

December 30, 2014

VIA OVERNIGHT COURIER & ELECTRONIC MAIL

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

**RE: National Grid's Renewable Energy Growth Program
RE Growth Factor Filing For the Period April 1, 2015 Through March 31, 2016
Docket No. _____**

Dear Ms. Massaro:

On behalf of National Grid¹, I enclose the Company's RE Growth Factor filing for the period April 1, 2015 through March 31, 2016, which is the initial program year of the Rhode Island Renewable Energy Growth Program (RE Growth Program)² under the recently-enacted Clean Energy Jobs Program Act³ (the Act).

National Grid submits this filing pursuant to the Company's proposed Renewable Energy Growth Program Cost Recovery Provision, RIPUC No. 2153, which is currently pending approval of the Rhode Island Public Utilities Commission (PUC) in Docket No. 4536. The Company included the proposed Cost Recovery Provision in its proposal for implementation of the RE Growth Program pursuant to the Act, which was filed with the PUC on November 14, 2014. 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 the Act.

The Company's filing includes the joint pre-filed direct testimony from the Company's 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 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 testimony also describes the costs that are permitted for recovery pursuant to the RE Growth Statute and the Company's proposal for cost recovery of the aggregate amount of all forecasted payments and costs, net of the forecasted revenues.

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

² Chapter 26.6 of Title 39 of the Rhode Island General Laws.

³ House Bill No. 2014-H 7727Aaa; Senate Bill No. 2014-S 2960Aaa.

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Renewable Energy Growth Program
2015 RE Growth Factor Filing
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The Act requires 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. At this time, the Company cannot forecast with certainty all of the expected expenses it will incur before and during the initial program year, which begins April 1, 2015. Therefore, the Company is providing initial estimates of the expenses that it expects to incur to implement and administer the RE Growth Program before and during the initial program year and proposes to delay implementation of the RE Growth Factor until July 1, 2015. Once the Company's proposed tariffs and solicitation and enrollment process rules and the Distributed Generation Board's ceiling price recommendations have been approved by the PUC and implemented, the Company proposes to update its estimated RE Growth Program expenses. Based on this updated cost estimate, the Company would file its proposed RE Growth Factor with the PUC for effect July 1, 2015 as a supplement to this filing.

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: Jon Hagopian, Esq.
Karen Lyons, Esq.
Steve Scialabba
Leo Wold, Esq.

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

JOINT PRE-FILED DIRECT 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. Ms. DiDomenico, by whom are you employed and in what position?**

7 A. I am employed by National Grid USA Service Company, Inc. (Service Company) as the
8 Manager of Environmental Transactions for the Energy Procurement organization on
9 behalf The Narragansett Electric Company.¹ In this role, I am responsible for the
10 competitive solicitations for renewable energy projects, negotiations for power purchase
11 agreements for renewable energy projects, and the development of National Grid's
12 policies on renewable energy. My responsibilities will include working with projects
13 under the recently-enacted Renewable Energy Growth Program statute (RE Growth
14 Statute), R.I. Gen. Laws § 39-26.6-1 *et seq.*

15
16 **Q. Ms. DiDomenico, please describe your educational background and professional
17 experience.**

18 A. In 2005, I graduated from Drexel University with a Bachelor of Science Degree in Civil
19 Engineering. In May 2013, I received a Master's degree in Business Administration in

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

1 Finance and Investments from Baruch College. In July 2005, I joined KeySpan
2 Corporation as an Engineer in Generation Operations. I was accepted into the
3 Engineering Rotation Program and held various positions in Power Engineering,
4 Generating Plant (Steam and Gas Turbine) Operations, and Maintenance Services. In
5 November 2009, as part of a management development initiative, I joined Energy
6 Portfolio Management as the technical advisor to the Senior Vice President. I was named
7 to my current position in June 2011. As the Manager of Environmental Transactions, I
8 am responsible for handling the Company's annual competitive solicitations for
9 renewable energy projects, which are conducted pursuant to the Rhode Island Long-Term
10 Contracting Standard for Renewable Energy Act (Long-Term Contracting Standard).² I
11 am also responsible for negotiating power purchase agreements under the Long-Term
12 Contracting Standard and providing business support in the associated regulatory
13 proceedings. In my current role, I also conduct the periodic solicitations required under
14 the Distributed Generation Standard Contracts Act (DG Standard Contracts Act).³ Since
15 the enactment of the RE Growth Statute, I have been participating in the development of
16 the Renewable Energy Growth (RE Growth) Program, including the solicitation and
17 enrollment process rules and applications, which the Company filed with the Rhode
18 Island Public Utilities Commission (PUC) on November 14, 2014 (Docket No. 4536).

² R.I. Gen. Laws. § 39-26.1-1 *et seq.*

³ R.I. Gen. Laws § 39-26.2-1 *et seq.*

1 **Q. Have you previously testified before the PUC?**

2 A. Yes. I have testified before the PUC in support of the power purchase agreements that the
3 Company has entered into pursuant to the Long-Term Contracting Standard in
4 Docket Nos. 4437 and 4319. In addition, I have testified before the PUC in Docket Nos.
5 4277 and 4288, which involved the enrollment rules and process, ceiling prices, and
6 standard contracts under the DG Standard Contracts Act, as well as in Docket No. 4536
7 in the Company's RE Growth Program proposal.

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. Please state your position.**

15 A. I am a Principal Program Manager in Electric Pricing, New England in the Regulation
16 and Pricing group of the Service Company. This department provides rate-related
17 support to the Company.

18

19 **Q. Please describe your educational background and training.**

20 A. In 1980, I graduated from Bradley University in Peoria, Illinois with a Bachelor's Degree
21 in English. In December 1982, I received a Master of Arts Degree in Economics from

1 Northern Illinois University in De Kalb, Illinois.

2

3 **Q. Please describe your professional experience.**

4 A. I was employed by Eastern Utilities Association (EUA) Service Corporation in December
5 1990 as an Analyst in the Rate Department. I was promoted to Senior Rate Analyst on
6 January 1, 1993. As a Senior Rate Analyst, my responsibilities included the study,
7 analysis and design of the retail electric service rates, rate riders, and special contracts for
8 the EUA retail companies. After the merger of New England Electric System and EUA
9 in April 2000, I joined the Distribution Regulatory Services Department as a Principal
10 Financial Analyst. I assumed my present position on October 1, 2006. Prior to my
11 employment at EUA, I was on the staff of the Missouri Public Service Commission in
12 Jefferson City, Missouri in the position of research economist. My responsibilities
13 included presenting both written and oral testimony before the Missouri Public Service
14 Commission in the areas of cost of service and rate design for electric and natural gas rate
15 proceedings.

16

17 **Q. Have you previously testified before the PUC?**

18 A. Yes. I have testified before the PUC on numerous occasions in support of various rate-
19 related issues.

20

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

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

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

5
6 **Q. Please state your position.**

7 A. I am a Senior Analyst of New England Revenue Requirements in the Regulation and
8 Pricing department of the Service Company. My current duties include revenue
9 requirements responsibilities for National Grid's electric and gas distribution activities in
10 New England, including the electric operations of the Company.

11
12 **Q. Please describe your education and professional experience.**

13 A. In 2000, I received a Bachelor of Science degree in Business Management from Salem
14 State University. I worked at Oliver Wyman Company from 2000 to 2007 as an
15 Accounts Payable Coordinator, Accounts Payable Supervisor, and Senior Accountant.
16 From 2007 to 2013, I worked for Randstad US as a Senior Accountant. In April of 2013,
17 I joined the Service Company as a Senior Analyst, the position I hold today.

18
19 **Q. Have you previously filed testimony or testified before the PUC?**

20 A. Yes. I have submitted pre-filed testimony in the Company's Fiscal Year 2016 Electric

1 Infrastructure, Safety, and Reliability Plan Proposal filing, which the Company filed with
2 the PUC on December 23, 2014.

3
4 **IV. Purpose of Joint Testimony**

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

7 A. The purpose of our joint testimony is to present the Company's estimate of the expense
8 expected to be incurred prior to and during the initial year of the RE Growth Program,
9 established pursuant to the RE Growth Statute, and its proposal for recovery of that
10 expense. Recovery of costs associated with the RE Growth Program are in accordance
11 with RIPUC No. 2153, Renewable Energy Growth Program Cost Recovery Provision,
12 which the Company filed along with its RE Growth Program tariffs and solicitation and
13 enrollment process rules on November 14, 2014, and is currently pending approval by the
14 PUC.

15
16 The RE Growth Statute requires that, three months prior to the beginning of the first RE
17 Growth Program Year, the Company file a forecast of the total prospective net cost of the
18 program for the purpose of proposing factors to recover those net costs.⁴ The net cost is
19 to consist of Performance-Based Incentive (PBI) payments that the Company estimates is
20 likely to be paid to distributed generation (DG) projects participating in the RE Growth

⁴ R.I. Gen. Laws § 39-26.6-25.

1 Program, less any proceeds from the sale of energy, Renewable Energy Certificates
2 (RECs), and any other market products from the DG projects, in the initial RE Growth
3 Program Year, along with any other costs permitted for recovery pursuant to various
4 provisions of the RE Growth Statute. The RE Growth Statute permits the Company to
5 recover the forecasted net aggregate amount through a fixed monthly charge per customer
6 assessed to all distribution customers during the prospective fiscal year. The initial RE
7 Growth Program year will commence April 1, 2015.

8
9 **Q. Is the Company proposing to implement the RE Growth Factor on April 1, 2015?**

10 A. No. The Company is proposing to delay the implementation of the RE Growth Factor
11 until July 1, 2015. In this filing, the Company is providing initial estimates of the
12 expenses that it expects to incur to implement the RE Growth Program tariff provisions
13 and to administer the RE Growth Program during the first Program Year. However, the
14 Company cannot predict with certainty all of the expected expenses at this time. The
15 proposed tariffs, proposed solicitation and enrollment process rules, and ceiling price
16 recommendations recently submitted by the Distributed Generation Board (Board) have
17 not yet been approved by the PUC. In addition, the Company is still in the process of
18 planning for resources, system modifications, training, and other various activities related
19 to implementation and administration of the RE Growth Program. Therefore, the
20 Company is submitting its initial cost estimate for informational purposes and to meet the
21 statutory requirement for providing the cost forecast for the initial RE Growth Program

1 Year. Once the proposed RE Growth Program tariffs, solicitation and enrollment process
2 rules and Board ceiling price recommendations are approved and implemented, the
3 Company proposes to update its estimated RE Growth Program expenses during the
4 month of May 2015 and, based on this updated cost estimate, propose a RE Growth
5 Factor effective July 1, 2015.

6
7 **Q. How is your testimony organized?**

8 A. Section V of our testimony provides an overview of the RE Growth Program Cost
9 Recovery Proposal. Section VI describes the estimated expense the Company expects to
10 incur prior to and during the initial RE Growth Program Year. Section VII explains the
11 calculation of the RE Growth Factor. Section VIII presents illustrative typical bills based
12 upon the initial cost estimates. Section IX concludes the testimony. For purposes of this
13 testimony, any capitalized terms not otherwise defined herein will have the meaning set
14 forth in the RE Growth Statute.

15
16 **V. Overview of the Company's Cost Recovery Proposal**

17 **Q. Please describe the cost recovery provisions of the RE Growth Statute.**

18 A. The RE Growth Statute provides for the recovery of incremental costs associated with the
19 RE Growth Program from all retail delivery service customers through a fixed monthly
20 charge per customer. The Company has proposed its RE Growth Program Cost Recovery
21 Provision tariff in Docket No. 4536 to implement the cost recovery provisions of the RE

1 Growth Statute. Pursuant to the RE Growth Statute, the Company is required to purchase
2 the output generated by DG projects that have been awarded Certificates of Eligibility
3 through the RE Growth Program enrollment process and to compensate program
4 applicants in the form of PBI Payments. In turn, the applicants will assign to the
5 Company title to all energy, capacity, and RECs (collectively, Market Products)
6 generated by the DG projects.⁵ The Company will sell the energy and the RECs as
7 required by the RE Growth Statute. The net proceeds from the sale of the Market
8 Products will be used to offset the cost of the RE Growth Program.

9
10 In addition, the RE Growth Statute authorizes the Company to recover 1.75 percent of the
11 total PBI Payments as remuneration. Finally, certain implementation, administrative and
12 other costs authorized through various sections of the RE Growth Statute will be tracked
13 and recovered annually. These costs are associated with billing system changes, metering
14 for small-scale solar projects, the consultants hired by the Office of Energy Resources
15 (OER) or the Company to perform Ceiling Price studies and other reports or studies as
16 approved by the PUC, and certain other types of costs that will be described in more
17 detail later in this testimony.

18
19 On an annual basis, the Company will reconcile the revenue billed through the RE
20 Growth Factor to the actual expense incurred and the over or under recovery of expense

⁵The Company will purchase only RECs from Residential RE Growth Program participants.

1 will be refunded to or collected from all customers through the RE Growth
2 Reconciliation Factor implemented in a subsequent Program Year. As provided in the
3 Cost Recovery Provision, the RE Growth Factor will remain in effect until adjusted as a
4 result of updated estimates of costs to be recovered over a 12-month period as included in
5 the Company's annual reconciliation filing. If a significant over or under recovery of
6 costs should occur at any time, the Company may submit a request to the PUC to adjust
7 the RE Growth Factor.

8
9 The RE Growth Factor and the RE Growth Reconciliation Factor are proposed to be fixed
10 monthly charges that vary by rate class and will appear together as a single separate line
11 item on customers' bills.

12
13 **Q. Please describe the timing of the cost recovery filings as required by the RE Growth**
14 **Statute.**

15 A. The RE Growth Statute requires the Company to submit the initial cost recovery filing by
16 January 1, 2015, which is three months prior to the beginning of the initial Program
17 Year.⁶ The proposed charges are to be designed to recover the estimated payments likely
18 to paid to DG projects for the first Program Year, which is the period April 1, 2015
19 through March 31, 2016, plus any other costs permitted for recovery pursuant to the RE
20 Growth Statute. The initial charges will remain in effect until the Company's first

⁶ R.I. Gen. Laws § 39-26.6-25.

1 reconciliation filing, which will occur within three months of the end of the first Program
2 Year, or no later than June 30, 2016. Thereafter, the Company will submit annual filings
3 prior to June 30 in which it will reconcile actual costs and revenue to establish the RE
4 Growth Reconciliation Factor and, if appropriate, to propose a new RE Growth Factor.
5 The annual reconciliation filings will include a report along with a forecast of payments
6 and costs for the upcoming Program Year, net of forecasted revenues for the sale of
7 energy, RECs, and any other Market Products from the DG projects participating in the
8 RE Growth Program, and a reconciliation of actual costs and revenue for the prior
9 Program Year.

10
11 **VI. RE Growth Program Estimated Expense for the Initial Program Year**

12 **Q. What is the estimated RE Growth Program expense for the initial Program Year**
13 **beginning April 1, 2015?**

14 A. As indicated on Schedule NG-1, page 1, the Company estimates that approximately \$1.6
15 million may be incurred to implement and administer the RE Growth Program prior to
16 and during the initial Program Year. The \$1.6 million estimated expense includes \$0.5
17 million of projected net costs associated with PBI Payments made to customers
18 participating in the RE Growth Program, approximately \$1.1 million in expected
19 administrative expenses, approximately \$1,054 related to metering expense and
20 approximately \$11,000 in remuneration.

1 **Q. How are the estimated PBI Payments determined?**

2 A. The estimated annual PBI Payments for the first Program Year are shown on Schedule
3 NG-1, page 1, line (1). This amount is calculated by multiplying the assumed PBI
4 associated with each class of DG project by the estimated annual output of the assumed
5 units in that class.

6
7 The detailed calculation is performed on page 3, Section 1 of Schedule NG-1. For the
8 initial Program Year, the Company is only including estimated PBI Payments associated
9 with small scale solar installations. Because of the timeframe necessary to install
10 medium, commercial, and large scale solar projects, as well as other types of renewable
11 generation, the Company expects that, during the first Program Year, only small scale
12 solar units will be operational and receiving PBI Payments. In addition, the Company
13 has made certain assumptions regarding the number of units, the size of the units, and the
14 expected operational dates of units that may participate during the initial Program Year to
15 estimate the expected PBI Payments during the Program Year. Once the total estimated
16 PBI Payments have been calculated, the Company deducts the estimated value of the
17 Market Products it will be selling to determine the net cost to be recovered from
18 customers.

19
20 **Q. How is the estimated value of the Market Products, as shown on Schedule NG-1,**
21 **page 1, Line (2) determined?**

1 A. The estimated value of the Market Products is the sum of the estimated market value of
2 the energy and the RECs produced by each unit. The estimated market value of the
3 energy will be based upon the spot market price estimates included in the Standard Offer
4 Service (SOS) rates for the Commercial SOS group, as adjusted for estimates of capacity
5 and ancillary services. The market value of the RECs will be estimated using the same
6 market price estimate of new RECs that is used to develop the Renewable Energy
7 Standard charge, which is filed for PUC approval each year in February. The Company
8 uses a very similar methodology to value the products purchased through long-term
9 contracts to determine the above-market cost recovered from customers through the
10 Long-Term Contracting for Renewable Energy Recovery Factor.

11
12 The calculation of the estimated value of the Market Products is shown in detail in
13 Schedule NG-1, page 3, Section 2. Pursuant to the RE Growth Statute, and the proposed
14 RE Growth Program Tariff for Residential Customers, RIPUC No. 2151, the Company
15 will purchase RECs, but not energy, from customers with small scale solar installations.
16 Therefore, only proceeds from the sale of RECs associated with residential small scale
17 solar installations are reflected in Section 2 of Schedule NG-1.

18
19 **Q. What is the estimated net cost of PBI Payments to be recovered from all customers**
20 **during the initial Program Year?**

21 A. As shown on Schedule NG-1, page 1, Line (3), the estimated net cost of PBI Payments

1 during the initial Program Year is \$495,542.

2
3 **Q. Please describe the implementation and administrative costs and other costs to be**
4 **recovered through the RE Growth Factors.**

5 A. The proposed RE Growth Program Cost Recovery Provision provides for the recovery of
6 the following incremental costs as authorized by the RE Growth Statute:

7
8 (1) The revenue requirement on RE Growth capital investment for the installation
9 of separate meters for small-scale solar projects (R.I. Gen. Laws § 39-26.6-18);

10
11 (2) The incremental expense the Company incurs to meet program objectives and
12 to make billing system improvements to achieve the goals of the RE Growth
13 Program (R.I. Gen. Laws § 39-26.6-13);

14
15 (3) The costs incurred for consultants hired by the OER or the Company and
16 approved by the PUC to perform ceiling price studies and other reports or studies
17 as approved by the PUC (R.I. Gen. Laws § 39-26.6-4); and

18
19 (4) forfeited Performance Guarantee Deposits, which will be an offset to expense
20 (R.I. Gen. Laws § 39-26.2-7(2)(iv) as incorporated by R.I. Gen. Laws § 39-26.6-
21 5)).

1 **Q. Please describe the implementation and administrative costs that the Company has**
2 **incurred or expects to incur to implement and administer the RE Growth Program**
3 **during the initial Program Year.**

4 A. The implementation and administrative costs that the Company expects to incur prior to
5 and during the initial Program Year include the costs of additional full time employees
6 and/or contract employees that will be hired for the purposes of implementing and
7 administering the RE Growth Program. In addition, the Company will incur costs to
8 make modifications to its billing system necessary to apply PBI Payments and bill credits
9 to the bills of customers participating in the RE Growth Program. Finally, the Company
10 has incurred expenses for the consultant hired by the OER to make recommendations
11 regarding ceiling prices for each of the renewable energy classes included for
12 participation in the RE Growth Program.

13
14 **Q. What is the estimated expense associated with added resources to administer the RE**
15 **Growth Program?**

16 A. The Company estimates that it will incur approximately \$300,000 prior to and during the
17 initial Program Year in incremental employee-related expenses associated with four new
18 resources expected to be added to implement and administer the RE Growth Program.
19 Schedule NG-1, page 4 provides the detailed calculation of the cost estimate related to
20 the incremental resources, including the expected base salary of the new resource, the
21 expected time that the resource will devote to the RE Growth Program, plus the

1 applicable Company overheads.

2
3 **Q. Does the Company expect to hire additional resources beyond the four included in**
4 **the initial Program Year labor expense?**

5 A. The Company will determine whether it is necessary to hire additional labor resources to
6 implement and administer the RE Growth Program once the Company has gained
7 experience in implementing and administering the program during the initial Program
8 Year.

9
10 **Q. Please describe in general terms the job responsibilities of the new resources**
11 **expected to be added.**

12 A. The new resources needed to implement and administer the RE Growth Program will
13 perform various functions and activities related to the program. In general, activities will
14 include:

- 15 • Review, approve, and process program applications;
- 16 • Provide technical assistance and support to Labs and Testing and Meter
17 staffs;
- 18 • Provide analytical support, analyze and collect data, and create and
19 monitor reports;
- 20 • Order and track meter exchanges; and

- 1 • Respond to incoming customer calls and emails.

2

3 **Q. What are the estimated billing system implementation costs?**

4 A. The Company estimates that it will incur approximately \$750,000 to modify its billing
5 system to implement the changes necessary to deliver PBI Payments to RE Growth
6 Program participants.

7

8 **Q. How are the estimated meter costs determined?**

9 A. Annual meter investment recovery will be the annual revenue requirement related to the
10 cumulative capital investment in meters installed on small scale solar generation units.
11 An illustrative calculation is included in Schedule NG-2.

12

13 **Q. What costs have been incurred to date for consultants hired by the OER?**

14 A. The Company received an invoice on October 21, 2014 in the amount of \$10,140 from
15 the OER. On December 15, 2014, the Company received a second invoice in the
16 amount of \$30,420 from the OER. As stated on the invoices, the funds were to be used
17 for 2015 ceiling price services development.

18

19 **Q. Please describe the calculation of the estimated remuneration.**

20 A. The remuneration is calculated as the total estimated PBI Payments multiplied by 1.75
21 percent. This calculation is shown in Schedule NG-1, page 1, line (6).

1 **VII. Calculation of Illustrative Rate Class RE Growth Factors**

2 **Q. How are the individual rate class RE Growth Factors calculated?**

3 A. Schedule NG-1, page 2, provides the calculation of illustrative rate class RE Growth
4 Factors based upon the estimated RE Growth Program expense that the Company expects
5 to incur prior to and during the initial Program Year.

6
7 Once the estimated expense for each Program Year has been determined, the expected
8 cost is allocated to each rate class based on a rate base allocator utilized in the allocated
9 cost of service study approved in the Company's most recent general rate case⁷. The
10 allocated amounts for each rate class are divided by the forecasted number of bills during
11 the year to determine the monthly charge for each rate class. For the outdoor lighting
12 classes, Rates S-05, S-06, S-10, and S-14, the allocated amount is divided by the
13 estimated number of individual lights to determine the monthly charge applicable to these
14 rate classes.

15
16 As indicated previously, the Company is proposing that implementation of the RE
17 Growth Factors be delayed until July 1, 2015. Therefore, the RE Growth Factors
18 calculated on Schedule NG-1, page 2 are presented for illustrative purposes.

19
20

⁷ RIPUC Docket No. 4323.

1 **VIII. Typical Bill Analysis**

2 **Q. Has the Company performed a typical bill analysis to demonstrate the impact of the**
3 **illustrative RE Growth Factors?**

4 A. Yes. Schedule NG-3 includes a typical bill analysis showing the impact of the illustrative
5 RE Growth Factors on the monthly bills of each of the Company's rate classes. As
6 shown on page 1 of Schedule NG-3, the monthly bill of a residential SOS customer using
7 500 kWh per month would increase by \$0.17 per month, or approximately 0.2%.

8

9 **IX. Conclusion**

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

11 A. Yes.

The Narragansett Electric Company
d/b/a National Grid
R.I.P.U.C. Docket No. ____
Schedules of
Corinne M. DiDomenico
Jeanne A. Lloyd
and Amy S. Tabor

Schedule NG-1

**Renewable Energy Growth Program Cost Recovery
Factor Calculation
Illustrative for the Initial Program Year April 1, 2015 through March 31, 2016**

(1) Estimated Performance-Based Incentive Payments	\$609,597
(2) less: Value of Market Products	<u>\$114,055</u>
(3) Net Cost	\$495,542
(4) Estimated Administrative Expense	\$1,090,460
(5) Revenue Requirement - Meter Investment	\$1,054
(6) Estimated Remuneration	<u>\$10,668</u>
(7) Total Estimated RE Growth Expense	\$1,597,724

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

Illustrative Renewable Energy Growth Program Factors

Line No.	<u>Total</u> (a)	<u>Residential</u> <u>A16 / A60</u> (b)	<u>Small</u> <u>Commercial &</u> <u>Industrial</u> <u>C-06</u> (c)	<u>General</u> <u>Commercial &</u> <u>Industrial</u> <u>G-02</u> (d)	<u>Large Demanc</u> <u>B32 / G32</u> (e)	<u>Optional Large</u> <u>Demand</u> <u>B62 / G62</u> (f)	<u>Street Lighting</u> <u>S10 / S14</u> (g)
(1) Projected Renewable Energy Growth Expens	\$1,597,724						
(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	\$1,597,724	\$843,291	\$155,131	\$234,537	\$220,859	\$60,608	\$83,297
(5) Forecasted Number of Bills	7,162,273	5,243,935	616,196	103,064	13,445	189	1,185,444
(6) Proposed REGP Factor - monthly per bill charge		\$0.16	\$0.25	\$2.27	\$16.42	\$320.67	\$0.07
(7) Uncollectible Percentage	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%
(8) Illustratvie RE Growth Factors		\$0.16	\$0.25	\$2.30	\$16.63	\$324.73	\$0.07

Line Descriptions:

- (1) Page 1, Line (7)
- (2) per R.I.P.U.C. 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, 20
- (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
Illustrative for the Initial Program Year April 1, 2015 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 Twelve-Month Output (kWh)</u> (d)	<u>Tariff Price (\$ per kWh)</u> (e)	<u>Estimated Twelve-Month Cost</u> (f)
Small Scale Solar - HO (1)	7.5	100	14%	459,900	\$0.40	\$183,960
Small Scale Solar - TPO (1)	7.5	100	14%	459,900	\$0.33	\$151,537
Small Scale Solar II (1)	20.0	75	14%	<u>919,800</u>	\$0.30	<u>\$274,100</u>
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)
Small Scale Solar - HO (1)	459,900	n/a	n/a	\$0.062	\$28,514	\$28,514
Small Scale Solar - TPO (1)	459,900	n/a	n/a	\$0.062	\$28,514	\$28,514
Small Scale Solar II (1)	919,800	n/a	n/a	\$0.062	<u>\$57,028</u>	<u>\$57,028</u>
Total			\$0		\$114,055	\$114,055

Section 3: Estimated Net Cost

	<u>Estimated Net Cost</u> (m)
Small Scale Solar - HO (1)	\$155,446
Small Scale Solar - TPO (1)	\$123,023
Small Scale Solar II (1)	<u>\$217,073</u>
Total Estimated Above (Below) Market Cost	\$495,542

(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 | (i) column (g) x column (h) |
| (b) commercially operable units | (j) REC price estimate based on most recent market information |
| (c) estimated | (k) column (g) x column (j) |
| (d) column (a) x column (b) x column (c) x (8,760 ÷ 2) hours | (l) column (i) + column (k) |
| (e) per tariff | (m) column (f) - column (l) |
| (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 | |

Summary of Annual Administrative Expenses

(1)	Bill System Modifications	\$750,000
(2)	Incremental Labor Resources (1)	\$299,900
(3)	DG Board Expense	<u>\$40,560</u>
(4)	Total	\$1,090,460

Line No.

- (1) Estimate
- (2) Footnote (1) below
- (3) per Invoice
- (4) Line (1) + Line (2) + Line (3)

(1) Detail of Incremental Labor Resources

	Lab & Testing	Analysis and Support	Customer Solutions	Energy Procurement	Total	
(1)	New Full Time Employees	1	1	1	4	
(2)	Average Salary	\$100,000	\$60,000	\$72,800	\$60,000	
(3)	Percent Dedicated to Re Growth	35.00%	100.00%	50.00%	100.00%	
(4)	Annual Labor Expense	\$35,000	\$60,000	\$36,400	\$60,000	\$191,400
(5)	Overhead rate	70.00%	70.00%	0.00%	70.00%	
(6)	Total Annual Incremental Expense	\$59,500	\$102,000	\$36,400	\$102,000	\$299,900

Line No.

- (1) Estimated
- (2) Estimated
- (3) Estimated
- (4) Line (2) x Line (3)
- (5) Company Labor Overheads, excluding pension & PBOP (Customer Solutions resource will be contractor - no overheads applied)
- (6) Line (4) x (1 + Line (5))

The Narragansett Electric Company
d/b/a National Grid
R.I.P.U.C. Docket No. ____
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	Total Net Plant in Service		\$16,500
<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	Annual Revenue Requirement		\$1,054

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
R.I.P.U.C. Docket No. ____
Schedules of
Corinne M. DiDomenico
Jeanne A. Lloyd
and Amy S. Tabor

Schedule NG-3

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	\$33.82	\$16.76	\$17.06	\$33.99	\$16.76	\$17.23	\$0.17	0.5%	13.7%
300	\$61.67	\$33.53	\$28.15	\$61.84	\$33.53	\$28.31	\$0.17	0.3%	17.5%
400	\$80.24	\$44.70	\$35.54	\$80.41	\$44.70	\$35.71	\$0.17	0.2%	11.8%
500	\$98.81	\$55.88	\$42.93	\$98.98	\$55.88	\$43.10	\$0.17	0.2%	10.8%
600	\$117.38	\$67.05	\$50.33	\$117.54	\$67.05	\$50.49	\$0.17	0.1%	9.4%
700	\$135.94	\$78.23	\$57.72	\$136.11	\$78.23	\$57.88	\$0.17	0.1%	7.7%
1,200	\$228.78	\$134.10	\$94.68	\$228.95	\$134.10	\$94.85	\$0.17	0.1%	15.0%
2,000	\$377.32	\$223.50	\$153.82	\$377.49	\$223.50	\$153.99	\$0.17	0.0%	14.1%

Present Rates

Customer Charge		\$5.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02221
Distribution Energy Charge	kWh x	\$0.03821
Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	-\$0.00024
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.10728

Proposed Rates

Customer Charge		\$5.00
RE Growth Factor		\$0.16
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02221
Distribution Energy Charge	kWh x	\$0.03821
Proposed Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	-\$0.00024
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.10728

Note (1): includes the base Standard Offer Service Charge of 9.922¢/kWh, the Standard Offer Service Adjustment Charge of 0.171¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.155¢/kWh and the Renewable Energy Standard Charge of 0.480¢/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	\$26.51	\$16.76	\$9.75	\$26.68	\$16.76	\$9.92	\$0.17	0.6%	10.7%
300	\$52.25	\$33.53	\$18.73	\$52.42	\$33.53	\$18.90	\$0.17	0.3%	23.2%
400	\$69.42	\$44.70	\$24.72	\$69.59	\$44.70	\$24.89	\$0.17	0.2%	14.9%
500	\$86.58	\$55.88	\$30.71	\$86.75	\$55.88	\$30.88	\$0.17	0.2%	12.2%
600	\$103.75	\$67.05	\$36.70	\$103.92	\$67.05	\$36.87	\$0.17	0.2%	9.6%
700	\$120.91	\$78.23	\$42.69	\$121.08	\$78.23	\$42.85	\$0.17	0.1%	7.3%
1,200	\$206.74	\$134.10	\$72.64	\$206.90	\$134.10	\$72.80	\$0.16	0.1%	12.3%
2,000	\$344.05	\$223.50	\$120.55	\$344.22	\$223.50	\$120.72	\$0.17	0.0%	9.8%

Present Rates

Customer Charge		\$0.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02221
Distribution Energy Charge	kWh x	\$0.02474
Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.10728

Proposed Rates

Customer Charge		\$0.00
RE Growth Factor		\$0.16
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02221
Distribution Energy Charge	kWh x	\$0.02474
Proposed Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.10728

Note (1): includes the base Standard Offer Service Charge of 9.922¢/kWh, the Standard Offer Service Adjustment Charge of 0.171¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.155¢/kWh and the Renewable Energy Standard Charge of 0.480¢/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	\$59.68	\$31.61	\$28.07	\$59.94	\$31.61	\$28.33	\$0.26	0.4%	35.2%
500	\$108.18	\$63.22	\$44.96	\$108.44	\$63.22	\$45.22	\$0.26	0.2%	17.0%
1,000	\$205.19	\$126.45	\$78.74	\$205.45	\$126.45	\$79.00	\$0.26	0.1%	19.0%
1,500	\$302.19	\$189.67	\$112.52	\$302.45	\$189.67	\$112.78	\$0.26	0.1%	9.8%
2,000	\$399.20	\$252.90	\$146.30	\$399.46	\$252.90	\$146.56	\$0.26	0.1%	19.1%

Present Rates

Customer Charge		\$10.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02003
Distribution Energy Charge	kWh x	\$0.03428
Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.12139

Proposed Rates

Customer Charge		\$10.00
RE Growth Factor		\$0.25
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02003
Distribution Energy Charge	kWh x	\$0.03428
Proposed Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.12139

Note (1): includes the base Standard Offer Service Charge of 11.127¢/kWh, the Standard Offer Service Adjustment Charge of 0.370¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.162¢/kWh and the Renewable Energy Standard Charge of 0.480¢/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	\$861.22	\$505.79	\$355.43	\$863.61	\$505.79	\$357.82	\$2.39	0.3%
50	10,000	\$2,017.84	\$1,264.48	\$753.36	\$2,020.24	\$1,264.48	\$755.76	\$2.40	0.1%
100	20,000	\$3,945.55	\$2,528.96	\$1,416.59	\$3,947.95	\$2,528.96	\$1,418.99	\$2.40	0.1%
150	30,000	\$5,873.26	\$3,793.44	\$2,079.82	\$5,875.66	\$3,793.44	\$2,082.22	\$2.40	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	\$0.00768
Distribution Demand Charge-xcs 10 kW	kW x	\$4.92
Distribution Energy Charge	kWh x	\$0.00574
Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.12139

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.30
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00768
Distribution Demand Charge-xcs 10 kW	kW x	\$4.92
Distribution Energy Charge	kWh x	\$0.00574
Proposed Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.12139

Note (1): includes the base Standard Offer Service Charge of 11.127¢/kWh, the Standard Offer Service Adjustment Charge of 0.370¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.162¢/kWh and the Renewable Energy Standard Charge of 0.480¢/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	\$1,164.05	\$758.69	\$405.36	\$1,166.45	\$758.69	\$407.76	\$2.40	0.2%
50	15,000	\$2,774.93	\$1,896.72	\$878.21	\$2,777.32	\$1,896.72	\$880.60	\$2.39	0.1%
100	30,000	\$5,459.72	\$3,793.44	\$1,666.28	\$5,462.12	\$3,793.44	\$1,668.68	\$2.40	0.0%
150	45,000	\$8,144.51	\$5,690.16	\$2,454.35	\$8,146.91	\$5,690.16	\$2,456.75	\$2.40	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	\$0.00768
Distribution Demand Charge-xcs 10 kW	kW x	\$4.92
Distribution Energy Charge	kWh x	\$0.00574
Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.30
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00768
Distribution Demand Charge-xcs 10 kW	kW x	\$4.92
Distribution Energy Charge	kWh x	\$0.00574
Proposed Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)

Gross Earnings Tax 4.00%

Gross Earnings Tax 4.00%

Standard Offer Charge (1) kWh x \$0.12139

Standard Offer Charge (1) kWh x \$0.12139

Note (1): includes the base Standard Offer Service Charge of 11.127¢/kWh, the Standard Offer Service Adjustment Charge of 0.370¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.162¢/kWh and the Renewable Energy Standard Charge of 0.480¢/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	\$1,466.88	\$1,011.58	\$455.30	\$1,469.28	\$1,011.58	\$457.70	\$2.40	0.2%
50	20,000	\$3,532.01	\$2,528.96	\$1,003.05	\$3,534.41	\$2,528.96	\$1,005.45	\$2.40	0.1%
100	40,000	\$6,973.89	\$5,057.92	\$1,915.97	\$6,976.28	\$5,057.92	\$1,918.36	\$2.39	0.0%
150	60,000	\$10,415.77	\$7,586.88	\$2,828.89	\$10,418.16	\$7,586.88	\$2,831.28	\$2.39	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	\$0.00768
Distribution Demand Charge-xcs 10 kW	kW x	\$4.92
Distribution Energy Charge	kWh x	\$0.00574
Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.12139

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.30
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00768
Distribution Demand Charge-xcs 10 kW	kW x	\$4.92
Distribution Energy Charge	kWh x	\$0.00574
Proposed Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.12139

Note (1): includes the base Standard Offer Service Charge of 11.127¢/kWh, the Standard Offer Service Adjustment Charge of 0.370¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.162¢/kWh and the Renewable Energy Standard Charge of 0.480¢/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	\$1,769.72	\$1,264.48	\$505.24	\$1,772.12	\$1,264.48	\$507.64	\$2.40	0.1%
50	25,000	\$4,289.10	\$3,161.20	\$1,127.90	\$4,291.49	\$3,161.20	\$1,130.29	\$2.39	0.1%
100	50,000	\$8,488.06	\$6,322.40	\$2,165.66	\$8,490.45	\$6,322.40	\$2,168.05	\$2.39	0.0%
150	75,000	\$12,687.01	\$9,483.59	\$3,203.42	\$12,689.40	\$9,483.59	\$3,205.81	\$2.39	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	\$0.00768
Distribution Demand Charge-xcs 10 kW	kW x	\$4.92
Distribution Energy Charge	kWh x	\$0.00574
Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.12139

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.30
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00768
Distribution Demand Charge-xcs 10 kW	kW x	\$4.92
Distribution Energy Charge	kWh x	\$0.00574
Proposed Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.12139

Note (1): includes the base Standard Offer Service Charge of 11.127¢/kWh, the Standard Offer Service Adjustment Charge of 0.370¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.162¢/kWh and the Renewable Energy Standard Charge of 0.480¢/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	\$2,072.56	\$1,517.38	\$555.18	\$2,074.95	\$1,517.38	\$557.57	\$2.39	0.1%
50	30,000	\$5,046.18	\$3,793.44	\$1,252.74	\$5,048.58	\$3,793.44	\$1,255.14	\$2.40	0.0%
100	60,000	\$10,002.22	\$7,586.88	\$2,415.34	\$10,004.62	\$7,586.88	\$2,417.74	\$2.40	0.0%
150	90,000	\$14,958.26	\$11,380.31	\$3,577.95	\$14,960.65	\$11,380.31	\$3,580.34	\$2.39	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	\$0.00768
Distribution Demand Charge-xcs 10 kW	kW x	\$4.92
Distribution Energy Charge	kWh x	\$0.00574
Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.12139

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.30
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00768
Distribution Demand Charge-xcs 10 kW	kW x	\$4.92
Distribution Energy Charge	kWh x	\$0.00574
Proposed Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)
Gross Earnings Tax		4.00%
Standard Offer Charge (1)	kWh x	\$0.12139

Note (1): includes the base Standard Offer Service Charge of 11.127¢/kWh, the Standard Offer Service Adjustment Charge of 0.370¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.162¢/kWh and the Renewable Energy Standard Charge of 0.480¢/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	\$10,124.31	\$7,537.92	\$2,586.39	\$10,141.63	\$7,537.92	\$2,603.71	\$17.32	0.2%
750	150,000	\$37,760.66	\$28,267.19	\$9,493.47	\$37,777.98	\$28,267.19	\$9,510.79	\$17.32	0.0%
1,000	200,000	\$50,322.63	\$37,689.58	\$12,633.05	\$50,339.96	\$37,689.58	\$12,650.38	\$17.33	0.0%
1,500	300,000	\$75,446.60	\$56,534.38	\$18,912.22	\$75,463.92	\$56,534.38	\$18,929.54	\$17.32	0.0%
2,500	500,000	\$125,694.51	\$94,223.96	\$31,470.55	\$125,711.84	\$94,223.96	\$31,487.88	\$17.33	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	\$0.00774
Distribution Demand Charge - > 200 kW	kW x	\$3.77
Distribution Energy Charge	kWh x	\$0.00614
Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)
Gross Earnings Tax		4%
Standard Offer Charge (1)	kWh x	\$0.18091

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$16.63
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00774
Distribution Demand Charge - > 200 kW	kW x	\$3.77
Distribution Energy Charge	kWh x	\$0.00614
Proposed Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)
Gross Earnings Tax		4%
Standard Offer Charge (1)	kWh x	\$0.18091

Note (1): includes an average of the base Standard Offer Service Charge for January 2015 through March 2015 of 17.832¢/kWh, the Standard Offer Service Adjustment Charge of (0.360¢)/kWh, the Standard Offer Service Administrative Cost Factor of 0.139¢/kWh and the Renewable Energy Standard Charge of 0.480¢/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	\$14,402.22	\$11,306.88	\$3,095.34	\$14,419.55	\$11,306.88	\$3,112.67	\$17.33	0.1%
750	225,000	\$53,802.84	\$42,400.78	\$11,402.06	\$53,820.17	\$42,400.78	\$11,419.39	\$17.33	0.0%
1,000	300,000	\$71,712.22	\$56,534.38	\$15,177.84	\$71,729.55	\$56,534.38	\$15,195.17	\$17.33	0.0%
1,500	450,000	\$107,530.97	\$84,801.56	\$22,729.41	\$107,548.29	\$84,801.56	\$22,746.73	\$17.32	0.0%
2,500	750,000	\$179,168.47	\$141,335.94	\$37,832.53	\$179,185.79	\$141,335.94	\$37,849.85	\$17.32	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	\$0.00774
Distribution Demand Charge - > 200 kW	kW x	\$3.77
Distribution Energy Charge	kWh x	\$0.00614
Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$16.63
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00774
Distribution Demand Charge - > 200 kW	kW x	\$3.77
Distribution Energy Charge	kWh x	\$0.00614
Proposed Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)

Gross Earnings Tax 4%

Gross Earnings Tax 4%

Standard Offer Charge (1) kWh x \$0.18091

Standard Offer Charge (1) kWh x \$0.18091

Note (1): includes an average of the base Standard Offer Service Charge for January 2015 through March 2015 of 17.832¢/kWh, the Standard Offer Service Adjustment Charge of (0.360¢)/kWh, the Standard Offer Service Administrative Cost Factor of 0.139¢/kWh and the Renewable Energy Standard Charge of 0.480¢/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	\$18,680.13	\$15,075.83	\$3,604.30	\$18,697.46	\$15,075.83	\$3,621.63	\$17.33	0.1%
750	300,000	\$69,845.04	\$56,534.38	\$13,310.66	\$69,862.36	\$56,534.38	\$13,327.98	\$17.32	0.0%
1,000	400,000	\$93,101.81	\$75,379.17	\$17,722.64	\$93,119.13	\$75,379.17	\$17,739.96	\$17.32	0.0%
1,500	600,000	\$139,615.34	\$113,068.75	\$26,546.59	\$139,632.67	\$113,068.75	\$26,563.92	\$17.33	0.0%
2,500	1,000,000	\$232,642.43	\$188,447.92	\$44,194.51	\$232,659.75	\$188,447.92	\$44,211.83	\$17.32	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	\$0.00774
Distribution Demand Charge - > 200 kW	kW x	\$3.77
Distribution Energy Charge	kWh x	\$0.00614
Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)
Gross Earnings Tax		4%
Standard Offer Charge (1)	kWh x	\$0.18091

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$16.63
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00774
Distribution Demand Charge - > 200 kW	kW x	\$3.77
Distribution Energy Charge	kWh x	\$0.00614
Proposed Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)
Gross Earnings Tax		4%
Standard Offer Charge (1)	kWh x	\$0.18091

Note (1): includes an average of the base Standard Offer Service Charge for January 2015 through March 2015 of 17.832¢/kWh, the Standard Offer Service Adjustment Charge of (0.360¢)/kWh, the Standard Offer Service Administrative Cost Factor of 0.139¢/kWh and the Renewable Energy Standard Charge of 0.480¢/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	\$22,958.05	\$18,844.79	\$4,113.26	\$22,975.37	\$18,844.79	\$4,130.58	\$17.32	0.1%
750	375,000	\$85,887.22	\$70,667.97	\$15,219.25	\$85,904.54	\$70,667.97	\$15,236.57	\$17.32	0.0%
1,000	500,000	\$114,491.39	\$94,223.96	\$20,267.43	\$114,508.71	\$94,223.96	\$20,284.75	\$17.32	0.0%
1,500	750,000	\$171,699.72	\$141,335.94	\$30,363.78	\$171,717.04	\$141,335.94	\$30,381.10	\$17.32	0.0%
2,500	1,250,000	\$286,116.39	\$235,559.90	\$50,556.49	\$286,133.71	\$235,559.90	\$50,573.81	\$17.32	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	\$0.00774
Distribution Demand Charge - > 200 kW	kW x	\$3.77
Distribution Energy Charge	kWh x	\$0.00614
Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)

Gross Earnings Tax 4%

Standard Offer Charge (1) kWh x \$0.18091

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$16.63
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00774
Distribution Demand Charge - > 200 kW	kW x	\$3.77
Distribution Energy Charge	kWh x	\$0.00614
Proposed Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)

Gross Earnings Tax 4%

Standard Offer Charge (1) kWh x \$0.18091

Note (1): includes an average of the base Standard Offer Service Charge for January 2015 through March 2015 of 17.832¢/kWh, the Standard Offer Service Adjustment Charge of (0.360¢)/kWh, the Standard Offer Service Administrative Cost Factor of 0.139¢/kWh and the Renewable Energy Standard Charge of 0.480¢/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	\$27,235.97	\$22,613.75	\$4,622.22	\$27,253.29	\$22,613.75	\$4,639.54	\$17.32	0.1%
750	450,000	\$101,929.40	\$84,801.56	\$17,127.84	\$101,946.73	\$84,801.56	\$17,145.17	\$17.33	0.0%
1,000	600,000	\$135,880.97	\$113,068.75	\$22,812.22	\$135,898.29	\$113,068.75	\$22,829.54	\$17.32	0.0%
1,500	900,000	\$203,784.10	\$169,603.13	\$34,180.97	\$203,801.42	\$169,603.13	\$34,198.29	\$17.32	0.0%
2,500	1,500,000	\$339,590.35	\$282,671.88	\$56,918.47	\$339,607.67	\$282,671.88	\$56,935.79	\$17.32	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	\$0.00774
Distribution Demand Charge - > 200 kW	kW x	\$3.77
Distribution Energy Charge	kWh x	\$0.00614
Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)

Gross Earnings Tax 4%

Standard Offer Charge (1) kWh x \$0.18091

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$16.63
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00774
Distribution Demand Charge - > 200 kW	kW x	\$3.77
Distribution Energy Charge	kWh x	\$0.00614
Proposed Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)

Gross Earnings Tax 4%

Standard Offer Charge (1) kWh x \$0.18091

Note (1): includes an average of the base Standard Offer Service Charge for January 2015 through March 2015 of 17.832¢/kWh, the Standard Offer Service Adjustment Charge of (0.360¢)/kWh, the Standard Offer Service Administrative Cost Factor of 0.139¢/kWh and the Renewable Energy Standard Charge of 0.480¢/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	\$163,840.34	\$113,068.75	\$50,771.59	\$164,263.26	\$113,068.75	\$51,194.51	\$422.92	0.3%
5,000	1,000,000	\$261,261.18	\$188,447.92	\$72,813.26	\$261,684.10	\$188,447.92	\$73,236.18	\$422.92	0.2%
7,500	1,500,000	\$383,037.22	\$282,671.88	\$100,365.34	\$383,460.14	\$282,671.88	\$100,788.26	\$422.92	0.1%
10,000	2,000,000	\$504,813.26	\$376,895.83	\$127,917.43	\$505,236.17	\$376,895.83	\$128,340.34	\$422.91	0.1%
20,000	4,000,000	\$991,917.43	\$753,791.67	\$238,125.76	\$992,340.35	\$753,791.67	\$238,548.68	\$422.92	0.0%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.01070
Distribution Demand Charge	kW x	\$3.34
Distribution Energy Charge	kWh x	(\$0.00015)
Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)

Gross Earnings Tax 4%

Standard Offer Charge (1) kWh x \$0.18091

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$324.73
LIHEAP Charge		\$82.00
Proposed Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.01070
Distribution Demand Charge	kW x	\$3.34
Distribution Energy Charge	kWh x	(\$0.00015)
Proposed Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kW x	(\$0.00024)

Gross Earnings Tax 4%

Standard Offer Charge (1) kWh x \$0.18091

Note (1): includes an average of the base Standard Offer Service Charge for January 2015 through March 2015 of 17.832¢/kWh, the Standard Offer Service Adjustment Charge of (0.360¢)/kWh, the Standard Offer Service Administrative Cost Factor of 0.139¢/kWh and the Renewable Energy Standard Charge of 0.480¢/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	\$226,968.47	\$169,603.13	\$57,365.34	\$227,391.39	\$169,603.13	\$57,788.26	\$422.92	0.2%
5,000	1,500,000	\$366,474.72	\$282,671.88	\$83,802.84	\$366,897.64	\$282,671.88	\$84,225.76	\$422.92	0.1%
7,500	2,250,000	\$540,857.53	\$424,007.81	\$116,849.72	\$541,280.45	\$424,007.81	\$117,272.64	\$422.92	0.1%
10,000	3,000,000	\$715,240.34	\$565,343.75	\$149,896.59	\$715,663.26	\$565,343.75	\$150,319.51	\$422.92	0.1%
20,000	6,000,000	\$1,412,771.59	\$1,130,687.50	\$282,084.09	\$1,413,194.51	\$1,130,687.50	\$282,507.01	\$422.92	0.0%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.01070
Distribution Demand Charge	kW x	\$3.34
Distribution Energy Charge	kWh x	(\$0.00015)
Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)
Gross Earnings Tax		4%
Standard Offer Charge (1)	kWh x	\$0.18091

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$324.73
LIHEAP Charge		\$82.00
Proposed Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.01070
Distribution Demand Charge	kW x	\$3.34
Distribution Energy Charge	kWh x	(\$0.00015)
Proposed Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)
Gross Earnings Tax		4%
Standard Offer Charge (1)	kWh x	\$0.18091

Note (1): includes an average of the base Standard Offer Service Charge for January 2015 through March 2015 of 17.832¢/kWh, the Standard Offer Service Adjustment Charge of (0.360¢)/kWh, the Standard Offer Service Administrative Cost Factor of 0.139¢/kWh and the Renewable Energy Standard Charge of 0.480¢/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	\$290,096.59	\$226,137.50	\$63,959.09	\$290,519.51	\$226,137.50	\$64,382.01	\$422.92	0.1%
5,000	2,000,000	\$471,688.26	\$376,895.83	\$94,792.43	\$472,111.17	\$376,895.83	\$95,215.34	\$422.91	0.1%
7,500	3,000,000	\$698,677.84	\$565,343.75	\$133,334.09	\$699,100.76	\$565,343.75	\$133,757.01	\$422.92	0.1%
10,000	4,000,000	\$925,667.43	\$753,791.67	\$171,875.76	\$926,090.35	\$753,791.67	\$172,298.68	\$422.92	0.0%
20,000	8,000,000	\$1,833,625.76	\$1,507,583.33	\$326,042.43	\$1,834,048.67	\$1,507,583.33	\$326,465.34	\$422.91	0.0%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.01070
Distribution Demand Charge	kW x	\$3.34
Distribution Energy Charge	kWh x	(\$0.00015)
Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)
Gross Earnings Tax		4%
Standard Offer Charge (1)	kWh x	\$0.18091

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$324.73
LIHEAP Charge		\$82.00
Proposed Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.01070
Distribution Demand Charge	kW x	\$3.34
Distribution Energy Charge	kWh x	(\$0.00015)
Proposed Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)
Gross Earnings Tax		4%
Standard Offer Charge (1)	kWh x	\$0.18091

Note (1): includes an average of the base Standard Offer Service Charge for January 2015 through March 2015 of 17.832¢/kWh, the Standard Offer Service Adjustment Charge of (0.360¢)/kWh, the Standard Offer Service Administrative Cost Factor of 0.139¢/kWh and the Renewable Energy Standard Charge of 0.480¢/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	\$353,224.72	\$282,671.88	\$70,552.84	\$353,647.64	\$282,671.88	\$70,975.76	\$422.92	0.1%
5,000	2,500,000	\$576,901.80	\$471,119.79	\$105,782.01	\$577,324.72	\$471,119.79	\$106,204.93	\$422.92	0.1%
7,500	3,750,000	\$856,498.16	\$706,679.69	\$149,818.47	\$856,921.08	\$706,679.69	\$150,241.39	\$422.92	0.0%
10,000	5,000,000	\$1,136,094.51	\$942,239.58	\$193,854.93	\$1,136,517.42	\$942,239.58	\$194,277.84	\$422.91	0.0%
20,000	10,000,000	\$2,254,479.93	\$1,884,479.17	\$370,000.76	\$2,254,902.85	\$1,884,479.17	\$370,423.68	\$422.92	0.0%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.01070
Distribution Demand Charge	kW x	\$3.34
Distribution Energy Charge	kWh x	(\$0.00015)
Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)

Gross Earnings Tax 4%

Standard Offer Charge (1) kWh x \$0.18091

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$324.73
LIHEAP Charge		\$82.00
Proposed Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.01070
Distribution Demand Charge	kW x	\$3.34
Distribution Energy Charge	kWh x	(\$0.00015)
Proposed Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)

Gross Earnings Tax 4%

Standard Offer Charge (1) kWh x \$0.18091

Note (1): includes an average of the base Standard Offer Service Charge for January 2015 through March 2015 of 17.832¢/kWh, the Standard Offer Service Adjustment Charge of (0.360¢)/kWh, the Standard Offer Service Administrative Cost Factor of 0.139¢/kWh and the Renewable Energy Standard Charge of 0.480¢/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	\$416,352.84	\$339,206.25	\$77,146.59	\$416,775.76	\$339,206.25	\$77,569.51	\$422.92	0.1%
5,000	3,000,000	\$682,115.34	\$565,343.75	\$116,771.59	\$682,538.26	\$565,343.75	\$117,194.51	\$422.92	0.1%
7,500	4,500,000	\$1,014,318.47	\$848,015.63	\$166,302.84	\$1,014,741.39	\$848,015.63	\$166,725.76	\$422.92	0.0%
10,000	6,000,000	\$1,346,521.59	\$1,130,687.50	\$215,834.09	\$1,346,944.51	\$1,130,687.50	\$216,257.01	\$422.92	0.0%
20,000	12,000,000	\$2,675,334.09	\$2,261,375.00	\$413,959.09	\$2,675,757.01	\$2,261,375.00	\$414,382.01	\$422.92	0.0%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$0.00
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.01070
Distribution Demand Charge	kW x	\$3.34
Distribution Energy Charge	kWh x	(\$0.00015)
Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)
Gross Earnings Tax		4%
Standard Offer Charge (1)	kWh x	\$0.18091

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$324.73
LIHEAP Charge		\$82.00
Proposed Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.01070
Distribution Demand Charge	kW x	\$3.34
Distribution Energy Charge	kWh x	(\$0.00015)
Proposed Transition Energy Charge	kWh x	\$0.00096
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	(\$0.00024)
Gross Earnings Tax		4%
Standard Offer Charge (1)	kWh x	\$0.18091

Note (1): includes an average of the base Standard Offer Service Charge for January 2015 through March 2015 of 17.832¢/kWh, the Standard Offer Service Adjustment Charge of (0.360¢)/kWh, the Standard Offer Service Administrative Cost Factor of 0.139¢/kWh and the Renewable Energy Standard Charge of 0.480¢/kWh