

May 22, 2015

**VIA HAND DELIVERY & ELECTRONIC MAIL**

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

**RE: Docket 4542 - National Grid's Renewable Energy Growth Program  
RE Growth Factor Filing For the Period April 1, 2015 Through March 31, 2016  
Supplemental Filing**

Dear Ms. Massaro:

On behalf of National Grid<sup>1</sup>, I enclose the Company's Supplemental Renewable Energy Growth Factor (RE Growth Factor) filing for the period April 1, 2015 through March 31, 2016, which is the initial program year of the Company's Renewable Energy Growth Program (RE Growth Program) implemented pursuant to Chapter 26.6 of Title 39 of the Rhode Island General Laws (Chapter 26.6). National Grid submits this supplemental filing pursuant to the Company's Renewable Energy Growth Program Cost Recovery Provision, RIPUC No. 2153 (Cost Recovery Provision), which was approved by the Rhode Island Public Utilities Commission (PUC) at its Open Meeting on March 31, 2015 (Docket No. 4356-A). The Cost Recovery Provision allows for the recovery of the incremental costs associated with the RE Growth Program from all retail delivery service customers through a fixed monthly charge per customer, as authorized pursuant to Chapter 26.6.

On December 30, 2014, the Company filed its initial RE Growth Factor filing with the PUC to comply with the statutory requirement that, three months prior to the beginning of the initial program year, the Company file a forecast of the total prospective net cost of the RE Growth Program for the purpose of proposing the RE Growth Factor to recover those net costs. As noted in its December 30 filing letter, at that time, the Company could not forecast with certainty all of the expected expenses it would incur before and during the initial program year, which began April 1, 2015. Therefore, in its December 30 filing, the Company provided initial estimates of the expenses that it expected to incur to implement and administer the RE Growth Program before and during the initial program year and proposed to delay implementation of the RE Growth Factor until July 1, 2015.

Since the Company made its initial RE Growth Factor filing last December, in addition to the Cost Recovery Provision, the PUC has approved the Company's proposed tariffs and solicitation and enrollment process rules, as well as the Distributed Generation Board's ceiling

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

Luly E. Massaro, Commission Clerk  
Renewable Energy Growth Program  
Supplemental 2015 RE Growth Factor Filing  
May 22, 2015  
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price, class, and target recommendations. The Company has updated its estimated RE Growth Program expenses and, based on this updated cost estimate, the Company is now filing its proposed RE Growth Factor with the PUC for effect July 1, 2015.

This supplemental filing includes the joint supplemental testimony of Company witnesses, Corinne M. DiDomenico, Jeanne A. Lloyd, and Amy S. Tabor (with schedules). In their joint testimony, Ms. DiDomenico, Ms. Lloyd, and Ms. Tabor present the Company's updated estimate of the forecasted performance-based incentive payments that the Company is likely to pay out to distributed generation (DG) projects participating in the RE Growth Program less the forecasted revenues from the sale of energy, renewable energy certificates, and any other market products from the DG projects in the initial RE Growth Program year. The joint supplemental testimony also describes the revised estimates of the costs that are permitted for recovery pursuant to Chapter 26.6 and the Company's proposal for cost recovery of the aggregate amount of all forecasted payments and costs, net of the forecasted revenues.

Schedule NG-1, Supplemental provides an updated estimate of the costs expected to be incurred during and prior to the implementation of the initial RE Growth Program year based on actual costs incurred to date and estimated expenses through March 31, 2016. As shown on page 1 of Schedule NG-1, Supplemental, the Company expects to incur approximately \$1.7 million to implement and administer the RE Growth Program through March 31, 2016. Page 2 of Schedule NG-1, Supplemental presents the calculation of the rate class RE Growth Factors. The Company has made no changes to Schedule NG-2, but is including it for ease of reference. Schedule NG-3, Supplemental includes a typical bill analysis that demonstrates the monthly bill impacts for each of the Company's rate classes.

The proposed RE Growth Factor will result in a monthly bill increase for a residential customer using 500 kWh per month of \$0.18 per month, or approximately 0.2%.

Thank you for your attention to this transmittal. If you have any questions concerning this filing, please contact me at 781-907-2153.

Very truly yours,



Celia B. O'Brien

Enclosures

cc: Docket 4542 Service List  
Jon Hagopian, Esq.  
Karen Lyons, Esq.  
Steve Scialabba  
Leo Wold, Esq.

Certificate of Service

I hereby certify that a copy of the cover letter and any materials accompanying this certificate was electronically transmitted to the individuals listed below.

Paper copies of this filing are being hand delivered to the Rhode Island Public Utilities Commission and to the Rhode Island Division of Public Utilities and Carriers.



\_\_\_\_\_  
Joanne M. Scanlon

May 22, 2015

Date

**Docket No. 4542 – National Grid Renewable Energy Growth Factor Filing  
Service List updated 5/22/15**

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**THE NARRAGANSETT ELECTRIC COMPANY  
d/b/a NATIONAL GRID  
RIPUC DOCKET NO. 4542  
RE GROWTH FACTOR FILING  
WITNESSES: CORINNE M. DIDOMENICO  
JEANNE A. LLOYD  
AND AMY S. TABOR**

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**JOINT SUPPLEMENTAL TESTIMONY**

**OF**

**CORINNE M. DIDOMENICO,**

**JEANNE A. LLOYD**

**AND**

**AMY S. TABOR**

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1 **I. Introduction and Qualifications of Corinne M. DiDomenico**

2 **Q. Ms. DiDomenico, please state your name and business address.**

3 A. My name is Corinne M. DiDomenico, and my business address is 100 East Old Country  
4 Road, Hicksville, New York 11801.

5

6 **Q. Have you previously submitted testimony in this docket?**

7 A. Yes.

8

9 **II. Introduction and Qualifications of Jeanne A. Lloyd**

10 **Q. Please state your full name and business address.**

11 A. My name is Jeanne A. Lloyd, and my business address is 40 Sylvan Road, Waltham,  
12 Massachusetts 02451.

13

14 **Q. Have you previously submitted testimony in this docket?**

15 A. Yes.

16

17 **III. Introduction and Qualifications of Amy S. Tabor**

18 **Q. Please state your full name and business address.**

19 A. My name is Amy S. Tabor, and my business address is 40 Sylvan Road, Waltham,  
20 Massachusetts 02451.

1 **Q. Have you previously submitted testimony in this docket?**

2 A. Yes.

3

4 **IV. Purpose of Joint Supplemental Testimony**

5 **Q. Ms. DiDomenico, Ms. Lloyd, and Ms. Tabor, what is the purpose of your joint**  
6 **supplemental testimony?**

7 A. The purpose of our joint supplemental testimony is to present an update to the  
8 Company's estimate of the expense expected to be incurred prior to and during the twelve  
9 months ending March 31, 2016 (Initial Program Year) of the Renewable Energy (RE)  
10 Growth Program. In our joint testimony submitted on December 30, 2014 (December  
11 Filing) in this docket, the Company proposed to delay the implementation of the RE  
12 Growth Factors until July 1, 2015. As indicated in the testimony in that filing, the  
13 Company could not predict with certainty all of the expenses expected to be incurred  
14 prior to and during the Initial Program Year at that time because the proposed tariffs,  
15 proposed solicitation and enrollment process rules, and ceiling price recommendations  
16 submitted by the Distributed Generation Board (DG Board) had not yet been approved by  
17 the Public Utilities Commission (PUC). In addition, the Company was still in the process  
18 of planning for resources, system modifications, training, and other various activities  
19 related to implementation and administration of the RE Growth Program. Therefore, the  
20 Company submitted its initial cost estimate for informational purposes and to meet the

1 statutory requirement for filing the cost forecast three months prior to the beginning of  
2 the Initial Program Year. The Company also proposed to submit a supplemental filing in  
3 May 2015 to update its original cost estimates and propose RE Growth Factors effective  
4 July 1, 2015.

5  
6 **Q. Is the Company providing the updated cost estimate and proposed RE Growth**  
7 **Factors in this filing?**

8 A. Yes. The Company's updated estimate of costs expected to be incurred prior to and  
9 during the Initial Program Year is \$1.7 million. The detail of the estimate is included in  
10 Schedule NG-1, Supplemental. The updated estimate is approximately \$100,000 higher  
11 than the original estimate of \$1.6 million submitted in the December Filing.

12  
13 The proposed RE Growth Factors are shown on page 2 of Schedule NG-1, Supplemental.  
14 Schedule NG-3, Supplemental includes a typical bill analysis showing the monthly bill  
15 increase of the proposed RE Growth Factors for each of the Company's rate classes. The  
16 impact on a typical residential customer using 500 kWh per month is \$0.18, or  
17 approximately 0.2%.

18  
19 **V. RE Growth Program Updated Estimated Expense for the Initial Program Year**

20 **Q. What is the estimated RE Growth Program expense for the Initial Program Year?**

1 A. As indicated on Schedule NG-1, Supplemental, page 1, the Company estimates that it  
2 will incur approximately \$1.7 million to implement and administer the RE Growth  
3 Program prior to and during the Initial Program Year. The \$1.7 million estimated  
4 expense includes \$0.5 million of projected net costs associated with the Performance-  
5 Based Incentive (PBI) Payments made to customers participating in the RE Growth  
6 Program, approximately \$1.2 million in expected administrative expenses, approximately  
7 \$1,000 related to the revenue requirement on meter investment,<sup>1</sup> and approximately  
8 \$11,000 in estimated remuneration.

9

10 **Q. Please describe the update to the estimated net cost associated with PBI Payments?**

11 A. The estimated net cost associated with PBI Payments for the Initial Program Year is  
12 \$515,410 and is shown on Schedule NG-1, Supplemental, page 1, line (3). This amount  
13 is calculated on Page 3 of Schedule NG-1, Supplemental. The Company did not update  
14 Section 1 of Page 3 relating to estimated annual PBI Payments. The RE Growth Program  
15 will not open for small-scale solar customers until mid-June 2015; therefore, the  
16 Company believes its original estimate of customer participation for the Initial Program  
17 Year remains reasonable. In Section 2, the estimated Renewable Energy Certificate  
18 (REC) proxy was updated from \$62.00 per MW in the December Filing to \$51.20 per  
19 MW to reflect a more current market value. The value of \$51.20 is consistent with the

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<sup>1</sup>The Company has not updated its estimated of the revenue requirement on meter investment since the number of meters expected to be installed has not changed from the December Filing. Therefore, no changes have been made to Schedule NG-2; however, Schedule NG-2 is attached to this filing for ease of reference.

1 REC proxy used in the Company's Long-Term Contracting for Renewable Energy  
2 Recovery Factor filing submitted on May 15, 2015 (Docket No. 4535). The decrease in  
3 the REC proxy results in a slightly lower estimated value for the REC proceeds, and  
4 therefore, a slightly higher estimated above market cost of \$515,410, shown in Section 3,  
5 than the amount of \$495,542 that was estimated in the December Filing.  
6

7 **Q. Please describe the updates to the implementation and administrative costs and**  
8 **other costs to be recovered through the RE Growth Factors.**

9 A. The implementation and administrative costs have been updated to include actual costs  
10 incurred to date plus estimated costs expected to be incurred through the end of the Initial  
11 Program Year. As reflected on page 4 of Schedule NG-1, Supplemental, the Company  
12 has updated its estimates of billing and systems related costs, estimated DG Board  
13 expense and incremental labor expense. An explanation of the updated estimates  
14 follows:  
15

16 (1) Billing and systems: The Company has updated its original estimate of \$750,000 to  
17 \$723,000. The new estimate is based upon actual expense incurred to date of  
18 \$173,000, which includes expense for billing system modifications and website  
19 development, plus the estimated expense of \$550,000 expected to be incurred for  
20

1 implementation and administration of the RE Growth Program through the end of the  
2 Initial Program Year.

3  
4 (2) DG Board expense: The estimated DG Board expense includes costs incurred for  
5 consultants hired by the Office of Energy Resources (OER) or the Company and  
6 approved by the PUC to perform ceiling price studies and other reports or studies as  
7 approved by the PUC. To date, the Company has paid \$50,700 to the OER for the  
8 Initial Program Year. The PUC recently approved the DG Board's request for  
9 \$65,000 for consultant expense for the April 2016 through March 2017 program  
10 year, and those expenses are expected to be incurred prior to March 31, 2016.

11  
12 (3) Labor expense: The Company estimates that it will incur approximately \$343,350  
13 prior to and during the Initial Program Year in incremental employee-related  
14 expenses associated with five new resources expected to be added to implement and  
15 administer the RE Growth Program. Schedule NG-1, Supplemental, page 4 provides  
16 the detailed calculation of the cost estimate related to the incremental labor resources,  
17 including the expected average base salary of the new resources, the expected time  
18 that the resources will devote to the RE Growth Program, plus the applicable  
19 Company overheads. In addition to the four incremental employees included in the  
20 December Filing, the Company's updated estimate includes one additional resource

1 the Company expects to hire to support the Company's Accounts Processing group.

2 In addition, because four of the five expected new resources have not yet been hired,

3 and an adjustment has been made to the estimated aggregate annual salary for the

4 Initial Program Year to reflect a partial year's labor expense.

5  
6 **VI. Proposed Rate Class RE Growth Factors**

7 **Q. What are the proposed RE Growth Factors contained in this supplemental filing?**

8 A. The table below shows the proposed factors shown on page 2 of Schedule NG-1,  
9 Supplemental. The RE Growth Factors are monthly per bill charges, with the exception  
10 of the Streetlighting factor which is a per fixture factor. These factors are slightly higher  
11 than the illustrative factors presented in the Company's December Filing.

Rate Class	Proposed Factor
A-16/A-60	\$0.17
C-06	\$0.26
G-02	\$2.46
B/G-32	\$17.78
B/G-62/X-01	\$347.07
Streetlighting	\$0.07

12  
13  
14 **VII. Typical Bill Analysis**

15 **Q. Has the Company prepared a typical bill analysis to demonstrate the impact of the**  
16 **proposed RE Growth Factors?**

17 A. Yes. Schedule NG-3, Supplemental includes a typical bill analysis showing the impact of

1 the proposed RE Growth Factors on the monthly bills of a range of typical usage for  
2 customers in each of the Company's rate classes. The monthly increase for a 500 kWh  
3 residential Standard Offer Service customer based upon the proposed RE Growth Factor  
4 is \$0.18 per month, or approximately 0.2%.

5

6 **VIII. Conclusion**

7 **Q. Does this conclude your testimony?**

8 A. Yes.

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4542  
Schedules of  
Corinne M. DiDomenico  
Jeanne A. Lloyd  
and Amy S. Tabor

Schedule NG-1 - Supplemental

**Renewable Energy Growth Program Cost Recovery  
Factor Calculation  
for the Initial Program Year through March 31, 2016**

(1) Estimated Performance-Based Incentive Payments	\$609,597
(2) less: Value of Market Products	<u>\$94,188</u>
(3) Net Cost	\$515,410
(4) Estimated Administrative Expense	\$1,182,050
(5) Revenue Requirement - Meter Investment	\$1,054
(6) Estimated Remuneration	<u>\$10,668</u>
(7) Total Estimated RE Growth Program Expense	\$1,709,182

Line Descriptions:

- (1) Page 3, Section 1
- (2) Page 3, Section 2
- (3) Line (1) - Line (2)
- (4) Page 4
- (5) Schedule NG-2
- (6) Line (1) x 1.75%
- (7) Line (3) + Line (4) + Line (5) + Line (6)

### Renewable Energy Growth Program Cost Recovery

#### Proposed Renewable Energy Growth Program Factors

Line No.	<u>Total</u> (a)	<u>Residential A16 / A60</u> (b)	<u>Small Commercial &amp; Industrial C-06</u> (c)	<u>General Commercial &amp; Industrial G-02</u> (d)	<u>Large Demand B32 / G32</u> (e)	<u>Optional Large Demand B62 / G62</u> (f)	<u>Street Lighting S10 / S14</u> (g)
(1) Projected Renewable Energy Growth Expense	\$1,709,182						
(2) Total Rate Base (\$000s)	\$561,737	\$296,489	\$54,542	\$82,460	\$77,651	\$21,309	\$29,286
(3) Percentage of Total	100.00%	52.78%	9.71%	14.68%	13.82%	3.79%	5.21%
(4) Allocated Expense	\$1,709,011	\$902,106	\$165,962	\$250,908	\$236,209	\$64,778	\$89,048
(5) Forecasted Number of Bills	7,162,273	5,243,935	616,196	103,064	13,445	189	1,185,444
(6) Proposed RE Growth Factor - monthly per bill charge		\$0.17	\$0.26	\$2.43	\$17.56	\$342.74	\$0.07
(7) Uncollectible Percentage	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%
(8) Proposed RE Growth Factors		\$0.17	\$0.26	\$2.46	\$17.78	\$347.07	\$0.07

Line Descriptions:

- (1) Page 1, Line (7)
- (2) per RIPUC 4323, Compliance Attachment 3A, (Schedule HSG-1), page 2, Line 10
- (3) Line (2) ÷ Line (2) Total Column
- (4) Line (1) Total Column x Line (3)
- (5) per Company forecast for the period April 1, 2015 through March 31, 2016; for Streetlighting number represents individual fixtures
- (6) Line (4) ÷ Line (5), truncated to 5 decimal places
- (7) Uncollectible Percentage approved in RIPUC Docket No. 4323
- (8) Line (6) ÷ (1- Line (7))

**Renewable Energy Growth Program Cost Recovery  
Estimated Performance-Based Incentive Payments and Market Value  
for the Initial Program Year through March 31, 2016**

**Section 1: Estimated Annual Performance-Based Incentive Payments**

<u>Unit</u>	<u>Unit Capacity (kW)</u> (a)	<u>Number of Units</u> (b)	<u>Unit Availability Factor</u> (c)	<u>Estimated Program Year Output (kWh)</u> (d)	<u>Tariff Price (\$ per kWh)</u> (e)	<u>Estimated Program Year Cost</u> (f)
(1) Small Scale Solar - HO (1)	7.5	100	14%	459,900	\$0.40	\$183,960
(2) Small Scale Solar - TPO (1)	7.5	100	14%	459,900	\$0.33	\$151,537
(3) Small Scale Solar II (1)	20.0	75	14%	<u>919,800</u>	\$0.30	<u>\$274,100</u>
(4) Total				1,839,600		\$609,597

**Section 2: Estimated Market Value**

<u>Class</u>	<u>Estimated kWh Purchased Under Tariffs</u> (g)	<u>Market Energy Proxy</u> (h)	<u>Energy Market Value</u> (i)	<u>REC Proxy</u> (j)	<u>REC Market Value</u> (k)	<u>Total Market Value</u> (l)
(5) Small Scale Solar - HO (1)	459,900	n/a	n/a	\$0.0512	\$23,547	\$23,547
(6) Small Scale Solar - TPO (1)	459,900	n/a	n/a	\$0.0512	\$23,547	\$23,547
(7) Small Scale Solar II (1)	919,800	n/a	n/a	\$0.0512	<u>\$47,094</u>	<u>\$47,094</u>
(8) Total			\$0		\$94,188	\$94,188

**Section 3: Estimated Net Cost**

	<u>Estimated Net Cost</u> (m)
(9) Small Scale Solar - HO (1)	\$160,413
(10) Small Scale Solar - TPO (1)	\$127,990
(11) Small Scale Solar II (1)	<u>\$227,007</u>
(12) Total Estimated Above (Below) Market Cost	\$515,410

(1) "HO" = Host Owned, 1-10 kW      "'TPO" = Third-Party Owned, 1-10 kW      Small Scale Solar II = Commercial 11-25 kW

Column Descriptions:

- (a) estimated
- (b) commercially operable units
- (c) estimated
- (d) column (a) x column (b) x column (c) x (8,760 ÷ 2) hours (partial year)
- (e) per tariff
- (f) column (d) x column (e)
- (g) per column (d)
- (h) Standard Offer Service Spot Market Estimate for Commercial Group, excluding capacity and ancillary services components
- (i) column (g) x column (h)
- (j) REC price estimate based on most recent market information
- (k) column (g) x column (j)
- (l) column (i) + column (k)
- (m) column (f) - column (l)

Summary of Annual Administrative Expenses

	Actual to-date (a)	Estimated (b)	Total (c)
(1) Bill System Modifications	\$173,000	\$550,000	\$723,000
(2) Incremental Labor Resources (1)	\$12,600	\$330,750	\$343,350
(3) DG Board Expense	<u>\$50,700</u>	<u>\$65,000</u>	<u>\$115,700</u>
(4) Total	\$236,300	\$945,750	\$1,182,050

Line No.

- (1) Based on actual and estimated charges for billing system modifications and website development
- (2) Footnote (1) below
- (3) per Invoice; estimated per Board request to PUC
- (4) Line (1) + Line (2) + Line (3)

(1) Detail of Incremental Labor Resources

	Full-time Employees (a)	Contractor Resources (b)	Total (c)
(1) New Full Time Employees	4	1	5
(2) Average Salary	\$85,000	\$72,800	
(3) Percent Dedicated to Re Growth (on average)	70.00%	50.00%	
(4) Annual Labor Expense	\$238,000	\$36,400	
(5) Overhead rate	70.00%	0.00%	
(6) Adjustment for Partial Year	75.00%	75.00%	
(7) Total Annual Incremental Expense	\$303,450	\$27,300	\$330,750

Line No.

- (1) Estimated, includes additional resources in Environmental Transactions, Accounts Processing, Lab&Testing, Customer Solutions and TSES
- (2) Estimated
- (3) Estimated
- (4) Line (1) x Line (2) x Line (3)
- (5) Company Labor Overheads, excluding pension & PBOP (Customer Solutions resource will be contractor - no overheads applied)
- (6) Estimated
- (7) Line (4) x (1 + Line (5)) x Line (6)

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4542  
Schedules of  
Corinne M. DiDomenico  
Jeanne A. Lloyd  
and Amy S. Tabor

Schedule NG-2

The Narragansett Electric Company  
d/b/a National Grid  
Computation of RE Growth Capital Investment Revenue Requirement  
FY 2016 Investment

Line No.			Fiscal Year 2016
1	Capital Additions	275 Meters * \$60/meter	\$16,500
2	<b>Total Net Plant in Service</b>		<b>\$16,500</b>
<u>Deferred Tax Calculation:</u>			
3	Book Depreciation Rate		3.33%
4	Book Depreciation	Line 2 * Line 3 * 50%	\$275
5	Cumulative Book Depreciation		\$275
6	20 YR MACRS Tax Depreciation Rates		3.750%
7	Tax Depreciation	Line 2 * Line 6	\$619
8	Cumulative Tax Depreciation		\$619
9	Cumulative Book / Tax Timer	Line 8 - Line 5	\$344
10	Effective Tax Rate		35.00%
11	Deferred Tax Reserve	Line 6 * Line 7	\$120
<u>Rate Base Calculation:</u>			
12	Cumulative Incremental Capital Included in Rate Base	Line 2	\$16,500
13	Accumulated Depreciation	- Line 5	(\$275)
14	Deferred Tax Reserve	- Line 11	(\$120)
15	Year End Rate Base	Sum of Lines 12 through 14	\$16,105
<u>Revenue Requirement Calculation:</u>			
16	Average Rate Base	(Prior Year Line 15 + Current Year Line 15) ÷ 2	\$8,052
17	Pre-Tax ROR		9.68%
18	Return and Taxes	Line 16 * Line 17	\$779
19	Book Depreciation	Line 4	\$275
20	Property Taxes		\$0
21	<b>Annual Revenue Requirement</b>		<b>\$1,054</b>

1/ Weighted Average Cost of Capital per Settlement Agreement R.I.P.U.C. Docket No. 4323

	Ratio	Rate	Rate	Taxes	Return
Long Term Debt	49.95%	4.96%	2.48%		2.48%
Short Term Debt	0.76%	0.79%	0.01%		0.01%
Preferred Stock	0.15%	4.50%	0.01%		0.01%
Common Equity	49.14%	9.50%	4.67%	2.51%	7.18%
	<u>100.00%</u>		<u>7.17%</u>	<u>2.51%</u>	<u>9.68%</u>

The Narragansett Electric Company  
d/b/a National Grid  
RIPUC Docket No. 4542  
Schedules of  
Corinne M. DiDomenico  
Jeanne A. Lloyd  
and Amy S. Tabor

Schedule NG-3 - Supplemental

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

Monthly kWh	Present Rates			Proposed Rates			Increase/(Decrease)		Percentage of Customers
	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total	
150	\$33.42	\$16.26	\$17.16	\$33.60	\$16.26	\$17.34	\$0.18	0.5%	13.7%
300	\$60.87	\$32.52	\$28.35	\$61.05	\$32.52	\$28.53	\$0.18	0.3%	17.5%
400	\$79.16	\$43.35	\$35.81	\$79.34	\$43.35	\$35.99	\$0.18	0.2%	11.8%
500	\$97.46	\$54.19	\$43.27	\$97.64	\$54.19	\$43.45	\$0.18	0.2%	10.8%
600	\$115.76	\$65.03	\$50.73	\$115.94	\$65.03	\$50.91	\$0.18	0.2%	9.4%
700	\$134.06	\$75.87	\$58.19	\$134.24	\$75.87	\$58.37	\$0.18	0.1%	7.7%
1,200	\$225.55	\$130.06	\$95.49	\$225.73	\$130.06	\$95.67	\$0.18	0.1%	15.0%
2,000	\$371.95	\$216.77	\$155.18	\$372.13	\$216.77	\$155.36	\$0.18	0.0%	14.1%

Present Rates

Customer Charge		\$5.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02348
Distribution Energy Charge	kWh x	\$0.03973
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.10405

Proposed Rates

Customer Charge		\$5.00
RE Growth Factor		\$0.17
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02348
Distribution Energy Charge	kWh x	\$0.03973
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.10405

Note (1): includes the base Standard Offer Service Charge of 9.922¢/kWh, the Standard Offer Service Adjustment Charge of 0.055¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.134¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

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

Monthly kWh	Present Rates			Proposed Rates			Increase/(Decrease)		Percentage of Customers
	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total	
150	\$26.11	\$16.26	\$9.85	\$26.29	\$16.26	\$10.03	\$0.18	0.7%	10.7%
300	\$51.45	\$32.52	\$18.93	\$51.63	\$32.52	\$19.11	\$0.18	0.3%	23.2%
400	\$68.34	\$43.35	\$24.99	\$68.52	\$43.35	\$25.17	\$0.18	0.3%	14.9%
500	\$85.24	\$54.19	\$31.05	\$85.42	\$54.19	\$31.23	\$0.18	0.2%	12.2%
600	\$102.13	\$65.03	\$37.10	\$102.31	\$65.03	\$37.28	\$0.18	0.2%	9.6%
700	\$119.03	\$75.87	\$43.16	\$119.21	\$75.87	\$43.34	\$0.18	0.2%	7.3%
1,200	\$203.51	\$130.06	\$73.45	\$203.69	\$130.06	\$73.63	\$0.18	0.1%	12.3%
2,000	\$338.68	\$216.77	\$121.91	\$338.86	\$216.77	\$122.09	\$0.18	0.1%	9.8%

Present Rates

Customer Charge		\$0.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02348
Distribution Energy Charge	kWh x	\$0.02626
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.10405

Proposed Rates

Customer Charge		\$0.00
RE Growth Factor		\$0.17
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02348
Distribution Energy Charge	kWh x	\$0.02626
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.10405

Note (1): includes the base Standard Offer Service Charge of 9.922¢/kWh, the Standard Offer Service Adjustment Charge of 0.055¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.134¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

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

Monthly kWh	Present Rates			Proposed Rates			Increase/(Decrease)		Percentage of Customers
	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total	
250	\$58.97	\$30.89	\$28.08	\$59.24	\$30.89	\$28.35	\$0.27	0.5%	35.2%
500	\$106.75	\$61.78	\$44.97	\$107.02	\$61.78	\$45.24	\$0.27	0.3%	17.0%
1,000	\$202.33	\$123.56	\$78.77	\$202.60	\$123.56	\$79.04	\$0.27	0.1%	19.0%
1,500	\$297.91	\$185.34	\$112.57	\$298.18	\$185.34	\$112.84	\$0.27	0.1%	9.8%
2,000	\$393.49	\$247.13	\$146.36	\$393.76	\$247.13	\$146.63	\$0.27	0.1%	19.1%

Present Rates

Customer Charge		\$10.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02072
Distribution Energy Charge	kWh x	\$0.03576
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.11862

Proposed Rates

Customer Charge		\$10.00
RE Growth Factor		\$0.26
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02072
Distribution Energy Charge	kWh x	\$0.03576
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.11862

Note (1): includes the base Standard Offer Service Charge of 11.127¢/kWh, the Standard Offer Service Adjustment Charge of 0.282¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.159¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

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

Hours Use: 200

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
20	4,000	\$850.11	\$494.25	\$355.86	\$852.67	\$494.25	\$358.42	\$2.56	0.3%
50	10,000	\$1,994.93	\$1,235.63	\$759.30	\$1,997.49	\$1,235.63	\$761.86	\$2.56	0.1%
100	20,000	\$3,902.95	\$2,471.25	\$1,431.70	\$3,905.51	\$2,471.25	\$1,434.26	\$2.56	0.1%
150	30,000	\$5,810.97	\$3,706.88	\$2,104.09	\$5,813.53	\$3,706.88	\$2,106.65	\$2.56	0.0%

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge	kWh x	\$0.00595
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.11862

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge	kWh x	\$0.00595
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.11862

Note (1): includes the base Standard Offer Service Charge of 11.127¢/kWh, the Standard Offer Service Adjustment Charge of 0.282¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.159¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

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

Hours Use: 300

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
20	6,000	\$1,145.79	\$741.38	\$404.41	\$1,148.35	\$741.38	\$406.97	\$2.56	0.2%
50	15,000	\$2,734.10	\$1,853.44	\$880.66	\$2,736.66	\$1,853.44	\$883.22	\$2.56	0.1%
100	30,000	\$5,381.29	\$3,706.88	\$1,674.41	\$5,383.85	\$3,706.88	\$1,676.97	\$2.56	0.0%
150	45,000	\$8,028.47	\$5,560.31	\$2,468.16	\$8,031.03	\$5,560.31	\$2,470.72	\$2.56	0.0%

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge	kWh x	\$0.00595
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge	kWh x	\$0.00595
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059

Gross Earnings Tax 4.00%

Gross Earnings Tax 4.00%

Standard Offer Charge (1) kWh x \$0.11862

Standard Offer Charge (1) kWh x \$0.11862

Note (1): includes the base Standard Offer Service Charge of 11.127¢/kWh, the Standard Offer Service Adjustment Charge of 0.282¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.159¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

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

Hours Use: 400

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
20	8,000	\$1,441.45	\$988.50	\$452.95	\$1,444.01	\$988.50	\$455.51	\$2.56	0.2%
50	20,000	\$3,473.26	\$2,471.25	\$1,002.01	\$3,475.82	\$2,471.25	\$1,004.57	\$2.56	0.1%
100	40,000	\$6,859.61	\$4,942.50	\$1,917.11	\$6,862.17	\$4,942.50	\$1,919.67	\$2.56	0.0%
150	60,000	\$10,245.97	\$7,413.75	\$2,832.22	\$10,248.53	\$7,413.75	\$2,834.78	\$2.56	0.0%

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge	kWh x	\$0.00595
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.11862

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge	kWh x	\$0.00595
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.11862

Note (1): includes the base Standard Offer Service Charge of 11.127¢/kWh, the Standard Offer Service Adjustment Charge of 0.282¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.159¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

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

Hours Use: 500

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
20	10,000	\$1,737.12	\$1,235.63	\$501.49	\$1,739.68	\$1,235.63	\$504.05	\$2.56	0.1%
50	25,000	\$4,212.42	\$3,089.06	\$1,123.36	\$4,214.98	\$3,089.06	\$1,125.92	\$2.56	0.1%
100	50,000	\$8,337.95	\$6,178.13	\$2,159.82	\$8,340.51	\$6,178.13	\$2,162.38	\$2.56	0.0%
150	75,000	\$12,463.47	\$9,267.19	\$3,196.28	\$12,466.03	\$9,267.19	\$3,198.84	\$2.56	0.0%

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge	kWh x	\$0.00595
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.11862

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge	kWh x	\$0.00595
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.11862

Note (1): includes the base Standard Offer Service Charge of 11.127¢/kWh, the Standard Offer Service Adjustment Charge of 0.282¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.159¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

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

Hours Use: 600

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
20	12,000	\$2,032.78	\$1,482.75	\$550.03	\$2,035.34	\$1,482.75	\$552.59	\$2.56	0.1%
50	30,000	\$4,951.60	\$3,706.88	\$1,244.72	\$4,954.16	\$3,706.88	\$1,247.28	\$2.56	0.1%
100	60,000	\$9,816.28	\$7,413.75	\$2,402.53	\$9,818.84	\$7,413.75	\$2,405.09	\$2.56	0.0%
150	90,000	\$14,680.97	\$11,120.63	\$3,560.34	\$14,683.53	\$11,120.63	\$3,562.90	\$2.56	0.0%

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge	kWh x	\$0.00595
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.11862

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge	kWh x	\$0.00595
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.11862

Note (1): includes the base Standard Offer Service Charge of 11.127¢/kWh, the Standard Offer Service Adjustment Charge of 0.282¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.159¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

Calculation of Monthly Typical Bill  
Total Bill Impact of Proposed  
Rates Applicable to G-32 Rate Customers

Hours Use: 200

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
200	40,000	\$5,048.47	\$2,481.25	\$2,567.22	\$5,066.99	\$2,481.25	\$2,585.74	\$18.52	0.4%
750	150,000	\$18,915.35	\$9,304.69	\$9,610.66	\$18,933.87	\$9,304.69	\$9,629.18	\$18.52	0.1%
1,000	200,000	\$25,218.47	\$12,406.25	\$12,812.22	\$25,236.99	\$12,406.25	\$12,830.74	\$18.52	0.1%
1,500	300,000	\$37,824.72	\$18,609.38	\$19,215.34	\$37,843.24	\$18,609.38	\$19,233.86	\$18.52	0.0%
2,500	500,000	\$63,037.22	\$31,015.63	\$32,021.59	\$63,055.74	\$31,015.63	\$32,040.11	\$18.52	0.0%

Present Rates

Customer Charge		\$825.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge	kWh x	\$0.00626
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059
Gross Earnings Tax		4%
Standard Offer Charge (1)	kWh x	\$0.05955

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge	kWh x	\$0.00626
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059
Gross Earnings Tax		4%
Standard Offer Charge (1)	kWh x	\$0.05955

Note (1): includes an average of the base Standard Offer Service Charge for April 2015 through June 2015 of 5.428¢/kWh, the Standard Offer Service Adjustment Charge of 0.059¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.174¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

Calculation of Monthly Typical Bill  
Total Bill Impact of Proposed  
Rates Applicable to G-32 Rate Customers

Hours Use: 300

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
200	60,000	\$6,788.47	\$3,721.88	\$3,066.59	\$6,806.99	\$3,721.88	\$3,085.11	\$18.52	0.3%
750	225,000	\$25,440.34	\$13,957.03	\$11,483.31	\$25,458.86	\$13,957.03	\$11,501.83	\$18.52	0.1%
1,000	300,000	\$33,918.47	\$18,609.38	\$15,309.09	\$33,936.99	\$18,609.38	\$15,327.61	\$18.52	0.1%
1,500	450,000	\$50,874.72	\$27,914.06	\$22,960.66	\$50,893.24	\$27,914.06	\$22,979.18	\$18.52	0.0%
2,500	750,000	\$84,787.22	\$46,523.44	\$38,263.78	\$84,805.74	\$46,523.44	\$38,282.30	\$18.52	0.0%

Present Rates

Customer Charge		\$825.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge	kWh x	\$0.00626
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059
Gross Earnings Tax		4%
Standard Offer Charge (1)	kWh x	\$0.05955

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge	kWh x	\$0.00626
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059
Gross Earnings Tax		4%
Standard Offer Charge (1)	kWh x	\$0.05955

Note (1): includes an average of the base Standard Offer Service Charge for April 2015 through June 2015 of 5.428¢/kWh, the Standard Offer Service Adjustment Charge of 0.059¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.174¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

Calculation of Monthly Typical Bill  
Total Bill Impact of Proposed  
Rates Applicable to G-32 Rate Customers

Hours Use: 400

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
200	80,000	\$8,528.47	\$4,962.50	\$3,565.97	\$8,546.99	\$4,962.50	\$3,584.49	\$18.52	0.2%
750	300,000	\$31,965.35	\$18,609.38	\$13,355.97	\$31,983.87	\$18,609.38	\$13,374.49	\$18.52	0.1%
1,000	400,000	\$42,618.47	\$24,812.50	\$17,805.97	\$42,636.99	\$24,812.50	\$17,824.49	\$18.52	0.0%
1,500	600,000	\$63,924.72	\$37,218.75	\$26,705.97	\$63,943.24	\$37,218.75	\$26,724.49	\$18.52	0.0%
2,500	1,000,000	\$106,537.22	\$62,031.25	\$44,505.97	\$106,555.74	\$62,031.25	\$44,524.49	\$18.52	0.0%

Present Rates

Customer Charge		\$825.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge	kWh x	\$0.00626
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059
Gross Earnings Tax		4%
Standard Offer Charge (1)	kWh x	\$0.05955

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge	kWh x	\$0.00626
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059
Gross Earnings Tax		4%
Standard Offer Charge (1)	kWh x	\$0.05955

Note (1): includes an average of the base Standard Offer Service Charge for April 2015 through June 2015 of 5.428¢/kWh, the Standard Offer Service Adjustment Charge of 0.059¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.174¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

Calculation of Monthly Typical Bill  
Total Bill Impact of Proposed  
Rates Applicable to G-32 Rate Customers

Hours Use: 500

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
200	100,000	\$10,268.47	\$6,203.13	\$4,065.34	\$10,286.99	\$6,203.13	\$4,083.86	\$18.52	0.2%
750	375,000	\$38,490.35	\$23,261.72	\$15,228.63	\$38,508.87	\$23,261.72	\$15,247.15	\$18.52	0.0%
1,000	500,000	\$51,318.47	\$31,015.63	\$20,302.84	\$51,336.99	\$31,015.63	\$20,321.36	\$18.52	0.0%
1,500	750,000	\$76,974.72	\$46,523.44	\$30,451.28	\$76,993.24	\$46,523.44	\$30,469.80	\$18.52	0.0%
2,500	1,250,000	\$128,287.22	\$77,539.06	\$50,748.16	\$128,305.74	\$77,539.06	\$50,766.68	\$18.52	0.0%

Present Rates

Customer Charge		\$825.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge	kWh x	\$0.00626
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059

Gross Earnings Tax 4%

Standard Offer Charge (1) kWh x \$0.05955

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge	kWh x	\$0.00626
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059

Gross Earnings Tax 4%

Standard Offer Charge (1) kWh x \$0.05955

Note (1): includes an average of the base Standard Offer Service Charge for April 2015 through June 2015 of 5.428¢/kWh, the Standard Offer Service Adjustment Charge of 0.059¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.174¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

Calculation of Monthly Typical Bill  
Total Bill Impact of Proposed  
Rates Applicable to G-32 Rate Customers

Hours Use: 600

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
200	120,000	\$12,008.47	\$7,443.75	\$4,564.72	\$12,026.99	\$7,443.75	\$4,583.24	\$18.52	0.2%
750	450,000	\$45,015.34	\$27,914.06	\$17,101.28	\$45,033.86	\$27,914.06	\$17,119.80	\$18.52	0.0%
1,000	600,000	\$60,018.47	\$37,218.75	\$22,799.72	\$60,036.99	\$37,218.75	\$22,818.24	\$18.52	0.0%
1,500	900,000	\$90,024.72	\$55,828.13	\$34,196.59	\$90,043.24	\$55,828.13	\$34,215.11	\$18.52	0.0%
2,500	1,500,000	\$150,037.22	\$93,046.88	\$56,990.34	\$150,055.74	\$93,046.88	\$57,008.86	\$18.52	0.0%

Present Rates

Customer Charge		\$825.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge	kWh x	\$0.00626
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059

Gross Earnings Tax 4%

Standard Offer Charge (1) kWh x \$0.05955

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge	kWh x	\$0.00626
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059

Gross Earnings Tax 4%

Standard Offer Charge (1) kWh x \$0.05955

Note (1): includes an average of the base Standard Offer Service Charge for April 2015 through June 2015 of 5.428¢/kWh, the Standard Offer Service Adjustment Charge of 0.059¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.174¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

Calculation of Monthly Typical Bill  
Total Bill Impact of Proposed  
Rates Applicable to G-62 Rate Customers

Hours Use: 200

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	600,000	\$89,009.09	\$37,218.75	\$51,790.34	\$89,370.62	\$37,218.75	\$52,151.87	\$361.53	0.4%
5,000	1,000,000	\$136,542.43	\$62,031.25	\$74,511.18	\$136,903.96	\$62,031.25	\$74,872.71	\$361.53	0.3%
7,500	1,500,000	\$195,959.10	\$93,046.88	\$102,912.22	\$196,320.63	\$93,046.88	\$103,273.75	\$361.53	0.2%
10,000	2,000,000	\$255,375.76	\$124,062.50	\$131,313.26	\$255,737.29	\$124,062.50	\$131,674.79	\$361.53	0.1%
20,000	4,000,000	\$493,042.43	\$248,125.00	\$244,917.43	\$493,403.96	\$248,125.00	\$245,278.96	\$361.53	0.1%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge	kWh x	(\$0.00015)
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge	kWh x	(\$0.00015)
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kW x	\$0.00059

Gross Earnings Tax 4%

Gross Earnings Tax 4%

Standard Offer Charge (1) kWh x \$0.05955

Standard Offer Charge (1) kWh x \$0.05955

Note (1): includes an average of the base Standard Offer Service Charge for April 2015 through June 2015 of 5.428¢/kWh, the Standard Offer Service Adjustment Charge of 0.059¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.174¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

Calculation of Monthly Typical Bill  
Total Bill Impact of Proposed  
Rates Applicable to G-62 Rate Customers

Hours Use: 300

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	900,000	\$114,096.60	\$55,828.13	\$58,268.47	\$114,458.13	\$55,828.13	\$58,630.00	\$361.53	0.3%
5,000	1,500,000	\$178,354.93	\$93,046.88	\$85,308.05	\$178,716.46	\$93,046.88	\$85,669.58	\$361.53	0.2%
7,500	2,250,000	\$258,677.84	\$139,570.31	\$119,107.53	\$259,039.37	\$139,570.31	\$119,469.06	\$361.53	0.1%
10,000	3,000,000	\$339,000.76	\$186,093.75	\$152,907.01	\$339,362.29	\$186,093.75	\$153,268.54	\$361.53	0.1%
20,000	6,000,000	\$660,292.43	\$372,187.50	\$288,104.93	\$660,653.96	\$372,187.50	\$288,466.46	\$361.53	0.1%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge	kWh x	(\$0.00015)
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059
Gross Earnings Tax		4%
Standard Offer Charge (1)	kWh x	\$0.05955

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge	kWh x	(\$0.00015)
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059
Gross Earnings Tax		4%
Standard Offer Charge (1)	kWh x	\$0.05955

Note (1): includes an average of the base Standard Offer Service Charge for April 2015 through June 2015 of 5.428¢/kWh, the Standard Offer Service Adjustment Charge of 0.059¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.174¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

Calculation of Monthly Typical Bill  
Total Bill Impact of Proposed  
Rates Applicable to G-62 Rate Customers

Hours Use: 400

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	1,200,000	\$139,184.09	\$74,437.50	\$64,746.59	\$139,545.62	\$74,437.50	\$65,108.12	\$361.53	0.3%
5,000	2,000,000	\$220,167.43	\$124,062.50	\$96,104.93	\$220,528.96	\$124,062.50	\$96,466.46	\$361.53	0.2%
7,500	3,000,000	\$321,396.59	\$186,093.75	\$135,302.84	\$321,758.12	\$186,093.75	\$135,664.37	\$361.53	0.1%
10,000	4,000,000	\$422,625.76	\$248,125.00	\$174,500.76	\$422,987.29	\$248,125.00	\$174,862.29	\$361.53	0.1%
20,000	8,000,000	\$827,542.43	\$496,250.00	\$331,292.43	\$827,903.96	\$496,250.00	\$331,653.96	\$361.53	0.0%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge	kWh x	(\$0.00015)
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059

Gross Earnings Tax 4%

Standard Offer Charge (1) kWh x \$0.05955

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge	kWh x	(\$0.00015)
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059

Gross Earnings Tax 4%

Standard Offer Charge (1) kWh x \$0.05955

Note (1): includes an average of the base Standard Offer Service Charge for April 2015 through June 2015 of 5.428¢/kWh, the Standard Offer Service Adjustment Charge of 0.059¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.174¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

Calculation of Monthly Typical Bill  
Total Bill Impact of Proposed  
Rates Applicable to G-62 Rate Customers

Hours Use: 500

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	1,500,000	\$164,271.60	\$93,046.88	\$71,224.72	\$164,633.13	\$93,046.88	\$71,586.25	\$361.53	0.2%
5,000	2,500,000	\$261,979.93	\$155,078.13	\$106,901.80	\$262,341.46	\$155,078.13	\$107,263.33	\$361.53	0.1%
7,500	3,750,000	\$384,115.35	\$232,617.19	\$151,498.16	\$384,476.88	\$232,617.19	\$151,859.69	\$361.53	0.1%
10,000	5,000,000	\$506,250.76	\$310,156.25	\$196,094.51	\$506,612.29	\$310,156.25	\$196,456.04	\$361.53	0.1%
20,000	10,000,000	\$994,792.43	\$620,312.50	\$374,479.93	\$995,153.96	\$620,312.50	\$374,841.46	\$361.53	0.0%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge	kWh x	(\$0.00015)
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059

Gross Earnings Tax 4%

Standard Offer Charge (1) kWh x \$0.05955

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
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Proposed Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge	kWh x	(\$0.00015)
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059

Gross Earnings Tax 4%

Standard Offer Charge (1) kWh x \$0.05955

Note (1): includes an average of the base Standard Offer Service Charge for April 2015 through June 2015 of 5.428¢/kWh, the Standard Offer Service Adjustment Charge of 0.059¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.174¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

Calculation of Monthly Typical Bill  
Total Bill Impact of Proposed  
Rates Applicable to G-62 Rate Customers

Hours Use: 600

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	1,800,000	\$189,359.09	\$111,656.25	\$77,702.84	\$189,720.62	\$111,656.25	\$78,064.37	\$361.53	0.2%
5,000	3,000,000	\$303,792.43	\$186,093.75	\$117,698.68	\$304,153.96	\$186,093.75	\$118,060.21	\$361.53	0.1%
7,500	4,500,000	\$446,834.10	\$279,140.63	\$167,693.47	\$447,195.63	\$279,140.63	\$168,055.00	\$361.53	0.1%
10,000	6,000,000	\$589,875.76	\$372,187.50	\$217,688.26	\$590,237.29	\$372,187.50	\$218,049.79	\$361.53	0.1%
20,000	12,000,000	\$1,162,042.43	\$744,375.00	\$417,667.43	\$1,162,403.96	\$744,375.00	\$418,028.96	\$361.53	0.0%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge	kWh x	(\$0.00015)
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059

Gross Earnings Tax 4%

Standard Offer Charge (1) kWh x \$0.05955

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge	kWh x	(\$0.00015)
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00059

Gross Earnings Tax 4%

Standard Offer Charge (1) kWh x \$0.05955

Note (1): includes an average of the base Standard Offer Service Charge for April 2015 through June 2015 of 5.428¢/kWh, the Standard Offer Service Adjustment Charge of 0.059¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.174¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh