

February 27, 2020

BY HAND DELIVERY AND ELECTRONIC MAIL

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

RE: Docket 4935- 2020 Renewable Energy Standard (RES) Charge and Reconciliation

Dear Ms. Massaro:

On behalf of National Grid,¹ I have enclosed ten copies of the Company's proposed 2020 RES Charge and RES reconciliation pursuant to R.I. Gen. Laws § 39-26-1 *et seq.* and the Rhode Island Public Utilities Commission's (PUC) Rules and Regulations Governing the Implementation of a Renewable Energy Standard, 810-RICR-40-05-2. This filing includes three attachments, which provide the calculation of the proposed RES Charge for 2020, the RES reconciliation for the compliance period ending December 31, 2019, and the typical bill impacts of the proposed RES Charge. Each attachment is described in more detail below. The Company is proposing to implement a RES Charge of \$0.00866 per kWh for usage on and after April 1, 2020. If the PUC approves the RES Charge, the bill impact for a residential customer who receives Standard Offer Service and uses 500 kWh a month is an increase of \$4.18, or 3.5 percent. A summary of the enclosed filing is included below.

Attachment 1:

Attachment 1 shows the calculation of the proposed RES Charge for 2020. The Company proposes that the charge take effect for the period April 1, 2020 through March 31, 2021. The RES Charge is designed: (1) to recover from customers the estimated costs associated with the 2020 RES compliance year; (2) to recover from customers the estimated under-recovery of costs for the 2019 RES compliance year; and (3) to recover from customers the final under-recovery of costs to prior RES compliance years through 2018. The estimated under-recovery of costs for the 2019 RES compliance year is based on a reconciliation of actual RES revenue and expense for 2019, an estimate of remaining RES expense to satisfy the 2019 compliance year, and an estimate of remaining revenue to be billed through the current RES Charge, which is effective through March 31, 2020.

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

The expected cost of Renewable Energy Certificates (RECs) that will be procured for the 2019 and 2020 obligation years is based on the most recently available environmental broker quotes. The remaining revenue is based on the Company's forecast of Standard Offer Service kWh and the RES Charge that is currently in effect.

Attachment 1, Page 2 shows the calculation of the proposed RES adder of \$0.00260 per kWh for the under-recovery of costs related to the 2019 and prior compliance years. This adder is carried forward to line (9) of Page 1 of Attachment 1 and when added to the proposed RES factor for compliance year 2020 of \$0.00606 per kWh on line (8) results in the total proposed RES Charge of \$0.00866 per kWh.

Attachment 2:

Attachment 2, Page 1 shows the reconciliation of the 2019 RES compliance year. The reconciliation reflects actual RES revenue and expense through January 2020. The Company will continue to incur costs for the 2019 compliance year through June 15, 2020 since the trading period for the 2019 compliance year does not end until this date. The Company estimates that the remaining 2019 compliance year expense is approximately \$1.6 million. The Company has included this cost in the reconciliation. The Company has also forecasted the expected RES revenue for the remainder of the effective date of the current RES Charge (March 31, 2020), which results in an estimated under-recovery of \$9.9 million (including interest) for the 2019 RES compliance year. This estimated under-recovery resulted from the difference between the projected Average Compliance Year 2019 New Renewable Energy Resource REC Cost² included in the calculation of the 2019 RES Charge and the REC costs the Company expects to incur during the 2019 RES compliance year.³ This estimated under-recovery is then brought forward onto Attachment 1, Page 2, line (1) and used as part of the calculation of the RES adder.

The reconciliations in Attachment 2 include the value of RECs associated with long-term contracts between the Company and renewable generators pursuant to the Long-Term Contracting Standards for Renewable Energy, R.I. Gen. Laws § 39-26.1-1 et seq. and the Distributed Generation Standard Contracts Act, R.I. Gen. Laws § 39-26.2-1 et seq. The reconciliations also include expense associated with RECs obtained from renewable generators through the Renewable Energy Growth (RE Growth) Program. These expenses are shown on Pages 1 through 3 of Attachment 2 in column (d).

Attachment 2, Page 2 shows the final reconciliation of the 2018 RES compliance year. This reconciliation was shown in the 2019 RES filing in Docket 4809 Attachment 2, Page 1, with estimated revenue for February and March 2019 and estimated remaining 2018 RES compliance year expenses. This estimated revenue has been replaced with the actual revenue for February and March 2019 and actual 2018 RES compliance expenses, resulting in an actual ending balance with interest of \$4.0 million versus the original estimate of \$4.6 million.

² See Docket No. 4809, Attachment 1, Line (1). \$13.35.

³ $(\$32.59 - \$13.35) \times 520,778$ (estimated required RECs) = \$10 million.

Attachment 2, Page 3 shows the reconciliation of RES expense through the 2017 RES compliance year. This reconciliation was also shown in the 2019 RES filing in Docket 4809 Attachment 2, Page 2, with estimated revenue for February and March 2019 which has also now been replaced with the actual revenue for February and March 2019. This results in an actual ending balance with interest of \$129,000 versus the original estimate of \$94,000.

Attachment 2, Page 4 shows the reconciliation of the 2017 (and prior) and 2018 RES approved in Docket 4809. The beginning balance of \$4.1 million is the combination of the ending balances on Pages 2 and 3 for the 2018 RES compliance year and 2017 and prior RES compliance years. Actual revenue through January 2020 are included with estimated revenue for February and March 2020. The current estimated under-recovery for all RES obligations through the 2018 compliance year is approximately \$651,000. This amount is shown on Attachment 1, Page 2, line (2) and is used to calculate the 2020 RES adder.

Page 5 of Attachment 2 provides the segregation of billed RES revenue for the period April 2018 through March 2020, including a forecast of revenue for February 2020 and March 2020. The revenue is split between the revenue associated with the credit to customers of the over-recovery of prior period costs and base revenue applicable to the recovery of RES cost associated with 2019 RES compliance year.

Attachment 3:

Attachment 3 contains the typical bill impacts for each of the Company's rate classes. The proposed RES Charge of \$0.00866 per kWh results in a \$4.18 or 3.5% increase for a residential customer on Standard Offer Service using 500 kWh per month.

Finally, pursuant to the Rhode Island Public Utilities Commission's (PUC) written Order No. 23252 in Docket Nos. 4805 and 4692, I have enclosed a flash drive, which includes the underlying workpapers in support of the Company's 2020 RES Charge and Reconciliation filing. The flash drive includes two Excel files which include the underlying calculations upon which the calculations in the Company's 2020 RES Charge and Reconciliation are based and the impact of the proposed 2020 RES Charge on customers' bills. In Order No. 23252, the PUC directed the Company to "submit all Excel schedules, underlying work papers, including hard-coded data, in support of the Renewable Energy Standard Charge and Reconciliation Filing to the PUC and Division in electronic form, with all formulas intact, at the same time it makes its filing with the PUC." Order No. 2352 at p. 11. The Company has also shared the enclosed files with the Division. One of the enclosed files (4935-Confidential_NECO_RES_2020) contains confidential information, including confidential transactions, prices, quantities, and bidder information.

Accordingly, the Company respectfully requests confidential treatment of the enclosed file pursuant to Rule 1.3(H) of the PUC's Rules of Practice and Procedure (810-RICR-00-00-1) and R.I. Gen. Laws § 38-2-1 *et. seq.*

Luly E. Massaro, Commission Clerk
Docket 4935 – Annual RES Charge & Reconciliation
February 27, 2020
Page 4 of 4

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 4935 Service List
John Bell, Division
Christy Hetherington

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

February 27, 2020
Date

**Docket No. 4935 - National Grid – 2020 Standard Offer Service (SOS) and 2020 Renewable Energy Standard (RES) Procurement Plans
Service List updated 2/27/2020**

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**Narragansett Electric Company
Renewable Energy Standard Charge**

Section 1: Calculation of New Renewable Energy Resource Charge

(1)	Average Compliance Year 2020 New Renewable Energy Resource REC Cost	\$40.08
(2)	2020 RES New Renewable Energy Resource Obligation	14.0%
(3)	Incremental Cost - \$/MWh	\$5.61

Section 2: Calculation of Existing Renewable Energy Resource Charge

(4)	Average Compliance Year 2020 Existing Renewable Energy Resource REC Cost	\$1.23
(5)	2020 RES Existing Renewable Energy Resource Obligation	2.0%
(6)	Incremental Cost - \$/MWh	\$0.02

Section 3: Calculation of Renewable Energy Standard Charge

(7)	New and Existing Incremental Charge for 2020 Compliance Year, \$/MWh	\$5.63
(8)	RES Adder for 2020 Compliance Year - \$/kWh	\$0.00606
(9)	RES Adder for Estimated Under Recovery through 2019 Compliance Year	\$0.00260
(10)	Proposed RES Charge Effective April 1, 2020	\$0.00866

- (1) Estimated Cost of New Renewable Energy Resource RECs based on market information
- (2) Section 4.2 of the RES Regulations
- (3) Line (1) times Line (2)
- (4) Estimated Cost of Existing Renewable Energy Resource RECs based on market information
- (5) Section 4.2 of the RES Regulations
- (6) Line (4) times Line (5)
- (7) Line (3) plus Line (6)
- (8) Line (7) times 1.0777 (average RI loss factor for 12 months ending November 2019) divided by 1000 to convert from \$/MWh to \$/kWh, truncated to 5 decimal places.
- (9) from Page 2
- (10) Line (8) + Line (9)

**RENEWABLE ENERGY STANDARD RECONCILIATION
For the Compliance Period through December 31, 2018**

(1) Estimated (Under) Recovery of Expense incurred for Compliance Year 2019	(\$9,960,684)
(2) Estimated (Under) Recovery of Expense through Compliance Year 2018	(\$650,785)
(3) Total Estimated (Under) Recovery through Compliance Year 2019	(\$10,611,469)
(4) forecasted SOS kWhs for the period April 1, 2020 through March 31, 2021	4,079,869,319
(5) RES Adder for Estimated (Under) Recovery through 2020 Compliance Year	\$0.00260

- (1) Attachment 2, Page 1, Line (16)
- (2) Attachment 2, Page 4, Line (16)
- (3) Line (1) + Line (2)
- (4) per company forecast
- (5) Line (3) ÷ Line (4), truncated to five decimal places

RENEWABLE ENERGY STANDARD RECONCILIATION
For the Compliance Period January 1, 2019 through December 31, 2019

Compliance Period: January 1, 2019 through December 31, 2019

Recovery Period: April 1, 2019 through March 31, 2020

		<u>Month</u>	<u>Beginning Balance</u> (a)	<u>RES Revenue</u> (b)	<u>RES Expense</u> (c)	<u>Market Value of Long-Term Contract / RE Growth RECs</u> (d)	<u>Monthly Over(Under)</u> (e)	<u>Ending Balance</u> (f)
(1)	Actual	Apr-19	\$0	\$208,454	\$0	\$0	\$208,454	\$208,454
(2)	Actual	May-19	\$208,454	\$490,072	\$0	\$0	\$490,072	\$698,527
(3)	Actual	Jun-19	\$698,527	\$520,226	\$0	\$0	\$520,226	\$1,218,752
(4)	Actual	Jul-19	\$1,218,752	\$694,107	\$0	\$4,475,467	(\$3,781,360)	(\$2,562,607)
(5)	Actual	Aug-19	(\$2,562,607)	\$854,581	\$0	\$0	\$854,581	(\$1,708,026)
(6)	Actual	Sep-19	(\$1,708,026)	\$671,015	\$0	\$0	\$671,015	(\$1,037,012)
(7)	Actual	Oct-19	(\$1,037,012)	\$505,113	\$20,659	\$7,539,761	(\$7,055,307)	(\$8,092,318)
(8)	Actual	Nov-19	(\$8,092,318)	\$472,157	\$0	\$0	\$472,157	(\$7,620,161)
(9)	Actual	Dec-19	(\$7,620,161)	\$575,302	\$43,000	\$0	\$532,302	(\$7,087,859)
(10)	Actual	Jan-20	(\$7,087,859)	\$670,031	\$14,869	\$3,314,458	(\$2,659,295)	(\$9,747,155)
(11)	Estimate	Feb-20	(\$9,747,155)	\$645,815	\$0	\$0	\$645,815	(\$9,101,339)
(12)	Estimate	Mar-20	(\$9,101,339)	\$612,725	\$0	\$0	\$612,725	(\$8,488,614)
(13)	Estimate	Apr-20	(\$8,488,614)	\$345,590	\$34,197	\$1,643,719	(\$1,332,326)	(\$9,820,940)
(14)		Totals	\$0	\$7,265,190	\$112,724	\$16,973,405	(\$9,820,940)	(\$9,820,940)
(15)		Interest						<u>(\$139,744)</u>
(16)		Ending Balance with Interest						(\$9,960,684)

(a) Beginning Balance \$0; Column (f) from previous month

(b) Page 5, Column (e)

(c) Purchase of RECs per company invoices

(d) Transfer of RECs per Long-term Contracting for Renewable Energy Recovery Provision and RI RE Growth Program for 2019 Compliance Period

(e) Column (b) - Column (c) - Column (d)

(f) Column (a) + Column (e)

(14) Sum of Lines (1) through (13)

(15) $[(\text{Beginning Balance} + \text{Ending Balance}) \div 2] \times [((2.91\% \times 11/12) + (2.14\% \times 1/12))]$

(16) Line (14) + Line (15)

RENEWABLE ENERGY STANDARD RECONCILIATION
For the Compliance Period January 1, 2018 through December 31, 2018

Compliance Period: January 1, 2018 through December 31, 2018

Recovery Period: April 1, 2018 through March 31, 2019

		<u>Month</u>	<u>Beginning Balance</u> (a)	<u>RES Revenue</u> (b)	<u>RES Expense</u> (c)	<u>Market Value of Long-Term Contract/RE Growth REC</u> (d)	<u>Monthly Over(Under)</u> (e)	<u>Ending Balance</u> (f)
(1)	Actual	Apr-18	\$0	\$299,528	\$0	\$0	\$299,528	\$299,528
(2)	Actual	May-18	\$299,528	\$544,493	\$0	\$0	\$544,493	\$844,021
(3)	Actual	Jun-18	\$844,021	\$555,720	\$0	\$0	\$555,720	\$1,399,741
(4)	Actual	Jul-18	\$1,399,741	\$761,915	\$77,500	\$1,055,041	(\$370,626)	\$1,029,115
(5)	Actual	Aug-18	\$1,029,115	\$827,535	\$62,050	\$0	\$765,485	\$1,794,600
(6)	Actual	Sep-18	\$1,794,600	\$847,375	\$0	\$0	\$847,375	\$2,641,975
(7)	Actual	Oct-18	\$2,641,975	\$580,310	\$0	\$447,979	\$132,331	\$2,774,306
(8)	Actual	Nov-18	\$2,774,306	\$543,067	\$0	\$0	\$543,067	\$3,317,373
(9)	Actual	Dec-18	\$3,317,373	\$628,043	\$0	\$0	\$628,043	\$3,945,416
(10)	Actual	Jan-19	\$3,945,416	\$682,695	\$0	\$685,811	(\$3,116)	\$3,942,300
(11)	Actual	Feb-19	\$3,942,300	\$627,621	\$0	\$0	\$627,621	\$4,569,921
(12)	Actual	Mar-19	\$4,569,921	\$571,864	\$0	\$0	\$571,864	\$5,141,785
(13)	Actual	Apr-19	\$5,141,785	\$323,076	\$0	\$972,108	(\$649,032)	\$4,492,753
(14)	Actual	May-19	\$4,492,753		\$146,082	\$0	(\$146,082)	\$4,346,671
(15)	Actual	Jun-19	\$4,346,671		\$429,634	\$0	(\$429,634)	\$3,917,037
(16)		Totals	\$0	\$7,793,242	\$715,266	\$3,160,939	\$3,917,037	\$3,917,037
(17)		Interest						<u>\$47,253</u>
(18)		Ending Balance with Interest						\$3,964,290
(19)		Estimated Ending Balance with Interest						\$4,580,937
(20)		Adjustment to Estimate						(\$616,647)
(a)	Beginning Balance \$0; Column (f) from previous month							
(b)	Page 5, Column (e)							
(c)	Purchase of RECs per company invoices							
(d)	Transfer of RECs per Long-term Contracting for Renewable Energy Recovery Provision and RI RE Growth Program							
(e)	Column (b) - Column (c) - Column (d)							
(f)	Column (a) + Column (e)							
(16)	Sum of lines (1) through (15)							
(17)	[(Beginning Balance + Ending Balance) ÷ 2] x [(2.33% x 11/15)+(2.91% x 4/15)]							
(19)	RIPUC Docket 4809, Attachment 1, Page 2, Line (1)							
(20)	Line (18) - Line (19)							

RENEWABLE ENERGY STANDARD RECONCILIATION
For the Compliance Period through December 31, 2017

Compliance Period: through December 31, 2017
Recovery Period: through March 31, 2019

		<u>Month</u>	Over(Under) Beginning Balance (a)	RES Revenue (b)	RES Expenses (c)	Market Value of Long-Term Contract / RE Growth RECs (d)	Monthly Over(Under) (e)	Over(Under) Ending Monthly Balance (f)
(1)	Actual	Jan-18	\$9,155,164	\$76,187	\$62,040	\$1,253,264	(\$1,239,117)	\$7,916,047
(2)	Actual	Feb-18	\$7,916,047	\$131,832			\$131,832	\$8,047,879
(3)	Actual	Mar-18	\$8,047,879	\$119,677			\$119,677	\$8,167,556
(4)	Actual	Apr-18	\$8,167,556	(\$222,986)		\$527,352	(\$750,338)	\$7,417,218
(5)	Actual	May-18	\$7,417,218	(\$530,756)	\$61,759		(\$592,515)	\$6,824,703
(6)	Actual	Jun-18	\$6,824,703	(\$542,847)			(\$542,847)	\$6,281,856
(7)	Actual	Jul-18	\$6,281,856	(\$746,016)			(\$746,016)	\$5,535,840
(8)	Actual	Aug-18	\$5,535,840	(\$815,396)			(\$815,396)	\$4,720,444
(9)	Actual	Sep-18	\$4,720,444	(\$825,867)			(\$825,867)	\$3,894,577
(10)	Actual	Oct-18	\$3,894,577	(\$567,423)			(\$567,423)	\$3,327,154
(11)	Actual	Nov-18	\$3,327,154	(\$531,256)			(\$531,256)	\$2,795,898
(12)	Actual	Dec-18	\$2,795,898	(\$615,069)			(\$615,069)	\$2,180,829
(13)	Actual	Jan-19	\$2,180,829	(\$668,413)			(\$668,413)	\$1,512,416
(14)	Actual	Feb-19	\$1,512,416	(\$614,137)			(\$614,137)	\$898,279
(15)	Actual	Mar-19	\$898,279	(\$558,378)			(\$558,378)	\$339,901
(16)	Actual	Apr-19	\$339,901	(\$316,275)			(\$316,275)	\$23,626
(17)	Totals		\$9,155,164	(\$7,227,123)	\$123,799	\$1,780,616	(\$9,131,538)	\$23,626
(18)	Interest							<u>\$105,709</u>
(19)	Ending Balance with Interest							\$129,335
(20)	Estimated Ending Balance with Interest							\$93,917
(21)	Adjustment to Estimate							\$35,418
(a)	Beginning Balance: Per Attachment 2, Page 1, RIPUC Docket No. 4692 filed February 2018 Column (f) from previous month							
(b)	Lines (1) through (3): per Company revenue reports Lines (4) through (16): Page (5), Column (d)							
(c)	Purchase of RECs per company invoices							
(d)	Transfer of RECs per Long-term Contracting for Renewable Energy Recovery Provision and RI RE Growth Program							
(e)	Column (b) - Column (c) - Column (d)							
(f)	Column (a) + Column (e)							
(1)(b)	prorated for kWh delivered on or after January 1, 2018							
(16)(b)	prorated for kWh delivered prior to April 1, 2019							
(17)	Sum of Lines (1) through (16)							
(18)	[(Beginning Balance + Ending Balance) ÷ 2] x [(1.84% x 2/15) + (2.33% x 12/15 + (2.91% x 1/15)]							
(19)	Line (17) + line (18)							
(20)	RIPUC Docket 4809, Attachment 1, Page 2, Line (2)							
(21)	Line (19) - Line (20)							

RENEWABLE ENERGY STANDARD RECONCILIATION
For the Compliance Period through December 31, 2018

Prior Period: through December 31, 2018
Recovery Period: through March 31, 2020

		<u>Month</u>	Beginning Over Recovery <u>Balance</u> (a)	RES Revenue <u>Credit</u> (b)	Ending <u>Balance</u> (c)
(1)	Actual	Apr-19	\$4,093,625	(\$144,041)	\$3,949,584
(2)	Actual	May-19	\$3,949,584	(\$321,679)	\$3,627,905
(3)	Actual	Jun-19	\$3,627,905	(\$343,953)	\$3,283,952
(4)	Actual	Jul-19	\$3,283,952	(\$458,014)	\$2,825,938
(5)	Actual	Aug-19	\$2,825,938	(\$563,907)	\$2,262,031
(6)	Actual	Sep-19	\$2,262,031	(\$442,517)	\$1,819,514
(7)	Actual	Oct-19	\$1,819,514	(\$333,594)	\$1,485,920
(8)	Actual	Nov-19	\$1,485,920	(\$311,620)	\$1,174,300
(9)	Actual	Dec-19	\$1,174,300	(\$380,026)	\$794,275
(10)	Actual	Jan-20	\$794,275	(\$441,472)	\$352,803
(11)	Estimate	Feb-20	\$352,803	(\$423,485)	(\$70,683)
(12)	Estimate	Mar-20	(\$70,683)	(\$401,787)	(\$472,470)
(13)	Estimate	Apr-20	(\$472,470)	(\$226,616)	(\$699,086)
(14)	Totals			(\$4,792,711)	(\$699,086)
(15)	Interest				<u>\$48,301</u>
(16)	Ending Balance with Interest				(\$650,785)
(a)	Beginning Balance: Page 2, Line (18) + Page 3, Line (19) or Page 2, Lines (19) + (20) + Page 3, Lines (20) + (21)				
(b)	Per Page (5), Column (d)				
(c)	Column (a) + Column (b)				
(1)(a)	Page 2, Line (18) + Page 3, Line (19)				
(1)(b)	prorated for kWh delivered on or after April 1, 2019				
(13)(b)	prorated for estimated kWh delivered prior to April 1, 2020				
(14)	Sum of Lines (1) through (13)				
(15)	[(Beginning Balance + Ending Balance) ÷ 2] x [(2.91% x 11/12)+(2.14% x 1/12)]				
(16)	Line (14) + Line (15)				

RENEWABLE ENERGY STANDARD RECONCILIATION
For the Recovery Period April 1, 2018 through March 31, 2020

			Total RES	RES	RES PY	RES	RES
		<u>Month</u>	<u>Revenue</u>	<u>kWh</u>	<u>Reconciliation</u>	<u>Prior Year</u>	<u>Base</u>
			(a)	(b)	(c)	(d)	(e)
(1)	Actual	Apr-18	\$76,543	119,884,778	(\$0.00186)	(\$222,986)	\$299,528
(2)	Actual	May-18	\$13,737	285,352,949	(\$0.00186)	(\$530,756)	\$544,493
(3)	Actual	Jun-18	\$12,874	291,853,089	(\$0.00186)	(\$542,847)	\$555,720
(4)	Actual	Jul-18	\$15,899	401,084,091	(\$0.00186)	(\$746,016)	\$761,915
(5)	Actual	Aug-18	\$12,139	438,384,906	(\$0.00186)	(\$815,396)	\$827,535
(6)	Actual	Sep-18	\$21,508	444,014,531	(\$0.00186)	(\$825,867)	\$847,375
(7)	Actual	Oct-18	\$12,887	305,065,882	(\$0.00186)	(\$567,423)	\$580,310
(8)	Actual	Nov-18	\$11,811	285,621,717	(\$0.00186)	(\$531,256)	\$543,067
(9)	Actual	Dec-18	\$12,973	330,682,411	(\$0.00186)	(\$615,069)	\$628,043
(10)	Actual	Jan-19	\$14,282	359,361,872	(\$0.00186)	(\$668,413)	\$682,695
(11)	Actual	Feb-19	\$13,484	330,181,187	(\$0.00186)	(\$614,137)	\$627,621
(12)	Actual	Mar-19	\$13,486	300,202,996	(\$0.00186)	(\$558,378)	\$571,864
(13)	Actual	Apr-19	\$6,802	170,040,101	(\$0.00186)	(\$316,275)	\$323,076
(14)	Actual	Apr-19	\$64,414	120,033,839	(\$0.00120)	(\$144,041)	\$208,454
(15)	Actual	May-19	\$168,393	268,066,128	(\$0.00120)	(\$321,679)	\$490,072
(16)	Actual	Jun-19	\$176,273	286,627,325	(\$0.00120)	(\$343,953)	\$520,226
(17)	Actual	Jul-19	\$236,094	381,678,208	(\$0.00120)	(\$458,014)	\$694,107
(18)	Actual	Aug-19	\$290,673	469,922,825	(\$0.00120)	(\$563,907)	\$854,581
(19)	Actual	Sep-19	\$228,498	368,764,240	(\$0.00120)	(\$442,517)	\$671,015
(20)	Actual	Oct-19	\$171,520	277,994,711	(\$0.00120)	(\$333,594)	\$505,113
(21)	Actual	Nov-19	\$160,537	259,683,199	(\$0.00120)	(\$311,620)	\$472,157
(22)	Actual	Dec-19	\$195,276	316,688,119	(\$0.00120)	(\$380,026)	\$575,302
(23)	Actual	Jan-20	\$228,559	367,893,473	(\$0.00120)	(\$441,472)	\$670,031
(24)	Estimate	Feb-20	\$222,330	352,904,211	(\$0.00120)	(\$423,485)	\$645,815
(25)	Estimate	Mar-20	\$210,938	334,822,816	(\$0.00120)	(\$401,787)	\$612,725
(26)	Estimate	Apr-20	\$118,974	188,847,079	(\$0.00120)	(\$226,616)	\$345,590

- (1) Prorated for kWh delivered on or after April 1, 2018
- (13) Prorated for kWh delivered prior to April 1, 2019
- (14) Prorated for kWh delivered on or after April 1, 2019
- (26) Prorated for estimated kWh delivered prior to April 1, 2020
 - (a) from Company revenue reports
 - (b) from Company revenue reports
 - (c) Line (1) through (13) Per Docket 4692, Attachment 1, Page 1, Line (9)
 - (c) Line (14) through (26) Per Docket 4809, Attachment 1, Page 1, Line (9)
 - (d) Column (b) x Column (c)
 - (e) Column (a) - Column (d)

Reconciliation of RES Revenue and Expense by Obligation Year

Revenue:	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
Mo/Yr	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
Jan	\$228,559	\$14,282	\$154,862	\$976,656	\$1,028,793	\$2,126,217	\$2,579,273	\$1,108,447	(\$136,074)	\$583,729	\$476,115	\$533,823	\$418,748	\$145,504
Feb	\$222,330	\$13,484	\$131,832	\$911,998	\$976,847	\$2,131,781	\$2,357,585	\$1,111,096	(\$131,813)	\$549,382	\$416,742	\$471,983	\$471,914	\$340,767
Mar	\$210,938	\$13,486	\$119,677	\$864,808	\$969,632	\$1,921,071	\$2,244,776	\$999,671	(\$127,370)	\$503,314	\$458,091	\$447,834	\$426,241	\$344,825
Apr	\$118,974	\$71,215	\$76,543	\$567,021	\$882,868	\$1,454,008	\$1,966,480	\$1,330,705	\$278,652	\$270,880	\$489,990	\$408,614	\$461,233	\$308,736
May		\$168,393	\$13,737	\$108,124	\$751,036	\$901,978	\$1,786,721	\$1,815,719	\$844,847	(\$103,510)	\$451,008	\$379,793	\$379,231	\$299,310
Jun		\$176,273	\$12,874	\$116,898	\$907,109	\$979,969	\$1,714,040	\$1,956,383	\$978,011	(\$121,350)	\$492,071	\$381,296	\$429,834	\$329,418
Jul		\$236,094	\$15,899	\$154,277	\$1,084,413	\$1,149,133	\$2,135,167	\$2,694,965	\$1,212,042	(\$154,882)	\$699,844	\$426,518	\$518,499	\$365,457
Aug		\$290,673	\$12,139	\$156,618	\$1,278,938	\$1,331,623	\$2,341,451	\$2,848,432	\$1,370,583	(\$173,635)	\$672,874	\$475,701	\$589,305	\$411,597
Sep		\$228,498	\$21,508	\$138,914	\$1,156,091	\$1,331,902	\$2,140,780	\$2,317,391	\$1,217,118	(\$150,400)	\$604,060	\$492,140	\$559,896	\$387,388
Oct		\$171,520	\$12,887	\$117,545	\$853,161	\$964,957	\$1,767,872	\$1,869,521	\$885,275	(\$126,897)	\$483,425	\$372,774	\$477,984	\$342,470
Nov		\$160,537	\$11,811	\$115,550	\$772,578	\$834,642	\$1,718,918	\$1,856,584	\$867,658	(\$123,672)	\$456,969	\$362,055	\$425,421	\$317,836
Dec		\$195,276	\$12,973	\$119,523	\$861,223	\$1,020,392	\$2,014,268	\$2,214,125	\$1,009,375	(\$125,231)	\$508,502	\$408,890	\$425,044	\$362,807
(1) Total	\$780,801	\$1,739,731	\$596,742	\$4,347,933	\$11,522,688	\$16,147,673	\$24,767,330	\$22,123,038	\$8,268,285	\$827,727	\$6,209,689	\$5,161,420	\$5,483,351	\$3,956,114
(2) Total Expense for Compliance Year	\$0	\$17,086,130	\$3,876,205	\$5,657,950	\$8,968,717	\$13,958,024	\$17,899,440	\$18,964,816	\$12,803,595	\$8,426,724	\$2,096,152	\$5,508,379	\$5,254,430	\$3,940,440
(3) Adjustments			\$8,160										\$8,000	
(4) Over/Under	\$780,801	(\$15,346,398)	(\$3,271,304)	(\$1,310,018)	\$2,553,972	\$2,189,649	\$6,867,891	\$3,158,222	(\$4,535,310)	(\$7,598,996)	\$4,113,537	(\$346,959)	\$236,921	\$15,675
(5) Interest		(\$91,443)	\$152,962	\$194,547	\$255,168	\$326,722	\$253,050	\$105,431	\$99,683	\$153,607	\$142,771	\$89,665	\$143,084	\$55,602
(6) Over/Under w/ Int	\$780,801	(\$15,437,841)	(\$3,118,342)	(\$1,115,471)	\$2,809,140	\$2,516,371	\$7,120,941	\$3,263,653	(\$4,435,627)	(\$7,445,389)	\$4,256,308	(\$257,294)	\$380,005	\$71,277
(7) Balance Ending December 31, 2019														(\$10,611,469)

- (1) Sum of annual calendar year RES revenue billed to customers
- (2) Sum of RES expenses related to obligation year (2019 expense is year-to-date)
- (3) Adjustments: 2008; adjustment of \$8,000 to correct for data entry error. 2018; adjustment of \$8,160 to correct for data entry error
- (4) Line 1 - Line 2 + Line 3
- (5) Interest charged/(credited) to reconciliation
- (6) Line 4 + Line 5
- (7) sum of Line 6, Columns (a) through (k)

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

Monthly kWh (a)	Rates Effective January 1, 2020			Proposed Rates effective April 1, 2020			\$ Increase (Decrease)			Increase (Decrease) % of Total Bill				
	Delivery Services (b)	Supply Services (c)	GET (d)	Delivery Services (f)	Supply Services (g)	GET (h)	Delivery Services (j) = (f) - (b)	Supply Services (k) = (g) - (c)	GET (l) = (h) - (d)	Delivery Services (m) = (j) + (k) + (l)	Supply Services (n) = (g) / (c)	GET (o) = (h) / (d)	Total (p) = (m) / (e)	
150	\$23.65	\$16.44	\$1.67	\$23.65	\$17.64	\$1.72	\$0.00	\$1.20	\$0.05	\$1.25	0.0%	2.9%	0.1%	3.0%
300	\$38.60	\$32.87	\$2.98	\$38.60	\$35.28	\$3.08	\$0.00	\$2.41	\$0.10	\$2.51	0.0%	3.2%	0.1%	3.4%
400	\$48.57	\$43.83	\$3.85	\$48.57	\$47.04	\$3.98	\$0.00	\$3.21	\$0.13	\$3.34	0.0%	3.3%	0.1%	3.5%
500	\$58.54	\$54.79	\$4.72	\$58.54	\$58.80	\$4.89	\$0.00	\$4.01	\$0.17	\$4.18	0.0%	3.4%	0.1%	3.5%
600	\$68.50	\$65.74	\$5.59	\$68.50	\$70.56	\$5.79	\$0.00	\$4.82	\$0.20	\$5.02	0.0%	3.4%	0.1%	3.6%
700	\$78.47	\$76.70	\$6.47	\$78.47	\$82.32	\$6.70	\$0.00	\$5.62	\$0.23	\$5.85	0.0%	3.5%	0.1%	3.6%
1,200	\$128.30	\$131.48	\$10.82	\$128.30	\$141.12	\$11.23	\$0.00	\$9.64	\$0.41	\$10.05	0.0%	3.6%	0.2%	3.7%
2,000	\$208.04	\$219.14	\$17.80	\$208.04	\$235.20	\$18.47	\$0.00	\$16.06	\$0.67	\$16.73	0.0%	3.6%	0.2%	3.8%

Proposed Rates effective April 1, 2020

Rates Effective January 1, 2020

Line Item on Bill	Customer Charge	LIHEAP Enhancement Charge	RE Growth Program	Distribution Energy Charge	Renewable Energy Distribution Charge
(1) Distribution Customer Charge	\$6.00				
(2) LIHEAP Enhancement Charge	\$0.80				
(3) Renewable Energy Growth Program Charge	\$1.90				
(4) Distribution Charge (per kWh)	\$0.0496				
(5) Operating & Maintenance Expense Charge	\$0.00204				
(6) Operating & Maintenance Expense Reconciliation Factor	(\$0.00008)				
(7) CapEx Factor Charge	\$0.00116				
(8) CapEx Reconciliation Factor	(\$0.00071)				
(9) Revenue Decoupling Adjustment Factor	(\$0.00061)				
(10) Pension Adjustment Factor	(\$0.00005)				
(11) Storm Fund Replenishment Factor	\$0.00288				
(12) Average Management Adjustment Factor	\$0.00010				
(13) Low Income Discount Recovery Factor	\$0.00152				
(14) Long-term Contracting for Renewable Energy Charge	\$0.00543				
(15) Net Metering Charge	(\$0.00068)				
(16) Base Transmission Charge	\$0.03034				
(17) Transmission Adjustment Factor	(\$0.00217)				
(18) Transmission Uncollectible Factor	\$0.00037				
(19) Base Transition Charge	(\$0.00093)				
(20) Transition Adjustment	(\$0.00021)				
(21) Energy Efficiency Program Charge	\$0.01353				
(22) Standard Offer Service Base Charge	\$0.10884				
(23) SOS Adjustment Factor	(\$0.00223)				
(24) SOS Administrative Cost Adjustment Factor	\$0.00233				
(25) Renewable Energy Standard Charge	\$0.00063				

Line Item on Bill	Customer Charge	LIHEAP Enhancement Charge	RE Growth Program	Distribution Energy Charge	Renewable Energy Distribution Charge
(26) Customer Charge	\$6.00				
(27) LIHEAP Enhancement Charge	\$0.80				
(28) RE Growth Program	\$1.90				
(29) Transmission Charge	\$0.02854				
(30) Distribution Energy Charge	\$0.05263				
(31) Transition Charge	(\$0.00114)				
(32) Energy Efficiency Programs	\$0.01353				
(33) Renewable Energy Distribution Charge	\$0.00611				
(34) Supply Services Energy Charge	\$0.10957				

Column (s): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 1/1/2020, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 1/1/2020
Column (t): Lines (25) per Attachment 1

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 January 1, 2020				Proposed Rates effective April 1, 2020				\$ Increase (Decrease) % of Total Bill				Percentage of Customers (v)				
	Delivery Services (b)	Supply Services (c)	Low Income Discount (d) = [(b)+(c)] x .25	Total (e) = (b) + (c) + (d)	Delivery Services (h)	Supply Services (i)	Low Income Discount (j) = [(h)+(i)] x .25	Total (k) = (h) + (i) + (j)	Delivery Services (m) = [(b)+(i)] - (h)+(j)	Supply Services (n) = (i) - (c) (o) = (j) - (d)	GET (p) = (l) - (f)	Total (q) = (m) + (o) + (p)		Delivery Services (r) = (m) ÷ [(b)+(i)]	Supply Services (s) = (n) ÷ (c) (t) = (p) ÷ (d)	GET (u) = (q) ÷ (e)	
150	\$21.42	\$16.44	(\$9.47)	\$28.39	\$21.42	\$17.64	(\$9.77)	\$29.29	(\$0.30)	\$1.20	\$0.04	\$0.94	-1.0%	4.1%	0.1%	3.2%	32.1%
300	\$36.15	\$32.87	(\$17.26)	\$51.76	\$36.15	\$35.28	(\$17.86)	\$53.57	(\$0.60)	\$2.41	\$0.07	\$1.88	-1.1%	4.5%	0.1%	3.5%	15.4%
400	\$45.96	\$43.83	(\$22.45)	\$67.34	\$45.96	\$47.04	(\$23.25)	\$69.75	(\$0.80)	\$3.21	\$0.10	\$2.51	-1.1%	4.6%	0.1%	3.6%	12.5%
500	\$55.78	\$54.79	(\$27.64)	\$82.93	\$55.78	\$58.80	(\$28.65)	\$85.93	(\$1.01)	\$4.01	\$0.12	\$3.12	-1.2%	4.6%	0.1%	3.6%	9.6%
600	\$65.59	\$65.74	(\$32.83)	\$98.50	\$65.59	\$70.56	(\$34.04)	\$102.11	(\$1.21)	\$4.82	\$0.15	\$3.76	-1.2%	4.7%	0.1%	3.7%	7.2%
700	\$75.41	\$76.70	(\$38.03)	\$114.08	\$75.41	\$82.32	(\$39.43)	\$118.30	(\$1.40)	\$5.62	\$0.18	\$4.40	-1.2%	4.7%	0.2%	3.7%	16.4%
1,200	\$124.48	\$131.48	(\$63.99)	\$191.97	\$124.48	\$141.12	(\$66.40)	\$199.20	(\$2.41)	\$9.64	\$0.30	\$7.53	-1.2%	4.8%	0.2%	3.8%	5.2%
2,000	\$203.00	\$219.14	(\$105.54)	\$316.60	\$203.00	\$235.20	(\$109.55)	\$328.65	(\$4.01)	\$16.06	\$0.50	\$12.55	-1.2%	4.9%	0.2%	3.8%	1.6%

Rates Effective January 1, 2020

	(w)
(1) Distribution Customer Charge	\$4.00
(2) LIHEAP Enhancement Charge	\$0.80
(3) Renewable Energy Growth Program Charge	\$1.90
(4) Distribution Charge (per kWh)	\$0.04486
(5) Operating & Maintenance Expense Reconciliation Factor	\$0.00204
(6) CapEx Factor Charge	\$0.00116
(7) Revenue Decoupling Adjustment Factor	\$0.00071
(8) Pension Adjustment Factor	(\$0.00061)
(9) Storm Fund Replenishment Factor	(\$0.00065)
(10) Arrears Management Adjustment Factor	\$0.00288
(11) Low Income Discount Recovery Factor	\$0.00010
(12) Long-term Contracting for Renewable Energy Charge	\$0.00543
(13) Net Metering Charge	\$0.00068
(14) Base Transmission Charge	\$0.03034
(15) Transmission Adjustment Factor	(\$0.00217)
(16) Transmission Uncollectible Factor	\$0.00037
(17) Base Transition Charge	(\$0.00093)
(18) Energy Efficiency Program Charge	\$0.01353
(19) Standard Offer Service Base Charge	\$0.16884
(20) S05 Adjustment Factor	(\$0.00223)
(21) S05 Administrative Cost Adjustment Factor	\$0.00233
(22) Renewable Energy Standard Charge	\$0.00063

	(x)
Customer Charge	\$4.00
LIHEAP Enhancement Charge	\$0.80
RE Growth Program	\$1.90
Distribution Energy Charge	\$0.04486
Renewable Energy Distribution Charge	\$0.00543
Transmission Charge	(\$0.00217)
Transition Charge	(\$0.00093)
Energy Efficiency Programs	\$0.01353
Supply Services Energy Charge	\$0.00866
Customer Charge	\$4.00
LIHEAP Enhancement Charge	\$0.80
RE Growth Program	\$1.90
Distribution Energy Charge	\$0.04486
Renewable Energy Distribution Charge	\$0.00543
Transmission Charge	(\$0.00217)
Transition Charge	(\$0.00093)
Energy Efficiency Programs	\$0.01353
Supply Services Energy Charge	\$0.00866
Discount Percentage	25%

Column (w): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2015 effective 1/1/2020, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2016, effective 1/1/2020
Column (x): Line (25) per Attachment 1

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 January 1, 2020				Proposed Rates effective April 1, 2020				Increase (Decrease) % of Total Bill				Percentage of Customers		
	Delivery Services (b)	Supply Services (c)	Low Income Discount (d) = [(b)+(c)] x .30	Total (e) = (b) + (c) + (d)	Delivery Services (h)	Supply Services (i)	Low Income Discount (j) = [(h)+(i)] x .30	Total (k) = (h) + (i) + (j)	Delivery Services (l) = (b)+(h) - (b)+(d)	Supply Services (m) = (c)+(i) - (c)+(d)	GET (n) = (e) - (k) + (l)	Total (o) = (l) + (m) + (n)		GET (p) = (e) - (n) - (l)	Total (q) = (o) + (n) + (p)
150	\$21.42	\$16.44	(\$11.36)	\$26.50	\$21.42	\$17.64	(\$11.72)	\$27.34	(\$0.36)	\$1.14	\$28.48	\$0.88	0.1%	\$0.88	32.1%
300	\$36.15	\$32.87	(\$20.71)	\$48.31	\$36.15	\$35.28	(\$21.43)	\$50.00	(\$0.72)	\$2.08	\$52.08	\$1.76	3.5%	\$1.76	15.4%
400	\$45.96	\$43.83	(\$26.94)	\$62.85	\$45.96	\$47.04	(\$27.90)	\$65.10	(\$0.96)	\$2.71	\$67.81	\$2.34	3.6%	\$2.34	12.5%
500	\$55.78	\$54.79	(\$33.17)	\$77.40	\$55.78	\$58.80	(\$34.37)	\$80.21	(\$1.20)	\$3.34	\$83.55	\$2.92	3.6%	\$2.92	9.6%
600	\$65.59	\$65.74	(\$39.40)	\$91.93	\$65.59	\$70.56	(\$40.85)	\$95.30	(\$1.45)	\$3.97	\$99.27	\$3.51	3.7%	\$3.51	7.2%
700	\$75.41	\$76.70	(\$45.63)	\$106.48	\$75.41	\$82.32	(\$47.32)	\$110.41	(\$1.69)	\$4.60	\$115.01	\$4.09	3.7%	\$4.09	16.4%
1,200	\$124.48	\$131.48	(\$76.79)	\$179.17	\$124.48	\$141.12	(\$79.68)	\$185.92	(\$2.89)	\$7.75	\$193.67	\$7.03	3.8%	\$7.03	5.2%
2,000	\$203.00	\$219.14	(\$126.64)	\$295.50	\$203.00	\$235.20	(\$131.46)	\$306.74	(\$4.82)	\$12.78	\$319.52	\$11.71	3.8%	\$11.71	1.6%

Rates Effective January 1, 2020

	(w)
(1) Distribution Customer Charge	\$4.00
(2) LIHEAP Enhancement Charge	\$0.80
(3) Renewable Energy Growth Program Charge	\$1.90
(4) Distribution Charge (per kWh)	\$0.04456
(5) Operating & Maintenance Expense Reconciliation Factor	\$0.00204
(6) CapEx Factor Charge	\$0.00116
(7) Revenue Decoupling Adjustment Factor	\$0.00071
(8) Pension Adjustment Factor	(\$0.00061)
(9) Storm Fund Replenishment Factor	(\$0.00065)
(10) Arrears Management Adjustment Factor	\$0.00288
(11) Low Income Discount Recovery Factor	\$0.00010
(12) Long-term Contracting for Renewable Energy Charge	\$0.00543
(13) Net Metering Charge	\$0.00068
(14) Base Transmission Charge	\$0.03034
(15) Transmission Adjustment Factor	(\$0.00217)
(16) Transmission Uncollectible Factor	\$0.00037
(17) Base Transition Charge	(\$0.00093)
(18) Energy Efficiency Program Charge	\$0.01353
(19) Standard Offer Service Base Charge	\$0.16884
(20) S05 Adjustment Factor	(\$0.00223)
(21) S05 Administrative Cost Adjustment Factor	\$0.00233
(22) Renewable Energy Standard Charge	\$0.00063

	(w)
(23) Customer Charge	\$4.00
(24) LIHEAP Enhancement Charge	\$0.80
(25) RE Growth Program	\$1.90
(26) Distribution Energy Charge	\$0.02854
(27) Transition Charge	\$0.05111
(28) Energy Efficiency Programs	(\$0.00114)
(29) Renewable Energy Distribution Charge	\$0.01353
(30) Supply Services Energy Charge	\$0.00611
(31) Discount Percentage	30%

Proposed Rates effective April 1, 2020

	(x)
Customer Charge	\$4.00
LIHEAP Enhancement Charge	\$0.80
RE Growth Program	\$1.90
Distribution Energy Charge	\$0.04456
Transition Charge	(\$0.00093)
Energy Efficiency Programs	\$0.01353
Supply Services Energy Charge	\$0.00611
Discount Percentage	30%

Line Item on Bill	(x)
Customer Charge	\$4.00
LIHEAP Enhancement Charge	\$0.80
RE Growth Program	\$1.90
Distribution Energy Charge	\$0.04456
Transition Charge	(\$0.00093)
Energy Efficiency Programs	\$0.01353
Supply Services Energy Charge	\$0.00611
Discount Percentage	30%

Column (w): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 1/1/2020, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 1/1/2020
Column (x): Line (25) per Attachment 1

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

Monthly kWh (a)	Rates Effective January 1, 2020			Proposed Rates effective April 1, 2020			\$ Increase (Decrease)			Increase (Decrease) % of Total Bill		Percentage of Customers (n)					
	Delivery Services (b)	Supply Services (c)	GET (d)	Total (e)	Delivery Services (f)	Supply Services (g)	GET (h)	Total (i)	Delivery Services (j)	Supply Services (k)	GET (l)		Total (m)				
250	\$37.52	\$25.62	\$2.63	\$65.77	\$37.52	\$27.63	\$2.71	\$67.86	\$0.00	\$2.01	\$0.08	\$2.09	0.0%	3.1%	0.1%	3.2%	56.3%
500	\$61.29	\$51.24	\$4.69	\$117.22	\$61.29	\$55.26	\$4.86	\$121.41	\$0.00	\$4.02	\$0.17	\$4.19	0.0%	3.4%	0.1%	3.6%	16.9%
1,000	\$108.82	\$102.48	\$8.80	\$220.10	\$108.82	\$110.51	\$9.14	\$228.47	\$0.00	\$8.03	\$0.34	\$8.37	0.0%	3.6%	0.2%	3.8%	8.1%
1,500	\$156.36	\$153.72	\$12.92	\$323.00	\$156.36	\$165.77	\$13.42	\$335.55	\$0.00	\$12.05	\$0.50	\$12.55	0.0%	3.7%	0.2%	3.9%	5.0%
2,000	\$203.89	\$204.96	\$17.04	\$425.89	\$203.89	\$221.02	\$17.70	\$442.61	\$0.00	\$16.06	\$0.66	\$16.72	0.0%	3.8%	0.2%	3.9%	13.6%

Rates Effective January 1, 2020

Line Item on Bill	Delivery Services (b)	Supply Services (c)	GET (d)	Total (e)
(1) Distribution Customer Charge				(o)
(2) LIHEAP Enhancement Charge				\$10.00
(3) Renewable Energy Growth Program Charge				\$0.80
(4) Distribution Charge (per kWh)				\$2.95
(5) Operating & Maintenance Expense Charge				\$0.0400
(6) Operating & Maintenance Expense Reconciliation Factor				\$0.00209
(7) CapEx Factor Charge				(f)
(8) CapEx Reconciliation Factor				\$0.00101
(9) Revenue Decoupling Adjustment Factor				\$0.00074
(10) Pension Adjustment Factor				(g)
(11) Storm Fund Replenishment Factor				\$0.00061
(12) Arrearage Management Adjustment Factor				(h)
(13) Low Income Discount Recovery Factor				\$0.00005
(14) Long-term Contracting for Renewable Energy Charge				\$0.00288
(15) Net Metering Charge				\$0.00010
(16) Base Transmission Charge				\$0.00152
(17) Transmission Adjustment Factor				\$0.00543
(18) Transmission Uncollectible Factor				\$0.00068
(19) Base Transition Charge				\$0.03047
(20) Transition Adjustment				(i)
(21) Energy Efficiency Program Charge				\$0.00582
(22) Standard Offer Service Base Charge				\$0.00032
(23) SOS Adjustment Factor				\$0.00032
(24) SOS Administrative Cost Adjustment Factor				(j)
(25) Renewable Energy Standard Charge				\$0.00032
(26) Customer Charge				(k)
(27) LIHEAP Enhancement Charge				\$0.00093
(28) RE Growth Program				(l)
(29) Transmission Charge				\$0.00021
(30) Distribution Energy Charge				\$0.01353
(31) Transition Charge				\$0.09814
(32) Energy Efficiency Programs				\$0.00154
(33) Renewable Energy Distribution Charge				\$0.00217
(34) Supply Services Energy Charge				\$0.00063
(35) Supply Services Energy Charge				\$0.00866

Proposed Rates effective April 1, 2020

Line Item on Bill	Delivery Services (f)	Supply Services (g)	GET (h)	Total (i)
Customer Charge				(p)
LIHEAP Enhancement Charge				\$10.00
RE Growth Program				\$0.80
Distribution Energy Charge				\$2.95
Operating & Maintenance Expense Charge				\$0.0400
Operating & Maintenance Expense Reconciliation Factor				\$0.00209
CapEx Factor Charge				(q)
CapEx Reconciliation Factor				\$0.00101
Revenue Decoupling Adjustment Factor				\$0.00074
Pension Adjustment Factor				(r)
Storm Fund Replenishment Factor				\$0.00061
Arrearage Management Adjustment Factor				(s)
Low Income Discount Recovery Factor				\$0.00005
Long-term Contracting for Renewable Energy Charge				\$0.00288
Net Metering Charge				\$0.00010
Base Transmission Charge				\$0.00152
Transmission Adjustment Factor				\$0.00543
Transmission Uncollectible Factor				\$0.00068
Base Transition Charge				\$0.03047
Transition Adjustment				(t)
Energy Efficiency Program Charge				\$0.00582
Standard Offer Service Base Charge				\$0.00032
SOS Adjustment Factor				\$0.00032
SOS Administrative Cost Adjustment Factor				(u)
Renewable Energy Standard Charge				\$0.00032
Customer Charge				(v)
LIHEAP Enhancement Charge				\$10.00
RE Growth Program				\$0.80
Transmission Charge				\$2.95
Distribution Energy Charge				\$0.02497
Transition Energy Charge				\$0.05160
Transition Charge				(w)
Energy Efficiency Programs				\$0.00114
Renewable Energy Distribution Charge				\$0.01353
Supply Services Energy Charge				\$0.00611
Supply Services Energy Charge				\$0.1051

Column (o): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 1/1/2020, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 1/1/2020
Column (p): Line (25) per Attachment 1

The Narragansett Electric Company
Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G/O2 Rate Customers

KW	Monthly Power Hours Use	Rates Effective January 1, 2020				Proposed Rates effective April 1, 2020				\$ Increase (Decrease)				Increase (Decrease) % of Total Bill			
		Delivery Services (b)	Supply Services (c)	GET (d)	Total (e)	Delivery Services (b)	Supply Services (c)	GET (d)	Total (e)	Delivery Services (f)	Supply Services (g)	GET (h)	Total (i)	Delivery Services (j)	Supply Services (k)	GET (l)	Total (m)
20	200	\$475.63	\$409.92	\$56.90	\$922.45	\$475.63	\$442.04	\$38.24	\$955.91	\$0.00	\$32.12	\$1.34	\$33.46	0.0%	3.5%	0.1%	3.6%
50	200	\$1,033.75	\$1,024.80	\$88.77	\$2,147.32	\$1,033.75	\$1,105.10	\$89.12	\$2,227.97	\$0.00	\$80.30	\$3.35	\$83.65	0.0%	3.7%	0.2%	3.9%
100	200	\$1,963.95	\$2,049.60	\$167.23	\$4,180.78	\$1,963.95	\$2,210.20	\$173.92	\$4,148.07	\$0.00	\$160.60	\$6.69	\$167.29	0.0%	3.8%	0.2%	4.0%
150	200	\$2,894.15	\$3,074.40	\$248.69	\$6,217.24	\$2,894.15	\$3,315.30	\$258.73	\$6,468.18	\$0.00	\$240.90	\$10.04	\$250.94	0.0%	3.9%	0.2%	4.0%
20	300	\$547.77	\$614.88	\$484.44	\$1,647.09	\$547.77	\$663.06	\$50.45	\$1,261.28	\$0.00	\$48.18	\$2.01	\$50.19	0.0%	4.0%	0.2%	4.1%
50	300	\$1,214.10	\$1,537.20	\$114.64	\$2,865.94	\$1,214.10	\$1,657.65	\$119.66	\$2,991.41	\$0.00	\$120.45	\$5.02	\$125.47	0.0%	4.2%	0.2%	4.4%
100	300	\$2,324.65	\$3,074.40	\$224.96	\$5,624.01	\$2,324.65	\$3,315.30	\$235.00	\$5,874.95	\$0.00	\$240.90	\$10.04	\$250.94	0.0%	4.3%	0.2%	4.5%
150	300	\$3,435.20	\$4,611.60	\$335.28	\$8,382.08	\$3,435.20	\$4,972.95	\$350.34	\$8,758.49	\$0.00	\$361.35	\$15.06	\$376.41	0.0%	4.3%	0.2%	4.5%
20	400	\$619.91	\$819.84	\$599.99	\$1,939.74	\$619.91	\$884.08	\$62.67	\$1,566.66	\$0.00	\$64.24	\$2.68	\$66.92	0.0%	4.3%	0.2%	4.5%
50	400	\$1,394.45	\$2,049.60	\$143.50	\$3,587.55	\$1,394.45	\$2,210.20	\$150.19	\$3,754.84	\$0.00	\$160.60	\$6.69	\$167.29	0.0%	4.5%	0.2%	4.7%
100	400	\$2,685.35	\$4,099.20	\$282.69	\$7,067.24	\$2,685.35	\$4,420.40	\$296.07	\$7,401.82	\$0.00	\$321.20	\$13.38	\$334.58	0.0%	4.5%	0.2%	4.7%
150	400	\$3,976.25	\$6,148.80	\$421.88	\$10,546.93	\$3,976.25	\$6,630.60	\$441.95	\$11,048.80	\$0.00	\$481.80	\$20.07	\$501.87	0.0%	4.6%	0.2%	4.8%
20	500	\$692.05	\$1,024.80	\$171.54	\$1,788.39	\$692.05	\$1,105.10	\$74.88	\$1,872.03	\$0.00	\$80.30	\$3.34	\$83.64	0.0%	4.5%	0.2%	4.7%
50	500	\$1,574.80	\$2,562.00	\$173.37	\$4,309.17	\$1,574.80	\$2,762.75	\$180.73	\$4,518.28	\$0.00	\$200.75	\$8.36	\$209.11	0.0%	4.7%	0.2%	4.9%
100	500	\$3,046.05	\$5,124.00	\$340.42	\$8,510.47	\$3,046.05	\$5,525.50	\$357.15	\$8,928.70	\$0.00	\$401.50	\$16.73	\$418.23	0.0%	4.7%	0.2%	4.9%
150	500	\$4,517.30	\$7,686.00	\$508.47	\$12,711.77	\$4,517.30	\$8,288.25	\$333.56	\$13,359.11	\$0.00	\$602.25	\$25.09	\$627.34	0.0%	4.7%	0.2%	4.9%
20	600	\$764.19	\$1,229.76	\$83.08	\$2,077.03	\$764.19	\$1,326.12	\$87.10	\$2,177.41	\$0.00	\$96.36	\$4.02	\$100.38	0.0%	4.6%	0.2%	4.8%
50	600	\$1,755.15	\$3,074.40	\$201.23	\$5,030.78	\$1,755.15	\$3,315.30	\$211.27	\$5,281.72	\$0.00	\$240.90	\$10.04	\$250.94	0.0%	4.8%	0.2%	5.0%
100	600	\$3,406.75	\$6,148.80	\$398.15	\$9,953.70	\$3,406.75	\$6,630.60	\$418.22	\$10,455.57	\$0.00	\$481.80	\$20.07	\$501.87	0.0%	4.8%	0.2%	5.0%
150	600	\$5,058.35	\$9,223.20	\$595.06	\$14,876.61	\$5,058.35	\$9,945.90	\$625.18	\$15,629.43	\$0.00	\$722.70	\$30.12	\$752.82	0.0%	4.9%	0.2%	5.1%

Rates Effective January 1, 2020 (o)

Proposed Rates effective April 1, 2020 (p)

Line Item on Bill	Customer Charge	LIHEAP Enhancement Charge	RE Growth Program	Distribution Demand Charge	Distribution Energy Charge	Renewable Energy Distribution Charge	Transmission Demand Charge	Transmission Adjustment	Transition Charge	Energy Efficiency Programs	Supply Services Energy Charge
(1) Distribution Customer Charge	\$145.00										
(2) LIHEAP Enhancement Charge	\$0.80										
(3) Renewable Energy Growth Program Charge	\$27.95										
(4) Base Distribution Demand Charge (per KW > 10KW)	\$675										
(5) CapEx Factor Demand Charge (per KW > 10KW)	\$0.27										
(6) Distribution Charge (per kWh)	\$0.00465										
(7) Operating & Maintenance Expense Charge	\$0.00156										
(8) Operating & Maintenance Expense Reconciliation Factor	(\$0.00008)										
(9) CapEx Reconciliation Factor	\$0.00058										
(10) Revenue Decoupling Adjustment Factor	(\$0.00061)										
(11) Pension Adjustment Factor	(\$0.00005)										
(12) Storm Fund Replenishment Factor	\$0.00288										
(13) Average Management Adjustment Factor	\$0.00010										
(14) Low Income Discount Recovery Factor	\$0.00012										
(15) Long-term Contracting for Renewable Energy Charge	\$0.000543										
(16) Net Metering Charge	\$0.00068										
(17) Transmission Demand Charge	\$4.37										
(18) Base Transmission Charge	\$0.01154										
(19) Transmission Adjustment Factor	(\$0.00481)										
(20) Transmission Uncollectible Factor	\$0.00029										
(21) Base Transition Charge	(\$0.00093)										
(22) Transition Adjustment	(\$0.00021)										
(23) Energy Efficiency Program Charge	\$0.01353										
(24) Standard Offer Service Base Charge	\$0.09814										
(25) SOS Adjustment Factor	\$0.00154										
(26) SOS Administrative Cost Adjustment Factor	\$0.00217										
(27) Renewable Energy Standard Charge	\$0.00063										

Line Item on Bill	Customer Charge	LIHEAP Enhancement Charge	RE Growth Program	Distribution Demand Charge	Distribution Energy Charge	Renewable Energy Distribution Charge	Transmission Demand Charge	Transmission Adjustment	Transition Charge	Energy Efficiency Programs	Supply Services Energy Charge
(28) Customer Charge	\$145.00										
(30) LIHEAP Enhancement Charge	\$0.80										
(29) RE Growth Program	\$27.95										
(31) Transmission Adjustment	\$0.00702										
(32) Distribution Energy Charge	\$0.01065										
(33) Distribution Demand Charge	\$7.02										
(34) Transmission Demand Charge	\$4.37										
(33) Transition Charge	(\$0.00114)										
(34) Energy Efficiency Programs	\$0.01353										
(35) Renewable Energy Distribution Charge	\$0.00611										
(36) Supply Services Energy Charge	\$0.10248										

Column (o): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 1/1/2020, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 1/1/2020
Column (p): Lines (27) per Attachment 1

The Narragansett Electric Company
Calculation of Monthly Typical Bill
Rates Applicable to G-3 Rate Customers

kW	Monthly Power Hours Use	Rates Effective January 1, 2020			Proposed Rates Effective April 1, 2020			\$ Increase (Decrease)			Increase (Decrease) % of Cost/Bill				
		Delivery Services	Supply Services	Total	Delivery Services	Supply Services	Total	Delivery Services	Supply Services	Total	Delivery Services	Supply Services	Total		
200	200	4000000	\$3,706.61	\$4,623.60	\$8,330.21	\$3,706.91	\$4,644.80	\$8,351.71	\$0.00	\$21.20	\$13.39	\$1,254.69	0.0%	3.7%	3.9%
750	200	1500000	\$12,238.41	\$17,338.50	\$29,576.91	\$12,238.41	\$18,453.00	\$30,691.41	\$0.00	\$1,204.50	\$10.19	\$1,214.69	0.0%	3.8%	3.9%
1000	200	2000000	\$17,579.91	\$23,118.00	\$40,697.91	\$17,579.91	\$24,724.00	\$42,303.91	\$0.00	\$1,606.00	\$16.92	\$1,622.92	0.0%	3.8%	4.0%
1500	200	3000000	\$26,235.91	\$34,677.00	\$60,912.91	\$26,235.91	\$37,086.00	\$63,321.91	\$0.00	\$2,450.00	\$24.99	\$2,474.99	0.0%	3.8%	4.0%
2000	200	4000000	\$34,565.91	\$45,795.00	\$80,360.91	\$34,565.91	\$49,806.00	\$84,371.91	\$0.00	\$4,240.00	\$42.99	\$4,282.99	0.0%	3.8%	4.0%
2500	200	5000000	\$42,895.91	\$56,795.00	\$100,000.91	\$42,895.91	\$59,806.00	\$102,701.91	\$0.00	\$6,910.00	\$69.99	\$7,079.99	0.0%	3.8%	4.0%
3000	200	6000000	\$51,225.91	\$68,795.00	\$120,020.91	\$51,225.91	\$72,806.00	\$124,031.91	\$0.00	\$9,580.00	\$95.99	\$9,675.99	0.0%	3.8%	4.0%
3500	200	7000000	\$59,555.91	\$81,795.00	\$141,350.91	\$59,555.91	\$86,806.00	\$146,361.91	\$0.00	\$12,250.00	\$122.99	\$12,372.99	0.0%	3.8%	4.0%
4000	200	8000000	\$67,885.91	\$95,795.00	\$163,680.91	\$67,885.91	\$102,806.00	\$170,691.91	\$0.00	\$14,920.00	\$149.99	\$15,069.99	0.0%	3.8%	4.0%
4500	200	9000000	\$76,215.91	\$110,795.00	\$187,010.91	\$76,215.91	\$118,806.00	\$195,021.91	\$0.00	\$17,590.00	\$176.99	\$17,766.99	0.0%	3.8%	4.0%
5000	200	10000000	\$84,545.91	\$126,795.00	\$213,340.91	\$84,545.91	\$135,806.00	\$220,351.91	\$0.00	\$20,260.00	\$203.99	\$20,463.99	0.0%	3.8%	4.0%
5500	200	11000000	\$92,875.91	\$143,795.00	\$240,670.91	\$92,875.91	\$153,806.00	\$246,681.91	\$0.00	\$22,930.00	\$230.99	\$23,160.99	0.0%	3.8%	4.0%
6000	200	12000000	\$101,205.91	\$161,795.00	\$268,000.91	\$101,205.91	\$169,806.00	\$277,011.91	\$0.00	\$25,600.00	\$256.99	\$25,856.99	0.0%	3.8%	4.0%
750	300	2250000	\$16,013.41	\$26,007.75	\$42,021.16	\$16,013.41	\$27,814.50	\$43,827.91	\$0.00	\$1,806.75	\$17.28	\$1,824.03	0.0%	4.1%	4.3%
1000	300	3000000	\$21,279.91	\$34,677.00	\$55,956.91	\$21,279.91	\$37,086.00	\$58,365.91	\$0.00	\$2,406.00	\$24.00	\$2,430.00	0.0%	4.1%	4.3%
1500	300	4500000	\$31,785.91	\$52,015.50	\$83,801.41	\$31,785.91	\$55,629.00	\$87,414.91	\$0.00	\$3,843.00	\$38.43	\$3,881.43	0.0%	4.1%	4.3%
2000	300	6000000	\$42,291.91	\$70,354.50	\$112,646.41	\$42,291.91	\$75,242.00	\$117,533.91	\$0.00	\$5,279.50	\$52.79	\$5,332.29	0.0%	4.1%	4.3%
2500	300	7500000	\$52,797.91	\$88,693.50	\$141,491.41	\$52,797.91	\$95,806.00	\$148,604.91	\$0.00	\$7,108.00	\$71.08	\$7,179.08	0.0%	4.1%	4.3%
3000	300	9000000	\$63,303.91	\$107,032.50	\$170,336.41	\$63,303.91	\$114,518.00	\$177,821.91	\$0.00	\$9,214.00	\$92.14	\$9,306.14	0.0%	4.1%	4.3%
3500	300	10500000	\$73,809.91	\$125,371.50	\$199,181.41	\$73,809.91	\$134,522.00	\$208,331.91	\$0.00	\$11,512.00	\$115.12	\$11,627.24	0.0%	4.1%	4.3%
4000	300	12000000	\$84,315.91	\$143,710.50	\$228,026.41	\$84,315.91	\$154,526.00	\$238,841.91	\$0.00	\$13,810.00	\$138.10	\$13,948.10	0.0%	4.1%	4.3%
4500	300	13500000	\$94,821.91	\$162,049.50	\$257,871.41	\$94,821.91	\$169,806.00	\$274,627.91	\$0.00	\$16,108.00	\$161.08	\$16,269.08	0.0%	4.1%	4.3%
5000	400	2000000	\$15,796.51	\$26,077.50	\$41,874.01	\$15,796.51	\$28,745.00	\$44,541.01	\$0.00	\$2,948.50	\$29.48	\$2,977.98	0.0%	4.3%	4.5%
7500	400	3000000	\$21,549.91	\$36,770.00	\$58,319.91	\$21,549.91	\$40,480.00	\$62,029.91	\$0.00	\$4,000.00	\$40.00	\$4,040.00	0.0%	4.3%	4.5%
10000	400	4000000	\$27,303.91	\$46,462.50	\$73,766.41	\$27,303.91	\$51,174.00	\$78,477.91	\$0.00	\$5,470.00	\$54.70	\$5,524.70	0.0%	4.3%	4.5%
12000	400	5000000	\$33,057.91	\$56,155.00	\$89,212.91	\$33,057.91	\$60,886.00	\$93,943.91	\$0.00	\$7,370.00	\$73.70	\$7,443.70	0.0%	4.3%	4.5%
1500	400	6000000	\$41,411.91	\$69,442.50	\$110,854.41	\$41,411.91	\$75,242.00	\$126,653.91	\$0.00	\$9,840.00	\$98.40	\$9,948.40	0.0%	4.3%	4.5%
2000	400	8000000	\$57,165.91	\$95,442.50	\$152,608.41	\$57,165.91	\$104,036.00	\$166,201.91	\$0.00	\$13,570.00	\$135.70	\$13,705.70	0.0%	4.3%	4.5%
2500	400	10000000	\$72,919.91	\$121,442.50	\$194,362.41	\$72,919.91	\$131,830.00	\$204,749.91	\$0.00	\$17,300.00	\$173.00	\$17,473.00	0.0%	4.3%	4.5%
3000	400	12000000	\$88,673.91	\$147,242.50	\$235,916.41	\$88,673.91	\$159,224.00	\$247,897.91	\$0.00	\$21,030.00	\$210.30	\$21,240.30	0.0%	4.3%	4.5%
3500	400	14000000	\$104,427.91	\$173,042.50	\$277,470.41	\$104,427.91	\$183,618.00	\$291,036.91	\$0.00	\$24,760.00	\$247.60	\$24,997.60	0.0%	4.3%	4.5%
4000	400	16000000	\$120,181.91	\$198,842.50	\$319,024.41	\$120,181.91	\$211,002.00	\$330,184.91	\$0.00	\$28,490.00	\$284.90	\$28,774.90	0.0%	4.3%	4.5%
4500	400	18000000	\$135,935.91	\$224,642.50	\$360,578.41	\$135,935.91	\$233,386.00	\$373,964.91	\$0.00	\$32,220.00	\$322.20	\$32,542.20	0.0%	4.3%	4.5%
5000	400	20000000	\$151,689.91	\$250,442.50	\$402,132.41	\$151,689.91	\$251,186.00	\$402,875.91	\$0.00	\$35,950.00	\$359.50	\$36,314.50	0.0%	4.3%	4.5%
5500	400	22000000	\$167,443.91	\$276,242.50	\$443,686.41	\$167,443.91	\$272,980.00	\$444,666.91	\$0.00	\$39,680.00	\$396.80	\$40,066.80	0.0%	4.3%	4.5%
6000	400	24000000	\$183,197.91	\$302,042.50	\$485,240.41	\$183,197.91	\$297,782.00	\$487,022.91	\$0.00	\$43,410.00	\$434.10	\$43,846.10	0.0%	4.3%	4.5%
6500	400	26000000	\$198,951.91	\$327,842.50	\$526,794.41	\$198,951.91	\$320,584.00	\$528,378.91	\$0.00	\$47,140.00	\$471.40	\$47,611.40	0.0%	4.3%	4.5%
7000	400	28000000	\$214,705.91	\$353,642.50	\$568,348.41	\$214,705.91	\$345,386.00	\$570,734.91	\$0.00	\$50,870.00	\$508.70	\$51,243.70	0.0%	4.3%	4.5%
7500	400	30000000	\$230,459.91	\$379,442.50	\$609,902.41	\$230,459.91	\$372,188.00	\$612,090.91	\$0.00	\$54,600.00	\$546.00	\$54,996.00	0.0%	4.3%	4.5%
8000	400	32000000	\$246,213.91	\$405,242.50	\$651,456.41	\$246,213.91	\$401,990.00	\$653,442.91	\$0.00	\$58,330.00	\$583.30	\$58,713.30	0.0%	4.3%	4.5%
8500	400	34000000	\$261,967.91	\$431,042.50	\$693,010.41	\$261,967.91	\$428,792.00	\$695,798.91	\$0.00	\$62,060.00	\$620.60	\$62,410.60	0.0%	4.3%	4.5%
9000	400	36000000	\$277,721.91	\$456,842.50	\$734,564.41	\$277,721.91	\$456,692.00	\$737,152.91	\$0.00	\$65,790.00	\$657.90	\$66,147.90	0.0%	4.3%	4.5%
9500	400	38000000	\$293,475.91	\$482,642.50	\$776,118.41	\$293,475.91	\$484,494.00	\$779,506.91	\$0.00	\$69,520.00	\$695.20	\$69,875.20	0.0%	4.3%	4.5%
10000	400	40000000	\$309,229.91	\$508,442.50	\$817,672.41	\$309,229.91	\$512,296.00	\$820,368.91	\$0.00	\$73,250.00	\$732.50	\$73,610.50	0.0%	4.3%	4.5%
10500	400	42000000	\$324,983.91	\$534,242.50	\$859,226.41	\$324,983.91	\$540,098.00	\$861,324.91	\$0.00	\$76,980.00	\$769.80	\$77,339.80	0.0%	4.3%	4.5%
11000	400	44000000	\$340,737.91	\$560,042.50	\$900,780.41	\$340,737.91	\$567,890.00	\$902,674.91	\$0.00	\$80,710.00	\$807.10	\$81,027.10	0.0%	4.3%	4.5%
11500	400	46000000	\$356,491.91	\$585,842.50	\$942,334.41	\$356,491.91	\$595,692.00	\$944,028.91	\$0.00	\$84,440.00	\$844.40	\$84,752.40	0.0%	4.3%	4.5%
12000	400	48000000	\$372,245.91	\$611,642.50	\$983,888.41	\$372,245.91	\$623,494.00	\$985,382.91	\$0.00	\$88,170.00	\$881.70	\$88,493.70	0.0%	4.3%	4.5%
12500	400	50000000	\$388,000.00	\$637,442.50	\$1,025,442.50	\$388,000.00	\$651,296.00	\$1,026,296.00	\$0.00	\$91,900.00	\$919.00	\$92,215.00	0.0%	4.3%	4.5%
13000	400	52000000	\$403,754.00	\$663,242.50	\$1,067,000.00	\$403,754.00	\$679,098.00	\$1,068,098.00	\$0.00	\$95,630.00	\$956.30	\$95,946.30	0.0%	4.3%	4.5%
13500	400	54000000	\$419,508.00	\$689,042.50	\$1,108,554.00	\$419,508.00	\$706,900.00	\$1,109,804.00	\$0.00	\$99,360.00	\$993.60	\$99,676.60	0.0%	4.3%	4.5%
14000	400	56000000	\$435,262.00	\$714,842.50	\$1,150,108.00	\$435,262.00	\$734,702.00	\$1,151,810.00	\$0.00	\$103,090.00	\$1030.90	\$103,393.90	0.0%	4.3%	4.5%
14500	400	58000000	\$451,016.00	\$740,642.50	\$1,191,662.00	\$451,016.00	\$762,504.00	\$1,193,166.00	\$0.00	\$106,820.00	\$1068.20	\$107,134.20	0.0%	4.3%	4.5%
15000	400	60000000	\$466,770.00	\$766,442.50	\$1,233,216.00	\$466,770.00	\$790,306.00	\$1,234,522.00	\$0.00	\$110,550.00	\$1105.50	\$110,857.50	0.0%	4.3%	4.5%
15500	400	62000000	\$482,524.00	\$792,242.50	\$1,274,770.00	\$482,524.00	\$818,108.00	\$1,276,674.00	\$0.00	\$114,280.00	\$1142.80	\$114,586.80	0.0%	4.3%	4.5%
16000	400	64000000	\$498,278.00	\$818,042.50	\$1,316,324.00	\$498,278.00	\$845,910.00	\$1,318,228.00	\$0.00	\$118,010.00	\$1180.10	\$118,316.10	0.0%	4.3%	4.5%
16500	400	660													