13 Price or Estimated Monthly Reconfiguration Auction (MRA) Price
(c) Multiplication by 1000 to result in kW
(d) Estimated Net Forward Capacity Market Proceeds for the month of June
(e) Column (d) x .90
(f) Column (d) x .10 or Column (d) - Column (e)

**Forward Capacity Market
Estimated Proceeds and Administrative Costs
For the Period January 2022 through June 2022**

(1) Estimated new projects being bid into the FCM	0
(2) Estimated existing projects being bid into the FCM	20
(3) Estimated Qualification hours per new project	20
(4) Estimated Annual Monitoring Labor Hours per project	15
(5) Estimated total hours for January 2022 - June 2022	150
(6) Estimated Unburdened Average Hourly Rate	\$43.27
(7) Estimated Burden Rate	70.15%
(8) Estimated Burdened Average Hourly Rate	\$73.62
(9) Estimated Direct Labor administrative costs for the FCM	\$11,043
(10) Estimated Contractor Expense = FCM Assistance	\$4,974
(11) Estimated Total Administrative costs for the FCM	\$16,017
(1) Company Estimate	
(2) Company Estimate	
(3) Company Estimate	
(4) Company Estimate	
(5) [Line (1) + Line (2)] x Line (4) ÷ 2 + [Line (1) x Line (3)]	
(6) Estimated hourly rate based on salary of \$90,000	
(7) Per Company records (excludes Pension and PBOP)	
(8) Line (6) + [Line (6) x Line (7)]	
(9) Line (5) x Line (8)	
(10) Estimated expense for the period January 2022 through June 2022	
(11) Line (9) + Line (10)	

**THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
R.I.P.U.C. DOCKET NO. 5201
LONG-TERM CONTRACTING FOR
RENEWABLE ENERGY RECOVERY FACTOR FILING**

Attachment 2

Bill Impacts

The Narragansett Electric Company
Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to A-16 Rate Customers

Monthly kWh	Rates Effective October 1, 2021				Proposed Rates Effective January 1, 2022				Increase (Decrease) % of Total Bill				Percentage of Customers (f)				
	Delivery Services (b)	Supply Services (c)	GET (d)	Total (e) = (a) + (b) + (c)	Delivery Services (f)	Supply Services (g)	GET (h)	Total (i) = (f) + (g) + (h)	Delivery Services (j) = (f) - (b)	Supply Services (k) = (g) - (c)	GET (l) = (h) - (d)	Total (m) = (j) + (k) + (l)		GET (p) = (l) / (e)	Total (q) = (m) / (e)		
150	\$26.34	\$16.32	\$1.78	\$44.44	\$25.76	\$16.32	\$1.75	\$43.83	(\$0.58)	\$0.00	(\$0.03)	(\$0.61)	-1.3%	0.0%	-0.1%	-1.4%	30.1%
300	\$43.42	\$32.65	\$3.17	\$79.24	\$42.25	\$32.65	\$3.12	\$78.02	(\$1.17)	\$0.00	(\$0.05)	(\$1.22)	-1.5%	0.0%	-0.1%	-1.5%	12.9%
400	\$54.81	\$43.53	\$4.10	\$102.44	\$53.25	\$43.53	\$4.03	\$100.81	(\$1.56)	\$0.00	(\$0.07)	(\$1.63)	-1.5%	0.0%	-0.1%	-1.6%	11.6%
500	\$66.20	\$54.41	\$5.03	\$125.64	\$64.25	\$54.41	\$4.94	\$123.60	(\$1.95)	\$0.00	(\$0.09)	(\$2.04)	-1.6%	0.0%	-0.1%	-1.6%	9.6%
600	\$77.58	\$65.29	\$5.95	\$148.82	\$75.24	\$65.29	\$5.86	\$146.39	(\$2.34)	\$0.00	(\$0.09)	(\$2.43)	-1.6%	0.0%	-0.1%	-1.6%	7.7%
700	\$88.97	\$76.17	\$6.88	\$172.02	\$86.24	\$76.17	\$6.77	\$169.18	(\$2.73)	\$0.00	(\$0.11)	(\$2.84)	-1.6%	0.0%	-0.1%	-1.7%	19.0%
1,200	\$145.90	\$130.58	\$11.52	\$288.00	\$141.22	\$130.58	\$11.33	\$283.13	(\$4.68)	\$0.00	(\$0.19)	(\$4.87)	-1.6%	0.0%	-0.1%	-1.7%	6.8%
2,000	\$237.00	\$217.64	\$18.94	\$473.58	\$229.20	\$217.64	\$18.62	\$465.46	(\$7.80)	\$0.00	(\$0.32)	(\$8.12)	-1.6%	0.0%	-0.1%	-1.7%	2.3%

Rates Effective October 1, 2021 (s)

Proposed Rates Effective January 1, 2022 (t)

Line Item on Bill	Amount	Category
(1) Distribution Customer Charge	\$6.00	(s)
(2) LIHEAP Enhancement Charge	\$0.80	(t)
(3) Renewable Energy Growth Program Charge	\$2.46	
(4) Distribution Charge (per kWh)	\$0.04580	
(5) Operating & Maintenance Expense Charge	\$0.00204	
(6) Operating & Maintenance Expense Reconciliation Factor	(\$0.00010)	
(7) CapEx Factor Charge	\$0.00544	
(8) CapEx Reconciliation Factor	(\$0.00069)	
(9) Revenue Decoupling Adjustment Factor	(\$0.00042)	
(10) Pension Adjustment Factor	(\$0.00006)	
(11) Storm Fund Replenishment Factor	\$0.00288	
(12) Arraenge Management Adjustment Factor	\$0.00006	
(13) Performance Incentive Factor	\$0.00008	
(14) Low Income Discount Recovery Factor	\$0.00196	
(15) Long-term Contracting for Renewable Energy Charge	\$0.00680	
(16) Net Metering Charge	\$0.00436	
(17) Base Transmission Charge	\$0.03454	
(18) Transmission Adjustment Factor	\$0.00074	
(19) Transmission Uncollectible Factor	\$0.00046	
(20) Base Transition Charge	(\$0.00149)	
(21) Transition Adjustment	\$0.00004	
(22) Energy Efficiency Programs Charge	\$0.01143	
(23) Last Resort Service Base Charge	\$0.10491	
(24) LRS Adjustment Factor	(\$0.00512)	
(25) LRS Administrative Cost Adjustment Factor	\$0.00238	
(26) Renewable Energy Standard Charge	\$0.00665	

Line Item on Bill

(27) Customer Charge	\$6.00	
(28) LIHEAP Enhancement Charge	\$0.80	
(29) RE Growth Program	\$2.46	
(30) Transmission Charge	\$0.03574	
(31) Distribution Energy Charge	\$0.05699	
(32) Transition Charge	(\$0.00145)	
(33) Energy Efficiency Programs	\$0.01143	
(34) Renewable Energy Distribution Charge	\$0.01116	
(35) Supply Services Energy Charge	\$0.00726	
	\$0.10882	

Column (s): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 10/1/2021, and Summary of Rates Last Resort Service tariff, R.I.P.U.C. No. 2096, effective 10/1/2021
Column (t): Line (15) per Attachment 1, Page 1, Line (10). All other rates per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 10/1/2021, and Summary of Rates Last Resort Service tariff, R.I.P.U.C. No. 2096, effective 10/1/2021

The Narragansett Electric Company
Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to A-60 Rate Customers

Monthly kWh	Rates Effective October 1, 2021				Proposed Rates Effective January 1, 2022				\$ Increase (Decrease)				Increase (Decrease) % of Total Bill		Percentage of Customers			
	Delivery Services (b)	Supply Services (c)	Low Income Discount (d) = (b)+(c) x .25	Total Discounted (e) = (b)+(c)+(d)	Delivery Services (h)	Supply Services (i)	Low Income Discount (j) = (h)+(i) x .25	Total Discounted (k) = (h)+(i)+(j)	Delivery Services (m) = (h)+(i)+(j)	Supply Services (n)	Low Income Discount (o) = (m)+(n) x .25	Total Discounted (p) = (m)+(n)+(o)	Delivery Services (r) = (m)+(n)+(o)	Supply Services (s) = (r)+(t) x .25		Total Discounted (t) = (r)+(s)+(t)	GET (u) = (p)-(q)	GET (v) = (s)-(u)
150	\$26.05	\$16.32	(\$10.59)	\$31.78	\$25.46	\$16.32	(\$10.45)	\$31.33	(\$0.45)	\$0.45	(\$0.45)	\$0.00	(\$0.45)	\$0.00	(\$0.45)	0.0%	0.0%	-1.4%
300	\$42.83	\$32.65	(\$18.87)	\$56.61	\$41.66	\$32.65	(\$18.58)	\$55.73	(\$0.88)	\$0.88	(\$0.88)	\$0.00	(\$0.88)	\$0.00	(\$0.88)	0.0%	0.0%	-1.6%
400	\$54.02	\$43.53	(\$24.39)	\$73.16	\$52.46	\$43.53	(\$24.00)	\$71.99	(\$1.47)	\$1.47	(\$1.47)	\$0.00	(\$1.47)	\$0.00	(\$1.47)	0.0%	0.0%	-1.6%
500	\$65.22	\$54.41	(\$29.91)	\$89.72	\$63.27	\$54.41	(\$29.42)	\$88.26	(\$1.56)	\$1.56	(\$1.56)	\$0.00	(\$1.56)	\$0.00	(\$1.56)	0.0%	0.0%	-1.6%
600	\$76.41	\$65.29	(\$35.43)	\$106.27	\$74.07	\$65.29	(\$34.84)	\$104.52	(\$1.75)	\$1.75	(\$1.75)	\$0.00	(\$1.75)	\$0.00	(\$1.75)	0.0%	0.0%	-1.6%
700	\$87.60	\$76.17	(\$40.94)	\$122.83	\$84.87	\$76.17	(\$40.26)	\$120.78	(\$2.09)	\$2.09	(\$2.09)	\$0.00	(\$2.09)	\$0.00	(\$2.09)	0.0%	0.0%	-1.7%
1,000	\$143.55	\$130.58	(\$68.53)	\$205.60	\$138.87	\$130.58	(\$67.36)	\$202.09	(\$3.51)	\$3.51	(\$3.51)	\$0.00	(\$3.51)	\$0.00	(\$3.51)	0.0%	0.0%	-1.7%
2,000	\$233.08	\$217.64	(\$112.68)	\$338.04	\$225.28	\$217.64	(\$110.73)	\$332.19	(\$5.85)	\$5.85	(\$5.85)	\$0.00	(\$5.85)	\$0.00	(\$5.85)	0.0%	0.0%	-1.7%

Rates Effective October 1, 2021

(w)	(x)
(1) Distribution Customer Charge	\$6.00
(2) LIHEAP Enhancement Charge	\$0.80
(3) Renewable Energy Growth Program Charge	\$2.46
(4) Distribution Charge (per kWh)	\$0.04580
(5) Operating & Maintenance Expense Charge	\$0.00204
(6) Operating & Maintenance Expense Reconciliation Factor	(\$0.00010)
(7) CapEx Factor Charge	\$0.00544
(8) CapEx Reconciliation Factor	(\$0.00069)
(9) Revenue Decoupling Adjustment Factor	(\$0.00042)
(10) Pension Adjustment Factor	(\$0.00066)
(11) Storm Fund Replenishment Factor	\$0.00288
(12) Arrangement Management Adjustment Factor	\$0.00006
(13) Performance Incentive Factor	\$0.00008
(14) Low Income Discount Recovery Factor	\$0.00000
(15) Long-term Contracting for Renewable Energy Charge	\$0.00680
(16) Net Metering Charge	\$0.00436
(17) Base Transmission Charge	\$0.03454
(18) Transmission Adjustment Factor	\$0.00074
(19) Transmission Uncollectible Factor	\$0.00046
(20) Base Transition Charge	(\$0.00149)
(21) Transition Adjustment	\$0.00004
(22) Energy Efficiency Program Charge	\$0.01143
(23) Last Resort Service Base Charge	\$0.00491
(24) LBS Adjustment Factor	(\$0.00512)
(25) LBS Administrative Cost Adjustment Factor	\$0.00238
(26) Renewable Energy Standard Charge	\$0.00665

Proposed Rates Effective January 1, 2022

(y)	(z)
(7) Customer Charge	\$6.00
(28) LIHEAP Enhancement Charge	\$0.80
(29) RE Growth Program	\$2.46
(30) Transmission Charge	\$0.03574
(31) Distribution Energy Charge	\$0.05503
(32) Transition Charge	(\$0.00145)
(33) Energy Efficiency Programs	\$0.01143
(34) Renewable Energy Distribution Charge	\$0.01116
(35) Supply Services Energy Charge	\$0.10882
(36) Discount percentage	25%

Line Item on Bill	Customer Charge	LIHEAP Enhancement Charge	RE Growth Program	Distribution Energy Charge	Renewable Energy Distribution Charge	Transmission Charge	Transition Charge	Energy Efficiency Programs	Supply Services Energy Charge
(w)	\$6.00	\$0.80	\$2.46						
(x)	\$6.00	\$0.80	\$2.46						
(y)	\$6.00	\$0.80	\$2.46						
(z)	\$6.00	\$0.80	\$2.46						
(aa)	\$6.00	\$0.80	\$2.46						
(ab)	\$6.00	\$0.80	\$2.46						
(ac)	\$6.00	\$0.80	\$2.46						
(ad)	\$6.00	\$0.80	\$2.46						
(ae)	\$6.00	\$0.80	\$2.46						
(af)	\$6.00	\$0.80	\$2.46						
(ag)	\$6.00	\$0.80	\$2.46						
(ah)	\$6.00	\$0.80	\$2.46						
(ai)	\$6.00	\$0.80	\$2.46						
(aj)	\$6.00	\$0.80	\$2.46						
(ak)	\$6.00	\$0.80	\$2.46						
(al)	\$6.00	\$0.80	\$2.46						
(am)	\$6.00	\$0.80	\$2.46						
(an)	\$6.00	\$0.80	\$2.46						
(ao)	\$6.00	\$0.80	\$2.46						
(ap)	\$6.00	\$0.80	\$2.46						
(aq)	\$6.00	\$0.80	\$2.46						
(ar)	\$6.00	\$0.80	\$2.46						
(as)	\$6.00	\$0.80	\$2.46						
(at)	\$6.00	\$0.80	\$2.46						
(au)	\$6.00	\$0.80	\$2.46						
(av)	\$6.00	\$0.80	\$2.46						
(aw)	\$6.00	\$0.80	\$2.46						
(ax)	\$6.00	\$0.80	\$2.46						
(ay)	\$6.00	\$0.80	\$2.46						
(az)	\$6.00	\$0.80	\$2.46						
(ba)	\$6.00	\$0.80	\$2.46						
(bb)	\$6.00	\$0.80	\$2.46						
(bc)	\$6.00	\$0.80	\$2.46						
(bd)	\$6.00	\$0.80	\$2.46						
(be)	\$6.00	\$0.80	\$2.46						
(bf)	\$6.00	\$0.80	\$2.46						
(bg)	\$6.00	\$0.80	\$2.46						
(bh)	\$6.00	\$0.80	\$2.46						
(bi)	\$6.00	\$0.80	\$2.46						
(bj)	\$6.00	\$0.80	\$2.46						
(bk)	\$6.00	\$0.80	\$2.46						
(bl)	\$6.00	\$0.80	\$2.46						
(bm)	\$6.00	\$0.80	\$2.46						
(bn)	\$6.00	\$0.80	\$2.46						
(bo)	\$6.00	\$0.80	\$2.46						
(bp)	\$6.00	\$0.80	\$2.46						
(bq)	\$6.00	\$0.80	\$2.46						
(br)	\$6.00	\$0.80	\$2.46						
(bs)	\$6.00	\$0.80	\$2.46						
(bt)	\$6.00	\$0.80	\$2.46						
(bu)	\$6.00	\$0.80	\$2.46						
(bv)	\$6.00	\$0.80	\$2.46						
(bw)	\$6.00	\$0.80	\$2.46						
(bx)	\$6.00	\$0.80	\$2.46						
(by)	\$6.00	\$0.80	\$2.46						
(bz)	\$6.00	\$0.80	\$2.46						
(ca)	\$6.00	\$0.80	\$2.46						
(cb)	\$6.00	\$0.80	\$2.46						
(cc)	\$6.00	\$0.80	\$2.46						
(cd)	\$6.00	\$0.80	\$2.46						
(ce)	\$6.00	\$0.80	\$2.46						
(cf)	\$6.00	\$0.80	\$2.46						
(cf)	\$6.00	\$0.80	\$2.46						

Column (w) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 10/1/2021, and Summary of Rates Last Resort Service tariff, R.I.P.U.C. No. 2096, effective 10/1/2021
Column (x) per Attachment 1, Page 1, Line (10), All other rates per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 10/1/2021, and Summary of Rates Last Resort Service tariff, R.I.P.U.C. No. 2096, effective 10/1/2021

The Narragansett Electric Company
Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to A-60 Rate Customers

Monthly kWh	Rates Effective October 1, 2021				Proposed Rates Effective January 1, 2022				\$ Increase (Decrease)				Increase (Decrease) % of Total Bill				Percentage of Customers
	Delivery Services (a)	Supply Services (c)	Low Income Discount (d) = (b)(c) x .30	Total (e) = (b) + (c) + (d)	Delivery Services (b)	Supply Services (i)	Low Income Discount (j) = (h)(i) x .30	Total (k) = (b) + (i) + (j)	Delivery Services (m) = (l)(b)-(l)(i)-(l)(j)+4(d)	Supply Services (o) = (i)-(c)	Low Income Discount (p) = (j)-(d)-(j)	Total (q) = (m) + (o) + (p)	Delivery Services (r) = (m)/(q)	Supply Services (s) = (o)/(q)	Low Income Discount (t) = (p)/(q)	Total (u) = (r)/(q)	
150	\$26.05	\$16.32	(\$12.71)	\$29.66	\$25.46	\$16.32	(\$12.53)	\$29.25	(\$0.41)	\$0.00	(\$0.02)	(\$0.43)	-1.3%	0.0%	-0.1%	-1.4%	32.1%
300	\$42.83	\$32.65	(\$22.64)	\$52.84	\$41.66	\$32.65	(\$22.29)	\$52.02	(\$0.82)	\$0.00	(\$0.03)	(\$0.85)	-1.5%	0.0%	-0.1%	-1.5%	15.4%
400	\$54.02	\$43.53	(\$29.27)	\$68.28	\$52.46	\$43.53	(\$28.80)	\$67.19	(\$1.09)	\$0.00	(\$0.05)	(\$1.14)	-1.5%	0.0%	-0.1%	-1.6%	12.5%
500	\$65.22	\$54.41	(\$35.89)	\$83.74	\$63.27	\$54.41	(\$35.30)	\$82.38	(\$1.36)	\$0.00	(\$0.06)	(\$1.42)	-1.6%	0.0%	-0.1%	-1.6%	9.6%
600	\$76.41	\$65.29	(\$42.51)	\$99.19	\$74.07	\$65.29	(\$41.81)	\$97.55	(\$1.64)	\$0.00	(\$0.07)	(\$1.71)	-1.6%	0.0%	-0.1%	-1.7%	7.2%
700	\$87.60	\$76.17	(\$49.13)	\$114.64	\$84.87	\$76.17	(\$48.31)	\$112.73	(\$1.91)	\$0.00	(\$0.08)	(\$1.99)	-1.6%	0.0%	-0.1%	-1.7%	16.4%
1,200	\$143.55	\$130.58	(\$82.24)	\$191.89	\$138.87	\$130.58	(\$80.84)	\$188.61	(\$3.28)	\$0.00	(\$0.14)	(\$3.42)	-1.6%	0.0%	-0.1%	-1.7%	5.2%
2,000	\$233.08	\$217.64	(\$135.22)	\$315.50	\$225.28	\$217.64	(\$122.88)	\$310.04	(\$5.46)	\$0.00	(\$0.23)	(\$5.69)	-1.7%	0.0%	-0.1%	-1.7%	1.6%

Rates Effective October 1, 2021

	(w)
(1) Distribution Customer Charge	\$6.00
(2) LIHEAP Enhancement Charge	\$0.80
(3) Renewable Energy Growth Program Charge	\$2.46

Proposed Rates Effective January 1, 2022

	(v)
(1) Distribution Customer Charge	\$6.00
(2) LIHEAP Enhancement Charge	\$0.80
(3) Renewable Energy Growth Program Charge	\$2.46
(4) Distribution Charge (per kWh)	\$0.04580
(5) Operating & Maintenance Expense Charge	\$0.00204
(6) Operating & Maintenance Expense Reconciliation Factor	(\$0.00010)
(7) CapEx Factor Charge	\$0.00544
(8) CapEx Reconciliation Factor	(\$0.00069)
(9) Revenue Decoupling Adjustment Factor	(\$0.00042)
(10) Pension Adjustment Factor	(\$0.00066)
(11) Storm Fund Replenishment Factor	\$0.00288
(12) Arrangement Management Adjustment Factor	\$0.00006
(13) Performance Incentive Factor	\$0.00008
(14) Low Income Discount Recovery Factor	\$0.00000
(15) Long-term Contracting for Renewable Energy Charge	\$0.00680
(16) Net Metering Charge	\$0.00436
(17) Base Transmission Charge	\$0.03454
(18) Transmission Adjustment Factor	\$0.00074
(19) Transmission Uncollectible Factor	\$0.00046
(20) Base Transition Charge	(\$0.00149)
(21) Transition Adjustment	\$0.00004
(22) Energy Efficiency Program Charge	\$0.01143
(23) Last Resort Service Base Charge	\$0.00491
(24) LBS Adjustment Factor	(\$0.00512)
(25) LBS Administrative Cost Adjustment Factor	\$0.00238
(26) Renewable Energy Standard Charge	\$0.00665

	(w)
(27) Customer Charge	\$6.00
(28) LIHEAP Enhancement Charge	\$0.80
(29) RE Growth Program	\$2.46
(30) Transmission Charge	\$0.03574
(31) Distribution Energy Charge	\$0.05503
(32) Transition Charge	(\$0.00145)
(33) Energy Efficiency Programs	\$0.01143
(34) Renewable Energy Distribution Charge	\$0.01116
(35) Supply Services Energy Charge	\$0.10882
(36) Discount percentage	30%

	(v)
Customer Charge	\$6.00
LIHEAP Enhancement Charge	\$0.80
RE Growth Program	\$2.46
Distribution Energy Charge	\$0.03574
Renewable Energy Distribution Charge	\$0.00436
Transmission Charge	\$0.00074
Transition Charge	(\$0.00149)
Energy Efficiency Programs	\$0.01143
Supply Services Energy Charge	\$0.10882
Discount percentage	30%

Column (w) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 10/1/2021, and Summary of Rates Last Resort Service tariff, R.I.P.U.C. No. 2096, effective 10/1/2021
Column (v) per Attachment 1, Page 1, Line (10), All other rates per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 10/1/2021, and Summary of Rates Last Resort Service tariff, R.I.P.U.C. No. 2096, effective 10/1/2021

The Narragansett Electric Company
Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to C-06 Rate Customers

Monthly kWh	Rates Effective October 1, 2021				Proposed Rates Effective January 1, 2022				\$ Increase (Decrease)				Increase (Decrease) % of Total Bill		Percentage of Customers (f)		
	Delivery Services (b)	Supply Services (c)	GET (d)	Total (a) = (b) + (c) + (d)	Delivery Services (f)	Supply Services (g)	GET (h)	Total (e) = (f) + (g) + (h)	Delivery Services (m) = (f) / (e)	Supply Services (o) = (k) / (e)	GET (p) = (j) / (e)	Total (q) = (m) / (e)	Total (r) = (n) / (e)				
250	\$42.17	\$25.44	\$2.82	\$70.43	\$41.20	\$25.44	\$2.78	\$69.42	(\$0.97)	\$0.00	(\$0.04)	(\$1.01)	-1.4%	0.0%	-0.1%	-1.4%	5.6.3%
500	\$69.76	\$50.87	\$5.03	\$125.66	\$67.81	\$50.87	\$4.95	\$123.63	(\$1.95)	\$0.00	(\$0.08)	(\$2.03)	-1.6%	0.0%	-0.1%	-1.6%	16.9%
1,000	\$124.94	\$101.74	\$9.45	\$236.13	\$121.04	\$101.74	\$9.28	\$232.06	(\$3.90)	\$0.00	(\$0.17)	(\$4.07)	-1.7%	0.0%	-0.1%	-1.7%	8.1%
1,500	\$180.12	\$152.61	\$13.86	\$346.59	\$174.27	\$152.61	\$13.62	\$340.50	(\$5.85)	\$0.00	(\$0.24)	(\$6.09)	-1.7%	0.0%	-0.1%	-1.8%	5.0%
2,000	\$235.30	\$203.48	\$18.28	\$457.06	\$227.50	\$203.48	\$17.96	\$448.94	(\$7.80)	\$0.00	(\$0.32)	(\$8.12)	-1.7%	0.0%	-0.1%	-1.8%	13.6%

Rates Effective October 1, 2021 (s)

Proposed Rates Effective January 1, 2022 (t)

Line Item on Bill

(1) Distribution Customer Charge	\$10.00	\$10.00																
(2) LIHEAP Enhancement Charge	\$0.80	\$0.80																
(3) Renewable Energy Growth Program Charge	\$3.78	\$3.78																
(4) Distribution Charge (per kWh)	\$0.0482	\$0.0482																
(5) Operating & Maintenance Expense Charge	\$0.00201	\$0.00201																
(6) Operating & Maintenance Expense Reconciliation Factor	(\$0.00010)	(\$0.00010)																
(7) CapEx Factor Charge	\$0.00456	\$0.00456																
(8) CapEx Reconciliation Factor	\$0.00013	\$0.00013																
(9) Revenue Decoupling Adjustment Factor	(\$0.00042)	(\$0.00042)																
(10) Pension Adjustment Factor	(\$0.00006)	(\$0.00006)																
(11) Storm Fund Replenishment Factor	\$0.00288	\$0.00288																
(12) Arrerange Management Adjustment Factor	\$0.00006	\$0.00006																
(13) Performance Incentive Factor	\$0.00008	\$0.00008																
(14) Low Income Discount Recovery Factor	\$0.00196	\$0.00196																
(15) Long-term Contracting for Renewable Energy Charge	\$0.00680	\$0.00680																
(16) Net Metering Charge	\$0.00456	\$0.00456																
(17) Base Transmission Charge	\$0.03470	\$0.03470																
(18) Transmission Adjustment Factor	(\$0.00179)	(\$0.00179)																
(19) Transmission Uncollectible Factor	\$0.00039	\$0.00039																
(20) Base Transition Charge	(\$0.00149)	(\$0.00149)																
(21) Transition Adjustment	\$0.01143	\$0.01143																
(22) Energy Efficiency Program Charge	\$0.00004	\$0.00004																
(23) Last Resort Service Base Charge	\$0.08730	\$0.08730																
(24) LRS Adjustment Factor	\$0.00568	\$0.00568																
(25) LRS Administrative Cost Adjustment Factor	\$0.00211	\$0.00211																
(26) Renewable Energy Standard Charge	\$0.00665	\$0.00665																

Line Item on Bill

(27) Customer Charge	\$10.00	\$10.00																
(28) LIHEAP Enhancement Charge	\$0.80	\$0.80																
(29) RE Growth Program	\$3.78	\$3.78																
(30) Transmission Charge	\$0.03330	\$0.03330																
(31) Distribution Energy Charge	\$0.06592	\$0.06592																
(32) Transition Charge	(\$0.00145)	(\$0.00145)																
(33) Energy Efficiency Programs	\$0.01143	\$0.01143																
(34) Renewable Energy Distribution Charge	\$0.01116	\$0.01116																
(35) Supply Services Energy Charge	\$0.10174	\$0.10174																

Column (s): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 10/1/2021, and Summary of Rates Last Resort Service tariff, R.I.P.U.C. No. 2096, effective 10/1/2021
Column (t): Line (15) per Attachment 1, Page 1, Line (10). All other rates per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 10/1/2021, and Summary of Rates Last Resort Service tariff, R.I.P.U.C. No. 2096, effective 10/1/2021

The Narragansett Electric Company
Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates-Applicable to G-02 Rate Customers

KW	Monthly Power Hours Use	Rates Effective October 1, 2021			Proposed Rates Effective January 1, 2022			\$ Increase (Decrease)			Increase (Decrease) % of Total Bill							
		Delivery Services (b)	Supply Services (c)	GET (d)	Total (e) = (b) + (c) + (d)	Delivery Services (f)	Supply Services (g)	GET (h)	Total (i) = (f) + (g) + (h)	Delivery Services (j) = (f) - (b)	Supply Services (k) = (g) - (c)	GET (l) = (h) - (d)	Total (m) = (j) + (k) + (l)	Delivery Services (n) = (j) / (b)	Supply Services (o) = (k) / (c)	GET (p) = (l) / (d)	Total (q) = (m) / (e)	
20	200	\$536.70	\$406.96	\$39.32	\$982.98	\$521.10	\$406.96	\$38.67	\$966.73	(\$15.60)	\$0.00	(\$0.65)	(\$16.25)	-1.6%	0.0%	0.0%	-0.1%	-1.7%
50	200	\$1,190.64	\$1,017.40	\$92.00	\$2,300.04	\$1,151.64	\$1,017.40	\$90.38	\$2,259.42	(\$39.00)	\$0.00	(\$1.62)	(\$40.62)	-1.7%	0.0%	0.0%	-0.1%	-1.8%
100	200	\$2,280.54	\$2,034.80	\$179.81	\$4,495.15	\$2,202.54	\$2,034.80	\$176.56	\$4,413.90	(\$78.00)	\$0.00	(\$3.25)	(\$81.25)	-1.7%	0.0%	0.0%	-0.1%	-1.8%
150	200	\$3,370.44	\$3,052.20	\$267.61	\$6,690.25	\$3,233.44	\$3,052.20	\$262.74	\$6,568.38	(\$117.00)	\$0.00	(\$4.87)	(\$121.87)	-1.7%	0.0%	0.0%	-0.1%	-1.8%
20	300	\$625.58	\$610.44	\$51.50	\$1,287.52	\$602.18	\$610.44	\$50.53	\$1,263.15	(\$23.40)	\$0.00	(\$0.97)	(\$24.37)	-1.8%	0.0%	0.0%	-0.1%	-1.9%
50	300	\$1,412.84	\$1,256.10	\$122.46	\$2,791.40	\$1,354.34	\$1,256.10	\$120.02	\$2,730.46	(\$58.50)	\$0.00	(\$2.44)	(\$60.94)	-1.9%	0.0%	0.0%	-0.1%	-2.0%
100	300	\$2,724.94	\$3,052.20	\$240.71	\$6,017.85	\$2,607.94	\$3,052.20	\$235.84	\$5,895.98	(\$117.00)	\$0.00	(\$4.87)	(\$121.87)	-1.9%	0.0%	0.0%	-0.1%	-2.0%
150	300	\$4,037.04	\$4,378.30	\$358.97	\$8,774.31	\$3,861.54	\$4,378.30	\$351.66	\$8,791.50	(\$175.50)	\$0.00	(\$7.31)	(\$182.81)	-2.0%	0.0%	0.0%	-0.1%	-2.0%
20	400	\$714.46	\$813.92	\$63.68	\$1,592.06	\$683.26	\$813.92	\$62.38	\$1,559.56	(\$31.20)	\$0.00	(\$1.30)	(\$32.50)	-2.0%	0.0%	0.0%	-0.1%	-2.0%
50	400	\$1,635.04	\$2,034.80	\$152.91	\$3,822.75	\$1,557.04	\$2,034.80	\$149.66	\$3,741.50	(\$78.00)	\$0.00	(\$3.25)	(\$81.25)	-2.0%	0.0%	0.0%	-0.1%	-2.1%
100	400	\$3,169.34	\$4,069.60	\$301.62	\$7,540.56	\$3,013.34	\$4,069.60	\$295.12	\$7,378.06	(\$156.00)	\$0.00	(\$6.50)	(\$162.50)	-2.1%	0.0%	0.0%	-0.1%	-2.2%
150	400	\$4,703.64	\$6,104.40	\$450.34	\$11,258.38	\$4,469.64	\$6,104.40	\$440.59	\$11,014.63	(\$234.00)	\$0.00	(\$9.75)	(\$243.75)	-2.1%	0.0%	0.0%	-0.1%	-2.2%
20	500	\$803.34	\$1,017.40	\$75.86	\$1,896.60	\$764.34	\$1,017.40	\$74.24	\$1,855.98	(\$39.00)	\$0.00	(\$1.62)	(\$40.62)	-2.1%	0.0%	0.0%	-0.1%	-2.2%
50	500	\$1,857.24	\$2,433.50	\$183.36	\$4,584.10	\$1,759.74	\$2,433.50	\$179.30	\$4,482.54	(\$97.50)	\$0.00	(\$4.06)	(\$101.56)	-2.1%	0.0%	0.0%	-0.1%	-2.2%
100	500	\$3,613.74	\$5,087.00	\$362.53	\$9,063.27	\$3,418.74	\$5,087.00	\$354.41	\$8,860.15	(\$195.00)	\$0.00	(\$8.12)	(\$203.12)	-2.2%	0.0%	0.0%	-0.1%	-2.2%
150	500	\$5,370.24	\$7,630.50	\$541.70	\$13,542.44	\$5,077.74	\$7,630.50	\$529.51	\$13,237.75	(\$292.50)	\$0.00	(\$12.19)	(\$304.69)	-2.2%	0.0%	0.0%	-0.1%	-2.2%
20	600	\$892.22	\$1,220.88	\$88.05	\$2,201.15	\$845.42	\$1,220.88	\$86.10	\$2,152.40	(\$46.80)	\$0.00	(\$1.95)	(\$48.75)	-2.1%	0.0%	0.0%	-0.1%	-2.2%
50	600	\$2,079.44	\$3,052.20	\$213.82	\$5,345.46	\$1,962.44	\$3,052.20	\$208.94	\$5,223.58	(\$117.00)	\$0.00	(\$4.88)	(\$121.88)	-2.2%	0.0%	0.0%	-0.1%	-2.3%
100	600	\$4,038.14	\$6,104.40	\$423.44	\$10,585.98	\$3,824.14	\$6,104.40	\$413.69	\$10,342.23	(\$234.00)	\$0.00	(\$9.75)	(\$243.75)	-2.2%	0.0%	0.0%	-0.1%	-2.3%
150	600	\$6,036.84	\$9,156.60	\$633.06	\$15,826.50	\$5,685.84	\$9,156.60	\$618.44	\$15,460.88	(\$351.00)	\$0.00	(\$14.62)	(\$365.62)	-2.2%	0.0%	0.0%	-0.1%	-2.3%

Line-Item on Bill

Proposed Rates Effective January 1, 2022

Rates Effective October 1, 2021

Line Item on Bill	Proposed Rates Effective January 1, 2022 (s)	Rates Effective October 1, 2021 (t)
(1) Distribution Customer Charge	\$145.00	\$145.00
(2) LIHEAP Enhancement Charge	\$0.80	\$0.80
(3) Renewable Energy Growth Program Charge	\$38.34	\$38.34
(4) Base Distribution Demand Charge (per kW > 10kW)	\$6.90	\$6.90
(5) CapEx Factor Demand Charge (per kW > 10kW)	\$1.44	\$1.44
(6) Distribution Charges (per kWh)	\$0.0476	\$0.0476
(7) Operating & Maintenance Expense Charge	\$0.0078	\$0.0078
(8) Operating & Maintenance Expense Reconciliation Factor	(\$0.0010)	(\$0.0010)
(9) CapEx Reconciliation Factor	(\$0.0012)	(\$0.0012)
(10) Revenue Decoupling Adjustment Factor	(\$0.0042)	(\$0.0042)
(11) Pension Adjustment Factor	(\$0.0006)	(\$0.0006)
(12) Storm Fund Replenishment Factor	\$0.00288	\$0.00288
(13) Airspace Management Adjustment Factor	\$0.00006	\$0.00006
(14) Performance Incentive Factor	\$0.00008	\$0.00008
(15) Low Income Discount Recovery Factor	\$0.00196	\$0.00196
(16) Long-term Contracting for Renewable Energy Charge	\$0.00290	\$0.00290
(17) Net Metering Charge	\$0.00436	\$0.00436
(18) Transmission Demand Charge	\$4.57	\$4.57
(19) Base Transmission Charge	\$0.01401	\$0.01401
(20) Transmission Adjustment Factor	(\$0.00192)	(\$0.00192)
(21) Transmission Uncollectible Factor	\$0.00039	\$0.00039
(22) Base Transmission Charge	(\$0.00149)	(\$0.00149)
(23) Transition Adjustment	\$0.00004	\$0.00004
(24) Energy Efficiency Program Charge	\$0.01143	\$0.01143
(25) Last Resort Service Base Charge	\$0.08730	\$0.08730
(26) IRS Adjustment Factor	\$0.00568	\$0.00568
(27) IRS Administrative Cost Adjustment Factor	\$0.00211	\$0.00211
(28) Renewable Energy Standard Charge	\$0.00665	\$0.00665
(29) Customer Charge	\$145.00	\$145.00
(30) LIHEAP Enhancement Charge	\$0.80	\$0.80
(31) RE Growth Program	\$38.34	\$38.34
(32) Transmission Adjustment	\$0.01248	\$0.01248
(33) Distribution Energy Charge	\$0.01082	\$0.01082
(34) Distribution Demand Charge	\$8.34	\$8.34
(35) Transmission Demand Charge	\$4.57	\$4.57
(36) Energy Efficiency Programs	(\$0.00145)	(\$0.00145)
(37) Renewable Energy Distribution Charge	\$0.01143	\$0.01143
(38) Supply Services Energy Charge	\$0.10174	\$0.10174
(39) Customer Charge	\$145.00	\$145.00
(40) LIHEAP Enhancement Charge	\$0.80	\$0.80
(41) RE Growth Program	\$38.34	\$38.34
(42) Transmission Adjustment	\$0.01248	\$0.01248
(43) Distribution Energy Charge	\$0.01082	\$0.01082
(44) Distribution Demand Charge	\$8.34	\$8.34
(45) Transmission Demand Charge	\$4.57	\$4.57
(46) Energy Efficiency Programs	(\$0.00145)	(\$0.00145)
(47) Renewable Energy Distribution Charge	\$0.01143	\$0.01143
(48) Supply Services Energy Charge	\$0.10174	\$0.10174

Column (s) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 10/1/2021, and Summary of Rates Last Resort Service tariff, R.I.P.U.C. No. 2096, effective 10/1/2021
Column (t) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 10/1/2021, and Summary of Rates Last Resort Service tariff, R.I.P.U.C. No. 2096, effective 10/1/2021
Column (q) per Attachment 1, Page 1, Line (f). All other rates per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 10/1/2021, and Summary of Rates Last Resort Service tariff, R.I.P.U.C. No. 2096, effective 10/1/2021

