

National Grid

The Narragansett Electric Company

**2018 RENEWABLE ENERGY
GROWTH PROGRAM
FACTOR FILING**

Pre-Filed Joint Direct Testimony and
Schedules of
Adam S. Crary and Kathy M. Hammer

June 29, 2018

Submitted to:

Rhode Island Public Utilities Commission
RIPUC Docket No. _____

nationalgrid

June 29, 2018

BY HAND DELIVERY AND ELECTRONIC MAIL

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

**RE: 2018 Renewable Energy (RE) Growth Program Factor Filing
Docket No. _____**

Dear Ms. Massaro:

On behalf of National Grid,¹ I have enclosed the Company's Renewable Energy (RE) Growth Program Factor filing for the period April 2018 through March 2019 (the 2018 Program Year).²

This filing also includes the annual RE Growth Program reconciliation of actual RE Growth revenue and costs. The reconciliation includes revenue billed through the RE Growth Factors for the period April 2017 through May 2018, estimated revenues for the months June 2018 through September 2018, and actual costs incurred to administer the RE Growth Program from April 2017 through March 2018.

The effect of the proposed RE Growth Factors and RE Growth Reconciliation Factors on the monthly bill of a residential Standard Offer Service (SOS) customer using 500 kWh is an increase of \$0.76, or approximately 0.8%. The enclosed filing includes the Joint Pre-Filed Direct Testimony and Schedules of Adam S. Crary and Kathy Hammer.

Thank you for your attention to this matter. If you have any questions, please contact me at 781-907-2121.

Very truly yours,



Raquel J. Webster

Enclosures

cc: Leo Wold, Esq.
Jon Hagopian, Esq.
John Bell, Division

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

² The Company submits this filing pursuant to the RE Growth Cost Recovery Provision, RIPUC No. 2208, which the PUC approved in Docket No. 4774. Pursuant to the RE Growth Cost Recovery Provision, the RE Growth Factors are designed to include an estimate of the costs expected to be incurred by the Company during the current RE Growth program year.

JOINT PRE-FILED DIRECT TESTIMONY

OF

ADAM S. CRARY

AND

KATHLEEN M. HAMMER

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1 **I. Introduction and Qualifications of Adam S. Crary**

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

3 A. My name is Adam S. Crary, 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 for Electric Pricing, New England in the Regulation and Strategy
8 Department of National Grid USA Service Company, Inc. (NGSC). This department
9 provides rate-related support to The Narragansett Electric Company, d/b/a National Grid
10 (the Company).

11
12 **Q. Please describe your educational background and training.**

13 A. In 1995, I graduated from Berklee College of Music in Boston, MA with a Bachelor of
14 Music degree.

15
16 **Q. Please describe your professional experience?**

17 A. For approximately eight years between 2000 and 2014, I was employed by Computer
18 Sciences Corporation as a Pricing Analyst for their Managed Hosting and Cloud
19 Computing business divisions, respectively. I began my employment as a Senior Pricing
20 Analyst with National Grid in June 2014.

21

1 **Q. Have you previously testified before Rhode Island Public Utilities Commission**
2 **(PUC)?**

3 A. Yes.
4

5 **II. Introduction and Qualifications of Kathleen M. Hammer**

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

7 A. My name is Kathleen M. Hammer, and my business address is 40 Sylvan Road,
8 Waltham, Massachusetts 02451.
9

10 **Q. Please state your position.**

11 A. I am a Lead Analyst of New England Revenue Requirements in the Regulation and
12 Strategy department of NGSC. My current duties include revenue requirements
13 responsibilities for NGSC's electric and gas distribution subsidiaries in New England.
14 These subsidiaries include The Narragansett Electric Company.
15

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

17 A. In 1996, I earned a Bachelor of Science in Management degree with a focus in
18 Accounting from Tulane University's A. B. Freeman School of Business in New Orleans,
19 Louisiana.

1 **Q. Please describe your professional experience?**

2 A. In October 1995, I began my career as an accountant at Worldwide Gaming in Harahan,
3 Louisiana. In May 1997, I joined Putnam Investments in Boston, Massachusetts as a
4 staff accountant. In November 1998, I joined Iron Mountain, Inc. as a general ledger
5 accountant for their Off-Site Data Protection division. In January 2002, I was promoted
6 to senior capital accountant and in October 2005 to financial analyst of their North
7 American Operations. In July 2009, I joined NGSC as a senior financial analyst for the
8 transmission line of business, and later for the operations support business function. In
9 May 2013, I joined my current department and in July 2016 was promoted to lead
10 analyst.

11

12 **Q. Have you previously testified before Rhode Island Public Utilities Commission**
13 **(PUC)?**

14 A. No, I have not previously testified before the PUC.

15

16 **III. Purpose of Joint Pre-Filed Testimony**

17 **Q. What is the purpose of your pre-filed testimony?**

18 A. The purpose of our joint pre-filed testimony is to present the Company's estimate of the
19 incremental cost subject to recovery for the period April 2018 through March 2019 (the
20 2018 Program Year) to administer the Renewable Energy Growth (RE Growth) Program
21 and the calculation of the proposed RE Growth Factors designed to recover that cost.

1 This filing also presents the reconciliation of revenue and cost (operation and
2 maintenance (O&M) expense incurred and the revenue requirement on meters installed
3 and placed into service)¹ during the Program Year ending March 2018 (the 2017 Program
4 Year) and the proposed RE Growth Reconciliation Factors, which will be combined with
5 the RE Growth Factors and presented as a single monthly charge on customers' bills.

6 The Company proposes that both the RE Growth Factors and the RE Growth
7 Reconciliation Factors be effective for bills rendered after October 1, 2018.

8
9 Recovery of costs for the RE Growth Program is in accordance with the Company's RE
10 Growth Program Cost Recovery Provision, RIPUC No. 2208 (RE Growth Provision),
11 which the PUC approved in Docket No. 4774 (2018 Renewable Energy Growth Program
12 Tariff and Rule Changes). Pursuant to the RE Growth Provision, the RE Growth Factors
13 are designed to recover an estimate of the costs the Company expects to incur during the
14 current Program Year. In Docket No. 4707, the PUC approved the RE Growth Factors
15 that are currently in effect. These factors, which were effective as of October 1, 2017,
16 were designed to recover the expenses the Company expected to incur during the 2017
17 Program Year. The proposed RE Growth Factors will replace the current factors.

¹ The Company has capitalized a portion of the costs incurred to modify its customer service system (CSS), which is required to implement the RE Growth Program and further enhancements to accommodate changes related to the implementation of the Shared Solar and Community Remote DG project types. The initial capitalized costs were recorded as plant in service beginning in April 2016, and the enhancement costs will be recorded as plant in service beginning in December 2018. Therefore, the Company is reflecting the revenue requirement of the capitalized cost of modifying CSS over a multi-year schedule, as presented in Schedule NG-4A.

1 This filing also includes the third annual RE Growth Program reconciliation of actual RE
2 Growth revenue and costs. The reconciliation period includes actual revenue billed
3 through the current RE Growth Factors for the period April 2017 through May 2018,
4 estimated revenue for the period June 2018 through September 2018, and actual costs
5 incurred to administer the RE Growth Program during the 2017 Program Year.

6
7 The effect of the proposed RE Growth Factors and RE Growth Reconciliation Factors on
8 the monthly bill of a residential Standard Offer Service (SOS) customer using 500 kWh is
9 an increase of \$0.76, or 0.8%.

10
11 **Q. Why is the Company proposing to implement the proposed RE Growth Factors and**
12 **RE Growth Reconciliation Factors on October 1, 2018?**

13 A. The RE Growth Statute² and the RE Growth Provision require the Company to file a
14 reconciliation of the revenue and cost for each Program Year within three months
15 following the end of the Program Year. Therefore, the Company must submit its annual
16 reconciliation filing no later than June 30 of each year. To allow the PUC and the Rhode
17 Island Division of Public Utilities and Carriers (Division) adequate time to consider the
18 Company's reconciliation filing, the Company proposes an effective date for the
19 proposed factors of October 1. For administrative convenience, the Company is
20

² R.I. Gen. Laws § 39-26.6-25(b).

1 including the proposals for both the RE Growth Factors and RE Growth Reconciliation
2 Factors in the same filing.

3
4 **Q. How is your testimony organized?**

5 A. Section IV of our testimony provides a description of the RE Growth Provision. Section
6 V describes the estimated expense the Company expects to incur during the 2018
7 Program Year and explains the calculation of the proposed RE Growth Factors. Section
8 VI describes the reconciliation of actual and estimated revenue billed through the RE
9 Growth Factors for the period April 2017 through September 2018, and incremental cost
10 incurred during the 2017 Program Year. Section VI also explains the calculation of the
11 proposed RE Growth Reconciliation Factors. Section VII discusses the typical bills for
12 each of the Company's rate classes that presents the impacts resulting from implementing
13 the proposed RE Growth Factors and RE Growth Reconciliation Factors. Section VIII
14 discusses the Summary of Retail Delivery Rates tariff. Section IX concludes the
15 testimony.

16
17 **IV. Overview of the Company's RE Growth Provision**

18 **Q. Please describe the provisions of the RE Growth Provision.**

19 A. The RE Growth Provision provides for the recovery of incremental costs associated with
20 the RE Growth Program from all retail delivery service customers through a fixed
21 monthly charge per customer. Under the RE Growth Program, the Company is required

1 to purchase the output generated by Distributed Generation (DG) projects that have been
2 awarded Certificates of Eligibility through the RE Growth Program enrollment process
3 and compensate program applicants in the form of Performance Based Incentive (PBI)
4 Payments. In turn, the applicants will assign to the Company title to all energy, capacity,
5 and Renewable Energy Certificates (RECs) (collectively, Market Products) generated by
6 the DG projects.³ The Company will sell the energy, and RECs are either used to satisfy
7 the Company's Renewable Energy Standard (RES) compliance obligations for SOS
8 customers or sold if they are not needed for compliance. Additionally, as a result of the
9 PUC's approval in Docket No. 4676, the Company is bidding eligible RE Growth
10 projects into the Independent System Operator-New England's (ISO-NE's) Forward
11 Capacity Market (FCM). The net proceeds from the sale of the Market Products,
12 including customers' share of any Net Forward Capacity Market Proceeds is used to
13 offset the cost of the RE Growth Program.

14
15 Pursuant to the PUC's Order from the February 9, 2018 Open Meeting in Docket No.
16 4774 and reflected in the RE Growth Provision, the Company no longer includes an
17 estimate of remuneration at 1.75% of estimated Total PBI Payments in the RE Growth
18 Factors for concurrent cost recovery. Instead, the Company is including actual
19 remuneration at 1.75% of actual PBI Payments in the RE Growth reconciliation included
20 in this filing. Finally, the Company is tracking and requesting recovery for certain
21 incremental implementation, administrative, and other costs as identified as eligible for

³For residential RE Growth Program participants, the Company only takes title to RECs.

1 recovery by the RE Growth Provision. These costs are associated with billing system
2 changes, metering for small-scale solar projects, the consultants hired by the Office of
3 Energy Resources (OER) or the Company to perform Ceiling Price studies and other
4 reports or studies as approved by the PUC, administrative costs incurred in the process of
5 the Company's bidding eligible projects and administering its participation in the FCM,
6 and certain other types of costs that will be described in more detail later in this
7 testimony.

8
9 As discussed above, annually, the Company must submit to the PUC its RE Growth
10 reconciliation and proposed RE Growth Reconciliation Factors based upon the over- or
11 under-recovery of costs presented in the reconciliation filing. In addition, if the
12 Company determines that an adjustment is needed to the RE Growth Factors in effect at
13 the time, the Company is also required to submit a filing requesting such adjustment, and
14 the adjustment must be based, in part, on the level of costs included in the annual RE
15 Growth reconciliation filing. Otherwise, the RE Growth Factors remain in effect,
16 pursuant to the RE Growth Provision. If a significant over- or under-recovery of costs
17 should occur at any time, the Company may submit a request to the PUC to adjust the RE
18 Growth Factors.

19
20 The RE Growth Factors and the RE Growth Reconciliation Factors are fixed monthly
21

1 charges that vary by rate class and appear together as a single separate line item on
2 customers' bills. The Company's proposed RE Growth Factors and RE Growth
3 Reconciliation Factors are presented in Schedule NG-1.

4
5 **V. Estimated Cost for the 2018 Program Year**

6 **Q. What is the estimated RE Growth Program cost for the 2018 Program Year?**

7 A. As indicated on Schedule NG-2, page 1, the Company estimates that it will incur costs
8 totaling approximately \$15.5 million to administer the RE Growth Program during the
9 2018 Program Year. The \$15.5 million estimated cost includes the following:

- 10 • approximately \$14 million of projected net costs associated with PBI Payments
11 made to customers that currently participate in the RE Growth Program as well as
12 the amounts the Company anticipates it will pay customers expected to achieve
13 commercial operation in the RE Growth Program during the year; and
- 14 • approximately \$1.5 million in expected administrative expenses.

15
16 **Q. How are the estimated PBI Payments determined?**

17 A. The estimated annual PBI Payments for the 2018 Program Year are shown on Schedule
18 NG-2, page 1, line (1). This amount is calculated by multiplying the PBI associated with
19 each class of DG project by the estimated annual output of the assumed units in that
20 class.

21

1 The detailed calculation is included on page 3 of Schedule NG-2. Currently, operational
2 RE Growth projects are shown on Lines (1) through (21), by technology/tariff type. Non-
3 operational RE Growth projects, which the Company expects will achieve their
4 Commercial Operation Dates (CODs) prior to the end of the 2018 Program Year, are
5 shown on Lines (22) through (38). For these projects, Estimated Twelve-Month Output
6 (Column (c)) has been adjusted based on the estimated CODs of the projects. Once the
7 total estimated PBI Payments have been calculated, the Company deducts the estimated
8 value of the Market Products it will be selling to determine the net cost to be recovered
9 from customers.

10
11 **Q. How are the estimated value of the Market Products, and the Customer Share of**
12 **Forward Capacity Market Proceeds, as shown on Schedule NG-2, page 1, Lines (2)**
13 **and (3) determined?**

14 A. The estimated value of the Market Products on Line (2) is the sum of the estimated
15 market value of the energy produced by each unit, and the RECs produced by each unit.
16 The estimated market value of the energy is based on renewable resource generation
17 shapes (on peak and off peak hours), RI zonal locational marginal prices for April 2018
18 through June 2018, and NYMEX electricity futures prices for July 2018 through March
19 2019. The Company used generation from solar, wind, and hydro projects included in
20

1 the recent Long Term Contracting for Renewable Energy Recovery (LTCRER) Factor
2 filing, Docket No. 4775 (filed with the PUC on May 15, 2018), as a proxy for the solar,
3 wind, and hydro projects included in this filing.
4

5 The market value of the RECs are estimated using the same methodology that was used
6 in the Company's recent LTCRER Factor filing, using the most recently available market
7 pricing information. The Company uses a very similar methodology to value the
8 products purchased through long-term contracts to determine the above-market cost
9 recovered from customers through the LTCRER Factor.
10

11 The estimated Customer Share of Forward Capacity Market Proceeds for the 2018
12 Program Year of \$3,419 is shown on Line (3).
13

14 The calculation of the estimated value of the Market Products is shown in detail in
15 Schedule NG-2, Page 4. Pursuant to the RE Growth Statute⁴ and the RE Growth
16 Program Tariff for Residential Customers, RIPUC No. 2151-E, the Company purchases
17 RECs, but not energy, from customers with small-scale solar installations. Therefore,
18 only proceeds from the sale of RECs associated with residential small-scale solar
19 installations are reflected in Section 1, Lines (1) and (2), on page 4 of Schedule NG-2.
20

⁴ R.I. Gen. Laws § 39-26.6-21(a)(3).

1 Further detail regarding the capacity bid into the FCM and anticipated related revenues
2 for Non-Residential RE Growth Program customers is provided on Page 5 of Schedule
3 NG-2

4

5 **Q. What is the estimated net cost to be recovered from all customers of PBI Payments**
6 **for the 2018 Program Year?**

7 A. As shown on Schedule NG-2, page 1, Line (4), the estimated net cost of PBI Payments
8 for the 2018 Program Year is approximately \$14 million.

9

10 **Q. Please describe the implementation, administrative costs, and other costs to be**
11 **recovered through the proposed RE Growth Factors.**

12 A. The RE Growth Provision provides for the recovery of the following incremental costs:

13 (1) The revenue requirement on RE Growth capital investment for the installation of
14 separate meters for small-scale solar projects;

15 (2) The incremental expense the Company incurs to meet program objectives,
16 including the cost of making billing system improvements to achieve the goals of
17 the RE Growth Program;

18 (3) The costs the Company incurred for consultants hired by either the OER or the
19 Company and approved by the PUC to perform ceiling price studies and other
20 reports or studies, as approved by the PUC;

21

1 (4) the estimated incremental administrative costs incurred as a result of the
2 Company's participation in the FCM; and

3 (5) Forfeited Performance Guarantee Deposits, which will be an offset to RE Growth
4 Program expenses.

5
6 **Q. Please describe the administrative costs that the Company expects to incur to**
7 **administer the RE Growth Program during the 2018 Program Year.**

8 A. The administrative costs that the Company expects to incur during the 2018 Program
9 Year include the costs of full time employees and/or contract employees that have been
10 hired, or will be hired during the 2018 Program Year, for the purposes of administering
11 the RE Growth Program. These costs include an allocation of estimated incremental
12 labor related to the Company's participation in the ISO-NE FCM. In addition, the
13 Company will continue to incur ongoing costs associated with initial modifications to its
14 billing system that were necessary to implement the RE Growth Program and which
15 include the calculation and application of PBI Payments and bill credits to the bills of
16 customers participating in the RE Growth Program. The Company has also estimated a
17 budget requirement to implement the further changes in its customer service system
18 (CSS) that are required to implement the Shared Solar and Community Remote
19 Distributed Generation provisions in the RE Growth tariff, as required by statute.⁵ The
20
21

⁵ See R.I. Gen. Laws §§ 39-26.6-26 and 39-26.6-27.

1 Company has capitalized a portion of these estimated costs, with the expectation that the
2 “plant in service” date will occur in December 2018. Therefore, the Company will begin
3 reflecting the revenue requirement of the capitalized cost of further modifications to CSS
4 beginning in December 2018.

5
6 Finally, the Company will continue to annually incur expenses for the consultant(s) hired
7 by the OER to make recommendations regarding ceiling prices for each of the renewable
8 energy classes included for participation in the RE Growth Program. Additionally, the
9 Company will continue to incur expenses for the consultants hired by the OER to cover
10 the continuing costs of the studies that have been performed or which will be performed
11 regarding the quality of the renewable energy installation for RE Growth Projects.

12
13 **Q. What is the estimated expense associated with added resources to administer the RE**
14 **Growth Program?**

15 A. The Company estimates that it will incur approximately \$0.9 M during the 2018 Program
16 Year in incremental labor costs associated with nine existing resources that the Company
17 hired during or prior to the 2018 Program Year to support the administration of the RE
18 Growth Program, and one anticipated new hire during the 2018 Program Year related to
19 CSS implementation and support. Schedule NG-2, page 6, provides the calculation of
20

1 the estimated labor-related costs for these resources, including the expected base salaries
2 of the resources, the expected time that each resource will devote to the RE Growth
3 Program, plus the applicable labor-related overheads.⁶
4

5 **Q. Please describe in general terms the job responsibilities of the resources that have**
6 **been added to date to support the RE Growth program.**

7 A. The incremental resources needed to administer the RE Growth Program perform various
8 functions and activities related to the program. In general, these activities include:

- 9 • Review, approve, and process program applications;
- 10 • Provide analytical support, analyze and collect data, and create and
11 monitor reports;
- 12 • Order and track meter exchanges;
- 13 • Respond to incoming customer calls and emails;
- 14 • Facilitate, and coordinate customers' small to mid-size DG applications
15 and projects; and
- 16 • Own and manage the relationship with complex distributed generation
17 applicants throughout the Company's interconnection process.
18

⁶The Company has excluded the labor-related overheads associated with pensions and postretirement benefits other than pensions (PBOP) from estimated and actual labor-related costs to be recovered pursuant to the RE Growth Provision. Pension and PBOP expenses are recovered pursuant to the Company's Pension Adjustment Mechanism Provision, RIPUC No. 2119.

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

2 A. The Company estimates that the annual revenue requirement associated with costs
3 capitalized for the initial modifications to CSS through March 2019, as well as
4 anticipated capital costs for ongoing modifications, with an estimated “in service” date of
5 December 2018, will be approximately \$164,000.

6
7 The Company has estimated an additional O&M budget for these modifications of
8 \$28,500, as shown on Schedule NG-2, Page 6, Line (2).

9
10 **Q. Please explain the estimated cost in Schedule NG-2, Page 4, Line (4).**

11 A. The \$145,000 included in Schedule NG-2, page 4, Line (4) is the estimated cost for
12 implementation of the Solar Marketplace, which the PUC approved in Docket No. 4589-
13 A. This estimated cost includes general website functionality, information security,
14 marketing, and process integration efforts between the Company and its ongoing partner,
15 EnergySage. This estimated cost also includes costs relating to the delivery of marketing
16 materials to customers and information relating to historic usage information by vendors,
17 OPower and RISE.

18

19 **Q. What costs associated with the 2018 Program Year are recoverable for consultants
20 hired by the OER?**

21 A. In its December 20, 2017 Open Meeting, regarding Docket No. 4604, the PUC approved

1 the DG Board's request for a \$68,000 budget to cover the cost of consultants that are
2 contracted to facilitate the annual ceiling price studies executed by the DG Board. In
3 Docket No. 4536-B, Order No. 23012, the PUC approved the OER's budget request for
4 \$145,000 to hire a consultant to perform a second phase Solar Quality Assurance Study
5 and Report, focusing on more complex RE Growth project installations than the initial
6 2017 study. These estimated OER costs are shown in Schedule NG-2, Page 6, Line (5).

7
8 **Q. How are the estimated meter costs determined?**

9 A. Annual meter investment recovery is the annual revenue requirement related to the
10 cumulative capital investment in meters installed on small-scale solar generation units. A
11 Company-owned meter is installed on each small-scale DG Project in order to accurately
12 measure and report its output. Additionally, where on-site load is present, the Company
13 requires that the DG Project meter be wired in parallel with the customer's service meter
14 and be adjacent to the service meter. These requirements enable the Company to
15 accurately measure both the output of the DG Project and the customer's on-site use.

16
17 The Company provides the metering for small-scale solar facilities and recovers the cost
18 of the meters, as provided in the RE Growth Statute,⁷ through the proposed cost recovery
19 mechanism discussed later in this testimony. For all other DG Projects, the customer
20 and/or the applicant is responsible for the cost of the meter.

21

⁷R.I. Gen. Laws § 39-26.6-18.

1 **Q. How did the Company calculate the rate class RE Growth Factors?**

2 A. Schedule NG-2, page 2, provides the calculation of rate class-specific RE Growth Factors
3 based upon the estimated RE Growth Program expense the Company expects to incur
4 during the 2018 Program Year.

5 The estimated expense for the Program Year is allocated to each rate class based on a rate
6 base allocator developed from the allocated cost of service study approved in the
7 Company's most recent completed general rate case.⁸ The allocated amount for each rate
8 class is divided by the forecasted number of bills during the period October 1, 2018
9 through September 30, 2019 to determine the monthly charge for each rate class. For the
10 outdoor lighting class, which consists of Rates S-05, S-06, S-10, and S-14, the allocated
11 amount is divided by the estimated number of active lights to determine the monthly
12 charge applicable to these rate classes. The result is then adjusted to include an
13 allowance for uncollectible amounts, pursuant to the RE Growth Provision, at 1.25%,
14 which was set at the Company's most recent completed general rate case.

15

16 **VI. 2017 Program Year Reconciliation**

17 **Q. Please describe the Company's RE Growth Program reconciliation for the 2017**
18 **Program Year ending March 2018.**

19 A. This reconciliation is included as Schedule NG-3. Page 1 of Schedule NG-3 reflects a
20 total estimated over-recovery of approximately \$399,000 for the 2017 Program Year.

21

⁸ Docket No. 4323.

1 **Q. Please describe the RE Growth Program reconciliation process in more detail.**

2 A. On an annual basis, the Company is required to file a reconciliation which reconciles
3 RE Growth Program revenue and cost in accordance with the RE Growth Provision. This
4 provision requires the Company to reconcile the revenue billed through the RE Growth
5 Factor, excluding the adjustment for uncollectible amounts and the RE Growth
6 Reconciliation Factors, to the actual cost incurred during the reconciliation period, and
7 the excess or deficiency, including interest at the Company's short term interest rate, is to
8 be credited to, or recovered from, all customers through RE Growth Reconciliation
9 Factors. For billing purposes, the RE Growth Reconciliation Factors are included with
10 the RE Growth Factors on a single line item on customers' bills.

11

12 **Q. Are there any changes to the RE Growth reconciliation in this filing?**

13 A. Yes. The Company is proposing to change the presentation of the RE Growth
14 reconciliation to better match when a program year's costs are incurred and when
15 customers are billed for the recovery of that program year's costs. As a result, the RE
16 Growth reconciliation in this filing shows additional revenue beyond the close of the
17 Program Year as a transition to this presentation.

18

19 The Company estimates RE Growth Program costs for a program year that covers the
20 period April through the following March. However, the RE Growth Factors that recover
21 a program year's costs are effective October 1 annually, which is six months into the

1 program year with which the estimated costs are associated. By limiting the presentation
2 of the RE Growth reconciliation to a 12-month period (April through March), the cost
3 reflected in this reconciliation does not match the revenue identified for the same 12
4 months, as the revenue for the first six months is associated with the RE Growth Factors
5 designed to recover estimated costs from the prior program year, and the revenue from
6 the second six months is associated with the RE Growth Factors designed to recover
7 estimated costs for the current program year. When annual costs are increasing, the
8 reconciliation of cost and revenue will result in annual under-recoveries, particularly as
9 the recoverable costs grow as more RE Growth project generation comes online.

10
11 Therefore, to better align revenue billed through the RE Growth Factors and the costs
12 they are intended to recover, the Company is proposing to present a reconciliation period
13 that covers 18 months (April through September of the following year) that would
14 present 12 months of actual RE Growth Program costs incurred during the period April
15 through March and 12 months of actual revenue billed through the RE Growth Factors
16 during the period October through September. In the proposed 18-month presentation, no
17 cost or revenue associated with a future program year would be reflected in the
18 reconciliation. Similar to what would occur under the current presentation, if the
19 Company finds it necessary to reflect adjustments for costs or revenue associated with a
20 prior program year, those adjustments would continue to be reflected in the
21 reconciliation.

1 To arrive at the proposed presentation of the RE Growth reconciliation, the Company has
2 included actual revenue through May and estimated revenue through September (beyond
3 the close of the 2017 Program Year) such that the reconciliation between revenue and
4 cost represents the recovery of cost incurred April 2017 through March 2018 (the 2017
5 Program Year) and extends six months to encompass the recovery period October 2017
6 through September 2018.

7
8 **Q. How will the Company address the estimated revenue in the reconciliation for the
9 2017 Program Year if the PUC were to approve the requested change?**

10 A. The Company proposes that in the subsequent reconciliation filing, it would include an
11 adjustment for the difference between actual revenue billed during the months that used
12 estimated revenue and the estimated revenue for the same months. For example, in the
13 2018 RE Growth Program reconciliation to be filed no later than June 30, 2019, the
14 Company would include an adjustment based on the difference between actual June 2018
15 through September 2018 revenue and estimated June 2018 through September 2018
16 revenue. The Company would determine these adjustments each year as part of the
17 reconciliation process.

18
19 **Q. Please summarize the results of the Company's RE Growth Program reconciliation
20 for the 2017 Program Year.**

21 A. The RE Growth Program reconciliation summary is shown on Schedule NG-3, page 1,
22 Section 1. Line (1) shows the revenue billed through the RE Growth Factors from April

1 2017 through May 2018, plus an estimate of revenue for the period of June 2018 through
2 September 2018, totaling \$8,674,727. Line (2) shows the expenses totaling \$8,300,087
3 for the 2017 Program Year. Line (3) shows the total forfeited Performance Guarantee
4 Deposits, which are credited back to all customers. Line (4) shows the total estimated
5 over-recovery of \$395,640. Line (5) shows the calculated interest during the
6 reconciliation period. Line (6) shows an ending estimated over-recovery balance of
7 \$398,747.
8

9 **Q. Please describe the RE Growth revenue in greater detail.**

10 A. The detail of the RE Growth revenue is shown on page 2 of Schedule NG-3. Column (a)
11 shows the total RE Growth Factor revenue billed via the RE Growth Factors from April
12 2017 through May 2018, plus an estimate of revenue for the period of June 2018 through
13 September 2018. Column (b) shows the reduced revenue after the allowed 1.25%
14 adjustment for uncollectible amounts, Column (c) shows the portion of revenue that is
15 being refunded to customers through the RE Growth Reconciliation Factors in order to
16 refund the 2015 Program Year over-recovery balance of \$274,574,⁹ and to recover the
17 2016 Program Year under-recovery balance of \$281,221.¹⁰ Column (d) shows the net RE
18 Growth Factor revenue that provides the recovery of RE Growth Program costs.
19

⁹ RIPUC Docket No. 4626, RE Growth Factor Filing, Schedule NG-3, Page 1, Line (5).

¹⁰ RIPUC Docket No. 4707, RE Growth Factor Filing, Schedule ASC-3, Page 1, Line (5)

1 **Q. Has the Company included a schedule showing the final balance of the over-**
2 **recovery incurred during the 2015 Program Year ending March 2016?**

3 A. Yes. Page 4, of Schedule NG-3 presents the final status of the over-recovery incurred
4 during the 2015 Program Year. The beginning over-recovery balance of \$274,574 was
5 approved in Docket No. 4626. The RE Growth Reconciling Factors were developed per
6 rate class, in Schedule ASC-3, Page 1, Section 2, of Docket 4626. These factors were
7 then summed with the RE Growth Factors, resulting in the combined billing RE Growth
8 Factor, as was shown in Schedule NG-1 of Docket No. 4626. These RE Growth Factors
9 began billing as of October 1, 2016. As shown on Schedule NG-3, Page 4, Line (4), the
10 remaining balance due to refund to RE Growth customers was \$43,967 as of
11 September 30, 2017. This remaining balance is included as an adjustment to each rate
12 class's over-recovery ending balance for the 2017 Program Year reconciliation on
13 Schedule NG-3, Page 1, Section 2, Line (11).

14
15 **Q. Has the Company included a status of the under-recovery incurred during the 2016**
16 **Program Year ending March 2017 that the Company is recovering from customers**
17 **during the 12 months ending September 30, 2018?**

18 A. Yes. Page 5, of Schedule NG-3 shows the status of the under-recovery incurred during
19 the 2016 Program Year. The beginning under-recovery balance of \$281,221 was
20 approved for recovery in Docket No. 4707. The RE Growth Reconciling Factors were
21 developed per rate class, in Schedule ASC-3, Page 1, Section 2, of Docket 4707. These

1 factors were then added to the RE Growth Factors, resulting in the combined billing RE
2 Growth Factor, as was shown in Schedule ASC-1 of Docket No. 4707. The currently-
3 effective RE Growth Factors began billing as of October 1, 2017. The Company will
4 continue to apply the currently effective factors through September 30, 2018. Any
5 balance remaining at that time, positive or negative, will be reflected in next year's RE
6 Growth Program reconciliation as an adjustment.

7
8 **Q. Please describe the costs included in the RE Growth Program reconciliation shown
9 on Schedule NG-3, page 3.**

10 A. Page 3 shows a breakdown of the costs associated with the 2017 Program Year. The total
11 cost from April 2017 through March 2018 of approximately \$8.3 million is shown on
12 Line (25).

13
14 Section (1), Column (a) shows the monthly PBI Payments paid to participating customers
15 during the period. Column (b) shows the net proceeds from Market Products, which
16 consists of proceeds received from the sale of RECs and energy associated with the
17 generation of DG units in the RE Growth Program. Column (c) calculates the Net PBI
18 payments, less market proceeds.

19
20

1 There were no Net Customer Share of Forward Capacity Market Proceeds during the
2 2017 Program Year; therefore, this category is not applicable as an offset to RE Growth
3 Program costs.

4
5 Section 2 shows the administrative costs associated with implementing and administering
6 the RE Growth Program during the reconciliation period. Line (14) shows the
7 Remuneration, which is calculated as the Total PBI Payments from Column (a) x 1.75%.
8 Line (15) shows the O&M expense related to the implementation and maintenance of
9 modifications of CSS required to perform the billing calculations for PBI Payments and
10 bill credits. The O&M costs included in the reconciliation, which total approximately
11 \$188,000, are related to contractor labor expenses and a capitalized portion of the total
12 cost related to CSS modifications performed in the 2015 Program Year, totaling
13 approximately \$441,000, which has been amortized over a seven-year period. The
14 revenue requirement for these capital costs is shown on Schedule NG-4A. The annual
15 revenue requirement related to these capital costs, as well as additional costs related to
16 further upgrades to the Company's billing system scheduled to be placed into service as
17 of December 2018, is also included as an administrative cost for the 2018 Program Year,
18 as shown in Schedule NG-2, page 6, Line (1). Line (16) includes a correction to
19 accumulated deferred taxes of previously capitalized costs as submitted in the 2017 RE
20 Growth Factor Filing, Docket No. 4707. While preparing the revenue requirement for the
21 current RE Growth Factor reconciliation, the Company discovered an error in its

1 calculation of accumulated deferred taxes as displayed on Docket No. 4707, Schedule
2 ASC-4A, Page 6, Column (g). The formula should have multiplied the cumulative
3 book/tax timer in Column (e) by the effective tax rate in Column (f). However, that
4 formula then divided the product by 12 to derive a monthly rate rather than an annual
5 balance. As a result of the formula error, the revenue requirement for the period of April
6 2016 through March 2017 was overstated by \$7,701. Therefore, the Company is
7 returning this amount, with interest, to customers as a reduction to expense during the
8 2017 Program Year.

9
10 Line (17) shows interest associated with the corrected revenue requirement amount on
11 Line (16), calculated at the Company's average Money Pool rate for the period October
12 2017 through May 2018.

13
14 Line (18) shows the expense during the reconciliation period of consultants hired by the
15 OER to perform a study and recommend ceiling prices, as well as a portion of the costs
16 associated with the Solar Quality Assurance Study.

17
18 Line (19) shows the actual annualized revenue requirement associated with the
19 incremental investment in meters installed on small scale solar DG Facilities. The
20 calculation of this revenue requirement is shown in Schedule NG-4B.

21

1 Line (20) shows billed charges from contractors as of March 31, 2018 in relation to the
2 SolarWise Program.

3
4 Line (21) shows the incremental direct labor and associated labor-related overheads
5 (excluding pension and PBOP overheads) associated with implementation and
6 management of the RE Growth Program during the 2017 Program Year.

7
8 Line (22) contains additional costs related to contracted services for website updates
9 related to DG interconnection and printing costs.

10
11 Line (23) contains administrative costs related to participation and management of
12 qualified RE Growth facilities bid into the FCM.

13
14 **Q. Please describe the calculation of the RE Growth Reconciliation Factors.**

15 A. Page 1, Section 2 of Schedule NG-3 presents the calculation of the RE Growth
16 Reconciliation Factors. The estimated over-recovery at March 31, 2018 of \$398,747 on
17 Line (7) forms the basis for the proposed RE Growth Reconciliation Factors. The
18 calculation of the RE Growth Reconciliation Factors follows the same steps as those
19 described above for the proposed RE Growth Factors, from the allocation to rate classes
20 based on a rate base allocator to the adjustment for uncollectibles.

21

1 **VII. Typical Bill Analysis**

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

4 A. Yes. Schedule NG-5 is a typical bill analysis showing the impact of the proposed RE
5 Growth Factors and RE Growth Reconciliation Factors on the monthly bills at different
6 usage levels for each of the Company's rate classes. As shown on page 1 of Schedule
7 NG-5, the impact on a monthly bill of a residential SOS customer using 500 kWh is an
8 increase of \$0.76, or 0.8%.

9
10 **VIII. Summary of Retail Delivery Rates**

11 **Q. Has the Company included a proposed RIPUC No. 2095, Summary of Retail Rates**
12 **tariff, reflecting the proposed RE Growth Factors and RE Growth Reconciliation**
13 **Factors?**

14 A. No, the Company is not presenting a revised Summary of Retail Rates tariff at this time.
15 The Company currently has proposed rate changes for effect September 1, 2018 pending
16 approval in its general rate case filed in Docket No. 4770. In addition, the Company will
17 submit its annual Infrastructure, Safety, and Reliability (ISR) Plan Reconciliation filing
18 as well as its Pension/PBOP Reconciliation filing on August 1, 2018 and will propose its
19 ISR reconciliation factors and a Pension/PBOP factor for effect on October 1, 2018.

20

1 Therefore, the Company will submit a revised Summary of Retail Rates tariff as a
2 compliance filing once the PUC has issued its decision in all dockets related to rate
3 changes proposed for October 1, 2018.

4

5 **IX. Conclusion**

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

7 A. Yes.

**Schedules of
Adam S. Crary and Kathy M. Hammer**

Schedule NG-1 – Proposed Combined Monthly RE Growth Cost Recovery Factors
For the Period October 1, 2018 through September 30, 2019

Schedule NG-2 – Summary of Estimate Annual Net Costs for the Program Year Ending
March 31, 2019

Schedule NG-3 – Proposed Monthly RE Growth Cost Recovery Reconciling Factors For the
Recovery Period October 1, 2018 through September 30, 2019

Schedule NG-4A – Revenue Requirement Summary for Phase 1 and 2 Billing System Capital
Modification

Schedule NG-4B – Meter Investment Revenue Requirement – Annual Revenue Requirement
Summary FY2016 to FY2019

Schedule NG-5 – Total Bill Impact of Proposed Rates Applicable to A-16 Rate Customers

Schedule NG – 1

Renewable Energy Growth Program
Proposed Combined Monthly RE Growth Cost Recovery Factors
For the Period October 1, 2018 through September 30, 2019

	Residential <u>A-16 / A-60</u> (a)	Small C&I <u>C-06</u> (b)	General C&I <u>G-02</u> (c)	Large Demand <u>B-32 / G-32</u> (d)	Optional Large Demand <u>B-62 / G-62</u> (e)	Street Lighting S-05 / S-06 <u>S-10 / S-14</u> (f)	Propulsion <u>X-01</u> (g)
(1) Proposed RE Growth Factor (Costs for PYE March 2019)	\$1.55	\$2.42	\$21.92	\$162.82	\$3,497.47	\$0.78	\$4,102.61
(2) Proposed RE Growth Reconciliation Factor (Costs for PYE March 2018)	<u>(\$0.04)</u>	<u>(\$0.06)</u>	<u>(\$0.54)</u>	<u>(\$4.14)</u>	<u>(\$84.93)</u>	<u>(\$0.02)</u>	<u>(\$104.73)</u>
(3) Proposed Combined RE Growth Factor	\$1.51	\$2.36	\$21.38	\$158.68	\$3,412.54	\$0.76	\$3,997.88

- (1) Schedule NG-2, Page 2, Line (8)
- (2) Schedule NG-3, Page 1, Line (16)
- (3) Line (1) + Line (2)

Schedule NG – 2

Renewable Energy Growth Program
Summary of Estimated Annual Net Costs
for the Program Year Ending March 31, 2019

(1) Estimated Performance-Based Incentive Payments (PBIP)	\$17,701,448
(2) less: estimated Value of Market Products (PRDCTS)	\$3,679,174
(3) less: estimated Customer Share of Forward Capacity Market Proceeds (NFCMP)	<u>\$3,419</u>
(4) Estimated Net Cost	\$14,018,855
(5) Estimated Administrative Cost (ADM)	<u>\$1,466,230</u>
(6) Total Estimated RE Growth Cost	\$15,485,085

- (1) Page 3, Line (39), Column (e)
- (2) Page 4, Section 1, Line (10), Column (f)
- (3) Page 4, Section 2, Line (11), Column (h)
- (4) Line (1) - Line (2) - Line (3)
- (5) Page 6, Line (7)
- (6) Line (4) + Line (5)

Renewable Energy Growth Program
Proposed Renewable Energy Growth Program Factors
For the Period October 1, 2018 through September 2019

	<u>Total</u>	<u>Residential</u>	<u>Small</u>	<u>General</u>	<u>Large</u>	<u>Optional</u>	<u>Street Lighting S-</u>	<u>Propulsion</u>
	<u>(a)</u>	<u>A-16 / A-60</u>	<u>Commercial</u>	<u>Commercial</u>	<u>Demand</u>	<u>Large</u>	<u>05 / S-06</u>	<u>X-01</u>
		<u>(b)</u>	<u>& Industrial</u>	<u>& Industrial</u>	<u>Demand</u>	<u>Demand</u>	<u>S-10 / S-14</u>	<u>(h)</u>
			<u>C-06</u>	<u>G-02</u>	<u>B-32 / G-32</u>	<u>B62 / G62</u>		
			<u>(c)</u>	<u>(d)</u>	<u>(e)</u>	<u>(f)</u>	<u>(g)</u>	
(1) Projected Annual Renewable Energy Growth Program Cost	\$15,485,085							
(2) Total Rate Base (\$000s)	\$561,738	\$296,490	\$54,542	\$82,460	\$77,651	\$19,545	\$29,286	\$1,764
(3) Percentage of Total (RBA)	100.00%	52.78%	9.71%	14.68%	13.82%	3.48%	5.21%	0.31%
(4) Allocated Expense	\$15,485,086	\$8,173,149	\$1,503,528	\$2,273,125	\$2,140,562	\$538,787	\$807,319	\$48,616
(5) Forecasted Number of Bills/Luminaires (FBill)	7,063,758	<u>5,286,436</u>	<u>626,862</u>	<u>104,980</u>	<u>13,312</u>	<u>156</u>	<u>1,032,000</u>	<u>12</u>
(6) Proposed REG Factor - monthly per bill charge		\$1.54	\$2.39	\$21.65	\$160.79	\$3,453.76	\$0.78	\$4,051.33
(7) Uncollectible Percentage (UP)	1.25%	<u>1.25%</u>	<u>1.25%</u>	<u>1.25%</u>	<u>1.25%</u>	<u>1.25%</u>	<u>1.25%</u>	<u>1.25%</u>
(8) Proposed RE Growth Factors for Costs of PYE March 2019		\$1.55	\$2.42	\$21.92	\$162.82	\$3,497.47	\$0.78	\$4,102.61

- (1) Page 1, Line (6)
- (2) per RIPUC 4323, Compliance Attachment 3A, (Schedule HSG-1), page 2, line 10
- (3) Line (2) ÷ Line (2) Column (a)
- (4) Line (1) Column (a) x Line (3)
- (5) Company forecast for the period October 1, 2018 through September 30, 2019; Streetlighting represents number of fixtures
- (6) Line (4) ÷ Line (5), truncated to 2 decimal places
- (7) Uncollectible Percentage approved in RIPUC Docket No. 4323
- (8) Line (6) ÷ (1- Line (7)), truncated to 2 decimal places

Renewable Energy Growth Program
Estimated Performance-Based Incentive Payments
for the Program Year Ending March 31, 2019

Unit	Aggregate Capacity (kWDC) (a)	Unit Availability Factor (b)	Estimated Twelve-Month Output (kWh) (c)	Tariff Price (\$ per kWh) (d)	Estimated Twelve-Month Cost (e)
(1) Small Scale Solar - Operational 2015 Program Year Enrollees - 15 Year Tariff	2,592.0	14%	3,178,866	\$0.4135	\$1,314,461
(2) Small Scale Solar - Operational 2015 Program Year Enrollees - 20 Year Tariff	371.3	14%	455,362	\$0.3775	\$171,899
(3) Small Scale Solar II - Operational 2015 Program Year Enrollees - 20 Year Tariff	17.4	14%	21,339	\$0.2980	\$6,359
(4) Medium Scale Solar - Operational 2015 Program Year Enrollees - 20 Year Tariff	2,183.0	14%	2,677,231	\$0.2440	\$653,244
(5) Commerical Scale Solar - Operational 2015 Program Year Enrollee - 20 year Tariff	499.0	14%	611,974	\$0.2000	\$122,395
(6) Commerical Scale Solar - Operational 2015 Program Year Enrollee - 20 year Tariff	999.0	14%	1,225,174	\$0.1960	\$240,134
(7) Large Scale Solar - Operational 2015 Program Year Enrollee	2,594.0	14%	3,181,282	\$0.1594	\$507,096
(8) Wind I- Operational 2015 Operational Program Year Enrollees - 20 year Tariff	1,500.0	22%	2,890,800	\$0.2275	\$657,657
(9) Wind II- Operational 2015 Operational Program Year Enrollees - 20 year Tariff	4,500.0	22%	8,672,400	\$0.2235	\$1,938,281
(10) Small Scale Solar - Operational 2016 Program Year Enrollees - 15 Year Tariff	5,040.8	14%	6,182,074	\$0.3765	\$2,327,551
(11) Small Scale Solar - Operational 2016 Program Year Enrollees - 15 Year Tariff - SolarWise	41.3	14%	50,638	\$0.4142	\$20,974
(12) Small Scale Solar - Operational 2016 Program Year Enrollees - 20 Year Tariff	1,208.1	14%	1,481,626	\$0.3345	\$495,604
(13) Small Scale Solar II - Operational 2016 Program Year Enrollees - 20 Year Tariff	42.0	14%	51,509	\$0.2490	\$12,826
(14) Medium Scale Solar - Operational 2016 Program Year Enrollees - 20 Year Tariff	497.0	14%	609,521	\$0.2255	\$137,447
(15) Small Scale Solar - Operational 2017 Program Year Enrollees - 15 Year Tariff	5,305.0	14%	6,506,064	\$0.3475	\$2,260,857
(16) Small Scale Solar - Operational 2017 Program Year Enrollees - 20 Year Tariff	647.6	14%	794,204	\$0.3085	\$245,012
(17) Small Scale Solar II - Operational 2017 Program Year Enrollees - 20 Year Tariff	66.4	14%	81,457	\$0.2775	\$22,604
(18) Medium Scale Solar - Operational 2017 Program Year Enrollees - 20 Year Tariff	200.0	14%	245,280	\$0.2275	\$55,801
(19) Large Scale Solar - Operational 2017 Program Year Enrollee	2,500.0	14%	3,066,000	\$0.1289	\$395,207
(20) Small Scale Solar - Operational 2018 Program Year Enrollees - 15 Year Tariff	98.3	14%	120,518	\$0.3225	\$38,867
(21) Small Scale Solar II - Operational 2018 Program Year Enrollees - 20 Year Tariff	28.3	14%	34,732	\$0.2945	\$10,228
(22) Small Scale Solar - Non-Operational 2016 Program Year Enrollees - 15 Year Tariff	444.4	14%	108,303	\$0.3765	\$40,776
(23) Small Scale Solar - Non-Operational 2016 Program Year Enrollees - 20 Year Tariff	85.7	14%	23,643	\$0.3345	\$7,908
(24) Small Scale Solar II - Non-Operational 2016 Program Year Enrollees - 20 Year Tariff	14.9	14%	3,243	\$0.2490	\$808
(25) Small Scale Solar - Non-Operational 2017 Program Year Enrollees - 15 Year Tariff	99.4	14%	19,984	\$0.3475	\$6,944
(26) Small Scale Solar - Non-Operational 2017 Program Year Enrollees - 20 Year Tariff	30.2	14%	7,252	\$0.3085	\$2,237
(27) Medium Scale Solar - Non Operational 2016 Program Year Enrollees - 20 Year Tariff	3,998.0	14%	2,899,075	\$0.2255	\$653,741
(28) Medium Scale Solar - Non Operational 2017 Program Year Enrollees - 20 Year Tariff	3,169.0	14%	2,426,028	\$0.2275	\$551,921
(29) Commerical Scale Solar - Non-Operational 2015 Program Year Enrollees	2,649.0	14%	2,362,802	\$0.1832	\$432,865
(30) Commerical Scale Solar - Non-Operational 2016 Program Year Enrollees	6,929.0	14%	4,657,965	\$0.1772	\$825,391
(31) Commerical Scale Solar - Non-Operational 2017 Program Year Enrollees	5,330.0	14%	3,416,911	\$0.1686	\$576,091
(32) Community Remote DG - Commercial Solar - Non-Operational 2017 Program Year Enrollee	997.0	14%	777,181	\$0.2065	\$160,488
(33) Large Scale Solar - Non-Operational 2015 Program Year Enrollee	4,050.0	14%	1,374,408	\$0.1659	\$228,014
(34) Large Scale Solar - Non-Operational 2016 Program Year Enrollees	7,854.0	14%	3,886,747	\$0.1212	\$471,074
(35) Large Scale Solar - Non-Operational 2017 Program Year Enrollees	9,350.0	14%	6,186,734	\$0.1460	\$903,263
(36) Wind I Non-Operational 2016 Program Year Enrollees - 20 Year Tariff	3,000.0	22%	3,714,480	\$0.1875	\$696,465
(37) Wind II Non-Operational 2017 Program Year Enrollees - 20 Year Tariff	6,000.0	22%	1,869,120	\$0.1824	\$340,927
(38) Non-Operational Small-Scale Hydropower II 2017 Program Year Enrollee - 20 Year Tariff	<u>450.00</u>	77%	<u>748,440</u>	\$0.2245	<u>\$168,025</u>
(39) Total	85,381.2		76,620,366		\$17,701,448

(1)-(21) Operational RE Growth Projects as of 6/30/18

(22)-(38) Non-Operational RE Growth Projects as of 6/30/18, scheduled to achieve Commercial Operation before 3/31/19

(39) Sum of Lines (1) through (38)

- (a) Nameplate capacity of enrolled RE Growth projects, per tariff type
- (b) Estimated
- (c) Lines (1) through (21), Column (a) x Column (b) x 8,760 hours; Lines (22) through (38), Column (a) x Column (b) x estimated hours of operation per project
- (d) Approved PBI price per project; Lines (29) through (31) and (34) through (35) are blended rates
- (e) Column (c) x Column (d)

Renewable Energy Growth Program
Estimated Market Value
for the Program Year Ending March 31, 2019

Section 1: Estimated Market Value

Class	Estimated	Market	Energy	REC	REC	Total
	kWh Purchased Under Tariffs (a)	Energy Proxy (b)	Market Value (c)	Proxy (d)	Market Value (e)	Market Value (f)
(1) Small Scale Solar	18,928,534	n/a	n/a	\$0.01684	\$318,784	\$318,784
(2) Small Scale Solar II	192,280	n/a	n/a	\$0.01684	\$3,238	\$3,238
(3) Medium Scale Solar	8,857,135	\$0.03950	\$349,864	\$0.01684	\$149,167	\$499,031
(4) Commercial Scale Solar	12,274,825	\$0.03950	\$484,866	\$0.01684	\$206,726	\$691,592
(5) CRDG Solar	777,181	\$0.03950	\$30,699	\$0.01684	\$13,089	\$43,788
(6) Large Scale Solar	17,695,171	\$0.03950	\$698,974	\$0.01684	\$298,012	\$996,987
(7) Wind I	6,605,280	\$0.04471	\$295,308	\$0.01827	\$120,698	\$416,005
(8) Wind II	10,541,520	\$0.04471	\$471,288	\$0.01827	\$192,624	\$663,912
(9) Hydro	<u>748,440</u>	\$0.04341	<u>\$32,487</u>	\$0.01784	<u>\$13,349</u>	<u>\$45,835</u>
(10) Total	76,620,366		\$2,363,487		\$1,315,687	\$3,679,174

Section 2: Estimated Forward Capacity Market Proceeds

	Estimated	Estimated
	Forward Capacity Market Proceeds (g)	Customer Share of Forward Capacity Market Proceeds (h)
(11) Estimated FCM Proceeds through PY18	\$3,799	\$3,419

Section 3: Estimated Net Cost

	Estimated Net Cost (i)
(12) Small Scale Solar	\$6,614,308
(13) Small Scale Solar II	\$49,587
(14) Medium Scale Solar	\$1,553,124
(15) Commercial Scale Solar	\$1,505,285
(16) CRDG Solar	\$116,700
(17) Large Scale Solar	\$1,507,668
(18) Wind I	\$938,117
(19) Wind II	\$1,615,296
(20) Hydro	<u>\$122,189</u>
(21) Total Estimated Above (Below) Market Cost	\$14,018,855

(1)-(9) Est. Market Value from Project generation

(10) Sum of Lines (1) through (9)

(11) Estimated Forward Capacity Market Proceeds through 3/31/19

(12)-(20) Estimated Net Costs for RE Growth Projects through PY 2018

(21) Sum of Lines (12) through (20)

(a) Page 3, Column (c)

(b) The market energy proxy is based on RI Zonal LMPs and NYMEX electricity futures prices for the Pricing Period and renewable resource generation shapes (on peak and off peak hours)

(c) Column (a) x Column (b)

(d) REC price estimate based on most recent market information

(e) Column (a) x Column (d)

(f) Column (c) + Column (e)

(g) per Page 5, Line (4), Column (d)

(m) per Page 5, Line (4), Column (e)

(n) Page 3, Column (e) - Column (f) - Column (h)

Renewable Energy Growth Program
Estimated Capacity Bid into Forward Capacity Market
For the Period April 2018 through March 2019

	<u>Unit</u>	Capacity Supply	Estimated	Conversion	Total Capacity	Customer	Company
		Obligation	Annual Reconfiguration		Bid into FCM	Share	Share
		<u>MW's</u>	<u>Auction</u>	<u>to kW</u>	<u>(d)</u>	<u>(e)</u>	<u>(f)</u>
		(a)	(b)	(c)			
(1)	Kopeski Solar Asset. No. 49241	0.085	\$3.380	1,000	\$1,149	\$1,034	\$115
(2)	Carbide Tool Company Solar Asset. No. 49256	0.099	\$3.380	1,000	\$1,338	\$1,205	\$134
(3)	Tanglewood Farm Solar Asset. No. 49254	0.097	\$3.380	1,000	\$1,311	\$1,180	\$131
(4)		Total			\$3,799	\$3,419	\$380

- (a) MW's bid
- (b) Estimated Annual Reconfiguration Auction (ARA) Price
- (c) Multiplication by 1000 to result in kW
- (d) Estimated Net Forward Capacity Market Proceeds
- (e) Column (d) x .90
- (f) Column (d) - Column (e)

Renewable Energy Growth Program
Forward Capacity Market
Estimated Proceeds and Administrative Costs
For the Period April 2018 through March 2019

Estimated Administrative Costs:

(1)	Estimated New Projects Being Bid into the FCM	27
(2)	Estimated Existing Projects Being Bid into the FCM	3
(3)	Estimated Qualification Hours per New Project	20
(4)	Estimated Annual Monitoring Labor Hours per Project	30
(5)	Estimated Total Hours for April 2018 - March 2019	990
(6)	Estimated Unburdened Average Hourly Rate	\$38.46
(7)	Estimated Burden Rate	66.90%
(8)	Estimated Burdened Average Hourly Rate	\$64.19
(9)	Estimated Total Administrative Costs for the FCM	\$63,550

- (1) Company Estimate
- (2) Company Estimate
- (3) Company Estimate
- (4) Company Estimate
- (5) $[\text{Line (3)} + \text{Line (4)}] \times \text{Line (6)} \div 2 + [\text{Line (3)} \times \text{Line (5)}]$
- (6) Estimated hourly rate
- (7) Per Company records (excludes Pension and PBOP)
- (8) $\text{Line (8)} + [\text{Line (8)} \times \text{Line (9)}]$
- (9) $\text{Line (7)} \times \text{Line (10)}$

Schedule NG – 3

Renewable Energy Growth Program
Proposed Monthly RE Growth Cost Recovery Reconciling Factors
For the Recovery Period October 1, 2018 through September 30, 2019

Section 1: Reconciliation

(1) Total Estimated Net RE Growth Factor Revenue	\$8,674,727
(2) Total RE Growth Expense	<u>\$8,300,087</u>
(3) Forfeited Performance Guarantee Deposits (PGDs)	<u>(\$21,000)</u>
(4) RE Growth Reconciliation - Estimated Over-Recovery (PPRA)	(\$395,640)
(5) Interest during the Reconciliation Period (I)	<u>(\$3,107)</u>
(6) Total Amount to be Credited to Customers	(\$398,747)

Section 2: Factor Calculation

	Total	Residential A-16 / A-60	Small C&I C-06	General C&I G-02	Large Demand B-32 / G-32	Optional Large Demand B-62 / G-62	Lighting S-05 / S-06 S-10 / S-14	Propulsion X-01
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
(7) RE Growth Program Year 2018 Cost (Over)/Under Recovery	(\$398,747)							
(8) Total Rate Base (\$000s)	\$561,738	\$296,490	\$54,542	\$82,460	\$77,651	\$19,545	\$29,286	\$1,764
(9) Rate Base as Percentage of Total	100.00%	52.78%	9.71%	14.68%	13.82%	3.48%	5.21%	0.31%
(10) Allocated 2017 Program Year (Over)/Under Recovery	(\$398,747)	(\$210,462)	(\$38,716)	(\$58,534)	(\$55,120)	(\$13,874)	(\$20,789)	(\$1,252)
(11) Remaining (Over)/Under Recovery for PY15	<u>(\$43,967)</u>	<u>(\$38,995)</u>	<u>(\$2,368)</u>	<u>\$1,145</u>	<u>\$574</u>	<u>\$790</u>	<u>(\$5,123)</u>	<u>\$11</u>
(12) Total Allocated 2017 Program Year (Over)/Under Recovery	(\$442,714)	(\$249,457)	(\$41,084)	(\$57,389)	(\$54,546)	(\$13,084)	(\$25,912)	(\$1,241)
(13) Forecasted Number of Bills/Luminaires	7,063,758	<u>5,286,436</u>	<u>626,862</u>	<u>104,980</u>	<u>13,312</u>	<u>156</u>	<u>1,032,000</u>	<u>12</u>
(14) Proposed Class-specific RE Growth Reconciling Factor per Month		(\$0.04)	(\$0.06)	(\$0.54)	(\$4.09)	(\$83.87)	(\$0.02)	(\$103.43)
(15) Uncollectible Percentage		<u>1.25%</u>	<u>1.25%</u>	<u>1.25%</u>	<u>1.25%</u>	<u>1.25%</u>	<u>1.25%</u>	<u>1.25%</u>
(16) Proposed Factor incl. Adjustment for Uncollectible Allowance		(\$0.04)	(\$0.06)	(\$0.54)	(\$4.14)	(\$84.93)	(\$0.02)	(\$104.73)

- (1) Total Revenue from Page 2, Column (d)
- (2) Total Expense from Page 3, Line (25)
- (3) Forfeited Performance Guarantee Deposits
- (4) Line (2) - Line (2) + Line (3)
- (5) [(Beginning balance of \$0.00), + (Ending balance of (\$398,727)) ÷ 2] x average reconciliation period short term interest rate of 1.57%
- (6) Line (4) + Line (5)
- (7) Line (6)
- (8) RIPUC 4323, Compliance Attachment 4A, (Schedule HSG-1), page 2, Line (10)
- (9) Line (10) ÷ Line (10), Column (a)
- (10) Line (7) x Line (9)
- (11) Ending Balance for the Over-Recovery associated with Program Year 2015, per Rate Class, as per Page 4, Line (4)
- (12) Line (10) + Line (11)
- (13) Company forecast for the period October 1, 2018 through September 30, 2019; Streetlighting represents number of fixtures
- (14) Line (12) ÷ Line (13), truncated to 2 decimal places
- (15) Uncollectible Percentage approved in RIPUC Docket No. 4323
- (16) Line (14) ÷ (1 - Line (15)), truncated to 2 decimal places

Renewable Energy Growth Program
RE Growth Cost Reconciliation
For the Program Year Ending March 2018

Revenue Summary

		Total RE Growth Factor <u>Revenue</u> (a)	Net RE Growth Revenue Adjusted for <u>Uncollectibles</u> (b)	RE Growth Reconciliation Factor <u>Revenue</u> (c)	Net RE Growth <u>Revenue</u> (d)
(1)	Apr-17	\$180,789	\$178,529	(\$19,047)	\$197,576
(2)	May-17	\$168,198	\$166,096	(\$17,660)	\$183,755
(3)	Jun-17	\$187,368	\$185,026	(\$19,845)	\$204,871
(4)	Jul-17	\$187,640	\$185,294	(\$19,838)	\$205,133
(5)	Aug-17	\$186,671	\$184,337	(\$19,703)	\$204,040
(6)	Sep-17	\$182,170	\$179,893	(\$19,203)	\$199,096
(7)	Oct-17	\$549,321	\$542,455	\$18,756	\$523,699
(8)	Nov-17	\$674,470	\$666,040	\$19,906	\$646,134
(9)	Dec-17	\$612,961	\$605,299	\$17,995	\$587,304
(10)	Jan-18	\$676,200	\$667,747	\$19,974	\$647,773
(11)	Feb-18	\$689,607	\$680,987	\$20,182	\$660,804
(12)	Mar-18	\$634,132	\$626,206	\$18,719	\$607,486
(13)	Apr-18	\$661,102	\$652,838	\$19,552	\$633,286
(14)	May-18	\$681,617	\$673,097	\$20,081	\$653,016
(15)	Jun-18	\$657,533	\$649,313	\$19,566	\$629,748
(16)	Jul-18	\$657,931	\$649,707	\$19,579	\$630,127
(17)	Aug-18	\$658,119	\$649,893	\$19,585	\$630,308
(18)	Sep-18	<u>\$658,394</u>	<u>\$650,164</u>	<u>\$19,593</u>	<u>\$630,571</u>
(19)	Totals	\$8,904,222	\$8,792,920	\$118,192	\$8,674,727

- (a) Lines (1) through (14), Company revenue reports; Lines (15) through (18) estimated
- (b) Column (a) x 1-1.25% Uncollectibles Rate
Lines (1) through (6), Page 4, Column (a); Lines (7) through (12), Page 5, Column (a)
- (c) Lines (15) through (18) estimated
- (d) Column (b) - Column (c)

Renewable Energy Growth Program
RE Growth Cost Reconciliation
For the Program Year Ending March 2018

Expense Summary

Section 1: Net Performance-Based Incentive Payments

		Total PBI Payments (PBIP) (a)	Net Proceeds from Market Products (PRDCTS) (b)	Net PBI Payments (c)
(1)	Apr-17	\$1,361,282	(\$80,070)	\$1,281,212
(2)	May-17	\$391,040	(\$48,934)	\$342,106
(3)	Jun-17	\$1,041,483	(\$60,749)	\$980,734
(4)	Jul-17	\$660,451	(\$190,758)	\$469,693
(5)	Aug-17	\$658,603	(\$50,602)	\$608,001
(6)	Sep-17	\$641,575	(\$56,550)	\$585,025
(7)	Oct-17	\$601,815	(\$132,163)	\$469,651
(8)	Nov-17	\$568,207	(\$38,418)	\$529,788
(9)	Dec-17	\$552,510	(\$134,733)	\$417,777
(10)	Jan-18	\$549,187	(\$211,444)	\$337,743
(11)	Feb-18	\$601,054	(\$22,307)	\$578,747
(12)	Mar-18	\$710,630	(\$79,721)	<u>\$630,909</u>
(13)		\$8,337,836	(\$1,106,449)	\$7,231,387

Section 2: Administrative Expense

(14)	Remuneration			\$145,912
(15)	Billing System Modifications - O&M Expense + Revenue Requirement			\$187,529
(16)	Billing System Modifications - Program Year 2017 Revenue Requirement Correction			(\$7,011)
(17)	Billing System Modifications - Program Year 2017 Revenue Requirement Correction Interest			(\$67)
(18)	DG Board Invoiced Expenses			\$79,925
(19)	Program Year 2017 Meter Revenue Requirement			\$26,222
(20)	SolarWise Invoiced Expenses			\$36,336
(21)	Direct Company Labor Expense w/ OH - Program O&M			\$586,457
(22)	Other Expenses - (Website Upgrades, Printing)			\$8,723
(23)	Forward Capacity Market Administrative Expenses			\$4,675
(24)	Total Administrative Expense			<u>\$1,068,700</u>

Section 3: Total RE Growth Expenses

(25)	Total Expenses			\$8,300,087
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- (a) Company billing reports
- (b) ISO-NE Energy Sales and Company REC Transfer reports
- (c) Column (a) + Column (b)

- (13) Sum of Lines (1) through (12)
- (14) Line (13), Column (a) x 1.75%
- (15) O&M expense per Vendor Invoices; Revenue Requirement per Schedule NG-4A, Page 1, Column (j), Sum of Lines (13) through (24)
- (16) Correction to Accumulated Deferred Taxes, as per Schedule NG-4A, Page 3, Column (h), Sum of Lines (1) through (12)
[(Beginning balance of \$0.00), + (Ending balance of (\$7,011)) ÷ 2] x average April 2016 through March 2018 period short term interest rate of 1.32%
- (17) Paid Invoices to OER related to DG Board Ceiling Price consulting fees and Training
- (18) Schedule NG-4B, Page 1, Column (c), Line (5)
- (19) Paid Invoices to EnergySage related to SolarWise program
- (20) Direct Labor Expense - Company Accounting Records
- (21) Paid Invoices for Misc. Expenses (Website Design upgrades, Printing)
- (22) Administrative Expense Associated with bidding of qualified REG Projects in the ISO-NE Forward Capacity Market
- (23) Sum of Lines (14) through (23)
- (24) Line (13), Column (c) + Line (24)

Renewable Energy Growth Program
RE Growth Reconciliation of Prior Period Over Recovery
For the Period April 1, 2015 through March 31, 2016
For the Refund Period October 1, 2016 through September 30, 2017

	Total (a)	Residential A-16 / A-60		Small C&I C-06/C-08		General C&I G-02		Large Demand B-32 / G-32	
		(b)	(c)	(b)	(c)	(b)	(c)	(b)	(c)
(1) Beginning Over(Under) Recovery	\$274,574		\$144,922		\$26,660		\$40,306		\$37,955
(2) REG Reconciling Factor			(\$0.02)		(\$0.04)		(\$0.41)		(\$3.04)
		<u>Total Bills</u>	<u>Reconciling Factor Revenue</u>	<u>Total Bills</u>	<u>Reconciling Factor Revenue</u>	<u>Total Bills</u>	<u>Reconciling Factor Revenue</u>	<u>Total Bills</u>	<u>CapEx Reconciling Factor Revenue</u>
Oct-16	(\$19,106)	438,176	(\$8,763.52)	50,009	(\$2,000.36)	8,237	(\$3,377.17)	1,061	(\$3,225.44)
Nov-16	(\$19,486)	446,145	(\$8,922.90)	50,998	(\$2,039.92)	8,613	(\$3,531.33)	1,070	(\$3,252.80)
Dec-16	(\$18,446)	418,808	(\$8,376.16)	47,876	(\$1,915.04)	8,078	(\$3,311.98)	1,021	(\$3,103.84)
Jan-17	(\$19,718)	447,399	(\$8,947.98)	51,185	(\$2,047.40)	8,675	(\$3,556.75)	1,083	(\$3,292.32)
Feb-17	(\$19,405)	449,022	(\$8,980.44)	51,610	(\$2,064.40)	8,377	(\$3,434.57)	1,026	(\$3,119.04)
Mar-17	(\$19,149)	424,417	(\$8,488.34)	49,875	(\$1,995.00)	8,647	(\$3,545.27)	1,090	(\$3,313.60)
Apr-17	(\$19,047)	441,039	(\$8,820.78)	50,879	(\$2,035.16)	8,481	(\$3,477.21)	1,081	(\$3,286.24)
May-17	(\$17,660)	439,197	(\$8,783.94)	49,935	(\$1,997.40)	8,206	(\$3,364.46)	1,048	(\$3,185.92)
Jun-17	(\$19,845)	443,430	(\$8,868.60)	51,056	(\$2,042.24)	8,488	(\$3,480.08)	1,051	(\$3,195.04)
Jul-17	(\$19,838)	447,314	(\$8,946.28)	51,231	(\$2,049.24)	8,504	(\$3,486.64)	1,050	(\$3,192.00)
Aug-17	(\$19,703)	453,821	(\$9,076.42)	51,389	(\$2,055.56)	8,535	(\$3,499.35)	1,075	(\$3,268.00)
Sep-17	(\$19,203)	447,573	(\$8,951.46)	51,259	(\$2,050.36)	8,258	(\$3,385.78)	1,018	(\$3,094.72)
(3) Total	(\$230,607)		(\$105,927)		(\$24,292)		(\$41,451)		(\$38,529)
(4) Ending Over(Under) Recovery	\$43,967		\$38,995		\$2,368		(\$1,145)		(\$574)

	(b)	(c)	Lighting S-05/ S-06/ S-10 / S-14		(b)	(c)
			(b)	(c)		
(1) Beginning Over(Under) Recovery		\$9,554		\$14,315		\$862
(2) REG Reconciling Factor		(\$67.17)		(\$0.01)		(\$72.73)
	<u>Total Bills</u>	<u>Reconciling Factor Revenue</u>	<u>Billed Luminaires</u>	<u>Reconciling Factor Revenue</u>	<u>Total Bills</u>	<u>CapEx Reconciling Factor Revenue</u>
Oct-16	12	(\$806.04)	86,117	(\$861.17)	1	(\$72.73)
Nov-16	12	(\$806.04)	86,074	(\$860.74)	1	(\$72.73)
Dec-16	12	(\$806.04)	86,069	(\$860.69)	1	(\$72.73)
Jan-17	14	(\$940.38)	86,091	(\$860.91)	1	(\$72.73)
Feb-17	13	(\$873.21)	86,081	(\$860.81)	1	(\$72.73)
Mar-17	13	(\$873.21)	86,038	(\$860.38)	1	(\$72.73)
Apr-17	13	(\$873.21)	48,147	(\$481.47)	1	(\$72.73)
May-17	12	(\$806.04)	(55,076)	\$550.76	1	(\$72.73)
Jun-17	14	(\$940.38)	124,621	(\$1,246.21)	1	(\$72.73)
Jul-17	13	(\$873.21)	121,821	(\$1,218.21)	1	(\$72.73)
Aug-17	13	(\$873.21)	85,743	(\$857.43)	1	(\$72.73)
Sep-17	13	(\$873.21)	77,430	(\$774.30)	1	(\$72.73)
(3) Total	154	(\$10,344)	919,156	(\$9,192)	12	(\$873)
(4) Ending Over(Under) Recovery		(\$790)		\$5,123		(\$11)

(1) per RIPUC Docket No. 4626, Attachment NG-3, page 1, line (9)
(2) per RIPUC Docket No. 4626, Attachment NG-1, page 1, line (2)
(3) sum of revenue
(4) Line (1) + Line (3)

(a) sum of Column (b) from each rate
(b) from Company revenue reports
(c) Column (b) x Line (2)

Renewable Energy Growth Program
RE Growth Reconciliation of Prior Period Under Recovery
For the Period April 1, 2016 through March 31, 2017
For the Recovery Period October 1, 2017 through September 30, 2018

	Total (a)	Residential A-16 / A-60		Small C&I C-06/C-08		General C&I G-02		200 kW Demand B-32 / G-32	
		(b)	(c)	(b)	(c)	(b)	(c)	(b)	(c)
(1) Beginning Over(Under) Recovery	(\$281,221)		(\$148,431)		(\$27,305)		(\$41,282)		(\$38,874)
(2) REG Reconciling Factor			\$0.02		\$0.04		\$0.41		\$3.09
		<u>Total Bills</u>	<u>Reconciling Factor Revenue</u>	<u>Total Bills</u>	<u>Reconciling Factor Revenue</u>	<u>Total Bills</u>	<u>Reconciling Factor Revenue</u>	<u>Total Bills</u>	<u>CapEx Reconciling Factor Revenue</u>
Oct-17	\$18,756	419,236	\$8,385	48,897	\$1,956	8,381	\$3,436	1,082	\$3,343
Nov-17	\$19,906	464,552	\$9,291	53,248	\$2,130	8,700	\$3,567	1,040	\$3,214
Dec-17	\$17,995	415,853	\$8,317	48,166	\$1,927	7,996	\$3,278	1,026	\$3,170
Jan-18	\$19,974	458,064	\$9,161	52,195	\$2,088	8,692	\$3,564	1,089	\$3,365
Feb-18	\$20,182	447,284	\$8,946	51,608	\$2,064	8,295	\$3,401	1,036	\$3,201
Mar-18	\$18,719	422,724	\$8,454	49,505	\$1,980	8,144	\$3,339	1,038	\$3,207
Apr-18	\$19,552	443,445	\$8,869	51,246	\$2,050	8,533	\$3,499	1,077	\$3,328
May-18	\$20,081	470,640	\$9,413	53,125	\$2,125	8,609	\$3,530	1,060	\$3,275
Jun-18	\$0	-	\$0	-	\$0	-	\$0	-	\$0
Jul-18	\$0	-	\$0	-	\$0	-	\$0	-	\$0
Aug-18	\$0	-	\$0	-	\$0	-	\$0	-	\$0
Sep-18	\$0	-	\$0	-	\$0	-	\$0	-	\$0
(3) Total	\$155,164		\$70,836		\$16,320		\$27,614		\$26,104
(4) Ending Over(Under) Recovery	(\$126,056)		(\$77,595)		(\$10,986)		(\$13,668)		(\$12,770)

	Total (a)	3000 kW Demand B-62 / G-62		Lighting S-05/ S-06/ S-10 / S-14		Propulsion X-01	
		(b)	(c)	(b)	(c)	(b)	(c)
(1) Beginning Over(Under) Recovery			(\$9,785)		(\$14,662)		(\$883)
(2) REG Reconciling Factor			\$68.80		\$0.01		\$74.50
		<u>Total Bills</u>	<u>Reconciling Factor Revenue</u>	<u>Billed Luminaires</u>	<u>Reconciling Factor Revenue</u>	<u>Total Bills</u>	<u>CapEx Reconciling Factor Revenue</u>
Oct-17		13	\$894	66,650	\$666	1	\$75
Nov-17		13	\$894	73,514	\$735	1	\$75
Dec-17		6	\$413	81,497	\$815	1	\$75
Jan-18		13	\$894	82,753	\$828	1	\$75
Feb-18		11	\$757	173,884	\$1,739	1	\$75
Mar-18		12	\$826	83,818	\$838	1	\$75
Apr-18		13	\$894	83,777	\$838	1	\$75
May-18		12	\$826	83,776	\$838	1	\$75
Jun-18		-	\$0	-	\$0	-	\$0
Jul-18		-	\$0	-	\$0	-	\$0
Aug-18		-	\$0	-	\$0	-	\$0
Sep-18		-	\$0	-	\$0	-	\$0
(3) Total		93	\$6,398	729,668	\$7,297	8	\$596
(4) Ending Over(Under) Recovery			(\$3,386)		(\$7,365)		(\$287)

(1) per RIPUC Docket No. 4707, Attachment ASC-3, page 1, line (9)
(2) per RIPUC Docket No. 4707, Attachment ASC-1, page 1, line (2)
(3) sum of revenue
(4) Line (1) + Line (3)

(a) sum of Column (b) from each rate
(b) from Company revenue reports
(c) Column (b) x Line (2)

Schedule NG – 4A

The Narragansett Electric Company
d/b/a National Grid
Renewable Energy Growth Program
Revenue Requirement Summary for Phase 1 and 2 Billing System Capital Modifications

Mth/Yr	Capital Costs (a)	Accumulated Amortization (b)	Net Plant (c)=(a)+(b)	Accumulated Deferred Taxes (d)	Excess Deferred Taxes (e)	End of Month Rate Base (f)=(c)+(d)+(e)	Pre Tax Rate of Return (g)	Return & Taxes (h)=(f)x(g) x(1/12)	Amortization (i)	Monthly Revenue Requirement (j)=(h)+(i)
(1) Apr-16	\$440,739	(\$2,623)	\$438,115	(\$77,282)	\$0	\$360,833	9.68%	\$2,912	\$2,623	\$5,535
(2) May-16	\$440,739	(\$7,870)	\$432,868	(\$77,588)	\$0	\$355,280	9.68%	\$2,867	\$5,247	\$8,114
(3) Jun-16	\$440,739	(\$13,117)	\$427,622	(\$77,894)	\$0	\$349,728	9.68%	\$2,822	\$5,247	\$8,069
(4) Jul-16	\$440,739	(\$18,364)	\$422,375	(\$78,201)	\$0	\$344,174	9.68%	\$2,778	\$5,247	\$8,025
(5) Aug-16	\$440,739	(\$23,611)	\$417,128	(\$78,507)	\$0	\$338,621	9.68%	\$2,733	\$5,247	\$7,980
(6) Sep-16	\$440,739	(\$28,858)	\$411,881	(\$78,813)	\$0	\$333,068	9.68%	\$2,688	\$5,247	\$7,935
(7) Oct-16	\$440,739	(\$34,105)	\$406,634	(\$79,119)	\$0	\$327,515	9.68%	\$2,643	\$5,247	\$7,890
(8) Nov-16	\$440,739	(\$39,352)	\$401,387	(\$79,425)	\$0	\$321,962	9.68%	\$2,598	\$5,247	\$7,845
(9) Dec-16	\$440,739	(\$44,599)	\$396,140	(\$79,731)	\$0	\$316,409	9.68%	\$2,554	\$5,247	\$7,801
(10) Jan-17	\$440,739	(\$49,845)	\$390,893	(\$80,037)	\$0	\$310,856	9.68%	\$2,509	\$5,247	\$7,756
(11) Feb-17	\$440,739	(\$55,092)	\$385,646	(\$80,343)	\$0	\$305,303	9.68%	\$2,464	\$5,247	\$7,711
(12) Mar-17	\$440,739	(\$60,339)	\$380,400	(\$80,649)	\$0	\$299,751	9.68%	\$2,419	\$5,247	\$7,666
(13) Apr-17	\$440,739	(\$65,586)	\$375,153	(\$80,955)	\$0	\$294,198	9.68%	\$2,374	\$5,247	\$7,621
(14) May-17	\$440,739	(\$70,833)	\$369,906	(\$81,261)	\$0	\$288,645	9.68%	\$2,330	\$5,247	\$7,577
(15) Jun-17	\$440,739	(\$76,080)	\$364,659	(\$81,567)	\$0	\$283,092	9.68%	\$2,285	\$5,247	\$7,532
(16) Jul-17	\$440,739	(\$81,327)	\$359,412	(\$81,873)	\$0	\$277,539	9.68%	\$2,240	\$5,247	\$7,487
(17) Aug-17	\$440,739	(\$86,574)	\$354,165	(\$82,179)	\$0	\$271,986	9.68%	\$2,195	\$5,247	\$7,442
(18) Sep-17	\$440,739	(\$91,821)	\$348,918	(\$82,485)	\$0	\$266,433	9.68%	\$2,150	\$5,247	\$7,397
(19) Oct-17	\$440,739	(\$97,067)	\$343,671	(\$82,792)	\$0	\$260,879	9.68%	\$2,105	\$5,247	\$7,352
(20) Nov-17	\$440,739	(\$102,314)	\$338,424	(\$83,098)	\$0	\$255,326	9.68%	\$2,061	\$5,247	\$7,308
(21) Dec-17	\$440,739	(\$107,561)	\$333,178	(\$83,404)	\$0	\$249,774	9.68%	\$2,016	\$5,247	\$7,263
(22) Jan-18	\$440,739	(\$112,808)	\$327,931	(\$50,226)	(\$33,362)	\$244,343	8.41%	\$1,712	\$5,247	\$6,959
(23) Feb-18	\$440,739	(\$118,055)	\$322,684	(\$50,409)	(\$33,362)	\$238,913	8.41%	\$1,674	\$5,247	\$6,921
(24) Mar-18	\$440,739	(\$123,302)	\$317,437	(\$50,593)	(\$33,362)	\$233,482	8.41%	\$1,636	\$5,247	\$6,883
(25) Apr-18	\$440,739	(\$128,549)	\$312,190	(\$50,777)	(\$33,362)	\$228,051	8.41%	\$1,598	\$5,247	\$6,845
(26) May-18	\$440,739	(\$133,796)	\$306,943	(\$50,960)	(\$33,362)	\$222,621	8.41%	\$1,560	\$5,247	\$6,807
(27) Jun-18	\$440,739	(\$139,043)	\$301,696	(\$51,144)	(\$33,362)	\$217,191	8.41%	\$1,522	\$5,247	\$6,769
(28) Jul-18	\$440,739	(\$144,289)	\$296,449	(\$51,328)	(\$33,362)	\$211,760	8.41%	\$1,484	\$5,247	\$6,731
(29) Aug-18	\$440,739	(\$149,536)	\$291,202	(\$51,511)	(\$33,362)	\$206,330	8.41%	\$1,446	\$5,247	\$6,693
(30) Sep-18	\$440,739	(\$154,783)	\$285,956	(\$51,695)	(\$32,766)	\$201,495	8.41%	\$1,412	\$5,247	\$6,659
(31) Oct-18	\$440,739	(\$160,030)	\$280,709	(\$51,879)	(\$32,170)	\$196,660	8.41%	\$1,378	\$5,247	\$6,625
(32) Nov-18	\$440,739	(\$165,277)	\$275,462	(\$52,062)	(\$31,574)	\$191,825	8.41%	\$1,344	\$5,247	\$6,591
(33) Dec-18	\$1,772,230	(\$178,449)	\$1,593,780	(\$330,195)	(\$30,979)	\$1,232,607	8.41%	\$8,638	\$13,172	\$21,810
(34) Jan-19	\$1,772,230	(\$199,547)	\$1,572,682	(\$327,050)	(\$30,383)	\$1,215,249	8.41%	\$8,517	\$21,098	\$29,615
(35) Feb-19	\$1,772,230	(\$220,645)	\$1,551,584	(\$323,904)	(\$29,787)	\$1,197,893	8.41%	\$8,396	\$21,098	\$29,494
(36) Mar-19	\$1,772,230	(\$241,743)	\$1,530,486	(\$320,760)	(\$29,191)	\$1,180,535	8.41%	\$8,274	\$21,098	\$29,372
(37) Apr-19	\$1,772,230	(\$262,841)	\$1,509,388	(\$316,972)	(\$28,596)	\$1,163,821	8.41%	\$8,156	\$21,098	\$29,254
(38) May-19	\$1,772,230	(\$283,939)	\$1,488,290	(\$312,541)	(\$28,000)	\$1,147,750	8.41%	\$8,044	\$21,098	\$29,142
(39) Jun-19	\$1,772,230	(\$305,037)	\$1,467,192	(\$308,110)	(\$27,404)	\$1,131,678	8.41%	\$7,931	\$21,098	\$29,029
(40) Jul-19	\$1,772,230	(\$326,135)	\$1,446,094	(\$303,680)	(\$26,808)	\$1,115,606	8.41%	\$7,819	\$21,098	\$28,917
(41) Aug-19	\$1,772,230	(\$347,233)	\$1,424,996	(\$299,249)	(\$26,213)	\$1,099,535	8.41%	\$7,706	\$21,098	\$28,804
(42) Sep-19	\$1,772,230	(\$368,331)	\$1,403,899	(\$294,818)	(\$25,617)	\$1,083,464	8.41%	\$7,593	\$21,098	\$28,691
(43) Oct-19	\$1,772,230	(\$389,429)	\$1,382,801	(\$290,388)	(\$25,021)	\$1,067,391	8.41%	\$7,480	\$21,098	\$28,578
(44) Nov-19	\$1,772,230	(\$410,527)	\$1,361,703	(\$285,958)	(\$24,425)	\$1,051,319	8.41%	\$7,368	\$21,098	\$28,466
(45) Dec-19	\$1,772,230	(\$431,625)	\$1,340,605	(\$281,527)	(\$23,830)	\$1,035,248	8.41%	\$7,255	\$21,098	\$28,353
(46) Jan-20	\$1,772,230	(\$452,723)	\$1,319,507	(\$277,096)	(\$23,234)	\$1,019,177	8.41%	\$7,143	\$21,098	\$28,241
(47) Feb-20	\$1,772,230	(\$473,821)	\$1,298,409	(\$272,666)	(\$22,638)	\$1,003,104	8.41%	\$7,030	\$21,098	\$28,128
(48) Mar-20	\$1,772,230	(\$494,919)	\$1,277,311	(\$268,235)	(\$22,042)	\$987,033	8.41%	\$6,918	\$21,098	\$28,016
(49) Apr-20	\$1,772,230	(\$516,017)	\$1,256,213	(\$263,805)	(\$21,447)	\$970,961	8.41%	\$6,805	\$21,098	\$27,903
(50) May-20	\$1,772,230	(\$537,115)	\$1,235,115	(\$259,374)	(\$20,851)	\$954,890	8.41%	\$6,692	\$21,098	\$27,790
(51) Jun-20	\$1,772,230	(\$558,213)	\$1,214,017	(\$254,944)	(\$20,255)	\$938,818	8.41%	\$6,579	\$21,098	\$27,677
(52) Jul-20	\$1,772,230	(\$579,311)	\$1,192,919	(\$250,513)	(\$19,660)	\$922,746	8.41%	\$6,467	\$21,098	\$27,565
(53) Aug-20	\$1,772,230	(\$600,409)	\$1,171,821	(\$246,082)	(\$19,064)	\$906,675	8.41%	\$6,354	\$21,098	\$27,452
(54) Sep-20	\$1,772,230	(\$621,507)	\$1,150,723	(\$241,651)	(\$18,468)	\$890,604	8.41%	\$6,242	\$21,098	\$27,340
(55) Oct-20	\$1,772,230	(\$642,605)	\$1,129,625	(\$237,221)	(\$17,872)	\$874,532	8.41%	\$6,129	\$21,098	\$27,227
(56) Nov-20	\$1,772,230	(\$663,703)	\$1,108,527	(\$232,791)	(\$17,277)	\$858,459	8.41%	\$6,017	\$21,098	\$27,115
(57) Dec-20	\$1,772,230	(\$684,801)	\$1,087,429	(\$228,360)	(\$16,681)	\$842,388	8.41%	\$5,904	\$21,098	\$27,002
(58) Jan-21	\$1,772,230	(\$705,899)	\$1,066,331	(\$223,930)	(\$16,085)	\$826,316	8.41%	\$5,791	\$21,098	\$26,889
(59) Feb-21	\$1,772,230	(\$726,997)	\$1,045,233	(\$219,499)	(\$15,489)	\$810,245	8.41%	\$5,678	\$21,098	\$26,776
(60) Mar-21	\$1,772,230	(\$748,095)	\$1,024,135	(\$215,068)	(\$14,894)	\$794,173	8.41%	\$5,565	\$21,098	\$26,663

- (a) Pages 3 and 4, Column (a) plus Pages 10 and 11, Column (a)
- (b) Pages 3 and 4, Column (b) plus Pages 10 and 11, Column (b)
- (d) Pages 3 and 4, Column (d) plus Pages 10 and 11, Column (d)
- (e) Pages 3 and 4, Column (e)
- (g) Page 17, Column (e) based on effective date
- (h) Pages 3 and 4, Column (i) plus Pages 10 and 11, Column (h)

The Narragansett Electric Company
d/b/a National Grid
RE Growth Program
Revenue Requirement Summary for Phase 1 and 2 Billing System Capital Modifications (cont.)

Mth/Yr	Capital Costs (a)	Accumulated Amortization (b)	Net Plant (c)=(a)+(b)	Accumulated Deferred Taxes (d)	Excess Deferred Taxes (e)	End of Month Rate Base (f)=(c)+(d)+(e)	Pre Tax Rate of Return (g)	Return & Taxes (h)=(f)x(g) x(1/12)	Amortization (i)	Monthly Revenue Requirement (j)=(h)+(i)
(61) Apr-21	\$1,772,230	(\$769,193)	\$1,003,037	(\$210,637)	(\$14,298)	\$778,102	8.41%	\$5,453	\$21,098	\$26,551
(62) May-21	\$1,772,230	(\$790,291)	\$981,939	(\$206,208)	(\$13,702)	\$762,029	8.41%	\$5,341	\$21,098	\$26,439
(63) Jun-21	\$1,772,230	(\$811,389)	\$960,841	(\$201,777)	(\$13,106)	\$745,958	8.41%	\$5,228	\$21,098	\$26,326
(64) Jul-21	\$1,772,230	(\$832,487)	\$939,743	(\$197,346)	(\$12,511)	\$729,887	8.41%	\$5,115	\$21,098	\$26,213
(65) Aug-21	\$1,772,230	(\$853,585)	\$918,645	(\$192,915)	(\$11,915)	\$713,815	8.41%	\$5,003	\$21,098	\$26,101
(66) Sep-21	\$1,772,230	(\$874,683)	\$897,547	(\$188,485)	(\$11,319)	\$697,743	8.41%	\$4,890	\$21,098	\$25,988
(67) Oct-21	\$1,772,230	(\$895,781)	\$876,449	(\$184,054)	(\$10,723)	\$681,672	8.41%	\$4,777	\$21,098	\$25,875
(68) Nov-21	\$1,772,230	(\$916,879)	\$855,351	(\$179,623)	(\$10,128)	\$665,601	8.41%	\$4,664	\$21,098	\$25,762
(69) Dec-21	\$1,772,230	(\$937,977)	\$834,253	(\$175,194)	(\$9,532)	\$649,527	8.41%	\$4,552	\$21,098	\$25,650
(70) Jan-22	\$1,772,230	(\$959,074)	\$813,155	(\$170,763)	(\$8,936)	\$633,456	8.41%	\$4,440	\$21,098	\$25,538
(71) Feb-22	\$1,772,230	(\$980,172)	\$792,057	(\$166,332)	(\$8,340)	\$617,385	8.41%	\$4,327	\$21,098	\$25,425
(72) Mar-22	\$1,772,230	(\$1,001,270)	\$770,959	(\$161,901)	(\$7,745)	\$601,314	8.41%	\$4,214	\$21,098	\$25,312
(73) Apr-22	\$1,772,230	(\$1,022,368)	\$749,861	(\$157,471)	(\$7,149)	\$585,241	8.41%	\$4,102	\$21,098	\$25,200
(74) May-22	\$1,772,230	(\$1,043,466)	\$728,763	(\$153,040)	(\$6,553)	\$569,170	8.41%	\$3,989	\$21,098	\$25,087
(75) Jun-22	\$1,772,230	(\$1,064,564)	\$707,665	(\$148,610)	(\$5,957)	\$553,098	8.41%	\$3,876	\$21,098	\$24,974
(76) Jul-22	\$1,772,230	(\$1,085,662)	\$686,567	(\$144,179)	(\$5,362)	\$537,027	8.41%	\$3,763	\$21,098	\$24,861
(77) Aug-22	\$1,772,230	(\$1,106,760)	\$665,469	(\$139,749)	(\$4,766)	\$520,955	8.41%	\$3,651	\$21,098	\$24,749
(78) Sep-22	\$1,772,230	(\$1,127,858)	\$644,371	(\$135,318)	(\$4,170)	\$504,883	8.41%	\$3,539	\$21,098	\$24,637
(79) Oct-22	\$1,772,230	(\$1,148,956)	\$623,274	(\$130,887)	(\$3,574)	\$488,812	8.41%	\$3,426	\$21,098	\$24,524
(80) Nov-22	\$1,772,230	(\$1,170,054)	\$602,176	(\$126,457)	(\$2,979)	\$472,740	8.41%	\$3,313	\$21,098	\$24,411
(81) Dec-22	\$1,772,230	(\$1,191,152)	\$581,078	(\$122,026)	(\$2,383)	\$456,669	8.41%	\$3,201	\$21,098	\$24,299
(82) Jan-23	\$1,772,230	(\$1,212,250)	\$559,980	(\$117,596)	(\$1,787)	\$440,596	8.41%	\$3,088	\$21,098	\$24,186
(83) Feb-23	\$1,772,230	(\$1,233,348)	\$538,882	(\$113,165)	(\$1,191)	\$424,525	8.41%	\$2,975	\$21,098	\$24,073
(84) Mar-23	\$1,772,230	(\$1,254,446)	\$517,784	(\$108,735)	(\$596)	\$408,453	8.41%	\$2,862	\$21,098	\$23,960
(85) Apr-23	\$1,772,230	(\$1,272,921)	\$499,309	(\$104,855)	\$0	\$394,454	8.41%	\$2,764	\$18,475	\$21,239
(86) May-23	\$1,331,491	(\$848,033)	\$483,458	(\$101,526)	\$0	\$381,932	8.41%	\$2,677	\$15,851	\$18,528
(87) Jun-23	\$1,331,491	(\$863,884)	\$467,607	(\$98,197)	\$0	\$369,410	8.41%	\$2,589	\$15,851	\$18,440
(88) Jul-23	\$1,331,491	(\$879,735)	\$451,756	(\$94,869)	\$0	\$356,887	8.41%	\$2,501	\$15,851	\$18,352
(89) Aug-23	\$1,331,491	(\$895,586)	\$435,905	(\$91,540)	\$0	\$344,365	8.41%	\$2,413	\$15,851	\$18,264
(90) Sep-23	\$1,331,491	(\$911,437)	\$420,054	(\$88,211)	\$0	\$331,843	8.41%	\$2,326	\$15,851	\$18,177
(91) Oct-23	\$1,331,491	(\$927,288)	\$404,203	(\$84,883)	\$0	\$319,320	8.41%	\$2,238	\$15,851	\$18,089
(92) Nov-23	\$1,331,491	(\$943,139)	\$388,352	(\$81,554)	\$0	\$306,798	8.41%	\$2,150	\$15,851	\$18,001
(93) Dec-23	\$1,331,491	(\$958,991)	\$372,500	(\$78,225)	\$0	\$294,275	8.41%	\$2,062	\$15,851	\$17,913
(94) Jan-24	\$1,331,491	(\$974,842)	\$356,649	(\$74,896)	\$0	\$281,753	8.41%	\$1,975	\$15,851	\$17,826
(95) Feb-24	\$1,331,491	(\$990,693)	\$340,798	(\$71,568)	\$0	\$269,230	8.41%	\$1,887	\$15,851	\$17,738
(96) Mar-24	\$1,331,491	(\$1,006,544)	\$324,947	(\$68,239)	\$0	\$256,708	8.41%	\$1,799	\$15,851	\$17,650
(97) Apr-24	\$1,331,491	(\$1,022,395)	\$309,096	(\$64,910)	\$0	\$244,186	8.41%	\$1,711	\$15,851	\$17,562
(98) May-24	\$1,331,491	(\$1,038,246)	\$293,245	(\$61,581)	\$0	\$231,664	8.41%	\$1,624	\$15,851	\$17,475
(99) Jun-24	\$1,331,491	(\$1,054,097)	\$277,394	(\$58,253)	\$0	\$219,141	8.41%	\$1,536	\$15,851	\$17,387
(100) Jul-24	\$1,331,491	(\$1,069,948)	\$261,543	(\$54,924)	\$0	\$206,619	8.41%	\$1,448	\$15,851	\$17,299
(101) Aug-24	\$1,331,491	(\$1,085,799)	\$245,692	(\$51,595)	\$0	\$194,097	8.41%	\$1,360	\$15,851	\$17,211
(102) Sep-24	\$1,331,491	(\$1,101,650)	\$229,841	(\$48,267)	\$0	\$181,574	8.41%	\$1,273	\$15,851	\$17,124
(103) Oct-24	\$1,331,491	(\$1,117,501)	\$213,990	(\$44,938)	\$0	\$169,052	8.41%	\$1,185	\$15,851	\$17,036
(104) Nov-24	\$1,331,491	(\$1,133,352)	\$198,139	(\$41,609)	\$0	\$156,530	8.41%	\$1,097	\$15,851	\$16,948
(105) Dec-24	\$1,331,491	(\$1,149,204)	\$182,287	(\$38,280)	\$0	\$144,007	8.41%	\$1,009	\$15,851	\$16,860
(106) Jan-25	\$1,331,491	(\$1,165,055)	\$166,436	(\$34,952)	\$0	\$131,484	8.41%	\$921	\$15,851	\$16,772
(107) Feb-25	\$1,331,491	(\$1,180,906)	\$150,585	(\$31,623)	\$0	\$118,962	8.41%	\$834	\$15,851	\$16,685
(108) Mar-25	\$1,331,491	(\$1,196,757)	\$134,734	(\$28,294)	\$0	\$106,440	8.41%	\$746	\$15,851	\$16,597
(109) Apr-25	\$1,331,491	(\$1,212,608)	\$118,883	(\$24,965)	\$0	\$93,918	8.41%	\$658	\$15,851	\$16,509
(110) May-25	\$1,331,491	(\$1,228,459)	\$103,032	(\$21,637)	\$0	\$81,395	8.41%	\$570	\$15,851	\$16,421
(111) Jun-25	\$1,331,491	(\$1,244,310)	\$87,181	(\$18,308)	\$0	\$68,873	8.41%	\$483	\$15,851	\$16,334
(112) Jul-25	\$1,331,491	(\$1,260,161)	\$71,330	(\$14,979)	\$0	\$56,351	8.41%	\$395	\$15,851	\$16,246
(113) Aug-25	\$1,331,491	(\$1,276,012)	\$55,479	(\$11,651)	\$0	\$43,828	8.41%	\$307	\$15,851	\$16,158
(114) Sep-25	\$1,331,491	(\$1,291,863)	\$39,628	(\$8,322)	\$0	\$31,306	8.41%	\$219	\$15,851	\$16,070
(115) Oct-25	\$1,331,491	(\$1,307,714)	\$23,777	(\$4,993)	\$0	\$18,784	8.41%	\$132	\$15,851	\$15,983
(116) Nov-25	\$1,331,491	(\$1,323,565)	\$7,926	(\$1,664)	\$0	\$6,262	8.41%	\$44	\$15,851	\$15,895
(117) Dec-25	\$1,331,491	(\$1,331,491)	\$0	\$0	\$0	\$0	8.41%	\$0	\$7,926	\$7,926

- (a) Pages 3 and 4, Column (a) plus Pages 10 and 11, Column (a)
- (b) Pages 3 and 4, Column (b) plus Pages 10 and 11, Column (b)
- (d) Pages 3 and 4, Column (d) plus Pages 10 and 11, Column (d)
- (e) Pages 3 and 4, Column (e)
- (g) Page 17, Column (e) based on effective date
- (i) Pages 3 and 4, Column (i) plus Pages 10 and 11, Column (h)

The Narragansett Electric Company
d/b/a National Grid
Renewable Energy Growth Program
Revenue Requirement Calculation for Phase 1 Billing System Capital Modifications

Mth/Yr	Capital Costs (a)	Accumulated Amortization (b)	Net Plant (c)=(a)+(b)	Accumulated Deferred Taxes (d)	Excess Deferred Taxes (e)	End of Month Rate Base (f)=(c)+(d)+(e)	Pre Tax Rate of Return (g)	Return & Taxes (h)=(f)x(g) x(1/12)	Amortization (i)	Monthly Revenue Requirement (j)=(h)+(i)
(1) Apr-16	\$440,739	(\$2,623)	\$438,115	(\$77,282)	\$0	\$360,833	9.68%	\$2,912	\$2,623	\$5,535
(2) May-16	\$440,739	(\$7,870)	\$432,868	(\$77,588)	\$0	\$355,280	9.68%	\$2,867	\$5,247	\$8,114
(3) Jun-16	\$440,739	(\$13,117)	\$427,622	(\$77,894)	\$0	\$349,728	9.68%	\$2,822	\$5,247	\$8,069
(4) Jul-16	\$440,739	(\$18,364)	\$422,375	(\$78,201)	\$0	\$344,174	9.68%	\$2,778	\$5,247	\$8,025
(5) Aug-16	\$440,739	(\$23,611)	\$417,128	(\$78,507)	\$0	\$338,621	9.68%	\$2,733	\$5,247	\$7,980
(6) Sep-16	\$440,739	(\$28,858)	\$411,881	(\$78,813)	\$0	\$333,068	9.68%	\$2,688	\$5,247	\$7,935
(7) Oct-16	\$440,739	(\$34,105)	\$406,634	(\$79,119)	\$0	\$327,515	9.68%	\$2,643	\$5,247	\$7,890
(8) Nov-16	\$440,739	(\$39,352)	\$401,387	(\$79,425)	\$0	\$321,962	9.68%	\$2,598	\$5,247	\$7,845
(9) Dec-16	\$440,739	(\$44,599)	\$396,140	(\$79,731)	\$0	\$316,409	9.68%	\$2,554	\$5,247	\$7,801
(10) Jan-17	\$440,739	(\$49,845)	\$390,893	(\$80,037)	\$0	\$310,856	9.68%	\$2,509	\$5,247	\$7,756
(11) Feb-17	\$440,739	(\$55,092)	\$385,646	(\$80,343)	\$0	\$305,303	9.68%	\$2,464	\$5,247	\$7,711
(12) Mar-17	\$440,739	(\$60,339)	\$380,400	(\$80,649)	\$0	\$299,751	9.68%	\$2,419	\$5,247	\$7,666
(13) Apr-17	\$440,739	(\$65,586)	\$375,153	(\$80,955)	\$0	\$294,198	9.68%	\$2,374	\$5,247	\$7,621
(14) May-17	\$440,739	(\$70,833)	\$369,906	(\$81,261)	\$0	\$288,645	9.68%	\$2,330	\$5,247	\$7,577
(15) Jun-17	\$440,739	(\$76,080)	\$364,659	(\$81,567)	\$0	\$283,092	9.68%	\$2,285	\$5,247	\$7,532
(16) Jul-17	\$440,739	(\$81,327)	\$359,412	(\$81,873)	\$0	\$277,539	9.68%	\$2,240	\$5,247	\$7,487
(17) Aug-17	\$440,739	(\$86,574)	\$354,165	(\$82,179)	\$0	\$271,986	9.68%	\$2,195	\$5,247	\$7,442
(18) Sep-17	\$440,739	(\$91,821)	\$348,918	(\$82,485)	\$0	\$266,433	9.68%	\$2,150	\$5,247	\$7,397
(19) Oct-17	\$440,739	(\$97,067)	\$343,671	(\$82,792)	\$0	\$260,879	9.68%	\$2,105	\$5,247	\$7,352
(20) Nov-17	\$440,739	(\$102,314)	\$338,424	(\$83,098)	\$0	\$255,326	9.68%	\$2,061	\$5,247	\$7,308
(21) Dec-17	\$440,739	(\$107,561)	\$333,178	(\$83,404)	\$0	\$249,774	9.68%	\$2,016	\$5,247	\$7,263
(22) Jan-18	\$440,739	(\$112,808)	\$327,931	(\$50,226)	(\$33,362)	\$244,343	8.41%	\$1,712	\$5,247	\$6,959
(23) Feb-18	\$440,739	(\$118,055)	\$322,684	(\$50,409)	(\$33,362)	\$238,913	8.41%	\$1,674	\$5,247	\$6,921
(24) Mar-18	\$440,739	(\$123,302)	\$317,437	(\$50,593)	(\$33,362)	\$233,482	8.41%	\$1,636	\$5,247	\$6,883
(25) Apr-18	\$440,739	(\$128,549)	\$312,190	(\$50,777)	(\$33,362)	\$228,051	8.41%	\$1,598	\$5,247	\$6,845
(26) May-18	\$440,739	(\$133,796)	\$306,943	(\$50,960)	(\$33,362)	\$222,621	8.41%	\$1,560	\$5,247	\$6,807
(27) Jun-18	\$440,739	(\$139,043)	\$301,696	(\$51,144)	(\$33,362)	\$217,191	8.41%	\$1,522	\$5,247	\$6,769
(28) Jul-18	\$440,739	(\$144,289)	\$296,449	(\$51,328)	(\$33,362)	\$211,760	8.41%	\$1,484	\$5,247	\$6,731
(29) Aug-18	\$440,739	(\$149,536)	\$291,202	(\$51,511)	(\$33,362)	\$206,330	8.41%	\$1,446	\$5,247	\$6,693
(30) Sep-18	\$440,739	(\$154,783)	\$285,956	(\$51,695)	(\$32,766)	\$201,495	8.41%	\$1,412	\$5,247	\$6,659
(31) Oct-18	\$440,739	(\$160,030)	\$280,709	(\$51,879)	(\$32,170)	\$196,660	8.41%	\$1,378	\$5,247	\$6,625
(32) Nov-18	\$440,739	(\$165,277)	\$275,462	(\$52,062)	(\$31,574)	\$191,825	8.41%	\$1,344	\$5,247	\$6,591
(33) Dec-18	\$440,739	(\$170,524)	\$270,215	(\$52,246)	(\$30,979)	\$186,990	8.41%	\$1,310	\$5,247	\$6,557
(34) Jan-19	\$440,739	(\$175,771)	\$264,968	(\$52,430)	(\$30,383)	\$182,155	8.41%	\$1,277	\$5,247	\$6,524
(35) Feb-19	\$440,739	(\$181,018)	\$259,721	(\$52,613)	(\$29,787)	\$177,321	8.41%	\$1,243	\$5,247	\$6,490
(36) Mar-19	\$440,739	(\$186,265)	\$254,474	(\$52,797)	(\$29,191)	\$172,486	8.41%	\$1,209	\$5,247	\$6,456
(37) Apr-19	\$440,739	(\$191,511)	\$249,227	(\$52,338)	(\$28,596)	\$168,294	8.41%	\$1,179	\$5,247	\$6,426
(38) May-19	\$440,739	(\$196,758)	\$243,980	(\$51,236)	(\$28,000)	\$164,744	8.41%	\$1,155	\$5,247	\$6,402
(39) Jun-19	\$440,739	(\$202,005)	\$238,733	(\$50,134)	(\$27,404)	\$161,195	8.41%	\$1,130	\$5,247	\$6,377
(40) Jul-19	\$440,739	(\$207,252)	\$233,487	(\$49,032)	(\$26,808)	\$157,646	8.41%	\$1,105	\$5,247	\$6,352
(41) Aug-19	\$440,739	(\$212,499)	\$228,240	(\$47,930)	(\$26,213)	\$154,097	8.41%	\$1,080	\$5,247	\$6,327
(42) Sep-19	\$440,739	(\$217,746)	\$222,993	(\$46,828)	(\$25,617)	\$150,548	8.41%	\$1,055	\$5,247	\$6,302
(43) Oct-19	\$440,739	(\$222,993)	\$217,746	(\$45,727)	(\$25,021)	\$146,998	8.41%	\$1,030	\$5,247	\$6,277
(44) Nov-19	\$440,739	(\$228,240)	\$212,499	(\$44,625)	(\$24,425)	\$143,449	8.41%	\$1,005	\$5,247	\$6,252
(45) Dec-19	\$440,739	(\$233,487)	\$207,252	(\$43,523)	(\$23,830)	\$139,899	8.41%	\$980	\$5,247	\$6,227
(46) Jan-20	\$440,739	(\$238,733)	\$202,005	(\$42,421)	(\$23,234)	\$136,350	8.41%	\$956	\$5,247	\$6,203
(47) Feb-20	\$440,739	(\$243,980)	\$196,758	(\$41,319)	(\$22,638)	\$132,801	8.41%	\$931	\$5,247	\$6,178
(48) Mar-20	\$440,739	(\$249,227)	\$191,511	(\$40,217)	(\$22,042)	\$129,252	8.41%	\$906	\$5,247	\$6,153
(49) Apr-20	\$440,739	(\$254,474)	\$186,265	(\$39,116)	(\$21,447)	\$125,702	8.41%	\$881	\$5,247	\$6,128
(50) May-20	\$440,739	(\$259,721)	\$181,018	(\$38,014)	(\$20,851)	\$122,153	8.41%	\$856	\$5,247	\$6,103
(51) Jun-20	\$440,739	(\$264,968)	\$175,771	(\$36,912)	(\$20,255)	\$118,604	8.41%	\$831	\$5,247	\$6,078
(52) Jul-20	\$440,739	(\$270,215)	\$170,524	(\$35,810)	(\$19,660)	\$115,054	8.41%	\$806	\$5,247	\$6,053
(53) Aug-20	\$440,739	(\$275,462)	\$165,277	(\$34,708)	(\$19,064)	\$111,505	8.41%	\$781	\$5,247	\$6,028
(54) Sep-20	\$440,739	(\$280,709)	\$160,030	(\$33,606)	(\$18,468)	\$107,956	8.41%	\$757	\$5,247	\$6,004
(55) Oct-20	\$440,739	(\$285,956)	\$154,783	(\$32,504)	(\$17,872)	\$104,407	8.41%	\$732	\$5,247	\$5,979
(56) Nov-20	\$440,739	(\$291,202)	\$149,536	(\$31,403)	(\$17,277)	\$100,857	8.41%	\$707	\$5,247	\$5,954
(57) Dec-20	\$440,739	(\$296,449)	\$144,289	(\$30,301)	(\$16,681)	\$97,308	8.41%	\$682	\$5,247	\$5,929
(58) Jan-21	\$440,739	(\$301,696)	\$139,043	(\$29,199)	(\$16,085)	\$93,759	8.41%	\$657	\$5,247	\$5,904
(59) Feb-21	\$440,739	(\$306,943)	\$133,796	(\$28,097)	(\$15,489)	\$90,209	8.41%	\$632	\$5,247	\$5,879
(60) Mar-21	\$440,739	(\$312,190)	\$128,549	(\$26,995)	(\$14,894)	\$86,660	8.41%	\$607	\$5,247	\$5,854

- (a) Page 9, Line (8)
- (b) Less Pages 7 and 8, Column (b)
- (d) Less Pages 7 and 8, Column (g)
- (e) Pages 7 and 8, Column (h)
- (g) Page 17, Column (e) based on effective date
- (i) Pages 7 and 8, Column (a)

The Narragansett Electric Company
d/b/a National Grid
RE Growth Program
Revenue Requirement Calculation for Phase 1 Billing System Capital Modifications (cont.)

Mth/Yr	Capital Costs (a)	Accumulated Amortization (b)	Net Plant (c)=(a)+(b)	Accumulated Deferred Taxes (d)	Excess Deferred Taxes (e)	End of Month Rate Base (f)=(c)+(d)+(e)	Pre Tax Rate of Return (g)	Return & Taxes (h)=(f)x(g) x(1/12)	Amortization (i)	Monthly Revenue Requirement (j)=(h)+(i)
(61) Apr-21	\$440,739	(\$317,437)	\$123,302	(\$25,893)	(\$14,298)	\$83,111	8.41%	\$582	\$5,247	\$5,829
(62) May-21	\$440,739	(\$322,684)	\$118,055	(\$24,792)	(\$13,702)	\$79,561	8.41%	\$558	\$5,247	\$5,805
(63) Jun-21	\$440,739	(\$327,931)	\$112,808	(\$23,690)	(\$13,106)	\$76,012	8.41%	\$533	\$5,247	\$5,780
(64) Jul-21	\$440,739	(\$333,178)	\$107,561	(\$22,588)	(\$12,511)	\$72,463	8.41%	\$508	\$5,247	\$5,755
(65) Aug-21	\$440,739	(\$338,424)	\$102,314	(\$21,486)	(\$11,915)	\$68,913	8.41%	\$483	\$5,247	\$5,730
(66) Sep-21	\$440,739	(\$343,671)	\$97,067	(\$20,384)	(\$11,319)	\$65,364	8.41%	\$458	\$5,247	\$5,705
(67) Oct-21	\$440,739	(\$348,918)	\$91,821	(\$19,282)	(\$10,723)	\$61,815	8.41%	\$433	\$5,247	\$5,680
(68) Nov-21	\$440,739	(\$354,165)	\$86,574	(\$18,180)	(\$10,128)	\$58,266	8.41%	\$408	\$5,247	\$5,655
(69) Dec-21	\$440,739	(\$359,412)	\$81,327	(\$17,079)	(\$9,532)	\$54,716	8.41%	\$383	\$5,247	\$5,630
(70) Jan-22	\$440,739	(\$364,659)	\$76,080	(\$15,977)	(\$8,936)	\$51,167	8.41%	\$359	\$5,247	\$5,606
(71) Feb-22	\$440,739	(\$369,906)	\$70,833	(\$14,875)	(\$8,340)	\$47,618	8.41%	\$334	\$5,247	\$5,581
(72) Mar-22	\$440,739	(\$375,153)	\$65,586	(\$13,773)	(\$7,745)	\$44,068	8.41%	\$309	\$5,247	\$5,556
(73) Apr-22	\$440,739	(\$380,400)	\$60,339	(\$12,671)	(\$7,149)	\$40,519	8.41%	\$284	\$5,247	\$5,531
(74) May-22	\$440,739	(\$385,646)	\$55,092	(\$11,569)	(\$6,553)	\$36,970	8.41%	\$259	\$5,247	\$5,506
(75) Jun-22	\$440,739	(\$390,893)	\$49,845	(\$10,468)	(\$5,957)	\$33,420	8.41%	\$234	\$5,247	\$5,481
(76) Jul-22	\$440,739	(\$396,140)	\$44,599	(\$9,366)	(\$5,362)	\$29,871	8.41%	\$209	\$5,247	\$5,456
(77) Aug-22	\$440,739	(\$401,387)	\$39,352	(\$8,264)	(\$4,766)	\$26,322	8.41%	\$184	\$5,247	\$5,431
(78) Sep-22	\$440,739	(\$406,634)	\$34,105	(\$7,162)	(\$4,170)	\$22,773	8.41%	\$160	\$5,247	\$5,407
(79) Oct-22	\$440,739	(\$411,881)	\$28,858	(\$6,060)	(\$3,574)	\$19,223	8.41%	\$135	\$5,247	\$5,382
(80) Nov-22	\$440,739	(\$417,128)	\$23,611	(\$4,958)	(\$2,979)	\$15,674	8.41%	\$110	\$5,247	\$5,357
(81) Dec-22	\$440,739	(\$422,375)	\$18,364	(\$3,856)	(\$2,383)	\$12,125	8.41%	\$85	\$5,247	\$5,332
(82) Jan-23	\$440,739	(\$427,622)	\$13,117	(\$2,755)	(\$1,787)	\$8,575	8.41%	\$60	\$5,247	\$5,307
(83) Feb-23	\$440,739	(\$432,868)	\$7,870	(\$1,653)	(\$1,191)	\$5,026	8.41%	\$35	\$5,247	\$5,282
(84) Mar-23	\$440,739	(\$438,115)	\$2,623	(\$551)	(\$596)	\$1,477	8.41%	\$10	\$5,247	\$5,257
(85) Apr-23	\$440,739	(\$440,739)	(\$0)	\$0	\$0	(\$0)	8.41%	\$0	\$2,623	\$2,623

- (a) Page 9, Line (8)
- (b) Less Pages 7 and 8, Column (b)
- (d) Less Pages 7 and 8, Column (g)
- (e) Pages 7 and 8, Column (h)
- (g) Page 17, Column (e) based on effective date
- (i) Pages 7 and 8, Column (a)

The Narragansett Electric Company
d/b/a National Grid
Renewable Energy Growth Program
Revenue Requirement Phase 1 Billing System Capital Modifications Reconciliation

		Docket 4707	
	Current Monthly	Filing Previous	Current
Mth/Yr	Revenue	Monthly Revenue	vs
	Requirement	Requirement	Previous Filing
	(a)	(b)	(c)=(a)-(b)
(1) Apr-16	\$5,535	\$6,107	(\$572)
(2) May-16	\$8,114	\$8,688	(\$574)
(3) Jun-16	\$8,069	\$8,646	(\$577)
(4) Jul-16	\$8,025	\$8,603	(\$578)
(5) Aug-16	\$7,980	\$8,561	(\$581)
(6) Sep-16	\$7,935	\$8,518	(\$583)
(7) Oct-16	\$7,890	\$8,476	(\$586)
(8) Nov-16	\$7,845	\$8,433	(\$588)
(9) Dec-16	\$7,801	\$8,390	(\$589)
(10) Jan-17	\$7,756	\$8,348	(\$592)
(11) Feb-17	\$7,711	\$8,305	(\$594)
(12) Mar-17	\$7,666	\$8,263	(\$597)
(13)		Total	(\$7,011)

(a) Pages 3 and 4, Column (j)

(b) Docket 4707, Schedule ASC-4A, Pages 3 and 4, Column (i)

The Narragansett Electric Company
d/b/a National Grid
Renewable Energy Growth Program
Calculation of Tax Depreciation on Phase 1 Billing System Capital Modifications

		Fiscal Year 2017	Fiscal Year 2018	Fiscal Year 2019	Fiscal Year 2020
		(a)	(b)	(c)	(d)
<u>Bonus Depreciation</u>					
(1)	Plant Additions				
(2)	Percent of Plant Eligible for Bonus Depreciation				
(3)	Plant Eligible for Bonus Depreciation				
(4)	Bonus Depreciation Rate (April 2015 - March 2016)				
(5)	Bonus Depreciation				
<u>Remaining Tax Depreciation</u>					
(6)	Plant Additions				
(7)	Less Bonus Depreciation				
(8)	Remaining Plant Additions Subject to SL Tax Depreciation				
(9)	3-Year Straight Line Tax Depreciation Rates				
(10)	Remaining Tax Depreciation				
(11)	Cost of Removal				
(12)	Annual Tax Depreciation				
(12)	Sum of Lines (5), (10) and (11)				

The Narragansett Electric Company
d/b/a National Grid
Renewable Energy Growth Program
Calculation of Accumulated Deferred Taxes on Phase 1 Billing System Capital Modifications

(1)	Book cost	\$440,739
(2)	Book Useful life (months)	84
(3)	Monthly Book Amortization	\$5,247
(4)	Tax Useful life (months)	36
(5)	Monthly Tax Amortization	\$6,121

	Monthly Book Amortization	Accumulated Book Amortization	Monthly Tax Amortization	Accumulated Tax Amortization	Cumulative Book/Tax Timer	Effective Tax Rate	Accumulated Deferred Taxes	Excess Deferred Taxes	Total Deferred Taxes	
	(a)	(b)	(c)	(d)	(e)=(d)-(b)	(f)	(g)=(e)x(f)	(h)	(i)=(g)+(h)	
(6)	Apr-16	\$2,623	\$2,623	\$223,430	\$223,430	\$220,807	35.00%	\$77,282	\$0	\$77,282
(7)	May-16	\$5,247	\$7,870	\$6,121	\$229,551	\$221,681	35.00%	\$77,588	\$0	\$77,588
(8)	Jun-16	\$5,247	\$13,117	\$6,121	\$235,673	\$222,556	35.00%	\$77,894	\$0	\$77,894
(9)	Jul-16	\$5,247	\$18,364	\$6,121	\$241,794	\$223,430	35.00%	\$78,201	\$0	\$78,201
(10)	Aug-16	\$5,247	\$23,611	\$6,121	\$247,916	\$224,305	35.00%	\$78,507	\$0	\$78,507
(11)	Sep-16	\$5,247	\$28,858	\$6,121	\$254,037	\$225,179	35.00%	\$78,813	\$0	\$78,813
(12)	Oct-16	\$5,247	\$34,105	\$6,121	\$260,158	\$226,054	35.00%	\$79,119	\$0	\$79,119
(13)	Nov-16	\$5,247	\$39,352	\$6,121	\$266,280	\$226,928	35.00%	\$79,425	\$0	\$79,425
(14)	Dec-16	\$5,247	\$44,599	\$6,121	\$272,401	\$227,802	35.00%	\$79,731	\$0	\$79,731
(15)	Jan-17	\$5,247	\$49,845	\$6,121	\$278,522	\$228,677	35.00%	\$80,037	\$0	\$80,037
(16)	Feb-17	\$5,247	\$55,092	\$6,121	\$284,644	\$229,551	35.00%	\$80,343	\$0	\$80,343
(17)	Mar-17	\$5,247	\$60,339	\$6,121	\$290,765	\$230,426	35.00%	\$80,649	\$0	\$80,649
(18)	Apr-17	\$5,247	\$65,586	\$6,121	\$296,887	\$231,300	35.00%	\$80,955	\$0	\$80,955
(19)	May-17	\$5,247	\$70,833	\$6,121	\$303,008	\$232,175	35.00%	\$81,261	\$0	\$81,261
(20)	Jun-17	\$5,247	\$76,080	\$6,121	\$309,129	\$233,049	35.00%	\$81,567	\$0	\$81,567
(21)	Jul-17	\$5,247	\$81,327	\$6,121	\$315,251	\$233,924	35.00%	\$81,873	\$0	\$81,873
(22)	Aug-17	\$5,247	\$86,574	\$6,121	\$321,372	\$234,798	35.00%	\$82,179	\$0	\$82,179
(23)	Sep-17	\$5,247	\$91,821	\$6,121	\$327,493	\$235,673	35.00%	\$82,485	\$0	\$82,485
(24)	Oct-17	\$5,247	\$97,067	\$6,121	\$333,615	\$236,547	35.00%	\$82,792	\$0	\$82,792
(25)	Nov-17	\$5,247	\$102,314	\$6,121	\$339,736	\$237,422	35.00%	\$83,098	\$0	\$83,098
(26)	Dec-17	\$5,247	\$107,561	\$6,121	\$345,857	\$238,296	35.00%	\$83,404	\$0	\$83,404
(27)	Jan-18	\$5,247	\$112,808	\$6,121	\$351,979	\$239,171	21.00%	\$50,226	\$33,362	\$83,588
(28)	Feb-18	\$5,247	\$118,055	\$6,121	\$358,100	\$240,045	21.00%	\$50,409	\$33,362	\$83,771
(29)	Mar-18	\$5,247	\$123,302	\$6,121	\$364,222	\$240,920	21.00%	\$50,593	\$33,362	\$83,955
(30)	Apr-18	\$5,247	\$128,549	\$6,121	\$370,343	\$241,794	21.00%	\$50,777	\$33,362	\$84,139
(31)	May-18	\$5,247	\$133,796	\$6,121	\$376,464	\$242,669	21.00%	\$50,960	\$33,362	\$84,322
(32)	Jun-18	\$5,247	\$139,043	\$6,121	\$382,586	\$243,543	21.00%	\$51,144	\$33,362	\$84,506
(33)	Jul-18	\$5,247	\$144,289	\$6,121	\$388,707	\$244,418	21.00%	\$51,328	\$33,362	\$84,690
(34)	Aug-18	\$5,247	\$149,536	\$6,121	\$394,828	\$245,292	21.00%	\$51,511	\$33,362	\$84,873
(35)	Sep-18	\$5,247	\$154,783	\$6,121	\$400,950	\$246,167	21.00%	\$51,695	\$32,766	\$84,461
(36)	Oct-18	\$5,247	\$160,030	\$6,121	\$407,071	\$247,041	21.00%	\$51,879	\$32,170	\$84,049
(37)	Nov-18	\$5,247	\$165,277	\$6,121	\$413,193	\$247,916	21.00%	\$52,062	\$31,574	\$83,636
(38)	Dec-18	\$5,247	\$170,524	\$6,121	\$419,314	\$248,790	21.00%	\$52,246	\$30,979	\$83,225
(39)	Jan-19	\$5,247	\$175,771	\$6,121	\$425,435	\$249,665	21.00%	\$52,430	\$30,383	\$82,813
(40)	Feb-19	\$5,247	\$181,018	\$6,121	\$431,557	\$250,539	21.00%	\$52,613	\$29,787	\$82,400
(41)	Mar-19	\$5,247	\$186,265	\$6,121	\$437,678	\$251,413	21.00%	\$52,797	\$29,191	\$81,988
(42)	Apr-19	\$5,247	\$191,511	\$3,061	\$440,739	\$249,227	21.00%	\$52,338	\$28,596	\$80,934
(43)	May-19	\$5,247	\$196,758	\$0	\$440,739	\$243,980	21.00%	\$51,236	\$28,000	\$79,236
(44)	Jun-19	\$5,247	\$202,005	\$0	\$440,739	\$238,733	21.00%	\$50,134	\$27,404	\$77,538
(45)	Jul-19	\$5,247	\$207,252	\$0	\$440,739	\$233,487	21.00%	\$49,032	\$26,808	\$75,840
(46)	Aug-19	\$5,247	\$212,499	\$0	\$440,739	\$228,240	21.00%	\$47,930	\$26,213	\$74,143
(47)	Sep-19	\$5,247	\$217,746	\$0	\$440,739	\$222,993	21.00%	\$46,828	\$25,617	\$72,445
(48)	Oct-19	\$5,247	\$222,993	\$0	\$440,739	\$217,746	21.00%	\$45,727	\$25,021	\$70,748
(49)	Nov-19	\$5,247	\$228,240	\$0	\$440,739	\$212,499	21.00%	\$44,625	\$24,425	\$69,050
(50)	Dec-19	\$5,247	\$233,487	\$0	\$440,739	\$207,252	21.00%	\$43,523	\$23,830	\$67,353
(51)	Jan-20	\$5,247	\$238,733	\$0	\$440,739	\$202,005	21.00%	\$42,421	\$23,234	\$65,655
(52)	Feb-20	\$5,247	\$243,980	\$0	\$440,739	\$196,758	21.00%	\$41,319	\$22,638	\$63,957
(53)	Mar-20	\$5,247	\$249,227	\$0	\$440,739	\$191,511	21.00%	\$40,217	\$22,042	\$62,259
(54)	Apr-20	\$5,247	\$254,474	\$0	\$440,739	\$186,265	21.00%	\$39,116	\$21,447	\$60,563
(55)	May-20	\$5,247	\$259,721	\$0	\$440,739	\$181,018	21.00%	\$38,014	\$20,851	\$58,865
(56)	Jun-20	\$5,247	\$264,968	\$0	\$440,739	\$175,771	21.00%	\$36,912	\$20,255	\$57,167
(57)	Jul-20	\$5,247	\$270,215	\$0	\$440,739	\$170,524	21.00%	\$35,810	\$19,660	\$55,470
(58)	Aug-20	\$5,247	\$275,462	\$0	\$440,739	\$165,277	21.00%	\$34,708	\$19,064	\$53,772
(59)	Sep-20	\$5,247	\$280,709	\$0	\$440,739	\$160,030	21.00%	\$33,606	\$18,468	\$52,074
(60)	Oct-20	\$5,247	\$285,956	\$0	\$440,739	\$154,783	21.00%	\$32,504	\$17,872	\$50,376

The Narragansett Electric Company
d/b/a National Grid
RI Renewable Energy Growth Program
Calculation of Accumulated Tax Depreciation on Billing System Capital Modifications (cont.)

		Monthly Book Depreciation	Accumulated Book Depreciation	Monthly Tax Depreciation	Accumulated Tax Depreciation	Cumulative Book/Tax Timer	Effective Tax Rate	Accumulated Deferred Taxes	Excess Deferred Taxes	Total Deferred Taxes
		(a)	(b)	(c)	(d)	(e)=(d)-(b)	(f)	(g)=(e)x(f)	(h)	(i)=(g)+(h)
(61)	Nov-20	\$5,247	\$291,202	\$0	\$440,739	\$149,536	21.00%	\$31,403	\$17,277	\$48,680
(62)	Dec-20	\$5,247	\$296,449	\$0	\$440,739	\$144,289	21.00%	\$30,301	\$16,681	\$46,982
(63)	Jan-21	\$5,247	\$301,696	\$0	\$440,739	\$139,043	21.00%	\$29,199	\$16,085	\$45,284
(64)	Feb-21	\$5,247	\$306,943	\$0	\$440,739	\$133,796	21.00%	\$28,097	\$15,489	\$43,586
(65)	Mar-21	\$5,247	\$312,190	\$0	\$440,739	\$128,549	21.00%	\$26,995	\$14,894	\$41,889
(66)	Apr-21	\$5,247	\$317,437	\$0	\$440,739	\$123,302	21.00%	\$25,893	\$14,298	\$40,191
(67)	May-21	\$5,247	\$322,684	\$0	\$440,739	\$118,055	21.00%	\$24,792	\$13,702	\$38,494
(68)	Jun-21	\$5,247	\$327,931	\$0	\$440,739	\$112,808	21.00%	\$23,690	\$13,106	\$36,796
(69)	Jul-21	\$5,247	\$333,178	\$0	\$440,739	\$107,561	21.00%	\$22,588	\$12,511	\$35,099
(70)	Aug-21	\$5,247	\$338,424	\$0	\$440,739	\$102,314	21.00%	\$21,486	\$11,915	\$33,401
(71)	Sep-21	\$5,247	\$343,671	\$0	\$440,739	\$97,067	21.00%	\$20,384	\$11,319	\$31,703
(72)	Oct-21	\$5,247	\$348,918	\$0	\$440,739	\$91,821	21.00%	\$19,282	\$10,723	\$30,005
(73)	Nov-21	\$5,247	\$354,165	\$0	\$440,739	\$86,574	21.00%	\$18,180	\$10,128	\$28,308
(74)	Dec-21	\$5,247	\$359,412	\$0	\$440,739	\$81,327	21.00%	\$17,079	\$9,532	\$26,611
(75)	Jan-22	\$5,247	\$364,659	\$0	\$440,739	\$76,080	21.00%	\$15,977	\$8,936	\$24,913
(76)	Feb-22	\$5,247	\$369,906	\$0	\$440,739	\$70,833	21.00%	\$14,875	\$8,340	\$23,215
(77)	Mar-22	\$5,247	\$375,153	\$0	\$440,739	\$65,586	21.00%	\$13,773	\$7,745	\$21,518
(78)	Apr-22	\$5,247	\$380,400	\$0	\$440,739	\$60,339	21.00%	\$12,671	\$7,149	\$19,820
(79)	May-22	\$5,247	\$385,646	\$0	\$440,739	\$55,092	21.00%	\$11,569	\$6,553	\$18,122
(80)	Jun-22	\$5,247	\$390,893	\$0	\$440,739	\$49,845	21.00%	\$10,468	\$5,957	\$16,425
(81)	Jul-22	\$5,247	\$396,140	\$0	\$440,739	\$44,599	21.00%	\$9,366	\$5,362	\$14,728
(82)	Aug-22	\$5,247	\$401,387	\$0	\$440,739	\$39,352	21.00%	\$8,264	\$4,766	\$13,030
(83)	Sep-22	\$5,247	\$406,634	\$0	\$440,739	\$34,105	21.00%	\$7,162	\$4,170	\$11,332
(84)	Oct-22	\$5,247	\$411,881	\$0	\$440,739	\$28,858	21.00%	\$6,060	\$3,574	\$9,634
(85)	Nov-22	\$5,247	\$417,128	\$0	\$440,739	\$23,611	21.00%	\$4,958	\$2,979	\$7,937
(86)	Dec-22	\$5,247	\$422,375	\$0	\$440,739	\$18,364	21.00%	\$3,856	\$2,383	\$6,239
(87)	Jan-23	\$5,247	\$427,622	\$0	\$440,739	\$13,117	21.00%	\$2,755	\$1,787	\$4,542
(88)	Feb-23	\$5,247	\$432,868	\$0	\$440,739	\$7,870	21.00%	\$1,653	\$1,191	\$2,844
(89)	Mar-23	\$5,247	\$438,115	\$0	\$440,739	\$2,623	21.00%	\$551	\$596	\$1,147
(90)	Apr-23	\$2,623	\$440,739	\$0	\$440,739	(\$0)	21.00%	\$0	(\$0)	(\$0)

- (a) Equals Line (3) except Line (6)(a) and Line (90)(a) = Line (3) x 50%
- (b) Prior month Column (b) + Current month Column (a)
- (c) Equals Line (5) except Line (6)(c) = (Bonus depreciation per Page 6, Line (5)) + Line (5) x 50% and (42)(c) = Line (5) x 50%
- (d) Prior month Column (d) + Current month Column (c)

- (1) Page 9 , Line (8)
- (3) Line (1) ÷ Line (2)
- (5) (Line (1) - Page 6, Line (5)) ÷ Line (4)
- (27)(h) Line (26)(g) x ((35%-21%)/35%)
- (35)-(90)(h) Prior Month less (27)(h) ÷ 56 months

The Narragansett Electric Company
d/b/a National Grid
Renewable Energy Growth Program
Summary of Phase 1 Billing System Capital Modification Costs

	<u>External Vendor costs:</u>	
(1)	IBM	\$250,287
(2)	Wipro	\$31,551
(3)	Subtotal	<u>\$281,838</u>
	<u>Internal costs:</u>	
(4)	Labor	\$78,299
(5)	Overheads	\$60,550
(6)	AFUDC	<u>\$20,052</u>
(7)	Subtotal	\$158,900
(8)	Total Capital Costs	\$440,739

The Narragansett Electric Company
d/b/a National Grid
Renewable Energy Growth Program
Revenue Requirement Calculation for Phase 2 Revised Billing System Capital Modifications

		Capital Costs	Accumulated Amortization	Net Plant	Accumulated Deferred Taxes	End of Month Rate Base	Pre Tax Rate of Return	Return & Taxes	Amortization	Monthly Revenue Requirement
		(a)	(b)	(c)=(a)+(b)	(d)	(e)=(c)+(d)	(f)	(g)=(e)x(f) x(1/12)	(h)	(i)=(g)+(h)
(1)	Dec-18	\$1,331,491	(\$7,926)	\$1,323,565	(\$277,949)	\$1,045,616	8.41%	\$7,328	\$7,926	\$15,254
(2)	Jan-19	\$1,331,491	(\$23,777)	\$1,307,714	(\$274,620)	\$1,033,094	8.41%	\$7,240	\$15,851	\$23,091
(3)	Feb-19	\$1,331,491	(\$39,628)	\$1,291,863	(\$271,291)	\$1,020,572	8.41%	\$7,153	\$15,851	\$23,004
(4)	Mar-19	\$1,331,491	(\$55,479)	\$1,276,012	(\$267,963)	\$1,008,049	8.41%	\$7,065	\$15,851	\$22,916
(5)	Apr-19	\$1,331,491	(\$71,330)	\$1,260,161	(\$264,634)	\$995,527	8.41%	\$6,977	\$15,851	\$22,828
(6)	May-19	\$1,331,491	(\$87,181)	\$1,244,310	(\$261,305)	\$983,005	8.41%	\$6,889	\$15,851	\$22,740
(7)	Jun-19	\$1,331,491	(\$103,032)	\$1,228,459	(\$257,976)	\$970,483	8.41%	\$6,801	\$15,851	\$22,652
(8)	Jul-19	\$1,331,491	(\$118,883)	\$1,212,608	(\$254,648)	\$957,960	8.41%	\$6,714	\$15,851	\$22,565
(9)	Aug-19	\$1,331,491	(\$134,734)	\$1,196,757	(\$251,319)	\$945,438	8.41%	\$6,626	\$15,851	\$22,477
(10)	Sep-19	\$1,331,491	(\$150,585)	\$1,180,906	(\$247,990)	\$932,916	8.41%	\$6,538	\$15,851	\$22,389
(11)	Oct-19	\$1,331,491	(\$166,436)	\$1,165,055	(\$244,661)	\$920,394	8.41%	\$6,450	\$15,851	\$22,301
(12)	Nov-19	\$1,331,491	(\$182,287)	\$1,149,204	(\$241,333)	\$907,871	8.41%	\$6,363	\$15,851	\$22,214
(13)	Dec-19	\$1,331,491	(\$198,139)	\$1,133,352	(\$238,004)	\$895,348	8.41%	\$6,275	\$15,851	\$22,126
(14)	Jan-20	\$1,331,491	(\$213,990)	\$1,117,501	(\$234,675)	\$882,826	8.41%	\$6,187	\$15,851	\$22,038
(15)	Feb-20	\$1,331,491	(\$229,841)	\$1,101,650	(\$231,347)	\$870,303	8.41%	\$6,099	\$15,851	\$21,950
(16)	Mar-20	\$1,331,491	(\$245,692)	\$1,085,799	(\$228,018)	\$857,781	8.41%	\$6,012	\$15,851	\$21,863
(17)	Apr-20	\$1,331,491	(\$261,543)	\$1,069,948	(\$224,689)	\$845,259	8.41%	\$5,924	\$15,851	\$21,775
(18)	May-20	\$1,331,491	(\$277,394)	\$1,054,097	(\$221,360)	\$832,737	8.41%	\$5,836	\$15,851	\$21,687
(19)	Jun-20	\$1,331,491	(\$293,245)	\$1,038,246	(\$218,032)	\$820,214	8.41%	\$5,748	\$15,851	\$21,599
(20)	Jul-20	\$1,331,491	(\$309,096)	\$1,022,395	(\$214,703)	\$807,692	8.41%	\$5,661	\$15,851	\$21,512
(21)	Aug-20	\$1,331,491	(\$324,947)	\$1,006,544	(\$211,374)	\$795,170	8.41%	\$5,573	\$15,851	\$21,424
(22)	Sep-20	\$1,331,491	(\$340,798)	\$990,693	(\$208,045)	\$782,648	8.41%	\$5,485	\$15,851	\$21,336
(23)	Oct-20	\$1,331,491	(\$356,649)	\$974,842	(\$204,717)	\$770,125	8.41%	\$5,397	\$15,851	\$21,248
(24)	Nov-20	\$1,331,491	(\$372,500)	\$958,991	(\$201,388)	\$757,603	8.41%	\$5,310	\$15,851	\$21,161
(25)	Dec-20	\$1,331,491	(\$388,352)	\$943,139	(\$198,059)	\$745,080	8.41%	\$5,222	\$15,851	\$21,073
(26)	Jan-21	\$1,331,491	(\$404,203)	\$927,288	(\$194,731)	\$732,557	8.41%	\$5,134	\$15,851	\$20,985
(27)	Feb-21	\$1,331,491	(\$420,054)	\$911,437	(\$191,402)	\$720,035	8.41%	\$5,046	\$15,851	\$20,897
(28)	Mar-21	\$1,331,491	(\$435,905)	\$895,586	(\$188,073)	\$707,513	8.41%	\$4,958	\$15,851	\$20,809
(29)	Apr-21	\$1,331,491	(\$451,756)	\$879,735	(\$184,744)	\$694,991	8.41%	\$4,871	\$15,851	\$20,722
(30)	May-21	\$1,331,491	(\$467,607)	\$863,884	(\$181,416)	\$682,468	8.41%	\$4,783	\$15,851	\$20,634
(31)	Jun-21	\$1,331,491	(\$483,458)	\$848,033	(\$178,087)	\$669,946	8.41%	\$4,695	\$15,851	\$20,546
(32)	Jul-21	\$1,331,491	(\$499,309)	\$832,182	(\$174,758)	\$657,424	8.41%	\$4,607	\$15,851	\$20,458
(33)	Aug-21	\$1,331,491	(\$515,160)	\$816,331	(\$171,429)	\$644,902	8.41%	\$4,520	\$15,851	\$20,371
(34)	Sep-21	\$1,331,491	(\$531,011)	\$800,480	(\$168,101)	\$632,379	8.41%	\$4,432	\$15,851	\$20,283
(35)	Oct-21	\$1,331,491	(\$546,862)	\$784,629	(\$164,772)	\$619,857	8.41%	\$4,344	\$15,851	\$20,195
(36)	Nov-21	\$1,331,491	(\$562,713)	\$768,778	(\$161,443)	\$607,335	8.41%	\$4,256	\$15,851	\$20,107
(37)	Dec-21	\$1,331,491	(\$578,565)	\$752,926	(\$158,115)	\$594,811	8.41%	\$4,169	\$15,851	\$20,020
(38)	Jan-22	\$1,331,491	(\$594,416)	\$737,075	(\$154,786)	\$582,289	8.41%	\$4,081	\$15,851	\$19,932
(39)	Feb-22	\$1,331,491	(\$610,267)	\$721,224	(\$151,457)	\$569,767	8.41%	\$3,993	\$15,851	\$19,844
(40)	Mar-22	\$1,331,491	(\$626,118)	\$705,373	(\$148,128)	\$557,245	8.41%	\$3,905	\$15,851	\$19,756
(41)	Apr-22	\$1,331,491	(\$641,969)	\$689,522	(\$144,800)	\$544,722	8.41%	\$3,818	\$15,851	\$19,669
(42)	May-22	\$1,331,491	(\$657,820)	\$673,671	(\$141,471)	\$532,200	8.41%	\$3,730	\$15,851	\$19,581
(43)	Jun-22	\$1,331,491	(\$673,671)	\$657,820	(\$138,142)	\$519,678	8.41%	\$3,642	\$15,851	\$19,493
(44)	Jul-22	\$1,331,491	(\$689,522)	\$641,969	(\$134,813)	\$507,156	8.41%	\$3,554	\$15,851	\$19,405
(45)	Aug-22	\$1,331,491	(\$705,373)	\$626,118	(\$131,485)	\$494,633	8.41%	\$3,467	\$15,851	\$19,318
(46)	Sep-22	\$1,331,491	(\$721,224)	\$610,267	(\$128,156)	\$482,111	8.41%	\$3,379	\$15,851	\$19,230
(47)	Oct-22	\$1,331,491	(\$737,075)	\$594,416	(\$124,827)	\$469,589	8.41%	\$3,291	\$15,851	\$19,142
(48)	Nov-22	\$1,331,491	(\$752,926)	\$578,565	(\$121,499)	\$457,066	8.41%	\$3,203	\$15,851	\$19,054
(49)	Dec-22	\$1,331,491	(\$768,778)	\$562,713	(\$118,170)	\$444,543	8.41%	\$3,116	\$15,851	\$18,967
(50)	Jan-23	\$1,331,491	(\$784,629)	\$546,862	(\$114,841)	\$432,021	8.41%	\$3,028	\$15,851	\$18,879
(51)	Feb-23	\$1,331,491	(\$800,480)	\$531,011	(\$111,512)	\$419,499	8.41%	\$2,940	\$15,851	\$18,791
(52)	Mar-23	\$1,331,491	(\$816,331)	\$515,160	(\$108,184)	\$406,976	8.41%	\$2,852	\$15,851	\$18,703
(53)	Apr-23	\$1,331,491	(\$832,182)	\$499,309	(\$104,855)	\$394,454	8.41%	\$2,764	\$15,851	\$18,615
(54)	May-23	\$1,331,491	(\$848,033)	\$483,458	(\$101,526)	\$381,932	8.41%	\$2,677	\$15,851	\$18,528
(55)	Jun-23	\$1,331,491	(\$863,884)	\$467,607	(\$98,197)	\$369,410	8.41%	\$2,589	\$15,851	\$18,440
(56)	Jul-23	\$1,331,491	(\$879,735)	\$451,756	(\$94,869)	\$356,887	8.41%	\$2,501	\$15,851	\$18,352
(57)	Aug-23	\$1,331,491	(\$895,586)	\$435,905	(\$91,540)	\$344,365	8.41%	\$2,413	\$15,851	\$18,264
(58)	Sep-23	\$1,331,491	(\$911,437)	\$420,054	(\$88,211)	\$331,843	8.41%	\$2,326	\$15,851	\$18,177
(59)	Oct-23	\$1,331,491	(\$927,288)	\$404,203	(\$84,883)	\$319,320	8.41%	\$2,238	\$15,851	\$18,089
(60)	Nov-23	\$1,331,491	(\$943,139)	\$388,352	(\$81,554)	\$306,798	8.41%	\$2,150	\$15,851	\$18,001

- (a) Page 17, Line (38)(p)
- (b) Less Pages 13 through 15, Column (b)
- (d) Less Pages 13 through 15, Column (g)
- (f) Page 17, Column (e) based on effective date
- (h) Pages 13 through 15, Column (a)

The Narragansett Electric Company
d/b/a National Grid
RE Growth Program
Revenue Requirement Calculation for Phase 2 Revised Billing System Capital Modifications (cont.)

		Capital Costs	Accumulated Amortization	Net Plant	Accumulated Deferred Taxes	End of Month Rate Base	Pre Tax Rate of Return	Return & Taxes	Amortization	Monthly Revenue Requirement
		(a)	(b)	(c)=(a)+(b)	(d)	(e)=(c)+(d)	(f)	(g)=(e)x(f) x(1/12)	(h)	(i)=(g)+(h)
(61)	Dec-23	\$1,331,491	(\$958,991)	\$372,500	(\$78,225)	\$294,275	8.41%	\$2,062	\$15,851	\$17,913
(62)	Jan-24	\$1,331,491	(\$974,842)	\$356,649	(\$74,896)	\$281,753	8.41%	\$1,975	\$15,851	\$17,826
(63)	Feb-24	\$1,331,491	(\$990,693)	\$340,798	(\$71,568)	\$269,230	8.41%	\$1,887	\$15,851	\$17,738
(64)	Mar-24	\$1,331,491	(\$1,006,544)	\$324,947	(\$68,239)	\$256,708	8.41%	\$1,799	\$15,851	\$17,650
(65)	Apr-24	\$1,331,491	(\$1,022,395)	\$309,096	(\$64,910)	\$244,186	8.41%	\$1,711	\$15,851	\$17,562
(66)	May-24	\$1,331,491	(\$1,038,246)	\$293,245	(\$61,581)	\$231,664	8.41%	\$1,624	\$15,851	\$17,475
(67)	Jun-24	\$1,331,491	(\$1,054,097)	\$277,394	(\$58,253)	\$219,141	8.41%	\$1,536	\$15,851	\$17,387
(68)	Jul-24	\$1,331,491	(\$1,069,948)	\$261,543	(\$54,924)	\$206,619	8.41%	\$1,448	\$15,851	\$17,299
(69)	Aug-24	\$1,331,491	(\$1,085,799)	\$245,692	(\$51,595)	\$194,097	8.41%	\$1,360	\$15,851	\$17,211
(70)	Sep-24	\$1,331,491	(\$1,101,650)	\$229,841	(\$48,267)	\$181,574	8.41%	\$1,273	\$15,851	\$17,124
(71)	Oct-24	\$1,331,491	(\$1,117,501)	\$213,990	(\$44,938)	\$169,052	8.41%	\$1,185	\$15,851	\$17,036
(72)	Nov-24	\$1,331,491	(\$1,133,352)	\$198,139	(\$41,609)	\$156,530	8.41%	\$1,097	\$15,851	\$16,948
(73)	Dec-24	\$1,331,491	(\$1,149,204)	\$182,287	(\$38,280)	\$144,007	8.41%	\$1,009	\$15,851	\$16,860
(74)	Jan-25	\$1,331,491	(\$1,165,055)	\$166,436	(\$34,952)	\$131,484	8.41%	\$921	\$15,851	\$16,772
(75)	Feb-25	\$1,331,491	(\$1,180,906)	\$150,585	(\$31,623)	\$118,962	8.41%	\$834	\$15,851	\$16,685
(76)	Mar-25	\$1,331,491	(\$1,196,757)	\$134,734	(\$28,294)	\$106,440	8.41%	\$746	\$15,851	\$16,597
(77)	Apr-25	\$1,331,491	(\$1,212,608)	\$118,883	(\$24,965)	\$93,918	8.41%	\$658	\$15,851	\$16,509
(78)	May-25	\$1,331,491	(\$1,228,459)	\$103,032	(\$21,637)	\$81,395	8.41%	\$570	\$15,851	\$16,421
(79)	Jun-25	\$1,331,491	(\$1,244,310)	\$87,181	(\$18,308)	\$68,873	8.41%	\$483	\$15,851	\$16,334
(80)	Jul-25	\$1,331,491	(\$1,260,161)	\$71,330	(\$14,979)	\$56,351	8.41%	\$395	\$15,851	\$16,246
(81)	Aug-25	\$1,331,491	(\$1,276,012)	\$55,479	(\$11,651)	\$43,828	8.41%	\$307	\$15,851	\$16,158
(82)	Sep-25	\$1,331,491	(\$1,291,863)	\$39,628	(\$8,322)	\$31,306	8.41%	\$219	\$15,851	\$16,070
(83)	Oct-25	\$1,331,491	(\$1,307,714)	\$23,777	(\$4,993)	\$18,784	8.41%	\$132	\$15,851	\$15,983
(84)	Nov-25	\$1,331,491	(\$1,323,565)	\$7,926	(\$1,664)	\$6,262	8.41%	\$44	\$15,851	\$15,895
(85)	Dec-25	\$1,331,491	(\$1,331,491)	\$0	\$0	\$0	8.41%	\$0	\$7,926	\$7,926

- (a) Page 17, Line (38)(p)
- (b) Less Pages 13 through 15, Column (b)
- (d) Less Pages 13 through 15, Column (g)
- (f) Page 17, Column (e) based on effective date
- (h) Pages 13 through 15, Column (a)

The Narragansett Electric Company
d/b/a National Grid
Renewable Energy Growth Program
Calculation of Tax Depreciation on Phase 2 Revised Billing System Capital Modifications

		Fiscal Year 2018	Fiscal Year 2019	Fiscal Year 2020	Fiscal Year 2021
		(a)	(b)	(c)	(d)
<u>Bonus Depreciation</u>					
(1)	Plant Additions				
		\$1,331,491			
(2)	Percent of Plant Eligible for Bonus Depreciation				
		100.00%			
(3)	Plant Eligible for Bonus Depreciation	\$1,331,491			
(4)	Bonus Depreciation Rate	100.00%			
(5)	Bonus Depreciation	\$1,331,491			
<u>Remaining Tax Depreciation</u>					
(6)	Plant Additions	\$1,331,491			
(7)	Less Bonus Depreciation	\$1,331,491			
(8)	Remaining Plant Additions Subject to SL Tax Depreciation	\$0	\$0	\$0	\$0
(9)	3-Year Straight Line Tax Depreciation Rates	11.11%	33.33%	33.33%	22.22%
(10)	Remaining Tax Depreciation	\$0	\$0	\$0	\$0
(11)	Cost of Removal	\$0			
(12)	Annual Tax Depreciation	\$1,331,491	\$0	\$0	\$0
(11)	Sum of Lines (5), (10) and (11)				

The Narragansett Electric Company
d/b/a National Grid
Renewable Energy Growth Program
Calculation of Accumulated Deferred Taxes on Phase 2 Revised Billing System Capital Modifications

(1)	Book cost	\$1,331,491
(2)	Book Useful life (months)	84
(3)	Monthly Book Amortization	\$15,851
(4)	Tax Useful life (months)	36
(5)	Monthly Tax Amortization	\$0

	Monthly Book Amortization	Accumulated Book Amortization	Monthly Tax Amortization	Accumulated Tax Amortization	Cumulative Book/Tax Timer	Effective Tax Rate	Accumulated Deferred Taxes	
	(a)	(b)	(c)	(d)	(e)=(d)-(b)	(f)	(g)=(e)x(f)	
(6)	Dec-18	\$7,926	\$7,926	\$1,331,491	\$1,331,491	\$1,323,565	21.00%	\$277,949
(7)	Jan-19	\$15,851	\$23,777	\$0	\$1,331,491	\$1,307,714	21.00%	\$274,620
(8)	Feb-19	\$15,851	\$39,628	\$0	\$1,331,491	\$1,291,863	21.00%	\$271,291
(9)	Mar-19	\$15,851	\$55,479	\$0	\$1,331,491	\$1,276,012	21.00%	\$267,963
(10)	Apr-19	\$15,851	\$71,330	\$0	\$1,331,491	\$1,260,161	21.00%	\$264,634
(11)	May-19	\$15,851	\$87,181	\$0	\$1,331,491	\$1,244,310	21.00%	\$261,305
(12)	Jun-19	\$15,851	\$103,032	\$0	\$1,331,491	\$1,228,459	21.00%	\$257,976
(13)	Jul-19	\$15,851	\$118,883	\$0	\$1,331,491	\$1,212,608	21.00%	\$254,648
(14)	Aug-19	\$15,851	\$134,734	\$0	\$1,331,491	\$1,196,757	21.00%	\$251,319
(15)	Sep-19	\$15,851	\$150,585	\$0	\$1,331,491	\$1,180,906	21.00%	\$247,990
(16)	Oct-19	\$15,851	\$166,436	\$0	\$1,331,491	\$1,165,055	21.00%	\$244,661
(17)	Nov-19	\$15,851	\$182,287	\$0	\$1,331,491	\$1,149,204	21.00%	\$241,333
(18)	Dec-19	\$15,851	\$198,139	\$0	\$1,331,491	\$1,133,352	21.00%	\$238,004
(19)	Jan-20	\$15,851	\$213,990	\$0	\$1,331,491	\$1,117,501	21.00%	\$234,675
(20)	Feb-20	\$15,851	\$229,841	\$0	\$1,331,491	\$1,101,650	21.00%	\$231,347
(21)	Mar-20	\$15,851	\$245,692	\$0	\$1,331,491	\$1,085,799	21.00%	\$228,018
(22)	Apr-20	\$15,851	\$261,543	\$0	\$1,331,491	\$1,069,948	21.00%	\$224,689
(23)	May-20	\$15,851	\$277,394	\$0	\$1,331,491	\$1,054,097	21.00%	\$221,360
(24)	Jun-20	\$15,851	\$293,245	\$0	\$1,331,491	\$1,038,246	21.00%	\$218,032
(25)	Jul-20	\$15,851	\$309,096	\$0	\$1,331,491	\$1,022,395	21.00%	\$214,703
(26)	Aug-20	\$15,851	\$324,947	\$0	\$1,331,491	\$1,006,544	21.00%	\$211,374
(27)	Sep-20	\$15,851	\$340,798	\$0	\$1,331,491	\$990,693	21.00%	\$208,045
(28)	Oct-20	\$15,851	\$356,649	\$0	\$1,331,491	\$974,842	21.00%	\$204,717
(29)	Nov-20	\$15,851	\$372,500	\$0	\$1,331,491	\$958,991	21.00%	\$201,388
(30)	Dec-20	\$15,851	\$388,352	\$0	\$1,331,491	\$943,139	21.00%	\$198,059
(31)	Jan-21	\$15,851	\$404,203	\$0	\$1,331,491	\$927,288	21.00%	\$194,731
(32)	Feb-21	\$15,851	\$420,054	\$0	\$1,331,491	\$911,437	21.00%	\$191,402
(33)	Mar-21	\$15,851	\$435,905	\$0	\$1,331,491	\$895,586	21.00%	\$188,073
(34)	Apr-21	\$15,851	\$451,756	\$0	\$1,331,491	\$879,735	21.00%	\$184,744

The Narragansett Electric Company
d/b/a National Grid
RI Renewable Energy Growth Program
Calculation of Accumulated Deferred Taxes on Phase 2 Revised Billing System Capital Modifications (cont.)

		Monthly Book Depreciation	Accumulated Book Depreciation	Monthly Tax Depreciation	Accumulated Tax Depreciation	Cumulative Book/Tax Timer	Effective Tax Rate	Accumulated Deferred Taxes
		(a)	(b)	(c)	(d)	(e)=(d)-(b)	(f)	(g)=(e)x(f)
(35)	May-21	\$15,851	\$467,607	\$0	\$1,331,491	\$863,884	21.00%	\$181,416
(36)	Jun-21	\$15,851	\$483,458	\$0	\$1,331,491	\$848,033	21.00%	\$178,087
(37)	Jul-21	\$15,851	\$499,309	\$0	\$1,331,491	\$832,182	21.00%	\$174,758
(38)	Aug-21	\$15,851	\$515,160	\$0	\$1,331,491	\$816,331	21.00%	\$171,429
(39)	Sep-21	\$15,851	\$531,011	\$0	\$1,331,491	\$800,480	21.00%	\$168,101
(40)	Oct-21	\$15,851	\$546,862	\$0	\$1,331,491	\$784,629	21.00%	\$164,772
(41)	Nov-21	\$15,851	\$562,713	\$0	\$1,331,491	\$768,778	21.00%	\$161,443
(42)	Dec-21	\$15,851	\$578,565	\$0	\$1,331,491	\$752,926	21.00%	\$158,115
(43)	Jan-22	\$15,851	\$594,416	\$0	\$1,331,491	\$737,075	21.00%	\$154,786
(44)	Feb-22	\$15,851	\$610,267	\$0	\$1,331,491	\$721,224	21.00%	\$151,457
(45)	Mar-22	\$15,851	\$626,118	\$0	\$1,331,491	\$705,373	21.00%	\$148,128
(46)	Apr-22	\$15,851	\$641,969	\$0	\$1,331,491	\$689,522	21.00%	\$144,800
(47)	May-22	\$15,851	\$657,820	\$0	\$1,331,491	\$673,671	21.00%	\$141,471
(48)	Jun-22	\$15,851	\$673,671	\$0	\$1,331,491	\$657,820	21.00%	\$138,142
(49)	Jul-22	\$15,851	\$689,522	\$0	\$1,331,491	\$641,969	21.00%	\$134,813
(50)	Aug-22	\$15,851	\$705,373	\$0	\$1,331,491	\$626,118	21.00%	\$131,485
(51)	Sep-22	\$15,851	\$721,224	\$0	\$1,331,491	\$610,267	21.00%	\$128,156
(52)	Oct-22	\$15,851	\$737,075	\$0	\$1,331,491	\$594,416	21.00%	\$124,827
(53)	Nov-22	\$15,851	\$752,926	\$0	\$1,331,491	\$578,565	21.00%	\$121,499
(54)	Dec-22	\$15,851	\$768,778	\$0	\$1,331,491	\$562,713	21.00%	\$118,170
(55)	Jan-23	\$15,851	\$784,629	\$0	\$1,331,491	\$546,862	21.00%	\$114,841
(56)	Feb-23	\$15,851	\$800,480	\$0	\$1,331,491	\$531,011	21.00%	\$111,512
(57)	Mar-23	\$15,851	\$816,331	\$0	\$1,331,491	\$515,160	21.00%	\$108,184
(58)	Apr-23	\$15,851	\$832,182	\$0	\$1,331,491	\$499,309	21.00%	\$104,855
(59)	May-23	\$15,851	\$848,033	\$0	\$1,331,491	\$483,458	21.00%	\$101,526
(60)	Jun-23	\$15,851	\$863,884	\$0	\$1,331,491	\$467,607	21.00%	\$98,197
(61)	Jul-23	\$15,851	\$879,735	\$0	\$1,331,491	\$451,756	21.00%	\$94,869
(62)	Aug-23	\$15,851	\$895,586	\$0	\$1,331,491	\$435,905	21.00%	\$91,540
(63)	Sep-23	\$15,851	\$911,437	\$0	\$1,331,491	\$420,054	21.00%	\$88,211
(64)	Oct-23	\$15,851	\$927,288	\$0	\$1,331,491	\$404,203	21.00%	\$84,883
(65)	Nov-23	\$15,851	\$943,139	\$0	\$1,331,491	\$388,352	21.00%	\$81,554
(66)	Dec-23	\$15,851	\$958,991	\$0	\$1,331,491	\$372,500	21.00%	\$78,225
(67)	Jan-24	\$15,851	\$974,842	\$0	\$1,331,491	\$356,649	21.00%	\$74,896
(68)	Feb-24	\$15,851	\$990,693	\$0	\$1,331,491	\$340,798	21.00%	\$71,568
(69)	Mar-24	\$15,851	\$1,006,544	\$0	\$1,331,491	\$324,947	21.00%	\$68,239
(70)	Apr-24	\$15,851	\$1,022,395	\$0	\$1,331,491	\$309,096	21.00%	\$64,910
(71)	May-24	\$15,851	\$1,038,246	\$0	\$1,331,491	\$293,245	21.00%	\$61,581
(72)	Jun-24	\$15,851	\$1,054,097	\$0	\$1,331,491	\$277,394	21.00%	\$58,253
(73)	Jul-24	\$15,851	\$1,069,948	\$0	\$1,331,491	\$261,543	21.00%	\$54,924
(74)	Aug-24	\$15,851	\$1,085,799	\$0	\$1,331,491	\$245,692	21.00%	\$51,595
(75)	Sep-24	\$15,851	\$1,101,650	\$0	\$1,331,491	\$229,841	21.00%	\$48,267
(76)	Oct-24	\$15,851	\$1,117,501	\$0	\$1,331,491	\$213,990	21.00%	\$44,938
(77)	Nov-24	\$15,851	\$1,133,352	\$0	\$1,331,491	\$198,139	21.00%	\$41,609

The Narragansett Electric Company
d/b/a National Grid
RI Renewable Energy Growth Program
Calculation of Accumulated Tax Depreciation on REG Billing System Capital Modifications (cont.)

		Monthly Book Depreciation	Accumulated Book Depreciation	Monthly Tax Depreciation	Accumulated Tax Depreciation	Cumulative Book/Tax Timer	Effective Tax Rate	Accumulated Deferred Taxes
		(a)	(b)	(c)	(d)	(e)=(d)-(b)	(f)	(g)=(e)x(f)
(78)	Dec-24	\$15,851	\$1,149,204	\$0	\$1,331,491	\$182,287	21.00%	\$38,280
(79)	Jan-25	\$15,851	\$1,165,055	\$0	\$1,331,491	\$166,436	21.00%	\$34,952
(80)	Feb-25	\$15,851	\$1,180,906	\$0	\$1,331,491	\$150,585	21.00%	\$31,623
(81)	Mar-25	\$15,851	\$1,196,757	\$0	\$1,331,491	\$134,734	21.00%	\$28,294
(82)	Apr-25	\$15,851	\$1,212,608	\$0	\$1,331,491	\$118,883	21.00%	\$24,965
(83)	May-25	\$15,851	\$1,228,459	\$0	\$1,331,491	\$103,032	21.00%	\$21,637
(84)	Jun-25	\$15,851	\$1,244,310	\$0	\$1,331,491	\$87,181	21.00%	\$18,308
(85)	Jul-25	\$15,851	\$1,260,161	\$0	\$1,331,491	\$71,330	21.00%	\$14,979
(86)	Aug-25	\$15,851	\$1,276,012	\$0	\$1,331,491	\$55,479	21.00%	\$11,651
(87)	Sep-25	\$15,851	\$1,291,863	\$0	\$1,331,491	\$39,628	21.00%	\$8,322
(88)	Oct-25	\$15,851	\$1,307,714	\$0	\$1,331,491	\$23,777	21.00%	\$4,993
(89)	Nov-25	\$15,851	\$1,323,565	\$0	\$1,331,491	\$7,926	21.00%	\$1,664
(90)	Dec-25	\$7,926	\$1,331,491	\$0	\$1,331,491	\$0	21.00%	\$0

- (a) Equals Line (3); Line (6)(a) and Line (90)(a) = Line (3) x 50%
- (b) Prior month Column (b) + Current month Column (a)
- (c) Equals Line (5); Line (6)(c) = (Bonus depreciation per Page 12, Line (5))
- (d) Prior month Column (d) + Current month Column (c)

1 Page 17, Line ((38))(p)
3 Line (1) ÷ Line (2)

The Narragansett Electric Company
d/b/a National Grid
Renewable Energy Growth Program
Budget Forecast for Phase 2 Revised Billing System Capital Modifications

From IS Program Delivery

Monthly Forecast: Summary View

(\$ in '000's)

	2017			2018												Total	
	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Dev	Impl		Impl
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)		
(1) Personnel: NG	26.0	26.0	24.0	26.0	19.0	38.0	28.0	28.0	28.0	19.0	19.0	19.0	19.0	19.0	6.0	2.0	327.0
(2) OpEx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.0	2.0	8.0
(3) CapEx	26.0	26.0	24.0	26.0	19.0	38.0	28.0	28.0	28.0	19.0	19.0	19.0	19.0	-	-	-	319.0
(4) SDC Personnel: Time & Mat.	72.0	81.0	63.0	55.0	31.0	77.0	77.0	77.0	73.0	94.0	80.0	76.0	76.0	65.0	21.0	-	1,018.0
(5) OpEx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.0	21.0
(6) CapEx	72.0	81.0	63.0	55.0	31.0	77.0	77.0	77.0	73.0	94.0	80.0	76.0	76.0	65.0	-	-	997.0
(7) SDC Personnel: Fixed-Price	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(8) OpEx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(9) CapEx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(10) Hardware	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(11) OpEx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(12) CapEx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(13) Software	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(14) OpEx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(15) CapEx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(16) Other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(17) OpEx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(18) CapEx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(19) Overhead / Shared	4.0	4.0	3.0	3.0	2.0	11.0	-	-	12.0	-	-	7.0	-	-	4.0	-	50.0
(20) OpEx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5	0.5
(21) CapEx	4.0	4.0	3.0	3.0	2.0	11.0	-	-	12.0	-	-	7.0	-	-	3.5	-	49.5
(22) AFUDC	2.0	3.0	4.0	5.0	5.0	5.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	11.0	12.0	-	103.0
(23) Subtotal (without Risk)	104.0	114.0	94.0	89.0	57.0	131.0	110.0	111.0	120.0	121.0	108.0	112.0	106.0	82.0	39.0	-	1,498.0
(24) OpEx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.5	23.5
(25) CapEx	104.0	114.0	94.0	89.0	57.0	131.0	110.0	111.0	120.0	121.0	108.0	112.0	106.0	76.0	15.5	-	1,468.5
(26) Risk Margin	10.0	11.0	9.0	8.0	5.0	-	-	-	-	-	25.0	24.0	24.0	18.0	1.0	-	135.0
(27) OpEx	10.0	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0	-	15.0
(28) CapEx	-	11.0	9.0	8.0	5.0	-	-	-	-	-	25.0	24.0	24.0	18.0	0.5	-	124.5
(29) TOTAL OpEx & CapEx	114.0	125.0	103.0	97.0	62.0	131.0	110.0	111.0	120.0	121.0	133.0	136.0	130.0	100.0	40.0	-	1,633.0
(30) OpEx	10.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.5	38.5
(31) CapEx	104.0	125.0	103.0	97.0	62.0	131.0	110.0	111.0	120.0	121.0	133.0	136.0	130.0	94.0	16.0	-	1,593.0
(32) Asset Lease Costs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(33) Total Investment	114.0	125.0	103.0	97.0	62.0	131.0	110.0	111.0	120.0	121.0	133.0	136.0	130.0	100.0	40.0	-	1,633.0

Actual Summary (in \$)

(34) Actuals for INVP4555 (Opex)	(\$53,522)	\$0	\$0	\$3,170	\$8,462	\$0	\$0	\$579	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$41,311)
(35) Actuals for INVP4555 (Capex)	\$2,276	\$5,139	\$210,199	\$66,674	\$127,078	\$188,024	\$116,130	\$152,377	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$867,897
(36) Total	(\$51,246)	\$5,139	\$210,199	\$69,844	\$135,540	\$188,024	\$116,130	\$152,956	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$826,586
(37) Actual/Forecast for Shared Solar and Regrowth (Opex)	(\$35,860)	\$0	\$0	\$2,124	\$5,670	\$0	\$0	\$388	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$27,678)
(38) Actual/Forecast for Shared Solar and Regrowth (Capex) ¹	\$1,525	\$3,443	\$140,833	\$44,672	\$85,142	\$125,976	\$77,807	\$102,093	\$120,000	\$121,000	\$133,000	\$136,000	\$130,000	\$94,000	\$16,000	\$1,331,491	
(39) Total	(\$34,335)	\$3,443	\$140,833	\$46,795	\$90,812	\$125,976	\$77,807	\$102,481	\$120,000	\$121,000	\$133,000	\$136,000	\$130,000	\$94,000	\$16,000	\$1,303,813	

Workstreams

WS1	Shared Solar
WS2	Community Renewable
WS3	Community Regrowth

¹Includes Workstreams 1 and 3 only

The Narragansett Electric Company
d/b/a National Grid
Renewable Energy Growth Program
Weighted Average Cost of Capital on Billing System Capital Modifications

	Capital Ratio	Cost Rate	Weighted Return Rate	Taxes	Pre-tax Return Rate
	(a)	(b)	(c)	(d)	(e)
<u>Weighted Average Cost of Capital per Settlement Agreement R.I.P.U.C. Docket No. 4323:</u>					
(1) Long Term Debt	49.95%	4.96%	2.48%		2.48%
(2) Short Term Debt	0.76%	0.79%	0.01%		0.01%
(3) Preferred Stock	0.15%	4.50%	0.01%		0.01%
(4) Equity	49.14%	9.50%	4.67%	2.51%	7.18%
(5) Total	<u>100.00%</u>		<u>7.17%</u>	<u>2.51%</u>	<u>9.68%</u>

<u>Weighted Average Cost of Capital per Settlement Agreement R.I.P.U.C. Docket No. 4323 (With tax change effective 01/01/2018):</u>					
(6) Long Term Debt	49.95%	4.96%	2.48%		2.48%
(7) Short Term Debt	0.76%	0.79%	0.01%		0.01%
(8) Preferred Stock	0.15%	4.50%	0.01%		0.01%
(9) Common Equity	49.14%	9.50%	4.67%	1.24%	5.91%
(10) Total	<u>100.00%</u>		<u>7.17%</u>	<u>1.24%</u>	<u>8.41%</u>

Schedule NG – 4B

The Narragansett Electric Company
d/b/a National Grid
Renewable Energy Growth Program
Meter Investment Revenue Requirement
Annual Revenue Requirement Summary FY 2016 to FY 2019

	Revenue Requirement for			
	Program Year	Program Year	Program Year	Program Year
	Ending March 2016 (a)	Ending March 2017 (b)	Ending March 2018 (c)	Ending March 2019 (d)
<u>Current Meter Investment Revenue Requirement</u>				
(1) FY 2016 Actual Capital Investment	\$400	\$1,032	\$927	\$863
(2) FY 2017 Actual Capital Investment		\$6,142	\$14,813	\$13,794
(3) FY 2018 Actual Capital Investment			\$10,482	\$24,608
(4) Forecasted Annual Revenue Requirement on FY 2019 Capital Investment				\$10,455
(5) Total Meter Investment Revenue Requirement	\$400	\$7,174	\$26,222	\$49,721
<u>Previous Filing, Docket 4707</u>				
(6) FY 2016 Actual Capital Investment	\$400	\$1,029	\$961	
(7) FY 2017 Actual Capital Investment		\$2,634	\$15,476	
(8) Prior Period Reconciliation Amount		\$0	\$3,508	
(9) Forecasted Annual Revenue Requirement on FY 2018 Capital Investment		\$0	\$7,107	
(10) Total Meter Investment Revenue Requirement	\$400	\$3,663	\$27,051	
(11) Difference	\$0	\$3,511	(\$829)	
<u>Reconciliation</u>				
(12) FY 2017 Actual Capital Investment		\$6,142	(\$6,142)	
(13) FY 2017 Plan Capital Investment		(\$2,634)	\$2,634	
(14) FY 2018 Actual Capital Investment			\$10,482	
(15) FY 2018 Plan Capital Investment			(\$7,107)	
(16) MACRS Depreciation Calculation Correction		\$3	\$69	
(17) Property Tax Rate Change from 3.74% to 3.22%			(\$511)	
(18) Federal Income Tax Rate Change from 35% to 21%			(\$254)	
	\$0	\$3,511	(\$829)	

- | | |
|--|--|
| (1)(a) Page 2, Line (29)(a) | (8) Docket 4707, Schedule ASC-4B, Page 1, Line (3) |
| (1)(b) Page 2, Line (29)(b) | (9) Docket 4707, Schedule ASC-4B, Page 1, Line (4) |
| (1)(c) Page 2, Line (29)(c) | (10) Docket 4707, Schedule ASC-4B, Page 1, Line (5) |
| (1)(d) Page 2, Line (29)(d) | (11) Line (5) Less Line (10) |
| (2)(b) Page 3, Line (29)(a) | (12)(b) Line (2)(b) |
| (2)(c) Page 3, Line (29)(b) | (12)(c) Less Line (12)(b) |
| (2)(d) Page 3, Line (29)(c) | (13)(b) Line (7)(b) |
| (3)(c) Page 4, Line (29)(a) | (13)(c) Less Line (13)(b) |
| (3)(d) Page 4, Line (29)(b) | (14)(c) Line (2) |
| (4)(d) Page 5, Line (29)(a) | (15)(c) Line (9)(c) |
| (5) Sums Lines (1) through (4) | (16)(b) Docket 4707, Schedule ASC-4B, Page 2, Line (12)(b) formula correction impact |
| (6) Docket 4707, Schedule ASC-4B, Page 1, Line (1) | (16)(c) Docket 4707, Schedule ASC-4B, Page 4, Line (12)(b) formula correction impact |
| (7) Docket 4707, Schedule ASC-4B, Page 1, Line (2) | (17)(c) Per Docket 4682, Attachment MAL-1, Page 18, Line 34 and 72 |
| | (18)(c) Impact of Federal Tax law changes |

The Narragansett Electric Company
d/b/a National Grid
Renewable Energy Growth Program
Meter Investment Revenue Requirement
FY 2019 Revenue Requirement on Investment During Program Year Ending March 2016

		Program Year Ending March 2016 (a)	Program Year Ending March 2017 (b)	Program Year Ending March 2018 (c)	Program Year Ending March 2019 (d)
(1)	Capital Additions	83 Meters * \$35/meter plus installation	\$6,189		
(2)	Total Net Plant in Service		\$6,189	\$6,189	\$6,189
<u>Deferred Tax Calculation:</u>					
(3)	Book Depreciation Rate	Page 8, Line (5)(a)	5.16%	5.16%	5.16%
(4)	Book Depreciation	Line (2) * Line (3) * 50%	\$160	\$319	\$319
(5)	Cumulative Book Depreciation		\$160	\$479	\$798
<u>Tax Depreciation</u>					
(6)	Capital Additions	Line (2)	\$6,189		
(7)	Percentage of Plant Eligible for Bonus Depreciation		100%		
(8)	Bonus Depreciation Rate		50%		
(9)	Bonus Depreciation	Line (6) * Line (7) * Line (8)	\$3,094		
(10)	Remaining Plant Additions subject to MACRS Tax Depreciation	Line (6) - Line (9)	\$3,094	\$3,094	\$3,094
(11)	20 YR MACRS Tax Depreciation Rates		3.750%	7.219%	6.677%
(12)	MACRS Tax Depreciation	Line (10) * Line (11)	\$116	\$223	\$207
(13)	Total Tax Depreciation	Line (9) + Line (12)	\$3,210	\$223	\$207
(14)	Cumulative Tax Depreciation		\$3,210	\$3,434	\$3,640
(15)	Cumulative Book / Tax Timer	Line (14) - Line (5)	\$3,050	\$2,955	\$2,842
(16)	Effective Tax Rate	(c): (35% * 9mths/12mths) + (21% * 3mths/12mths)	35.00%	35.00%	31.55%
(17)	Deferred Tax Reserve	Line (15) * Line (16)	\$1,068	\$1,034	\$897
(18)	Less: FY 2017 Federal NOL	All applied by ISR filing	\$0	\$0	\$0
(18a)	Excess Deferred Taxes		\$0	\$0	\$100
(19)	Net Deferred Tax Reserve	Line (17) + Line (18) + Line (18)(a)	\$1,068	\$1,034	\$997
<u>Rate Base Calculation:</u>					
(20)	Cumulative Incremental Capital Included in Rate Base	Line (2)	\$6,189	\$6,189	\$6,189
(21)	Accumulated Depreciation	Less Line (5)	(\$160)	(\$479)	(\$798)
(22)	Deferred Tax Reserve	Less Line (19)	(\$1,068)	(\$1,034)	(\$997)
(23)	Year End Rate Base	Sum of Lines (20) through (22)	\$4,961	\$4,675	\$4,393
<u>Revenue Requirement Calculation:</u>					
(24)	Average Rate Base	(Prior Year Line (23) + Current Year Line (23)) ÷ 2	\$2,480	\$4,818	\$4,534
(25)	Pre-Tax ROR	See Line Notes	9.68%	9.68%	9.36%
(26)	Return and Taxes	Line (24) * Line (25)	\$240	\$466	\$424
(27)	Book Depreciation	Line (4)	\$160	\$319	\$319
(28)	Property Taxes	Property Tax rate per FY17, FY18 & FY19 Elec ISR Reconciliation/Plan	\$0	\$247	\$184
(29)	Annual Revenue Requirement	Sum of Lines (26) through (28)	\$400	\$1,032	\$927

1/ Excess Deferred Calculation

(i)	Cumulative Book / Tax Timer 2018	\$2,842	Line (15), Column (c)
(ii)	Less: Cumulative Book / Tax Timer 2017	\$2,955	Line (15), Column (b)
(iii)	Annual change	(\$112)	Line (i) Less Line (ii)
(iv)	9 months allocation	75%	(9 months / 12 months)
(v)	9 months change	(\$84)	Line (iii) times Line (iv)
(vi)	Add: Cumulative Book / Tax Timer 2017 at 3/31/2017	\$2,955	Line (15), Column (b)
(vii)	Cumulative Book / Tax Timer 2017 at 12/31/2017	\$2,870	Line (v) plus Line (vi)
(viii)	Reduction in tax rate	14%	(35% tax Less 21% tax)
(ix)	Excess Deferred Taxes	\$402	Line (vii) times Line (viii)
(x)	3 months Ending 03/31/2018	\$100	Line (ix) * 25%

- (25)(a) Page 7, Line 5(e)
(25)(b) Page 7, Line 5(e)
(25)(c) Page 7, Line 11(e)
(25)(d) Page 7, Line 10(e)
(28)(a) \$0 in first year
(28)(b) Docket 4592, Page 16, Line (22)(h)
(28)(c) Docket 4682, Page 21, Line (72)(h)
(28)(d) Docket 4783, Page 21, Line (71)(h)

The Narragansett Electric Company
d/b/a National Grid
Renewable Energy Growth Program
Meter Investment Revenue Requirement
FY 2019 Revenue Requirement on FY 2017 Actual Incremental Capital Investment

		Program Year Ending March 2017 (a)	Program Year Ending March 2018 (b)	Program Year Ending March 2019 (c)
(1)	Capital Additions	874 Meters * \$35/meter plus installation	\$95,064	
(2)	Total Net Plant in Service		\$95,064	\$95,064
Deferred Tax Calculation:				
(3)	Book Depreciation Rate	Page 8, Line (5)(a)	5.16%	5.16%
(4)	Book Depreciation	Line (2) * Line (3) * 50%	\$2,453	\$4,905
(5)	Cumulative Book Depreciation		\$2,453	\$7,358
Tax Depreciation				
(6)	Capital Additions	Line (2)	\$95,064	
(7)	Percentage of Plant Eligible for Bonus Depreciation		100%	
(8)	Bonus Depreciation Rate		50%	
(9)	Bonus Depreciation	Line (6) * Line (7) * Line (8)	\$47,532	
(10)	Remaining Plant Additions subject to MACRS Tax Depreciation	Line (6) - Line (9)	\$47,532	\$47,532
(11)	20 YR MACRS Tax Depreciation Rates		3.750%	7.219%
(12)	MACRS Tax Depreciation	Line (10) * Line (11)	\$1,782	\$3,431
(13)	Total Tax Depreciation	Line (9) + Line (12)	\$49,315	\$3,431
(14)	Cumulative Tax Depreciation		\$49,315	\$52,746
(15)	Cumulative Book / Tax Timer	Line (14) - Line (5)	\$46,862	\$45,388
(16)	Effective Tax Rate	(b): (35% * 9mths/12mths) + (21% * 3mths/12mths)	35.00%	31.55%
(17)	Deferred Tax Reserve	Line (15) * Line (16)	\$16,402	\$14,319
(18)	Less: FY 2017 Federal NOL	All applied by ISR filing	\$0	\$0
(18a)	Excess Deferred Taxes		\$0	\$1,601
(19)	Net Deferred Tax Reserve	Line (17) + Line (18) + Line (18)(a)	\$16,402	\$15,920
Rate Base Calculation:				
(20)	Cumulative Incremental Capital Included in Rate Base	Line (2)	\$95,064	\$95,064
(21)	Accumulated Depreciation	Less Line (5)	(\$2,453)	(\$7,358)
(22)	Deferred Tax Reserve	Less Line (19)	(\$16,402)	(\$15,920)
(23)	Year End Rate Base	Sum of Lines (20) through (22)	\$76,210	\$71,786
Revenue Requirement Calculation:				
(24)	Average Rate Base	(Prior Year Line (23) + Current Year Line (23)) ÷ 2	\$38,105	\$73,998
(25)	Pre-Tax ROR	See Line Notes	9.68%	9.36%
(26)	Return and Taxes	Line (24) * Line (25)	\$3,689	\$6,926
(27)	Book Depreciation	Line (4)	\$2,453	\$4,905
(28)	Property Taxes	Property Tax rate per FY17, FY18 & FY19 Elec ISR Reconciliation/Plan	\$0	\$2,982
(29)	Annual Revenue Requirement	Sum of Lines (26) through (28)	\$6,142	\$14,813
1/ Excess Deferred Calculation				
(i)	Cumulative Book / Tax Timer 2018	\$45,388	Line (15), Column (b)	
(ii)	Less: Cumulative Book / Tax Timer 2017	\$46,862	Line (15), Column (a)	
(iii)	Annual change	(\$1,474)	Line (i) Less Line (ii)	
(iv)	9 months allocation	75%	(9 months / 12 months)	
(v)	9 months change	(\$1,105)	Line (iii) times Line (iv)	
(vi)	Add: Cumulative Book / Tax Timer 2018 at 3/31/2017	\$46,862	Line (15), Column (a)	
(vii)	Cumulative Book / Tax Timer 2018 at 12/31/2017	\$45,756	Line (v) plus Line (vi)	
(viii)	Reduction in tax rate	14%	(35% tax Less 21% tax)	
(ix)	Excess Deferred Taxes	\$6,406	Line (vii) times Line (viii)	
(x)	3 months Ending 03/31/2018	\$1,601	Line (ix) * 25%	
(25)(a)	Page 7, Line (5)(e)			
(25)(b)	Page 7, Line (11)(e)			
(25)(c)	Page 7, Line (10)(e)			
(28)(a)	\$0 in first year			
(28)(b)	Docket 4682, Page 21, Line (72)(h)			
(28)(c)	Docket 4783, Page 21, Line (71)(h)			

The Narragansett Electric Company
d/b/a National Grid
Renewable Energy Growth Program
Meter Investment Revenue Requirement
FY 2019 Revenue Requirement on FY 2018 Actual Incremental Capital Investment

		Program Year Ending March 2018 (a)	Program Year Ending March 2019 (b)
(1)	Capital Additions 1274 Meters * \$36/meter plus installation	\$155,493	
(2)	Total Net Plant in Service	\$155,493	\$155,493
<u>Deferred Tax Calculation:</u>			
(3)	Book Depreciation Rate	Page 8, Line (5)(a) 5.16%	5.16%
(4)	Book Depreciation	Line (2) * Line (3) * 50%	\$4,012
(5)	Cumulative Book Depreciation		\$4,012
<u>Tax Depreciation</u>			
(6)	Capital Additions	Line (2)	\$155,493
(7)	Percentage of Plant Eligible for Bonus Depreciation	100%	
(8)	Bonus Depreciation Rate (ending 09/27/2017)	180 Days Ending 09/27 / 365 Days in Fiscal Year x 50%	25%
(9)	Bonus Depreciation	Line (6) * Line (7) * Line (8)	\$38,341
(10)	Remaining Plant Additions subject to MACRS Tax Depreciation	Line (6) - Line (9)	\$117,152
(11)	20 YR MACRS Tax Depreciation Rates		3.750%
(12)	MACRS Tax Depreciation	Line (10) * Line (11)	\$4,393
(13)	Total Tax Depreciation	Line (9) + Line (12)	\$42,734
(14)	Cumulative Tax Depreciation		\$42,734
(15)	Cumulative Book / Tax Timer	Line (14) - Line (5)	\$38,722
(16)	Effective Tax Rate	(35% * 9mths/12mths) + (21% * 3mths/12mths)	31.55%
(17)	Deferred Tax Reserve	Line (15) * Line (16)	\$12,216
(18)	Less: FY 2017 Federal NOL	All applied by ISR filing	\$0
(18a)	Excess Deferred Taxes		\$1,016
(19)	Net Deferred Tax Reserve	Line (17) + Line (18)	\$13,232
<u>Rate Base Calculation:</u>			
(20)	Cumulative Incremental Capital Included in Rate Base	Line (2)	\$155,493
(21)	Accumulated Depreciation	Less Line (5)	(\$4,012)
(22)	Deferred Tax Reserve	Less Line (19)	(\$13,232)
(23)	Year End Rate Base	Sum of Lines (20) through (22)	\$138,249
<u>Revenue Requirement Calculation:</u>			
(24)	Average Rate Base	(Prior Year Line (23) + Current Year Line (23)) ÷ 2	\$69,124
(25)	Pre-Tax ROR	See Line Notes	9.36%
(26)	Return and Taxes	Line (24) * Line (25)	\$6,470
(27)	Book Depreciation	Line (4)	\$4,012
(28)	Property Taxes	Property Tax rate per FY19 Elec ISR Plan	\$0
(29)	Annual Revenue Requirement	Sum of Lines (26) through (28)	\$10,482

1/ Excess Deferred Calculation

(i) Cumulative Book / Tax Timer 2018	\$38,722	Line (15), Column (a)
(ii) Less: Cumulative Book / Tax Timer 2017	\$0	Beginning of Program
(iii) Annual change	\$38,722	Line (i) Less Line (ii)
(iv) 9 months allocation	75%	(9 months / 12 months)
(v) 9 months change	\$29,041	Line (iii) times Line (iv)
(vi) Add: Cumulative Book / Tax Timer 2017 at 3/31/2017	\$0	Beginning of Program
(vii) Cumulative Book / Tax Timer 2019 at 12/31/2017	\$29,041	Line (v) plus Line (vi)
(viii) Reduction in tax rate	14%	(35% tax Less 21% tax)
(ix) Excess Deferred Taxes	\$4,066	Line (vii) times Line (viii)
(x) 3 months Ending 03/31/2018	\$1,016	Line (i) times 25%

- (25)(a) Page 7, Line (11)(e)
(25)(b) Page 7, Line (10)(e)
(28)(a) \$0 in first year
(28)(b) Docket 4783, Page 21, Line (71)(h)

The Narragansett Electric Company
d/b/a National Grid
Renewable Energy Growth Program
Meter Investment Revenue Requirement
FY 2019 Revenue Requirement on FY 2019 Projected Incremental Capital Investment

		Program Year Ending March 2019 (a)
(1)	Capital Additions	1285 Meters * \$36/meter plus installation \$156,836
(2)	Total Net Plant in Service	\$156,836
<u>Deferred Tax Calculation:</u>		
(3)	Book Depreciation Rate	Page 8, Line (5)(a) 5.16%
(4)	Book Depreciation	Line (2) * Line (3) * 50% \$4,046
(5)	Cumulative Book Depreciation	<u>\$4,046</u>
<u>Tax Depreciation</u>		
(6)	Capital Additions	Line (2) \$156,836
(7)	Percentage of Plant Eligible for Bonus Depreciation	100%
(8)	Bonus Depreciation Rate	<u>0.00%</u>
(9)	Bonus Depreciation	Line (6) * Line (7) * Line (8) \$0
(10)	Remaining Plant Additions subject to MACRS Tax Depreciation	Line (6) - Line (9) \$156,836
(11)	20 YR MACRS Tax Depreciation Rates	<u>3,750%</u>
(12)	MACRS Tax Depreciation	Line (10) * Line (11) <u>\$5,881</u>
(13)	Total Tax Depreciation	Line (9) + Line (12) \$5,881
(14)	Cumulative Tax Depreciation	<u>\$5,881</u>
(15)	Cumulative Book / Tax Timer	Line (14) - Line (5) \$1,835
(16)	Effective Tax Rate	<u>21.00%</u>
(17)	Deferred Tax Reserve	Line (15) * Line (16) \$385
(18)	Less: FY 2017 Federal NOL	All applied by ISR filing \$0
(19)	Net Deferred Tax Reserve	Line (17) + Line (18) <u>\$385</u>
<u>Rate Base Calculation:</u>		
(20)	Cumulative Incremental Capital Included in Rate Base	Line (2) \$156,836
(21)	Accumulated Depreciation	Less Line (5) (\$4,046)
(22)	Deferred Tax Reserve	Less Line (19) (\$385)
(23)	Year End Rate Base	Sum of Lines (22) through (24) <u>\$152,404</u>
<u>Revenue Requirement Calculation:</u>		
(24)	Average Rate Base	(Prior Year Line (25) + Current Year Line (25)) ÷ 2 \$76,202
(25)	Pre-Tax ROR	Page 7, Line (10)(e) 8.41%
(26)	Return and Taxes	Line (26) * Line (27) \$6,409
(27)	Book Depreciation	Line (4) \$4,046
(28)	Property Taxes	Property Tax rate per FY19 Elec ISR Plan \$0
(29)	Annual Revenue Requirement	Sum of Lines (26) through (28) \$10,455
(28)	\$0 in first year	

The Narragansett Electric Company
d/b/a National Grid
Renewable Energy Growth Program
Summary of Capitalized Meter Costs
Program Years 1 through 4

	Program Year 1	Program Year 2		Program Year 3		Program Year 4	
	Ending March Actual 2016	Ending March Projected 2017	Ending March Actual 2017	Ending March Projected 2018	Ending March Actual 2018	Ending March Projected 2019	
	(a)	(b)	(c)	(d)	(e)	(f)	
<u>Meter costs:</u>							
	Number of Meters	83	547	874	1,005	1,274	1,285
(1)	Meters	\$2,905	\$19,145	\$30,590	\$35,179	\$45,864	\$46,260
(2)	Sales tax	\$203	\$1,340	\$2,141	\$2,462	\$3,210	\$3,238
(3)	Subtotal	\$3,108	\$20,485	\$32,731	\$37,641	\$49,074	\$49,498
<u>Installation costs:</u>							
(4)	Labor	\$1,782	\$11,743	\$37,307	\$42,904	\$67,560	\$68,143
(5)	Overheads	\$851	\$5,609	\$19,072	\$21,933	\$32,770	\$33,053
(6)	Transportation	\$447	\$2,948	\$5,953	\$6,846	\$6,089	\$6,141
(7)	AFUDC	\$0	\$0	\$0	\$0	\$0	\$0
(8)	Subtotal	\$3,080	\$20,300	\$62,333	\$71,683	\$106,419	\$107,337
(9)	Total Capital Costs	\$6,189	\$40,785	\$95,064	\$109,324	\$155,493	\$156,836
(1)	Per Company Books						
(2)	Line (1) times 7%						
(3)	Line (1) plus Line (2)						
(4) ~ (7)	Per Company Books						
(8)	Sum of Line (4) through Line (7)						
(9)	Line (3) plus Line (8)						

The Narragansett Electric Company
d/b/a National Grid
Renewable Energy Growth Program
Meter Investment Revenue Requirement
Weighted Average Cost of Capital

	Capital Ratio	Cost Rate	Weighted Return Rate	Taxes	Pre-tax Return Rate
	(a)	(b)	(c)	(d)	(e)
<u>Weighted Average Cost of Capital per Settlement Agreement R.I.P.U.C. Docket No. 4323:</u>					
(1) Long Term Debt	49.95%	4.96%	2.48%		2.48%
(2) Short Term Debt	0.76%	0.79%	0.01%		0.01%
(3) Preferred Stock	0.15%	4.50%	0.01%		0.01%
(4) Common Equity	49.14%	9.50%	4.67%	2.51%	7.18%
(5) Total	<u>100.00%</u>		<u>7.17%</u>	<u>2.51%</u>	<u>9.68%</u>
<u>Weighted Average Cost of Capital per Settlement Agreement R.I.P.U.C. Docket No. 4323 (With tax change as of 01/01/2018):</u>					
(6) Long Term Debt	49.95%	4.96%	2.48%		2.48%
(7) Short Term Debt	0.76%	0.79%	0.01%		0.01%
(8) Preferred Stock	0.15%	4.50%	0.01%		0.01%
(9) Common Equity	49.14%	9.50%	4.67%	1.24%	5.91%
(10) Total	<u>100.00%</u>		<u>7.17%</u>	<u>1.24%</u>	<u>8.41%</u>
(11) Blended Rate for 12 months ending 03/31/2018			(Line (5)(e) * (9mths/12mths)) + (Line (10)(e) * (3mths/12mths))		9.36%

The Narragansett Electric Company
d/b/a National Grid
Renewable Energy Growth Program
Depreciation Rates

	<u>Account</u>	<u>Account Title</u>	<u>Rates</u>
			(a)
(1)	370.10	Meters - Bare Cost - Domestic	5.19%
(2)	370.20	Meters - Install Cost - Domestic	5.29%
(3)	370.30	Meters - Bare Cost - Large	5.26%
(4)	370.35	Meters - Install Cost - Large	4.90%
(5)	Average		<u>5.16%</u>

(1) - (5) Docket 4065, Workpaper NG-RLO-28, Page 8

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

Monthly kWh (a)	Present Rates			Proposed Rates Effective October 1, 2018			\$ Increase (Decrease)			Increase (Decrease) % of Total Bill			Percentage of Customers (n)		
	Delivery Services (b)	Supply Services (c)	GET (d)	Delivery Services (b)	Supply Services (c)	GET (d)	Delivery Services (f)	Supply Services (g)	GET (h)	Delivery Services (j)	Supply Services (k)	GET (l)		Total (m)	
150	\$20.38	\$12.73	\$1.38	\$21.11	\$12.73	\$1.41	\$0.73	\$0.00	\$0.03	\$0.76	2.1%	0.0%	0.1%	2.2%	30.1%
300	\$34.18	\$25.46	\$2.49	\$34.91	\$25.46	\$2.52	\$0.73	\$0.00	\$0.03	\$0.76	1.2%	0.0%	0.0%	1.2%	12.9%
400	\$43.37	\$33.94	\$3.22	\$44.10	\$33.94	\$3.25	\$0.73	\$0.00	\$0.03	\$0.76	0.9%	0.0%	0.0%	0.9%	11.6%
500	\$52.57	\$42.43	\$3.96	\$53.30	\$42.43	\$3.99	\$0.73	\$0.00	\$0.03	\$0.76	0.7%	0.0%	0.0%	0.8%	9.6%
600	\$61.76	\$50.92	\$4.70	\$62.49	\$50.92	\$4.73	\$0.73	\$0.00	\$0.03	\$0.76	0.6%	0.0%	0.0%	0.6%	7.7%
700	\$70.96	\$59.40	\$5.43	\$71.69	\$59.40	\$5.46	\$0.73	\$0.00	\$0.03	\$0.76	0.5%	0.0%	0.0%	0.6%	19.0%
1,200	\$116.93	\$101.83	\$9.12	\$117.66	\$101.83	\$9.15	\$0.73	\$0.00	\$0.03	\$0.76	0.3%	0.0%	0.0%	0.3%	6.8%
2,000	\$190.49	\$169.72	\$15.01	\$191.22	\$169.72	\$15.04	\$0.73	\$0.00	\$0.03	\$0.76	0.2%	0.0%	0.0%	0.2%	2.3%

Present Rates (o) Proposed Rates Effective October 1, 2018 (p)

Line Item on Bill	Present Rates (o)	Proposed Rates Effective October 1, 2018 (p)
(1) Distribution Customer Charge	\$5.00	\$5.00
(2) LIHEAP Enhancement Charge	\$0.81	\$0.81
(3) Renewable Energy Growth Program Charge	\$0.78	\$1.51
(4) Distribution Charge (per kWh)	\$0.03664	\$0.03664
(5) Operating & Maintenance Expense Charge	\$0.00175	\$0.00175
(6) Operating & Maintenance Expense Reconciliation Factor	(\$0.00001)	(\$0.00001)
(7) FY18 CapEx Factor Charge	\$0.00355	\$0.00355
(8) CapEx Reconciliation Factor	(\$0.00135)	(\$0.00135)
(9) Revenue Decoupling Adjustment Factor	\$0.00118	\$0.00118
(10) Pension Adjustment Factor	(\$0.00085)	(\$0.00085)
(11) Storm Fund Replenishment Factor	\$0.00288	\$0.00288
(12) Average Management Adjustment Factor	\$0.00000	\$0.00000
(13) Long-term Contracting for Renewable Energy Charge	\$0.00587	\$0.00587
(14) Net Metering Charge	\$0.00043	\$0.00043
(15) Base Transmission Charge	\$0.03154	\$0.03154
(16) Transmission Adjustment Factor	\$0.00076	\$0.00076
(17) Transmission Uncollectible Factor	\$0.00041	\$0.00041
(18) Base Transition Charge	(\$0.00083)	(\$0.00083)
(19) Transition Adjustment	(\$0.00004)	(\$0.00004)
(20) Energy Efficiency Program Charge	\$0.01002	\$0.01002
(21) Standard Offer Service Base Charge	\$0.08315	\$0.08315
(22) SOS Adjustment Factor	\$0.00007	\$0.00007
(23) SOS Administrative Cost Adjustment Factor	\$0.00160	\$0.00160
(24) Renewable Energy Standard Charge	\$0.00004	\$0.00004

Line Item on Bill	Present Rates (o)	Proposed Rates Effective October 1, 2018 (p)
(25) Customer Charge	\$5.00	\$5.00
(26) LIHEAP Enhancement Charge	\$0.81	\$0.81
(27) RE Growth Program	\$0.78	\$1.51
(28) Transmission Charge	kWh x \$0.03271	\$0.03271
(29) Distribution Energy Charge	kWh x \$0.04379	\$0.04379
(30) Transition Charge	kWh x (\$0.00087)	(\$0.00087)
(31) Energy Efficiency Programs	kWh x \$0.01002	\$0.01002
(32) Renewable Energy Distribution Charge	kWh x \$0.00630	\$0.00630
(33) Supply Services Energy Charge	kWh x \$0.08486	\$0.08486

Column (o): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 4/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 4/1/2018
 Column (p): Lines (1), (2), (4) through (24) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 4/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 4/1/2018
 Line (3): Proposed RE Growth Factor per Schedule ASC-1, Page 1, Line (3)

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

Monthly kWh	Present Rates				Proposed Rates Effective October 1, 2018				\$ Increase (Decrease)				Increase (Decrease) % of Total Bill		Percentage of Customers of Customers (n)		
	Delivery Services (b)	Supply Services (c)	GET (d)	Total (e)	Delivery Services (b)	Supply Services (c)	GET (d)	Total (e)	Delivery Services (f)	Supply Services (g)	GET (h)	Total (i)	Delivery Services (j)	Supply Services (k)		GET (l)	Total (m)
150	\$13.36	\$12.73	\$1.09	\$27.18	\$14.09	\$12.73	\$1.12	\$27.94	\$0.73	\$0.00	\$0.03	\$0.76	2.7%	0.0%	0.1%	2.8%	32.1%
300	\$25.13	\$25.46	\$2.11	\$52.70	\$25.86	\$25.46	\$2.14	\$53.46	\$0.73	\$0.00	\$0.03	\$0.76	1.4%	0.0%	0.1%	1.4%	15.4%
400	\$32.98	\$33.94	\$2.79	\$69.71	\$33.71	\$33.94	\$2.82	\$70.47	\$0.73	\$0.00	\$0.03	\$0.76	1.0%	0.0%	0.0%	1.1%	12.5%
500	\$40.83	\$42.43	\$3.47	\$86.73	\$41.56	\$42.43	\$3.50	\$87.49	\$0.73	\$0.00	\$0.03	\$0.76	0.8%	0.0%	0.0%	0.9%	9.6%
600	\$48.68	\$50.92	\$4.15	\$103.75	\$49.41	\$50.92	\$4.18	\$104.51	\$0.73	\$0.00	\$0.03	\$0.76	0.7%	0.0%	0.0%	0.7%	7.2%
700	\$56.53	\$59.40	\$4.83	\$120.76	\$57.26	\$59.40	\$4.86	\$121.52	\$0.73	\$0.00	\$0.03	\$0.76	0.6%	0.0%	0.0%	0.6%	16.4%
1,200	\$95.77	\$101.83	\$8.23	\$205.83	\$96.50	\$101.83	\$8.26	\$206.59	\$0.73	\$0.00	\$0.03	\$0.76	0.4%	0.0%	0.0%	0.4%	5.2%
2,000	\$158.55	\$169.72	\$13.68	\$341.95	\$159.28	\$169.72	\$13.71	\$342.71	\$0.73	\$0.00	\$0.03	\$0.76	0.2%	0.0%	0.0%	0.2%	1.6%

Line Item on Bill	Present Rates		Proposed Rates Effective October 1, 2018		Line Item on Bill	Present Rates		Proposed Rates Effective October 1, 2018	
	(o)	(p)	(q)	(r)		(s)	(t)	(u)	(v)
(1) Distribution Customer Charge	\$0.00	\$0.00	\$0.00	\$0.00	Customer Charge	\$0.00	\$0.00	\$0.00	\$0.00
(2) LIHEAP Enhancement Charge	\$0.81	\$0.81	\$0.81	\$0.81	LIHEAP Enhancement Charge	\$0.81	\$0.81	\$0.81	\$0.81
(3) Renewable Energy Growth Program Charge	\$0.78	\$0.78	\$0.78	\$0.78	RE Growth Program	\$0.78	\$0.78	\$0.78	\$0.78
(4) Distribution Charge (per kWh)	\$0.02317	\$0.02317	\$0.02317	\$0.02317					
(5) Operating & Maintenance Expense Charge	\$0.00175	\$0.00175	\$0.00175	\$0.00175					
(6) Operating & Maintenance Expense Reconciliation Factor	(\$0.00001)	(\$0.00001)	(\$0.00001)	(\$0.00001)					
(7) FY18 CapEx Factor Charge	\$0.00355	\$0.00355	\$0.00355	\$0.00355					
(8) CapEx Reconciliation Factor	(\$0.00135)	(\$0.00135)	(\$0.00135)	(\$0.00135)	Distribution Energy Charge	\$0.00118	\$0.00118	\$0.00118	\$0.00118
(9) Revenue Decoupling Adjustment Factor	\$0.00118	\$0.00118	\$0.00118	\$0.00118					
(10) Pension Adjustment Factor	(\$0.00085)	(\$0.00085)	(\$0.00085)	(\$0.00085)					
(11) Storm Fund Replenishment Factor	\$0.00288	\$0.00288	\$0.00288	\$0.00288					
(12) Average Management Adjustment Factor	\$0.00000	\$0.00000	\$0.00000	\$0.00000					
(13) Long-term Contracting for Renewable Energy Charge	\$0.00587	\$0.00587	\$0.00587	\$0.00587	Renewable Energy Distribution Charge	\$0.00043	\$0.00043	\$0.00043	\$0.00043
(14) Net Metering Charge	\$0.00043	\$0.00043	\$0.00043	\$0.00043					
(15) Base Transmission Charge	\$0.03154	\$0.03154	\$0.03154	\$0.03154					
(16) Transmission Adjustment Factor	\$0.00076	\$0.00076	\$0.00076	\$0.00076	Transmission Charge	\$0.00041	\$0.00041	\$0.00041	\$0.00041
(17) Transmission Uncollectible Factor	\$0.00041	\$0.00041	\$0.00041	\$0.00041					
(18) Base Transition Charge	(\$0.00083)	(\$0.00083)	(\$0.00083)	(\$0.00083)	Transition Charge	(\$0.00004)	(\$0.00004)	(\$0.00004)	(\$0.00004)
(19) Transition Adjustment	(\$0.00004)	(\$0.00004)	(\$0.00004)	(\$0.00004)	Energy Efficiency Programs	\$0.01002	\$0.01002	\$0.01002	\$0.01002
(20) Energy Efficiency Program Charge	\$0.01002	\$0.01002	\$0.01002	\$0.01002					
(21) Standard Offer Service Base Charge	\$0.08315	\$0.08315	\$0.08315	\$0.08315					
(22) SOS Adjustment Factor	\$0.00007	\$0.00007	\$0.00007	\$0.00007	Supply Services Energy Charge	\$0.00004	\$0.00004	\$0.00004	\$0.00004
(23) SOS Administrative Cost Adjustment Factor	\$0.00160	\$0.00160	\$0.00160	\$0.00160					
(24) Renewable Energy Standard Charge	\$0.00004	\$0.00004	\$0.00004	\$0.00004					

Line Item on Bill	(w)	(x)	(y)	(z)
(25) Customer Charge	\$0.00	\$0.00	\$0.00	\$0.00
(26) LIHEAP Enhancement Charge	\$0.81	\$0.81	\$0.81	\$0.81
(27) RE Growth Program	\$0.78	\$0.78	\$0.78	\$0.78
(28) Transmission Charge	\$0.03271	\$0.03271	\$0.03271	\$0.03271
(29) Distribution Energy Charge	\$0.03032	\$0.03032	\$0.03032	\$0.03032
(30) Transition Charge	(\$0.00087)	(\$0.00087)	(\$0.00087)	(\$0.00087)
(31) Energy Efficiency Programs	\$0.01002	\$0.01002	\$0.01002	\$0.01002
(32) Renewable Energy Distribution Charge	\$0.00630	\$0.00630	\$0.00630	\$0.00630
(33) Supply Services Energy Charge	\$0.08486	\$0.08486	\$0.08486	\$0.08486

Column (o): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 4/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 4/1/2018
 Column (p): Lines (1), (2), (4) through (24) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 4/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 4/1/2018
 Line (3): Proposed RE Growth Factor per Schedule ASC-1, Page 1, Line (3)

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

Monthly kWh (a)	Present Rates			Proposed Rates Effective October 1, 2018			\$ Increase (Decrease)			Increase (Decrease) % of Total Bill			Percentage of Customers (n)	
	Delivery Services (b)	Supply Services (c)	GET (d)	Total (e)	Delivery Services (f)	Supply Services (g)	GET (h)	Total (i)	Delivery Services (j)	Supply Services (k)	GET (l)	Total (m)		
250	\$32.63	\$20.48	\$2.21	\$55.32	\$33.73	\$20.48	\$2.26	\$56.47	\$1.10	\$0.00	\$0.05	\$1.15	2.1%	56.3%
500	\$53.19	\$40.95	\$3.92	\$98.06	\$54.29	\$40.95	\$3.97	\$99.21	\$1.10	\$0.00	\$0.05	\$1.15	1.1%	16.9%
1,000	\$94.30	\$81.90	\$7.34	\$183.54	\$95.40	\$81.90	\$7.39	\$184.69	\$1.10	\$0.00	\$0.05	\$1.15	0.6%	8.1%
1,500	\$135.42	\$122.85	\$10.76	\$269.03	\$136.52	\$122.85	\$10.81	\$270.18	\$1.10	\$0.00	\$0.05	\$1.15	0.4%	5.0%
2,000	\$176.53	\$163.80	\$14.18	\$354.51	\$177.63	\$163.80	\$14.23	\$355.66	\$1.10	\$0.00	\$0.05	\$1.15	0.3%	13.6%

Line Item on Bill
Proposed Rates Effective October 1, 2018

Line Item on Bill	Present Rates (o)	Proposed Rates Effective October 1, 2018 (p)
(1) Distribution Customer Charge	\$10.00	\$10.00
(2) LIHEAP Enhancement Charge	\$0.81	\$0.81
(3) Renewable Energy Growth Program Charge	\$1.26	\$2.36
(4) Distribution Charge (per kWh)	\$0.03253	\$0.03253
(5) Operating & Maintenance Expense Charge	\$0.00176	\$0.00176
(6) Operating & Maintenance Expense Reconciliation Factor	(\$0.00001)	(\$0.00001)
(7) FY18 CapEx Factor Charge	\$0.00322	\$0.00322
(8) CapEx Reconciliation Factor	(\$0.00119)	(\$0.00119)
(9) Revenue Decoupling Adjustment Factor	\$0.00118	\$0.00118
(10) Pension Adjustment Factor	(\$0.00085)	(\$0.00085)
(11) Storm Fund Replenishment Factor	\$0.00288	\$0.00288
(12) Arrears Management Adjustment Factor	\$0.00000	\$0.00000
(13) Long-term Contracting for Renewable Energy Charge	\$0.00587	\$0.00587
(14) Net Metering Charge	\$0.00043	\$0.00043
(15) Base Transmission Charge	\$0.03167	\$0.03167
(16) Transmission Adjustment Factor	(\$0.00474)	(\$0.00474)
(17) Transmission Uncollectible Factor	\$0.00033	\$0.00033
(18) Base Transition Charge	(\$0.00083)	(\$0.00083)
(19) Transition Adjustment	(\$0.00004)	(\$0.00004)
(20) Energy Efficiency Program Charge	\$0.01002	\$0.01002
(21) Standard Offer Service Base Charge	\$0.08068	\$0.08068
(22) SOS Adjustment Factor	(\$0.00041)	(\$0.00041)
(23) SOS Administrative Cost Adjustment Factor	\$0.00159	\$0.00159
(24) Renewable Energy Standard Charge	\$0.00004	\$0.00004
Line Item on Bill		
(25) Customer Charge	\$10.00	\$10.00
(26) LIHEAP Enhancement Charge	\$0.81	\$0.81
(27) RE Growth Program	\$1.26	\$2.36
(28) Transmission Charge	\$0.02726	\$0.02726
(29) Distribution Energy Charge	\$0.03952	\$0.03952
(30) Transition Charge	(\$0.00087)	(\$0.00087)
(31) Energy Efficiency Programs	\$0.01002	\$0.01002
(32) Renewable Energy Distribution Charge	\$0.00630	\$0.00630
(33) Supply Services Energy Charge	\$0.08190	\$0.08190

Column (o): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 4/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 4/1/2018
 Column (p): Lines (1), (2), (4) through (24) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2095 effective 4/1/2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2096, effective 4/1/2018
 Line (3): Proposed RE Growth Factor per Schedule ASC-1, Page 1, Line (3)

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

KW	Monthly Power Hours Use	kWh	Present Rates				Proposed Rates Effective October 1, 2018				\$ Increase (Decrease)				Increase (Decrease) % of Total Bill			
			Delivery Services (b)	Supply Services (c)	GET (d)	Total (e)	Delivery Services (b)	Supply Services (c)	GET (d)	Total (e)	Delivery Services (f)	Supply Services (g)	GET (h)	Total (i)	Delivery Services (j)	Supply Services (k)	GET (l)	Total (m)
20	200	4,000	\$427.20	\$327.60	\$31.45	\$786.25	\$436.73	\$327.60	\$31.85	\$796.18	\$9.53	\$0.00	\$0.40	\$9.93	1.2%	0.0%	0.1%	1.3%
50	200	10,000	\$931.26	\$819.00	\$72.93	\$1,823.19	\$940.79	\$819.00	\$73.32	\$1,833.11	\$9.53	\$0.00	\$0.39	\$9.92	0.5%	0.0%	0.0%	0.5%
100	200	20,000	\$1,771.36	\$1,638.00	\$142.06	\$3,551.42	\$1,780.89	\$1,638.00	\$142.45	\$3,561.34	\$9.53	\$0.00	\$0.39	\$9.92	0.3%	0.0%	0.0%	0.3%
150	200	30,000	\$2,611.46	\$2,457.00	\$211.19	\$5,279.65	\$2,620.99	\$2,457.00	\$211.58	\$5,289.57	\$9.53	\$0.00	\$0.39	\$9.92	0.2%	0.0%	0.0%	0.2%
20	300	6,000	\$495.02	\$491.40	\$41.10	\$1,027.52	\$504.55	\$491.40	\$41.50	\$1,037.45	\$9.53	\$0.00	\$0.40	\$9.93	0.9%	0.0%	0.0%	1.0%
50	300	15,000	\$1,000.81	\$1,228.50	\$97.05	\$2,426.36	\$1,110.34	\$1,228.50	\$97.45	\$2,436.29	\$9.53	\$0.00	\$0.40	\$9.93	0.4%	0.0%	0.0%	0.4%
100	300	30,000	\$2,110.46	\$2,457.00	\$190.31	\$4,757.77	\$2,119.99	\$2,457.00	\$190.71	\$4,767.70	\$9.53	\$0.00	\$0.40	\$9.93	0.2%	0.0%	0.0%	0.2%
150	300	45,000	\$3,120.11	\$3,685.50	\$283.57	\$7,089.18	\$3,129.64	\$3,685.50	\$283.96	\$7,099.10	\$9.53	\$0.00	\$0.39	\$9.92	0.1%	0.0%	0.0%	0.1%
20	400	8,000	\$562.84	\$655.20	\$50.75	\$1,268.79	\$572.37	\$655.20	\$51.15	\$1,278.72	\$9.53	\$0.00	\$0.40	\$9.93	0.8%	0.0%	0.0%	0.8%
50	400	20,000	\$1,270.36	\$1,638.00	\$121.18	\$3,029.54	\$1,279.89	\$1,638.00	\$121.58	\$3,039.47	\$9.53	\$0.00	\$0.40	\$9.93	0.3%	0.0%	0.0%	0.3%
100	400	40,000	\$2,449.56	\$3,276.00	\$238.57	\$5,964.13	\$2,459.09	\$3,276.00	\$238.96	\$5,974.05	\$9.53	\$0.00	\$0.39	\$9.92	0.2%	0.0%	0.0%	0.2%
150	400	60,000	\$3,628.76	\$4,914.00	\$355.95	\$8,898.71	\$3,638.29	\$4,914.00	\$356.35	\$8,908.64	\$9.53	\$0.00	\$0.40	\$9.93	0.1%	0.0%	0.0%	0.1%
20	500	10,000	\$630.66	\$819.00	\$60.40	\$1,510.06	\$640.19	\$819.00	\$60.80	\$1,519.99	\$9.53	\$0.00	\$0.40	\$9.93	0.6%	0.0%	0.0%	0.7%
50	500	25,000	\$1,439.91	\$2,047.50	\$145.31	\$3,632.72	\$1,449.44	\$2,047.50	\$145.71	\$3,642.65	\$9.53	\$0.00	\$0.40	\$9.93	0.3%	0.0%	0.0%	0.3%
100	500	50,000	\$2,788.66	\$4,095.00	\$286.82	\$7,170.48	\$2,798.19	\$4,095.00	\$287.22	\$7,180.41	\$9.53	\$0.00	\$0.40	\$9.93	0.1%	0.0%	0.0%	0.1%
150	500	75,000	\$4,137.41	\$6,142.50	\$428.33	\$10,708.24	\$4,146.94	\$6,142.50	\$428.73	\$10,718.17	\$9.53	\$0.00	\$0.40	\$9.93	0.1%	0.0%	0.0%	0.1%
20	600	12,000	\$698.48	\$982.80	\$70.05	\$1,751.33	\$708.01	\$982.80	\$70.45	\$1,761.26	\$9.53	\$0.00	\$0.40	\$9.93	0.5%	0.0%	0.0%	0.6%
50	600	30,000	\$1,609.46	\$2,457.00	\$169.44	\$4,235.90	\$1,618.99	\$2,457.00	\$169.83	\$4,245.82	\$9.53	\$0.00	\$0.39	\$9.92	0.2%	0.0%	0.0%	0.2%
100	600	60,000	\$3,127.76	\$4,914.00	\$355.07	\$8,376.83	\$3,137.29	\$4,914.00	\$355.47	\$8,386.76	\$9.53	\$0.00	\$0.40	\$9.93	0.1%	0.0%	0.0%	0.1%
150	600	90,000	\$4,646.06	\$7,371.00	\$500.71	\$12,517.77	\$4,655.59	\$7,371.00	\$501.11	\$12,527.70	\$9.53	\$0.00	\$0.40	\$9.93	0.1%	0.0%	0.0%	0.1%

Line Item on Bill

Present Rates (L)

(1) Distribution Customer Charge	\$135.00	\$135.00
(2) LIHEAP Enhancement Charge	\$0.81	\$0.81
(3) Renewable Energy Growth Program Charge	\$11.85	\$21.38
(4) Base Distribution Demand Charge (per kW > 10kW)	\$4.85	\$4.85
(5) Distribution Charge (per kWh)	\$0.00468	\$0.00468
(6) Operating & Maintenance Expense Charge	\$0.00128	\$0.00128
(7) Operating & Maintenance Expense Reconciliation Factor	(\$0.00001)	(\$0.00001)
(8) FY18 CapEx Factor Demand Charge (per kW > 10kW)	\$0.80	\$0.80
(9) CapEx Reconciliation Factor	(\$0.00098)	(\$0.00098)
(10) Revenue Decoupling Adjustment Factor	\$0.00118	\$0.00118
(11) Pension Adjustment Factor	(\$0.00085)	(\$0.00085)
(12) Storm Fund Replenishment Factor	\$0.00288	\$0.00288
(13) Arrange Management Adjustment Factor	\$0.00000	\$0.00000
(14) Long-term Contracting for Renewable Energy Charge	\$0.00057	\$0.00057
(15) Net Metering Charge	\$0.00043	\$0.00043
(16) Transmission Demand Charge	\$4.37	\$4.37
(17) Base Transmission Charge	\$0.01231	\$0.01231
(18) Transmission Adjustment Factor	(\$0.00236)	(\$0.00236)
(19) Transmission Uncollectible Factor	\$0.00033	\$0.00033
(20) Base Transition Charge	(\$0.00083)	(\$0.00083)
(21) Transition Adjustment	(\$0.00004)	(\$0.00004)
(22) Energy Efficiency Program Charge	\$0.01002	\$0.01002
(23) Standard Offer Service Base Charge	\$0.08068	\$0.08068
(24) SOS Adjustment Factor	(\$0.00041)	(\$0.00041)
(25) SOS Administrative Cost Adjustment Factor	\$0.00159	\$0.00159
(26) Renewable Energy Standard Charge	\$0.00004	\$0.00004

Proposed Rates Effective October 1, 2018 (M)

Customer Charge	\$135.00	\$135.00
LIHEAP Enhancement Charge	\$0.81	\$0.81
RE Growth Program	\$21.38	\$21.38
Distribution Demand Charge	\$4.85	\$4.85
Distribution Energy Charge	\$0.00468	\$0.00468
Renewable Energy Distribution Charge	\$0.00057	\$0.00057
Transmission Demand Charge	\$4.37	\$4.37
Transmission Adjustment	(\$0.00236)	(\$0.00236)
Transition Charge	(\$0.00083)	(\$0.00083)
Energy Efficiency Programs	\$0.01002	\$0.01002
Supply Services Energy Charge	\$0.00004	\$0.00004

Line Item on Bill

(27) Customer Charge	\$135.00	\$135.00
(28) LIHEAP Enhancement Charge	\$0.81	\$0.81
(29) RE Growth Program	\$11.85	\$21.38
(30) Transmission Adjustment	\$0.01028	\$0.01028
(31) Distribution Energy Charge	\$5.65	\$5.65
(32) Distribution Demand Charge	\$4.37	\$4.37
(33) Transmission Demand Charge	(\$0.00087)	(\$0.00087)
(34) Energy Efficiency Programs	\$0.01002	\$0.01002
(35) Renewable Energy Distribution Charge	\$0.00630	\$0.00630
(36) Supply Services Energy Charge	\$0.08190	\$0.08190

Column (o): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2016, effective 4/1/2018

Column (p): Lines (1), (2), (4) through (26) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2018, and Summary of Rates Standard Offer Service tariff, R.I.P.U.C. No. 2016, effective 4/1/2018

Line (3): Proposed RE Growth Factor per Schedule ASC-1, Page 1, Line (3)

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

kW	Monthly Power Hours Use	Present Rates				Proposed Rates Effective October 1, 2018				\$ Increase (Decrease)				Increase (Decrease) % of Total Bill			
		Delivery Services (b)	Supply Services (c)	GET (d)	Total (e)	Delivery Services (b)	Supply Services (c)	GET (d)	Total (e)	Delivery Services (f)	Supply Services (g)	GET (h)	Total (i)	Delivery Services (j)	Supply Services (k)	GET (l)	Total (m)
200	200	\$3,265.47	\$2,411.20	\$236.63	\$5,913.30	\$3,337.29	\$2,411.20	\$239.52	\$5,988.01	\$71.82	\$0.00	\$2.99	\$74.81	1.2%	0.0%	0.0%	0.1%
750	200	\$12,249.17	\$9,042.00	\$887.13	\$22,178.30	\$12,320.99	\$9,042.00	\$890.12	\$22,253.11	\$71.82	\$0.00	\$2.99	\$74.81	0.3%	0.0%	0.0%	0.3%
1,000	200	\$16,332.67	\$12,056.00	\$1,182.86	\$29,571.53	\$16,404.49	\$12,056.00	\$1,185.85	\$29,646.34	\$71.82	\$0.00	\$2.99	\$74.81	0.2%	0.0%	0.0%	0.3%
1,500	200	\$24,499.67	\$18,084.00	\$1,774.32	\$44,357.99	\$24,571.49	\$18,084.00	\$1,777.31	\$44,432.80	\$71.82	\$0.00	\$2.99	\$74.81	0.2%	0.0%	0.0%	0.2%
2,500	200	\$40,833.67	\$30,140.00	\$2,987.24	\$73,953.91	\$40,905.49	\$30,140.00	\$2,990.23	\$74,005.72	\$71.82	\$0.00	\$2.99	\$74.81	0.1%	0.0%	0.0%	0.1%
200	300	\$3,972.87	\$3,616.80	\$316.24	\$7,905.91	\$4,044.69	\$3,616.80	\$319.23	\$7,980.72	\$71.82	\$0.00	\$2.99	\$74.81	0.9%	0.0%	0.0%	0.9%
750	300	\$14,901.92	\$13,563.00	\$1,186.04	\$29,650.96	\$14,973.74	\$13,563.00	\$1,189.03	\$29,725.77	\$71.82	\$0.00	\$2.99	\$74.81	0.2%	0.0%	0.0%	0.3%
1,000	300	\$19,869.67	\$18,084.00	\$1,581.40	\$39,535.07	\$19,941.49	\$18,084.00	\$1,584.40	\$39,609.89	\$71.82	\$0.00	\$3.00	\$74.82	0.2%	0.0%	0.0%	0.2%
1,500	300	\$29,805.17	\$27,126.00	\$2,372.13	\$59,303.30	\$29,876.99	\$27,126.00	\$2,375.12	\$59,378.11	\$71.82	\$0.00	\$2.99	\$74.81	0.1%	0.0%	0.0%	0.1%
2,500	300	\$49,676.17	\$45,210.00	\$3,953.59	\$98,839.76	\$49,747.99	\$45,210.00	\$3,956.58	\$98,914.57	\$71.82	\$0.00	\$2.99	\$74.81	0.1%	0.0%	0.0%	0.1%
200	400	\$4,680.27	\$4,822.40	\$395.94	\$9,898.61	\$4,752.09	\$4,822.40	\$398.94	\$9,973.43	\$71.82	\$0.00	\$3.00	\$74.82	0.7%	0.0%	0.0%	0.8%
750	400	\$17,554.67	\$18,084.00	\$1,484.94	\$37,123.61	\$17,626.49	\$18,084.00	\$1,487.94	\$37,198.43	\$71.82	\$0.00	\$3.00	\$74.82	0.2%	0.0%	0.0%	0.2%
1,000	400	\$23,406.67	\$24,112.00	\$1,979.94	\$49,498.61	\$23,478.49	\$24,112.00	\$1,982.94	\$49,573.43	\$71.82	\$0.00	\$3.00	\$74.82	0.1%	0.0%	0.0%	0.2%
1,500	400	\$35,110.67	\$36,168.00	\$2,969.94	\$74,248.61	\$35,182.49	\$36,168.00	\$2,972.94	\$74,323.43	\$71.82	\$0.00	\$3.00	\$74.82	0.1%	0.0%	0.0%	0.1%
2,500	400	\$58,518.67	\$60,280.00	\$4,949.94	\$123,748.61	\$58,590.49	\$60,280.00	\$4,952.94	\$123,823.43	\$71.82	\$0.00	\$3.00	\$74.82	0.1%	0.0%	0.0%	0.1%
200	500	\$5,387.67	\$6,028.00	\$475.65	\$11,891.32	\$5,459.49	\$6,028.00	\$478.65	\$11,966.14	\$71.82	\$0.00	\$3.00	\$74.82	0.6%	0.0%	0.0%	0.6%
750	500	\$20,207.42	\$22,605.00	\$1,783.85	\$44,596.27	\$20,279.24	\$22,605.00	\$1,786.84	\$44,671.08	\$71.82	\$0.00	\$2.99	\$74.81	0.2%	0.0%	0.0%	0.2%
1,000	500	\$26,943.67	\$30,140.00	\$2,378.49	\$59,462.16	\$27,015.49	\$30,140.00	\$2,381.48	\$59,536.97	\$71.82	\$0.00	\$2.99	\$74.81	0.1%	0.0%	0.0%	0.1%
1,500	500	\$40,416.17	\$45,210.00	\$3,567.76	\$89,093.93	\$40,487.99	\$45,210.00	\$3,570.75	\$89,268.74	\$71.82	\$0.00	\$2.99	\$74.81	0.1%	0.0%	0.0%	0.1%
2,500	500	\$67,361.17	\$75,350.00	\$5,946.30	\$148,657.47	\$67,432.99	\$75,350.00	\$5,949.29	\$148,732.28	\$71.82	\$0.00	\$2.99	\$74.81	0.1%	0.0%	0.0%	0.1%
200	600	\$6,095.07	\$7,253.60	\$355.36	\$13,884.03	\$6,166.89	\$7,253.60	\$358.35	\$13,958.84	\$71.82	\$0.00	\$2.99	\$74.81	0.5%	0.0%	0.0%	0.5%
750	600	\$22,860.17	\$27,126.00	\$2,082.76	\$52,068.93	\$22,931.99	\$27,126.00	\$2,085.75	\$52,143.74	\$71.82	\$0.00	\$2.99	\$74.81	0.1%	0.0%	0.0%	0.1%
1,000	600	\$30,480.67	\$36,168.00	\$2,777.03	\$69,425.70	\$30,552.49	\$36,168.00	\$2,780.02	\$69,500.51	\$71.82	\$0.00	\$2.99	\$74.81	0.1%	0.0%	0.0%	0.1%
1,500	600	\$45,721.67	\$54,252.00	\$4,165.57	\$104,139.24	\$45,793.49	\$54,252.00	\$4,168.56	\$104,214.05	\$71.82	\$0.00	\$2.99	\$74.81	0.1%	0.0%	0.0%	0.1%
2,500	600	\$76,203.67	\$90,420.00	\$6,942.65	\$173,566.32	\$76,275.49	\$90,420.00	\$6,945.65	\$173,641.14	\$71.82	\$0.00	\$3.00	\$74.82	0.0%	0.0%	0.0%	0.0%

Line Item on Bill

Proposed Rates Effective October 1, 2018

Present Rates

(1) Distribution Customer Charge	\$825.00	\$825.00
(2) LIHEAP Enhancement Charge	\$0.81	\$0.81
(3) Renewable Energy Growth Program Charge	\$86.86	\$158.68
(4) Base Distribution Demand Charge (per kW > 200kW)	\$3.70	\$3.70
(5) Distribution Charge (per kW/h)	\$0.00551	\$0.00551
(6) Operating & Maintenance Expense Charge	\$0.00083	\$0.00083
(7) Operating & Maintenance Expense Reconciliation Factor	(\$0.00001)	(\$0.00001)
(8) FY18 CapEx Factor Demand Charge (per kW > 200kW)	\$0.87	\$0.87
(9) CapEx Reconciliation Factor	(\$0.00050)	(\$0.00050)
(10) Revenue Decoupling Adjustment Factor	\$0.00118	\$0.00118
(11) Pension Adjustment Factor	(\$0.00085)	(\$0.00085)
(12) Storm Fund Replenishment Factor	\$0.00288	\$0.00288
(13) Average Management Adjustment Factor	\$0.00000	\$0.00000
(14) Long-term Contracting for Renewable Energy Charge	\$0.00587	\$0.00587
(15) Net Metering Charge	\$0.00043	\$0.00043
(16) Transmission Demand Charge	\$4.69	\$4.69
(17) Base Transmission Charge	\$0.01159	\$0.01159
(18) Transmission Adjustment Factor	(\$0.00100)	(\$0.00100)
(19) Transmission Uncollectible Factor	\$0.00029	\$0.00029
(20) Base Transition Charge	(\$0.00083)	(\$0.00083)
(21) Transition Adjustment	(\$0.00044)	(\$0.00044)
(22) Energy Efficiency Program Charge	\$0.01002	\$0.01002
(23) Standard Offer Service Base Charge	\$0.06680	\$0.06680
(24) SOS Adjustment Factor	(\$0.00830)	(\$0.00830)
(25) SOS Administrative Cost Adjustment Factor	\$0.00174	\$0.00174
(26) Renewable Energy Standard Charge	\$0.00004	\$0.00004
(27) Customer Charge	\$825.00	\$825.00
(28) LIHEAP Enhancement Charge	\$0.81	\$0.81
(29) RE Growth Program	\$86.86	\$158.68
(30) Transmission Adjustment	\$0.01088	\$0.01088
(31) Distribution Energy Charge	\$0.00904	\$0.00904
(32) Distribution Demand Charge	\$4.57	\$4.57
(33) Transition Charge	\$4.69	\$4.69
(34) Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
(35) Renewable Energy Distribution Charge	\$0.01002	\$0.01002
(36) Supply Services Energy Charge	\$0.06630	\$0.06630
(37) Supply Services Energy Charge	\$0.06028	\$0.06028
Customer Charge	\$825.00	\$825.00
LIHEAP Enhancement Charge	\$0.81	\$0.81
RE Growth Program	\$158.68	\$158.68
Distribution Energy Charge	\$0.00500	\$0.00500
Renewable Energy Distribution Charge	\$0.00587	\$0.00587
Transition Charge	\$0.00044	\$0.00044
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$0.06630
Transmission Adjustment	(\$0.00100)	(\$0.00100)
Transition Charge	\$0.01002	\$0.01002
Energy Efficiency Programs	(\$0.0087)	(\$0.0087)
Supply Services Energy Charge	\$0.06630	\$

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. _____
2018 RE Growth Factor Filing
Schedule NG-5
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The Narragansett Electric Company
Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-62 Rate Customers

Monthly Power KW	Hours Use	KWh	Present Rates			Proposed Rates Effective October 1, 2018			\$ Increase (Decrease)			Increase (Decrease) % of Total Bill		
			Delivery Services (a)	Supply Services (b)	GET (c)	Delivery Services (d)	Supply Services (e)	GET (f)	Delivery Services (g)	Supply Services (h)	GET (i)	Delivery Services (j)	Supply Services (k)	GET (l)
3,000	200	600000	\$63,028.89	\$4,133.20	\$103,330.09	\$64,162.09	\$4,195.06	\$104,357.15	\$1,134.80	\$0.00	\$1,134.80	1.4%	0.0%	0.1%
5,000	200	1000000	\$92,428.89	\$6,362.87	\$159,071.76	\$93,391.76	\$6,424.72	\$160,616.48	\$924.00	\$0.00	\$924.00	0.9%	0.0%	0.0%
7,500	200	1500000	\$120,178.89	\$9,494.95	\$228,748.84	\$121,173.79	\$9,569.90	\$230,743.69	\$994.90	\$0.00	\$994.90	0.6%	0.0%	0.0%
10,000	200	2000000	\$165,928.89	\$12,560.00	\$311,937.04	\$166,988.89	\$12,635.00	\$314,623.89	\$1,055.00	\$0.00	\$1,055.00	0.5%	0.0%	0.0%
20,000	200	4000000	\$312,928.89	\$24,120.00	\$623,085.37	\$314,433.35	\$24,172.22	\$627,605.57	\$515.00	\$0.00	\$515.00	0.3%	0.0%	0.0%
3,000	400	900000	\$73,798.89	\$5,425.00	\$133,386.34	\$75,223.35	\$5,497.31	\$134,720.66	\$1,425.00	\$0.00	\$1,425.00	1.1%	0.0%	0.0%
5,000	300	1500000	\$110,378.89	\$8,366.62	\$209,165.51	\$111,863.35	\$8,428.47	\$210,291.82	\$1,483.56	\$0.00	\$1,483.56	0.7%	0.0%	0.0%
7,500	300	2250000	\$156,103.89	\$12,545.88	\$293,889.77	\$157,588.35	\$12,617.43	\$295,205.78	\$1,481.93	\$0.00	\$1,481.93	0.5%	0.0%	0.0%
10,000	300	3000000	\$201,828.89	\$18,840.00	\$390,633.43	\$203,313.35	\$18,900.00	\$392,213.35	\$1,484.92	\$0.00	\$1,484.92	0.4%	0.0%	0.0%
20,000	300	6000000	\$384,728.89	\$36,680.00	\$751,408.89	\$386,213.35	\$36,730.00	\$752,943.35	\$1,484.46	\$0.00	\$1,484.46	0.2%	0.0%	0.0%
3,000	400	1200000	\$84,568.89	\$7,235.00	\$161,803.89	\$86,053.35	\$7,285.00	\$163,338.89	\$1,484.92	\$0.00	\$1,484.92	0.9%	0.0%	0.0%
5,000	400	2000000	\$128,328.89	\$10,770.00	\$239,073.89	\$129,813.35	\$10,820.00	\$240,633.35	\$1,484.46	\$0.00	\$1,484.46	0.6%	0.0%	0.0%
7,500	400	3000000	\$183,028.89	\$16,160.00	\$359,193.89	\$184,513.35	\$16,210.00	\$360,703.35	\$1,484.46	\$0.00	\$1,484.46	0.4%	0.0%	0.0%
10,000	400	4000000	\$237,728.89	\$21,120.00	\$478,848.89	\$239,213.35	\$21,170.00	\$480,358.89	\$1,484.46	\$0.00	\$1,484.46	0.3%	0.0%	0.0%
20,000	400	8000000	\$465,428.89	\$42,240.00	\$941,088.89	\$466,913.35	\$42,290.00	\$943,603.35	\$1,484.46	\$0.00	\$1,484.46	0.2%	0.0%	0.0%
3,000	500	1500000	\$95,328.89	\$9,420.00	\$194,748.89	\$96,813.35	\$9,470.00	\$196,218.89	\$1,484.46	\$0.00	\$1,484.46	0.8%	0.0%	0.0%
5,000	500	2500000	\$146,278.89	\$14,000.00	\$290,278.89	\$147,763.35	\$14,050.00	\$291,813.35	\$1,484.46	\$0.00	\$1,484.46	0.5%	0.0%	0.0%
7,500	500	3750000	\$209,928.89	\$20,000.00	\$429,928.89	\$211,413.35	\$20,050.00	\$431,463.35	\$1,484.46	\$0.00	\$1,484.46	0.3%	0.0%	0.0%
10,000	500	5000000	\$273,628.89	\$30,000.00	\$573,628.89	\$275,113.35	\$30,050.00	\$575,163.35	\$1,484.46	\$0.00	\$1,484.46	0.2%	0.0%	0.0%
20,000	500	10000000	\$547,228.89	\$60,000.00	\$1,107,228.89	\$548,713.35	\$60,050.00	\$1,109,763.35	\$1,484.46	\$0.00	\$1,484.46	0.1%	0.0%	0.0%
3,000	600	1800000	\$165,108.89	\$16,840.00	\$331,948.89	\$166,593.35	\$16,890.00	\$333,438.89	\$1,484.46	\$0.00	\$1,484.46	0.7%	0.0%	0.0%
5,000	600	3000000	\$247,628.89	\$24,840.00	\$492,468.89	\$249,113.35	\$24,890.00	\$493,958.89	\$1,484.46	\$0.00	\$1,484.46	0.4%	0.0%	0.0%
7,500	600	4500000	\$366,178.89	\$36,840.00	\$723,018.89	\$367,663.35	\$36,890.00	\$724,508.89	\$1,484.46	\$0.00	\$1,484.46	0.3%	0.0%	0.0%
10,000	600	6000000	\$484,678.89	\$48,840.00	\$953,518.89	\$486,163.35	\$48,890.00	\$955,008.89	\$1,484.46	\$0.00	\$1,484.46	0.2%	0.0%	0.0%
20,000	600	12000000	\$969,328.89	\$97,680.00	\$1,911,008.89	\$970,813.35	\$97,730.00	\$1,913,493.35	\$1,484.46	\$0.00	\$1,484.46	0.1%	0.0%	0.0%

Line Item on Bill	Present Rates		Proposed Rates Effective October 1, 2018		Line Item on Bill	Increase (Decrease)		Increase (Decrease) % of Total Bill
	(a)	(b)	(c)	(d)		(e)	(f)	
(1) Distribution Customer Charge	\$17,000.00	\$17,000.00	\$17,000.00	\$17,000.00	Customer Charge	\$17,000.00	\$0.00	0.0%
(2) LIHEAP Enhancement Charge	\$0.81	\$0.81	\$0.81	\$0.81	LIHEAP Enhancement Charge	\$0.81	\$0.00	0.0%
(3) Renewable Energy Growth Program Charge	\$1,928.08	\$1,928.08	\$1,928.08	\$1,928.08	RE Growth Program	\$1,928.08	\$0.00	0.0%
(4) Base Distribution Demand Charge per KW	\$2.99	\$2.99	\$2.99	\$2.99	Distribution Demand Charge	\$2.99	\$0.00	0.0%
(5) Distribution Charge (per kWh)	\$0.0000	\$0.0000	\$0.0000	\$0.0000		\$0.0000	\$0.0000	0.0%
(6) Operating & Maintenance Expense Charge per KW	\$0.41	\$0.41	\$0.41	\$0.41		\$0.41	\$0.00	0.0%
(7) Operating & Maintenance Expense Reconciliation Factor	(\$0.00001)	(\$0.00001)	(\$0.00001)	(\$0.00001)		(\$0.00001)	\$0.00	0.0%
(8) FY18 CapEx Factor Demand Charge per KW	\$0.72	\$0.72	\$0.72	\$0.72		\$0.72	\$0.00	0.0%
(9) CapEx Reconciliation Factor	(\$0.00038)	(\$0.00038)	(\$0.00038)	(\$0.00038)	Distribution Energy Charge	(\$0.00038)	\$0.00	0.0%
(10) Revenue Decoupling Adjustment Factor	\$0.00118	\$0.00118	\$0.00118	\$0.00118		\$0.00118	\$0.00	0.0%
(11) Pension Adjustment Factor	(\$0.00085)	(\$0.00085)	(\$0.00085)	(\$0.00085)		(\$0.00085)	\$0.00	0.0%
(12) Storm Fund Replenishment Factor	\$0.00388	\$0.00388	\$0.00388	\$0.00388		\$0.00388	\$0.00	0.0%
(13) Average Management Adjustment Factor	\$0.00000	\$0.00000	\$0.00000	\$0.00000		\$0.00000	\$0.00	0.0%
(14) Long-term Contracting for Renewable Energy Charge	\$0.00587	\$0.00587	\$0.00587	\$0.00587	Renewable Energy Distribution Charge	\$0.00587	\$0.00	0.0%
(15) Net Metering Charge	\$3.40	\$3.40	\$3.40	\$3.40		\$3.40	\$0.00	0.0%
(16) Transmission Demand Charge	\$0.01489	\$0.01489	\$0.01489	\$0.01489		\$0.01489	\$0.00	0.0%
(17) Base Transmission Charge	\$0.00242	\$0.00242	\$0.00242	\$0.00242	Transmission Adjustment	\$0.00242	\$0.00	0.0%
(18) Transmission Adjustment Factor	\$0.00032	\$0.00032	\$0.00032	\$0.00032		\$0.00032	\$0.00	0.0%
(19) Transmission Uncollectible Factor	(\$0.00083)	(\$0.00083)	(\$0.00083)	(\$0.00083)		(\$0.00083)	\$0.00	0.0%
(20) Base Transmission Charge	\$0.01002	\$0.01002	\$0.01002	\$0.01002	Transition Charge	\$0.01002	\$0.00	0.0%
(21) Transition Adjustment	(\$0.00004)	(\$0.00004)	(\$0.00004)	(\$0.00004)	Energy Efficiency Programs	(\$0.00004)	\$0.00	0.0%
(22) Energy Efficiency Program Charge	\$0.06680	\$0.06680	\$0.06680	\$0.06680		\$0.06680	\$0.00	0.0%
(23) Standard Offer Service Base Charge	\$0.06680	\$0.06680	\$0.06680	\$0.06680	Supply Services Energy Charge	\$0.06680	\$0.00	0.0%
(24) SO5 Adjustment Factor	\$0.00174	\$0.00174	\$0.00174	\$0.00174		\$0.00174	\$0.00	0.0%
(25) SO5 Administrative Cost Adjustment Factor	\$0.00004	\$0.00004	\$0.00004	\$0.00004		\$0.00004	\$0.00	0.0%
(26) Renewable Energy Standard Charge	\$17,000.00	\$17,000.00	\$17,000.00	\$17,000.00		\$17,000.00	\$0.00	0.0%
(27) Customer Charge	\$0.81	\$0.81	\$0.81	\$0.81		\$0.81	\$0.00	0.0%
(28) LIHEAP Enhancement Charge	\$3,412.54	\$3,412.54	\$3,412.54	\$3,412.54		\$3,412.54	\$0.00	0.0%
(29) RE Growth Program	\$0.01763	\$0.01763	\$0.01763	\$0.01763		\$0.01763	\$0.00	0.0%
(30) Transmission Adjustment	\$0.00282	\$0.00282	\$0.00282	\$0.00282		\$0.00282	\$0.00	0.0%
(31) Distribution Energy Charge	\$4.12	\$4.12	\$4.12	\$4.12		\$4.12	\$0.00	0.0%
(32) Distribution Demand Charge	\$3.40	\$3.40	\$3.40	\$3.40		\$3.40	\$0.00	0.0%
(33) Transmission Demand Charge	(\$0.00087)	(\$0.00087)	(\$0.00087)	(\$0.00087)		(\$0.00087)	\$0.00	0.0%
(34) Energy Efficiency Programs	\$0.01002	\$0.01002	\$0.01002	\$0.01002		\$0.01002	\$0.00	0.0%
(35) Renewable Energy Distribution Charge	\$0.00630	\$0.00630	\$0.00630	\$0.00630		\$0.00630	\$0.00	0.0%
(36) Supply Services Energy Charge	\$0.06028	\$0.06028	\$0.06028	\$0.06028		\$0.06028	\$0.00	0.0%

Line Item on Bill

(27) Customer Charge

(28) LIHEAP Enhancement Charge

(29) RE Growth Program

(30) Transmission Adjustment

(31) Distribution Energy Charge

(32) Distribution Demand Charge

(33) Transmission Demand Charge

(34) Energy Efficiency Programs

(35) Renewable Energy Distribution Charge

Summary of Rates Effective 4/1/2018

Column (a): per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2005 effective 4/1/2018, and Summary of Rates-Standard Offer Service tariff, R.I.P.U.C. No. 2006, effective 4/1/2018

Column (b): Lines (1), (2), (4) through (26) per Summary of Retail Delivery Service Rates, R.I.P.U.C. No. 2005 effective 4/1/2018, and Summary of Rates-Standard Offer Service tariff, R.I.P.U.C. No. 2006, effective 4/1/2018

Line (3): Proposed RE Growth Factor per Schedule ASC-1, Page 1, Line (3)