

February 15, 2016

**VIA HAND DELIVERY & ELECTRONIC MAIL**

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

**RE: 2016 Retail Rates Filing  
Docket No. 4599**

Dear Ms. Massaro:

Enclosed please find ten (10) copies of the February 2016 Retail Rate Filing of National Grid.<sup>1</sup> This filing consists of rate adjustments arising out of the reconciliation of the Company's Standard Offer Service (SOS), SOS administrative costs, the non-bypassable transition charge, transmission service, the transmission-related uncollectible expense, the Net Metering Charge, and the Long-Term Contracting for Renewable Energy Recovery Factor (LTC Recovery Factor). The reconciliation period for the various costs in this filing is January 2015 through December 2015. The proposed rate adjustments are effective for usage on and after April 1, 2016. The Company's filing contains the direct testimonies and schedules of Adam S. Crary and Tiffany M. Forsyth in support of the proposed rate changes.

In summary, the filing proposes approval of the following charges and adjustment factors:

- (1) Standard Offer Service Adjustment Factors for each SOS class of service designed to credit a net over-recovery of SOS expense for the period ending December 31, 2015;
- (2) Standard Offer Service Administrative Cost Factors for each SOS class of service designed to collect the projected SOS administrative expense for the period April 1, 2016 through March 31, 2017, and to recover the net under-recovery of SOS administrative expense for the twelve month period ending December 31, 2015;

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

- (3) An adjustment to the SOS base reconciliation balance to reflect the net unbilled SOS Billing Adjustment beginning July 1, 2015 in accordance with the PUC's decision in RIPUC Docket No. 4556, which the Company is proposing to credit to all retail delivery service customers through the Company's Revenue Decoupling Mechanism in a future filing;
- (4) A base Non-bypassable Transition Charge of 0.011¢ per kWh based upon New England Power Company's annual Contract Termination Charge (CTC) for 2016 to The Narragansett Electric Company, the former Blackstone Valley Electric Company and the former Newport Electric Corporation;
- (5) A Transition Charge Adjustment Factor of (0.069¢) resulting from an over-recovery of CTC expense during the period January 1, 2015 through December 31, 2015;
- (6) Base Transmission Service Charges reflecting an estimate of 2016 transmission expense to be billed to the Company;
- (7) Transmission Service Cost Adjustment Factors designed to 1) recover the net under-recovery of transmission expense during the twelve-month period ending December 31, 2015 and 2) collect the projected transmission-related uncollectible expense allowance for the period April 1, 2016 through March 31, 2017, and the under-collection of transmission-related uncollectible expense incurred during the twelve-month reconciliation period ending December 31, 2015;
- (8) A Net Metering Charge of 0.007¢ per kWh which typically recovers any Renewable Net Metering Credits paid to eligible net metering customers and the payments made to renewable Qualifying Facilities that are in excess of payments received by the Company from ISO-NE from the sale of the kWh generated by the Qualifying Facilities for the twelve-month period ending December 31, 2015; and
- (9) A Long-Term Contracting for Renewable Energy Recovery Factor of 0.234¢ per kWh consisting of proposed LTC Reconciliation Factor of 0.116¢ per kWh, designed to collect the under-recovery of expense during the period twelve-month period ending December 31, 2015, plus the LTC Recovery Factor of 0.118¢ per kWh currently in effect for the period January 1, 2016 through June 30, 2016.

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2016 Retail Rates Filing  
February 15, 2016  
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The net effect of the rate changes presented by this filing on the total monthly bill of a typical residential SOS customer using 500 kWh per month is an increase of \$1.56 from \$92.35 to \$93.91, or approximately 1.7%.

Thank you for your attention to this transmittal. If you have any questions, please contact me at 401-784-7288

Very truly yours,

A handwritten signature in dark ink, appearing to read "Jennifer Brooks Hutchinson", with a long horizontal flourish extending to the right.

Jennifer Brooks Hutchinson

Enclosures

cc: Steve Scialabba, Division  
Leo Wold, Esq.

Certificate of Service

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

The bound versions of this filing were hand delivered to the Rhode Island Public Utilities Commission and to the Rhode Island Division of Public Utilities and Carriers on February 15, 2016.



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

February 16, 2016  
Date

**National Grid – 2016 Annual Retail Rate Filing - Docket No. 4599**  
**Service List Updated 2/16/16**

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National Grid

2016 ELECTRIC RETAIL RATE  
FILING

Consisting of the  
Direct Testimony and Schedules of  
Adam S. Crary and  
Tiffany M. Forsyth

February 2016

Submitted to:  
Rhode Island Public Utilities Commission  
R.I.P.U.C. Docket No. 4599

Submitted by:

**nationalgrid**

**Testimony of  
Adam S. Crary**

**THE NARRAGANSETT ELECTRIC COMPANY  
D/B/A NATIONAL GRID  
RIPUC DOCKET NO. \_\_\_\_  
2016 ELECTRIC RETAIL RATE FILING  
WITNESS: ADAM S. CRARY**

**PRE-FILED DIRECT TESTIMONY**

**OF**

**ADAM S. CRARY**

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**I. Introduction and Qualifications**

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

A. My name is Adam S. Crary, and my business address is 40 Sylvan Road, Waltham, Massachusetts 02451.

**Q. Please state your position.**

A. I am a Senior Analyst for Electric Pricing, New England in the Regulation and Pricing Department of National Grid USA Service Company, Inc. This department provides rate-related support to The Narragansett Electric Company d/b/a National Grid (National Grid or Company).

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

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

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

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

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

3   **A.**    Yes. I previously testified in the RE Growth Program, Docket No. 4589A and in the FY  
4       15 Electric Infrastructure, Safety and Reliability Plan Reconciliation, RIPUC Docket No.  
5       4473. I have also submitted Pre-Filed Direct Testimony in the FY 2015 Electric Revenue  
6       Decoupling Mechanism Reconciliation Filing, RIPUC Docket No. 4566 and the FY17  
7       Electric Infrastructure, Safety and Reliability Plan, RIPUC Docket No. 4592.

8  
9   **II.   Purpose of Testimony**

10   **Q.    What is the purpose of the Company's filing?**

11   **A.**    The Company is requesting PUC approval of the following:

12           (1) Standard Offer Service (SOS) Adjustment Factors for each SOS class of  
13           service designed to refund a net over-recovery of SOS expense for the twelve-  
14           month period ending December 31, 2015;

15           (2) Standard Offer Service Administrative Cost Factors for each SOS class of  
16           service designed to collect the projected SOS administrative expense for the  
17           period April 1, 2016 through March 31, 2017 and to recover the net under-  
18           recovery of SOS administrative expense for the twelve-month period ending  
19           December 31, 2015;

20           (3) an adjustment to the SOS base reconciliation, and a corresponding adjustment  
21           to the Revenue Decoupling Mechanism, to reflect the PUC's decision in

1           RIPUC Docket No. 4556 that as of July 1, 2015, the unbilled SOS Billing  
2           Adjustment is to be recovered from or credited to all delivery customers;  
3           (4) a base Non-Bypassable Transition Charge (Transition Charge) that is proposed  
4           as a charge of 0.011¢ per kWh based upon New England Power Company's  
5           (NEP) annual Contract Termination Charge for 2016 to Narragansett Electric  
6           Company, the former Blackstone Valley Electric Company (BVE), and the  
7           former Newport Electric Corporation (Newport);  
8           (5) a Transition Charge Adjustment Factor that is proposed as a credit of (0.069)¢  
9           per kWh resulting from an over-recovery of Contract Termination Charge  
10          expense during the twelve-month period ending December 31, 2015;  
11          (6) base Transmission Service Charges based upon an estimate of 2016  
12          transmission expense to be billed to the Company;  
13          (7) Transmission Service Cost Adjustment Factors (TSCAF) designed to (1)  
14          recover the net under-recovery of transmission expense incurred during the  
15          twelve-month period ending December 31, 2015; and (2) collect the projected  
16          transmission-related uncollectible expense allowance for the period April 1,  
17          2016 through March 31, 2017 and the under-recovery of transmission-related  
18          uncollectible expense incurred during the twelve-month reconciliation period  
19          ending December 31, 2015;  
20          (8) a Net Metering Charge of 0.007¢ per kWh which recovers any Renewable  
21          Net Metering Credits paid to eligible net metering customers and the

1 payments made to renewable Qualifying Facilities that are in excess of  
2 payments that the Company receives from ISO New England (ISO-NE) from  
3 the sale of the kilowatt hours generated by the Qualifying Facilities for the  
4 twelve-month period ending December 31, 2015; and

5 (9) a Long-Term Contracting for Renewable Energy Recovery Factor (LTC  
6 Recovery Factor) of 0.234¢ per kWh consisting of the proposed LTC  
7 Reconciliation Factor of 0.116¢ per kWh, designed to collect the under-  
8 recovery of expense during the twelve-month period ending December 31,  
9 2015, plus the LTC Recovery Factor of 0.118¢ per kWh currently in effect for  
10 the period January 1, 2016 through June 30, 2016.

11 In support of the above requests, the Company is presenting its annual reconciliations for  
12 SOS, SOS administrative costs, the non-bypassable transition charge, the transmission  
13 service charge, the transmission-related uncollectible expense, the Net Metering charge,  
14 and the LTC Recovery Factor. The reconciliation period for the various costs in this  
15 filing is January 1, 2015 through December 31, 2015.  
16

17 The net effect of all rate changes proposed in this filing for a typical residential SOS  
18 customer using 500 kWh per month is an increase of \$1.56 from \$92.35 to \$93.91 or  
19 approximately 1.7%. Schedule ASC-1 presents a summary of the proposed rate changes.  
20 The Company is proposing that the rate and tariff changes identified above be effective  
21 for usage on and after April 1, 2016.

1   **Q.    Is the Company requesting approval from the PUC for the Renewable Energy**  
2       **Standard (RES) Charge in this filing?**

3    A.    No. The Company will file its proposed 2016 RES Charge and reconciliation in a  
4       separate submission prior to March 1, 2016.

6    **III.   SOS Adjustment Factors and Reconciliation**

7       SOS Adjustment Factors

8    **Q.    Is the Company proposing SOS Adjustment Factors for April 1, 2016?**

9    A.    Yes, the Company is proposing separate SOS Adjustment Factors for the Residential,  
10       Commercial, and Industrial Customer Groups, designed to credit customers a net over-  
11       recovery of \$10.0 million incurred during the twelve-month period ending December  
12       2015. For billing purposes, the Company will include the SOS Adjustment Factors with  
13       the SOS Charge on customers' bills.

15   **Q.    Please describe the Company's SOS customer classes.**

16   A.    Pursuant to the Company's 2011 SOS Procurement Plan approved by the PUC in Docket  
17       No. 4149, beginning April 1, 2011, the Company established three separate SOS  
18       procurement groups: the Residential Group, the Commercial Group, and the Industrial  
19       Group. The Residential Group consists of customers taking service on Basic Residential  
20       Rate A-16 and Low Income Rate A-60. The Commercial Group consists of customers  
21       receiving service pursuant to Small C&I Rate C-06, General C&I Rate G-02, and outdoor

1 lighting Rates S-05, S-06, S-10, and S-14. Finally, the Industrial Group consists of the  
2 Company's large C&I classes; Large Demand Rate G-32, Optional Large Demand Rate  
3 G-62, Backup Service Rates B-32 and B-62, and Electric Propulsion Rate X-01. The  
4 Company procures and prices SOS separately for each of these procurement groups and  
5 tracks revenue and expenses separately for each group.

6  
7 SOS Reconciliation

8 **Q. Please describe the Company's SOS reconciliation for the period January 2015**  
9 **through December 2015.**

10 A. This reconciliation is included as Schedule ASC-2. Page 1 of Schedule ASC-2 reflects a  
11 total over-recovery of approximately \$10.0 million for the period January 2015 through  
12 December 2015.

13  
14 **Q. Please describe the SOS reconciliation process in more detail.**

15 A. The Company is required to reconcile SOS revenues and expenses in accordance with the  
16 SOS Adjustment Provision, RIPUC No. 2157. This provision requires the Company to  
17 reconcile, on an annual basis, its total cost of purchased power for SOS supply against its  
18 total SOS revenue, and to refund the excess to or collect the deficiency from customers  
19 through a rate recovery/refund methodology approved by the PUC at the time the  
20 Company files its annual reconciliation.

1 Total revenues are generated from charges billed to SOS customers through the SOS  
2 rates for the applicable reconciliation period. Since the Company procures and prices  
3 SOS separately for the Residential Group, Commercial Group, and the Industrial Group,  
4 the Company has performed separate reconciliations for each group. The SOS  
5 reconciliations for each procurement group, plus a reconciliation of all groups combined,  
6 are presented in Schedule ASC-2.  
7

8 **Q. Please describe the adjustment shown in the SOS reconciliation, Schedule ASC-2,**  
9 **Line (3).**

10 A. The adjustment of \$40,282 shown on Page 1, Line (3) of the reconciliation reflects the  
11 remaining balance of the 2013 net under-recovery of SOS expense for the period  
12 January 1, 2013 through December 31, 2013 that was reflected on SOS customer bills  
13 during the period April 1, 2014 through March 31, 2015.  
14

15 **Q. Please describe the adjustment shown in the SOS reconciliation, Schedule ASC-2,**  
16 **Line (4).**

17 A. The adjustment of \$65,900 shown on Page 1, Line (4) of the reconciliation reflects the  
18 net credit in unbilled SOS Billing Adjustment from the period July 1, 2015 through  
19 December 31, 2015. Pages 2 and 3, Line (4) of Schedule ASC-2 and Page 1 of Schedule  
20 ASC-8 provide further detail. This adjustment will be discussed in further detail later in  
21 my testimony.

1   **Q.    Has the Company included a schedule showing the final balance of the 2013 net**  
2       **under-recovery incurred during the period January 2013 through December 2013?**

3    A.    Yes. Section 1, Page 7 of Schedule ASC-2 shows the final status of the net under-  
4       recovery incurred during January 2013 through December 2013. The beginning balance  
5       of \$6,233,050 was approved for recovery in Docket No. 4485. This amount was credited  
6       or recovered through each rate class's SOS Adjustment Factor effective April 1, 2014  
7       through March 31, 2015. As shown on Schedule ASC-2, Page 7, on a net basis, the  
8       Company over-credited SOS customers by \$40,282 through April 1, 2015. This  
9       remaining balance is included as an adjustment to the current base reconciliation on  
10      Schedule ASC-2, Page 1, Line (3).

11  
12   **Q.    Has the Company included a status of the recovery of the 2014 SOS under-recovery**  
13       **incurred during the period January 2014 through December 2014 that the**  
14       **Company is recovering during the twelve months ending March 31, 2016?**

15   A.    Yes. Section 2, Page 7 of Schedule ASC-2 shows the status of the under-recovery  
16       incurred during the January 2014 through December 2014 reconciliation period. The  
17       beginning under-recovery balance of \$5,664,254 was approved in Docket No. 4554. This  
18       amount is being recovered from each rate class through the SOS Adjustment Factors  
19       implemented on April 1, 2015. The Company will continue to apply the currently  
20       effective adjustment factors through March 31, 2016. Any balance remaining at that  
21



time, positive or negative, will be reflected in next year's SOS reconciliation as an adjustment.

Calculation of the SOS Adjustment Factors

**Q. How are the SOS Adjustment Factors developed?**

A. The proposed SOS Adjustment Factors are developed in Schedule ASC-3. The SOS Adjustment Factors are calculated by dividing the ending balance of the SOS reconciliation for each procurement group plus estimated interest during the period during which the factors will be in effect by the forecasted SOS kWh deliveries for each procurement group during the period of April 2016 through March 2017.

**IV. Standard Offer Service Administrative Cost Adjustment Factors**

**Q. Please describe the Standard Offer Service Administrative Cost Adjustment (SOS Administrative Cost Adjustment) Factors.**

A. Pursuant to the Company's Standard Offer Adjustment Provision, the SOS Administrative Cost Adjustment Factors, which are applicable to customers receiving SOS, recover administrative costs associated with arranging, administering, and providing SOS. In accordance with the Standard Offer Adjustment Provision, on an annual basis, the Company reconciles its administrative cost of providing SOS with its SOS revenue associated with the recovery of administrative costs and the excess or deficiency, including interest at the interest rate paid on customer deposits, is refunded to,

1 or recovered from, SOS customers in the subsequent year's SOS Administrative Cost  
2 Adjustment Factor.  
3

4 **Q. What costs are included for recovery in the SOS Administrative Cost Adjustment**  
5 **Factor?**

6 A. Administrative costs that the Company is allowed to recover under this provision include  
7 the cost of working capital, the administrative costs of complying with the requirements  
8 of Renewable Energy Standard established in RIGL Section 39-26-1, the costs of creating  
9 the environmental disclosure label, the costs associated with the New England Power  
10 Pool (NEPOOL's) Generation Information System (GIS) attributable to SOS, the costs  
11 associated with the procurement of SOS including requests for bids, contract negotiation,  
12 and execution and contract administration, the costs associated with notifying SOS  
13 customers of the rates for SOS, the costs associated with updating rate changes in the  
14 Company's billing system, and an allowance for SOS-related uncollectible expense  
15 associated with amounts billed through SOS rates and the SOS Administrative Cost  
16 Adjustment Factors at the uncollectible rate approved by the PUC<sup>1</sup>  
17

18 **Q. Has the Company proposed SOS Administrative Cost Adjustment Factors to be**  
19 **effective April 1, 2016?**

20 A. Yes. The proposed factors are developed in Schedule ASC-4, Page 1.

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<sup>1</sup> As approved in the Company's general rate case Docket No. 4323, the current allowed uncollectible rate of 1.25% became effective February 1, 2013.

1   **Q.    How are the proposed factors calculated?**

2    A.    Pursuant to the Standard Offer Adjustment Provision, the proposed SOS Administrative  
3           Cost Adjustment Factors are designed to collect (1) an allowance for SOS-related  
4           uncollectible expense based upon estimated SOS base revenue, estimated SOS  
5           Adjustment Factor revenue, and estimated RES revenue associated with each  
6           procurement group for the upcoming year, (2) administrative costs associated with  
7           arranging SOS for the upcoming year, and (3) any over- or under-recoveries of SOS  
8           administrative costs from the prior year.

9  
10   **Q.    How does the Company estimate the SOS revenue and associated uncollectible**  
11       **expense for the period April 1, 2016 through March 31, 2017?**

12   A.    Uncollectible expense is based upon estimated SOS base revenue, SOS Adjustment  
13           Factor revenue, and RES revenue for the period April 1, 2016 through March 31, 2017,  
14           calculated as estimated SOS kWh deliveries for the twelve months ending March 31,  
15           2017, for each procurement group multiplied by the sum of the SOS base rates currently  
16           in effect, the current RES rate, and the proposed SOS Adjustment Factors. The estimated  
17           revenue is then multiplied by the uncollectible rate to determine the estimated  
18           commodity-related uncollectible expense. Estimated commodity-related uncollectible  
19           expense is shown on Line (1) of Schedule ASC-4, Page 1. The details of this estimate are  
20           included on Page 2 of Schedule ASC-4.

1    **Q.     How does the Company estimate other SOS administrative expenses?**

2    A.     The SOS administrative expense is categorized into three components: GIS costs, other  
3           administrative costs, and cash working capital. The estimated GIS and other  
4           administrative costs are based upon the actual expense incurred during 2015, which is  
5           allocated to each procurement group based on each procurement group's percentage  
6           share of SOS expense during the twelve-month period ending December 31, 2015. Cash  
7           working capital is allocated to each procurement group based upon each group's actual  
8           SOS revenue as a percentage of total SOS revenue. The total estimated SOS  
9           administrative expense for 2016 is shown on Line (3) of Schedule ASC-4, Page 1.

10  
11       SOS Administrative Cost Reconciliation

12   **Q.     Did the Company prepare a reconciliation of SOS administrative costs for the**  
13       **period ending December 31, 2015?**

14   A.     Yes, the SOS administrative cost reconciliation for the period January 1, 2015 through  
15           December 31, 2015 is presented in Schedule ASC-5. Consistent with the reconciliation  
16           of base SOS costs, the Company has prepared separate reconciliations for the Residential  
17           Group, the Commercial Group, and the Industrial Group. The reconciliations on Page 2  
18           of Schedule ASC-5 show under-recoveries of \$2,571,874 for the Residential Group,  
19           \$803,215 for the Commercial Group, and \$491,994 for the Industrial Group.

1 **Q. Please describe the amounts on Pages 4, 5, and 6, Column (h), labeled Cash**  
2 **Working Capital.**

3 A. The amounts on Schedule ASC-5, Pages 4, 5, and 6, Column (h) labeled Cash Working  
4 Capital, are the commodity-related working capital requirements during 2015. The Cash  
5 Working Capital calculation is presented in Schedule ASC-6.

6  
7 **Q. How is the Company proposing to recover each group's under-recovery of SOS**  
8 **administrative costs?**

9 A. The Company is proposing to recover each group's under-recovery of SOS  
10 administrative costs through SOS group-specific adjustment factors. The proposed  
11 factors are developed on Schedule ASC-7. Each group's factor is developed by dividing  
12 each group's under- or over-recovery, including interest during the recovery period, by  
13 the group's forecasted SOS kWh deliveries. These factors are included in the proposed  
14 SOS Administrative Cost Adjustment Factors as shown in Schedule ASC-4, Page 1, Line  
15 (6).

16  
17 **V. Unbilled Standard Offer Service Billing Adjustment**

18 **Q. Please describe Schedule ASC-8.**

19 A. Schedule ASC-8, Page 1 shows the monthly net unbilled SOS Billing Adjustments by  
20 SOS customer group. The total net unbilled SOS Billing Adjustments for 2015 for both  
21 Residential and Commercial customer groups was a net credit of \$65,900.50. This

1 amount is shown as an adjustment to the Residential and Commercial customer group  
2 SOS base reconciliations in Exhibit ASC-2, pages 2 and 3.  
3

4 **Q. Why is the Company proposing this adjustment to the SOS reconciliation balance?**

5 A. In Docket No. 4556, the PUC approved the termination of the SOS Billing Adjustment  
6 effective July 1, 2015. The SOS Billing Adjustment was a one-time billing adjustment  
7 applied to Residential and Commercial customers' bills when switching to a competitive  
8 energy supplier from SOS and were billed a fixed rate (an option only for Commercial  
9 customers – all Residential customers are on a fixed rate). This adjustment accounted for  
10 the pricing difference between energy deliveries on the multi-month fixed SOS rate and  
11 the monthly contract rates at which the Company procured SOS from its SOS suppliers.  
12 This one-time adjustment could result in either a net credit or charge to the customer.  
13

14 The PUC further directed the Company to track the unbilled SOS Billing Adjustments  
15 beginning July 1, 2015 through the end of the reconciliation period and to recover from  
16 or refund to all retail delivery service customers the net amount of the adjustments.  
17

18 **Q. How is the adjustment applied to the SOS base reconciliation?**

19 A. As required by RIPUC No. 2157, the SOS Adjustment Provision, approved by the PUC  
20 in Docket No. 4556, the Company is to apply a Revenue Adjustment, defined as an  
21 increase to SOS revenue in the SOS reconciliation if the variable rate billing less fixed

1 rate billing is positive (the Company paid more to SOS suppliers than it billed SOS  
2 customers), and a decrease to SOS revenue in the SOS reconciliation if the variable rate  
3 billing less the fixed rate billing is negative (the Company paid less to SOS suppliers than  
4 it billed SOS customers). This adjustment to SOS revenue in the SOS reconciliation  
5 results in the SOS revenue being at a level it would have been had the Company continue  
6 to bill these SOS Billing Adjustments. In this way, SOS customers are not harmed or are  
7 not benefitted from the termination of the SOS Billing Adjustment.

8  
9 The net amount of the unbilled SOS Billing Adjustment is negative, or a credit of  
10 \$65,901, meaning that, in the aggregate, for all of the SOS customers being billed a fixed  
11 rate who left SOS to take their electric supply from a non-regulated power producer, the  
12 Company paid less for their SOS supply than what it billed those customers. Therefore,  
13 the Company is reducing SOS revenue in the Residential and Commercial SOS  
14 reconciliations, thereby reducing the Residential SOS over-recovery by \$7,701 as shown  
15 on Exhibit ASC-2, page 2, and increasing the Commercial SOS under-recovery by  
16 \$58,200 as shown on page 3, each by the amount of the applicable net credit.

17  
18 **Q. How does the Company proposed to credit the net credit of the SOS Billing**  
19 **Adjustment to all customers?**

20 **A.** The Company is proposing to reflect the net credit of the SOS Billing Adjustment as a  
21 credit to the Revenue Decoupling Mechanism reconciliation which will be filed no later

1 than May 15, 2016. The RDM factor is a uniform per kWh factor applicable to all retail  
2 delivery service customers. Therefore, all customers will receive a portion of the net  
3 SOS Billing Adjustment through application of the RDM factor.

4  
5 **VI. Transition Charge**

6 Base Transition Charge

7 **Q. Please describe the Company's Transition Charge.**

8 A. The Transition Charge is intended to recover from all retail delivery service customers  
9 the Contract Termination Charge billed to the Company by NEP, including charges in  
10 effect under the former Montaup Electric Company's Contract Termination Charge. In  
11 addition, the Company reconciles the revenue it bills through the Transition Charge  
12 against the Contract Termination Charge billed to it by NEP and can propose to  
13 implement a Transition Charge adjustment factor to refund an over recovery of Contract  
14 Termination Charge costs or collect an under-recovery of Contract Termination Charge  
15 costs.

16  
17 **Q. What is the Company's proposal in this proceeding?**

18 A. The Company is proposing a Transition Charge credit for the twelve month period ending  
19 March 31, 2017 of (0.058¢) per kWh. The charge represents (1) the weighted average  
20 base Transition Charge factor of 0.011¢ per kWh, and (2) a Transition Charge



1 Adjustment Factor credit of (0.069¢) per kWh designed to refund the over-recovery of  
2 Contract Termination Charge costs for the period January 2015 through December 2015.  
3

4 **Q. How is the weighted average base Transition Charge calculated?**

5 A. Schedule ASC-9, Page 1 shows the calculation of the weighted average base Transition  
6 Charge for 2016. The individual Contract Termination Charges and estimated GWhs for  
7 Narragansett Electric, BVE, and Newport, shown in Section 1 of Page 1, are based upon  
8 NEP's 2016 Contract Termination Charges. The individual company Contract  
9 Termination Charges determined in Section 1 are aggregated in Section 2 and divided by  
10 the total GWh deliveries to arrive at a weighted average base Transition Charge of 0.011¢  
11 per kWh.  
12

13 Transition Charge Reconciliation

14 **Q. Please describe how the Company reconciles its Transition Charge.**

15 A. The Company reconciles Transition Charge revenue and Contract Termination Charge  
16 expense as provided for and in accordance with its Non-Bypassable Transition Charge  
17 Adjustment Provision. The excess or deficiency is to be credited to or recovered from  
18 customers with interest accruing at the rate in effect for customer deposits. The  
19 reconciliation covers the period January 2015 through December 2015, as reflected in  
20 Schedule ASC-10. Page 1 shows the reconciliation for the combined companies.  
21

1   **Q.    What is shown in Column (i) of Page 1, labeled “Adjustments”?**

2    A.    Column (i), Page 1, contains a \$76,299 adjustment recorded in the month of April 2015  
3        representing the final balance of the under-recovery incurred during the period January  
4        2013 through December 2013 that has been recovered from customers, as shown on  
5        Schedule ASC-10, Page 3, and described below.

6  
7   **Q.    What is the total Company Transition Charge reconciliation balance for the twelve**  
8        **months ending December 31, 2015?**

9    A.    The balance for the period January 2015 through December 2015, shown in Schedule  
10        ASC-10, Page 1, reflects an over-recovery of approximately \$5.2 million.

11  
12   **Q.    How is the Company proposing to treat the over-recovery for the period January**  
13        **2015 through December 2015?**

14   A.    As discussed earlier, the Company is proposing to decrease the proposed weighted  
15        average Transition Charge factor of 0.011¢ per kWh, calculated on Schedule ASC-9,  
16        Page 1, by the proposed Transition Charge Adjustment Factor of (0.069¢) per kWh, as  
17        calculated in Schedule ASC-10, Page 4. The Transition Charge over-recovery balance,  
18        including estimated interest during the recovery period, is divided by the forecasted kWh  
19        deliveries for the period April 1, 2016 through March 31, 2017, resulting in a credit of  
20        (0.069¢) per kWh. This credit, when added to the weighted average Transition Charge

1 factor of 0.011¢ per kWh, produces a Transition Charge factor of (0.058¢) per kWh, as  
2 shown on Line (3), Page 2 of Schedule ASC-9.  
3

4 **Q. What does Page 3 of Schedule ASC-10 reflect?**

5 A. Section 1, Page 3 of Schedule ASC-10 presents the final balance associated with the  
6 under-recovery incurred during the period January 2013 through December 2013 that was  
7 recovered from customers during the twelve-month period ending March 31, 2015. Page  
8 3 of Schedule ASC-10 shows that as of March 31, 2015, there was a remaining balance  
9 owed to the Company of \$76,299. This ending balance is included in the base Transition  
10 Charge reconciliation as an adjustment in the month of April 2015, as shown on Page 1  
11 of Schedule ASC-10.  
12

13 Section 2, Page 3 of Schedule ASC-10 also presents the status of the recovery associated  
14 with the over-recovery of Contract Termination Charge expense incurred during the  
15 period January 2014 through December 2014 that is being refunded to customers during  
16 the twelve-month period ending March 31, 2016. Page 3, Section 2, of Schedule ASC-10  
17 shows that as of January 31, 2016, there remains a balance owed to customers of  
18 \$305,384. The Company will continue to refund the over-recovery from customers  
19 through March 31, 2016, at which point, the remaining balance, positive or negative, will  
20 be reflected in next year's Transition Charge base reconciliation as an adjustment in the  
21 month of April 2016.

**VII. Transmission Charges**

**Transmission Charges and Reconciliation**

**Q. Please describe the Company's Transmission Service Cost Adjustment Provision (TSCAP).**

A. The Company recovers its transmission-related expenses pursuant to the TSCAP, RIPUC No. 2115, which allows the Company to recover costs billed to it by ISO-NE, NEP, and any other transmission service provider that is authorized to bill the Company directly for transmission services. In addition, the provision allows for the recovery of an allowance for transmission-related uncollectible expense.

Transmission charges are determined annually based upon a forecast of transmission expense for the upcoming year and a transmission adjustment factor which is designed to recover from or credit to customers under- or over-recoveries of expense from the prior year.

**Q. Has the Company prepared a forecast of transmission costs for 2016?**

A. Yes, it has. It is included in the testimony and schedules of Ms. Tiffany M. Forsyth, who will explain the forecast and how it was derived. The transmission forecast for 2016 is approximately \$178.2 million, an increase of approximately \$21.7 million from the 2015 forecast.

1 **Q. How does the Company propose to recover the \$178.2 million of forecasted**  
2 **transmission expense for 2016?**

3 A. The Company is proposing to recover the \$178.2 million of 2016 estimated expense  
4 through class specific base transmission demand and energy charges.

5  
6 Base Transmission Charges

7 **Q. Please describe the design of the Company's proposed base transmission charges.**

8 A. Schedule ASC-11 shows the design of the proposed base transmission charges. The first  
9 step in designing the base transmission charges is to allocate the forecasted transmission  
10 expense to each rate class. The total estimated 2016 transmission expense is allocated to  
11 each class based on a coincident peak demand<sup>2</sup> allocation factor.

12  
13 **Q. How is the coincident peak allocation factor developed?**

14 A. The allocation factor is developed from rate class weighted average load factors that were  
15 developed from coincident peak data for the years ending 2008 and 2011 as described  
16 below. A similar methodology was used by the Company in its most recent base rate  
17 case in Docket No. 4323 in the development of the non-coincident peak allocators used to  
18 allocate demand-related costs in the allocated cost of service study. As part of that rate  
19 case, the PUC approved this methodology to be used to allocate forecasted transmission  
20 expenses.

21  

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<sup>2</sup> Coincident peak demand is the demand of each rate class at the time of the system peak demand.

1 The coincident peak allocators are shown on Schedule ASC-11, Page 1, Line (2) and are  
2 calculated on Schedule ASC-11, Page 2. Each class's monthly coincident peak data for  
3 the years 2008 and 2011, two years with relatively normal weather, are used to develop  
4 class load factors. These load factors are then multiplied by each class's weather-  
5 normalized forecasted kWh for the period April 1, 2016 through March 31, 2017,  
6 resulting in a coincident peak allocator that reflects more stable, weather-normalized  
7 demand. Schedule ASC-11, Page 2 demonstrates the development of the coincident peak  
8 allocators.

9  
10 **Q. Once the forecasted transmission expense has been allocated to each rate class, how**  
11 **are the individual class charges developed?**

12 A. The proposed base transmission charges are calculated on Schedule ASC-11. For rate  
13 classes with demand (per kW) charges, the proposed demand charges have been designed  
14 to reflect the higher of the current demand charge or an increase based upon the  
15 percentage increase in 2016 transmission expense allocated to the rate class as compared  
16 to that rate class's share of 2015 expense. The amount recovered through the proposed  
17 demand charges is calculated as the proposed demand charge multiplied by the forecast  
18 of a forecast of demand. The difference between the total allocated transmission expense  
19 per rate class and the transmission expenses per rate class to be recovered through the  
20 proposed demand charges results in the transmission expense to be recovered through  
21 kWh charges. The proposed transmission kWh charges are calculated by dividing the

1 total transmission expense to be recovered on a kWh basis by the forecasted kWh for  
2 each rate class.

3  
4 Transmission Service Reconciliation

5 **Q. Please discuss the Company's transmission service reconciliation for the period**  
6 **January 1, 2015 through December 31, 2015.**

7 A. The Company's transmission service reconciliation is shown in Schedule ASC-12. The  
8 reconciliation reflects actual transmission revenue for the period January 2015 through  
9 December 2015, actual transmission expenses for the period January 2015 through  
10 November 2015 and estimated expenses for December 2015.<sup>3</sup> This reconciliation is  
11 provided in accordance with the Company's TSCAP, which allows for the reconciliation,  
12 along with interest on any balance, and the recovery or credit of any under- or over-  
13 recovery, respectively.

14  
15 **Q. Please explain the beginning balance of \$4.1 million.**

16 A. The beginning balance of \$4.1 million is the difference between the estimated December  
17 2014 transmission expenses of \$12,650,361 as estimated in Docket No. 4554, Schedule  
18 JAL-11, and the actual expenses of \$8,518,207.

19  
20 **Q. Please explain the adjustments shown on Schedule ASC-12, Page 1.**

---

<sup>3</sup> The Company has estimated transmission expense for December 2015 as this information is not available at the time of this filing.

1 A. Page 1 of Schedule ASC-12 includes a (\$36,971) adjustment that represents the final  
2 balance of the over-recovery of transmission expense incurred during the period January  
3 2013 through December 2013, which was credited to customers during the twelve months  
4 ending March 31, 2015.

5  
6 **Q. What is the balance of the transmission service reconciliation as of December 2015?**

7 A. Page 1 of Schedule ASC-12 presents the reconciliation of transmission service revenue  
8 and expense through December 2015. This reconciliation shows that the estimated  
9 balance of the transmission reconciliation as of December 2015 is a net under-recovery of  
10 approximately \$6.0 million. Page 2 of Schedule ASC-12 presents the results of the  
11 annual reconciliation for each rate class.

12  
13 **Q. How does the Company propose to recover the balance in the transmission service**  
14 **reconciliation as of December 2015?**

15 A. The Company is proposing to implement class specific adjustment factors to credit to or  
16 recover from customers each class' share of the net under-recovery of \$6.0 million plus  
17 estimated interest to customers during the recovery period. The calculations of the  
18 factors are shown on Schedule ASC-13 and are described in more detail below.

19  
20 **Q. How does the Company plan to reconcile estimated expenses for December 2015 to**  
21 **actual expenses?**



1 A. Actual expenses for December 2015 will be compared to the estimated expenses included  
2 in the 2015 reconciliation. The difference, positive or negative, will be reflected as the  
3 beginning balance of the transmission reconciliation for the period January 2016 through  
4 December 2016, which will be filed with the PUC in early 2017.

5  
6 **Q. What is the status of the balance associated with the transmission service over**  
7 **recovery incurred during the period January 2013 through December 2013?**

8 A. Page 6 of Schedule ASC-12 presents the final balance of the over-recovery incurred  
9 during the period January 2013 through December 2013. Of the \$4.9 million over-  
10 recovery, the Company over-refunded a net of \$36,971. This remaining balance is  
11 reflected in the current transmission service reconciliation as an adjustment to the amount  
12 to be recovered by the Company.

13  
14 **Q. What is the status of the balance associated with the transmission service net under-**  
15 **recovery incurred during the period January 2014 through December 2014?**

16 A. Page 7 of Schedule ASC-12 presents the status of the transmission expense net under-  
17 recovery incurred during the period January 2014 through December 2014 and currently  
18 being recovered during the twelve months ending March 31, 2016. Page 7 of Schedule  
19 ASC-12 shows the \$4.3 million approved to be recovered from customers. As of January  
20 2016, there is a net remaining balance of \$1.48 million to be recovered. The Company  
21 will continue to collect the under-recovery through March 31, 2016. The ending balance,

1 positive or negative, will be included as an adjustment to the transmission service  
2 reconciliation for the period January 2016 through December 2016, which will be filed  
3 with the PUC in early 2017.  
4

5 Transmission Service Cost Adjustment Factors (TSCAF)

6 **Q. What are the Company's proposed TSCAFs?**

7 A. The proposed TSCAFs for the period April 1, 2016 through March 31, 2017 are  
8 presented in Schedule ASC-13. As shown on Schedule ASC -13, Page 1, Line (3), the  
9 cumulative transmission service under-recovery as of December 31, 2015, plus estimated  
10 interest during the refund period, is approximately \$6.1 million, and the proposed factors  
11 are designed to recover this amount. For billing purposes, the TSCAFs are included with  
12 the base transmission kWh charge on customers' bills.  
13

14 **Q. How were the proposed factors developed?**

15 A. The first step in calculating the proposed TSCAFs is to determine the over- or under-  
16 recovery of expense for each rate class. The base transmission revenue billed to each  
17 class during the period January 1, 2015 through December 31, 2015 is compared to each  
18 classes' allocated share of transmission expenses for the same period. The difference is  
19 the over- or under- recovery of expense attributable to each class. Next, each class's  
20 over- or under-recovery of expense is then divided by the forecasted kWh deliveries for  
21

1 that class for the period April 1, 2016 through March 31, 2017 to determine the  
2 individual class adjustment factors.

3  
4 Transmission-Related Uncollectible Expense

5 **Q. Please describe the recovery of transmission-related uncollectible expense.**

6 A. Pursuant to the Company's TSCAP, the Company is allowed to recover an allowance for  
7 the Company's uncollectible expense associated with amounts billed through  
8 transmission charges at the uncollectible rate approved by the PUC. Transmission-  
9 related uncollectible expense is estimated for purposes of setting the Transmission  
10 Service Uncollectible Factors for the upcoming year as the approved uncollectible  
11 percentage applied to the sum of: (1) the forecast of base transmission expense, (2) any  
12 over- or under-recovery of transmission expense during the prior year, and (3) any over-  
13 or under-recovery of transmission uncollectible expense allowance during the prior year.  
14 This amount is subject to reconciliation on an annual basis for actual transmission  
15 revenue billed by the Company during the applicable period.

16  
17 **Q. How are the proposed transmission-related uncollectible factors calculated?**

18 A. The calculation of the Transmission Uncollectible Factors is shown in Schedule ASC-14.  
19 The estimated transmission uncollectible expense for 2016 is calculated by multiplying  
20 the allowable uncollectible rate of 1.25% by the sum of: (1) the estimated base  
21 transmission revenue for the period April 1, 2016 through March 31, 2017, (2) the

1 transmission service net under-recovery balance for 2015, and (3) the net under-recovery  
2 of transmission-related uncollectible expense during the period January 1, 2015 through  
3 December 31, 2015. The total transmission uncollectible expense for 2016 is shown by  
4 rate class on Line (6) of Schedule ASC-14. This estimate is divided by the forecasted  
5 kWh deliveries for each rate class during April 1, 2016 through March 31, 2017, resulting  
6 in per kWh charges for each rate class. The final Transmission Uncollectible Factors  
7 include the 2015 Transmission Uncollectible Reconciliation Factors, shown on Line (9)  
8 of Schedule ASC-14, that are developed in Schedule ASC-15. For billing purposes, the  
9 Transmission Uncollectible and Transmission Uncollectible Reconciliation Factors are  
10 included with the Transmission Service kWh charges on customers' bills.

11  
12 **Q. Did the Company prepare a reconciliation of the transmission-related uncollectible**  
13 **expense for the period ending December 31, 2015?**

14 A. Yes. As explained above, on an annual basis, the Company reconciles the revenue billed  
15 through the Transmission Uncollectible Factors to the Transmission Uncollectible  
16 allowance based on actual Transmission Service revenue billed during the reconciliation  
17 period. This reconciliation is shown in Schedule ASC-15, Page 1. The actual revenue  
18 billed through the Transmission Uncollectible Factors is shown on Line (1) of Schedule  
19 ASC-15, Page 1. Transmission Uncollectible Expense allowance is calculated on Lines  
20 (2) through (7) as the actual Transmission Service revenue billed during the period

1 January 2015 through December 2015 multiplied by the uncollectible percentage of  
2 1.25%.

3  
4 As indicated on Line (8), an under-recovery of \$103,759 of the transmission uncollectible  
5 allowance was incurred during the reconciliation period. The Transmission Uncollectible  
6 Reconciliation Factors are calculated on Line (17) as the transmission uncollectible  
7 under-recovery, including interest, divided by the forecasted kWh deliveries during the  
8 period April 1, 2016 through March 31, 2017.

9  
10 Page 2 of Schedule ASC-15 shows the detail of the Transmission Uncollectible Factor  
11 Revenue. The total revenue billed through the factors is calculated in Column (c) for  
12 each rate class. The revenue associated with the recovery or refund of the prior  
13 reconciliation period's over or under-recovery, shown in Column (d), is subtracted from  
14 the total revenue to determine the base revenue for the current reconciliation period.

15  
16 **Q. What is the status of the recovery associated with the transmission service under-**  
17 **recovery incurred during the period January 2014 through December 2014?**

18 A. Page 5 of Schedule ASC-15 presents the status of the under-recovery incurred during the  
19 period January 2014 through December 2014 for each rate class. The Company will  
20 continue to recover the under-recovery through March 31, 2016. The ending balances,

21

positive or negative, will be included as adjustments to the transmission uncollectible reconciliation for the period January 2016 through December 2016.

**Q. What is the status of the recovery associated with the transmission service under-recovery incurred during the period January 2013 through December 2013?**

A. Page 4 of Schedule ASC-15 presents the status of the under-recovery incurred during the period January 2013 through December 2013 for each rate class. The ending balance of (\$48,410) has been included as adjustment to the transmission uncollectible reconciliation for the period January 2015 through December 2015, as shown on Schedule ASC-15, Page 1, Line (9).

**VIII. Net Metering Charge and Reconciliation of Renewable Net Metering Credits and Payments to Qualifying Facilities with Renewable Generation**

**Q. Please describe the costs that the Company is incurring pursuant to the Net Metering Provision, RIPUC No. 2150.**

A. Pursuant to the Company's Net Metering Provision, RIPUC No. 2150, the Company pays Renewable Net Metering Credits to an Eligible Net Metering System (Host Customer) for up to one hundred percent (100%) of the Host Customer's usage at the Eligible Net Metering System site over the applicable billing period.<sup>4</sup> The Renewable Net Metering Credit is equal to the total kWh of electricity generated and consumed on-site during the

---

<sup>4</sup> Additionally, municipal delivery service accounts designated by the municipality or multi-municipal collaborative are eligible for net metering within an Eligible Net Metering System site.

1 billing period multiplied by the sum of the:

- 2 1) SOS kWh charge for the rate class applicable to the net metering  
3 customer;  
4 2) Distribution kWh charge;  
5 3) Transmission kWh charge; and  
6 4) Transition kWh charge.  
7

8 For kWh generation between one hundred per cent (100%) and one hundred twenty-five  
9 percent (125%) of the Host Customer's on-site usage, the Company pays the SOS rate  
10 applicable to the Host Customer for all kWh generated.  
11

12 **Q. Please describe the costs that the Company is incurring pursuant the Qualifying**  
13 **Facility Power Purchase Rate, RIPUC No. 2098.**

14 A. Pursuant to the provisions of the Qualifying Facility Power Purchase Rate, RIPUC No.  
15 2098, for facilities meeting the definition of renewable energy resources as defined in  
16 RIGL Section 39-26-5, the Company pays the SOS rate applicable to that customer for  
17 each kWh generated in excess of the facility's requirements.  
18

19 **Q. Does the Company receive payments from ISO-NE for energy generated by net**  
20 **metered customers and renewable Qualifying Facilities?**

21 A. Yes. For kWh generated by both eligible renewable net metering customers and

1 renewable Qualifying Facilities that are registered with ISO-NE as generating assets, the  
2 Company receives payments from ISO-NE for the sale of this energy in the market.  
3 These payments are used to offset the Renewable Net Metering Credits paid to Host  
4 Customers and payments to renewable Qualifying Facilities.  
5

6 **Q. How does the Company recover the cost of the Renewable Net Metering Credits**  
7 **paid to Host Customers and the payments to renewable Qualifying Facilities?**

8 A. Per the Company's tariffs, the Company recovers through a Net Metering Charge the sum  
9 of (1) all Renewable Net Metering Credits paid to eligible net metering customers, less  
10 any payments from ISO-NE for the sales of excess generation, and (2) the difference  
11 between the payments made to Qualifying Facilities with renewable generation at the  
12 SOS rate and the payments received from ISO-NE for market energy sold. The Net  
13 Metering Charge is a uniform per-kWh charge applicable to all customers and is included  
14 with the LTC Recovery Factor on customer bills, labeled as the Renewable Energy  
15 Distribution charge.  
16

17 **Q. What is the total cost that the Company is proposing to recover through the Net**  
18 **Metering Charge?**

19 A. The Net Metering reconciliation is shown on Schedule ASC-16. The total amount of  
20 Renewable Net Metering Credits paid during 2015 totaled \$128,967, as shown in Column  
21 (a) of Page 1. The payments received during 2015 from ISO-NE for excess generation



1 totaled \$115,762, as shown in Column (b). The difference between the payments made  
2 to Qualifying Facilities with renewable generation at the SOS rate and the payments  
3 received from ISO-NE for market energy sold totaled \$538,710, as shown in Column (c).  
4 The total costs incurred during the period January 1, 2015 through December 31, 2015 is  
5 \$551,915, as shown in Column (e).  
6

7 **Q. Is the Company proposing a Net Metering Charge for April 1, 2016?**

8 A. Yes. As shown on Schedule ASC-16, Page 1, Line (2), a Net Metering Charge of 0.007¢  
9 per kWh has been proposed.  
10

11 **Q. Please describe Schedule ASC-17.**

12 A. Schedule ASC-17 is the Company's Net Metering report. This schedule includes a listing  
13 of all eligible net metering facilities in the Company's service territory, along with a  
14 description of each unit, including fuel type, capacity, and interconnection date. An  
15 estimate of each unit's annual kWh production is also included in the report.  
16

17 **IX. LTC Recovery Factor and Reconciliation**

18 **Q. Please describe the LTC Recovery Provision.**

19 A. Pursuant to LTC Recovery Provision, RIPUC No. 2127, the Company is allowed to  
20 recover the costs incurred in accordance with the provisions of RIGL Chapter 39-26.1,  
21 Long-Term Contracting Standard for Renewable Energy, and RIGL Chapter 39-26.2,

1 Distributed Generation Standard Contracts. Pursuant to Rhode Island law, the Company  
2 is required to enter into contracts with eligible renewable energy resources at fixed prices  
3 for the purchase of energy, capacity, and Renewable Energy Certificates (RECs)  
4 (collectively, the Contract Products). The Company will sell the energy purchased  
5 through the contracts into the ISO-NE energy market and will use the RECs to satisfy the  
6 Company's REC obligation associated with SOS. The difference between the cost  
7 incurred under each contract, equal to the fixed contract price multiplied by the  
8 generation of the facility, and the proceeds that the Company receives for the sale of the  
9 Contract Products, is referred to as the above market contract cost. Per RIGL § 39-26.1-  
10 5(f), the above market contract costs are to be recovered from all retail delivery service  
11 customers through a uniform per kWh factor. In addition, the Company is authorized  
12 pursuant to RIGL § 39-26.1-4 to recover 2.75 percent of the total payments made under  
13 each contract as remuneration. Finally, certain administrative and other costs authorized  
14 through various sections of the statutes will be tracked and recovered annually.

15  
16 On an annual basis, the Company is required to reconcile the revenue billed through the  
17 LTC Recovery Factor and the expenses incurred pursuant to the LTC Recovery  
18 Provision.

19  
20 **Q. Has the Company prepared a reconciliation of the LTC Recovery Factor?**

21 **A.** Yes, the reconciliation of the LTC Recovery Factor is found in Schedule ASC-18. Page

1 1 contains a summary of revenue and expenses while pages 3 through 4 contain detailed  
2 revenue and expense information. Page 5 contains the status of the under-recovery  
3 balance incurred through December 2014 that is being recovered from customers during  
4 the period April 1, 2015 through March 31, 2016. Page 6 contains the status of the  
5 under-recovery balance incurred in from January 2013 to December 2013. The ending  
6 balance is included as an adjustment on Page 1, Column (d).

7  
8 **Q. Please summarize the results of the Company's LTC Recovery Factor reconciliation**  
9 **for the period January 1, 2015 through December 31, 2015.**

10 A. Page 1, Column (b) shows the revenue billed each month through the LTC Recovery  
11 Factor during 2015 totaling \$3,023,550. Column (c) shows the monthly expense totaling  
12 \$11.6 million for the twelve months ending December 31, 2015. Column (d) includes an  
13 adjustment of (\$135,484), which is the ending balance of the under- recovery incurred  
14 during 2013 and recovered from customers during the period ending March 31, 2015.  
15 Column (e) shows the over- or under-recovery of expense for each month. Column (f)  
16 shows the cumulative over- or under-recovery. Column (f) shows an ending under-  
17 recovery balance of \$8.7 million.

18  
19 **Q. What is the net LTC Recovery Factor proposed to be effective April 1, 2016?**

20 A. The proposed net LTC Recovery Factor effective April 1, 2016 is 0.234¢ per kWh. The  
21 calculation of the factor is shown on Schedule ASC-18, Page 1, Lines (4) through (10).

1 The under-recovery of \$8.8 million, including interest, is divided by the forecasted kWh  
2 delivery during the recovery period, resulting in a charge of 0.115¢ per kWh. Line (7)  
3 provides for an adjustment to the LTC Recovery Factor for uncollectible revenue. Line  
4 (9) shows the currently effective LTC Recovery Factor charge of 0.118¢ per kWh,  
5 effective January 1, 2016, that was designed to recover the estimated above market costs  
6 associated with long-term contracts that Company expected to incur during the period  
7 January 1, 2016 through June 30, 2016. This credit factor will terminate on June 30,  
8 2016 at which time a new charge or credit factor will become effective to either recover  
9 or credit the estimated above or below market value of Contract Products during the  
10 period July 1, 2016 through December 31, 2016. Line (10) shows the proposed net LTC  
11 Recovery Factor of 0.234¢ per kWh to be effective April 1, 2016 through June 30, 2016.

12  
13 **Q. Please describe the revenue billed through the LTC Recovery Factor and reflected**  
14 **in Column (b) of the LTC reconciliation shown on Schedule ASC-18, Page 1.**

15 A. Page 3 contains the derivation of the LTC Recovery Factor revenue billed during the  
16 reconciliation period. For billing purposes, the LTC Recovery Factor and the Net  
17 Metering Charge are combined and shown on customers' bills as the Renewable Energy  
18 Distribution Charge. Column (a) on Page 3 shows the monthly Renewable Energy  
19 Distribution Charge. The LTC Recovery Factor revenue reflected in the LTC  
20 reconciliation is the result of disaggregating the revenue billed through the Renewable  
21 Energy Distribution Charge. The first step is to remove the revenue related to the Net

1 Metering Charge portion of the Renewable Energy Distribution Charge revenue, which is  
2 shown in Column (b). The LTC Recovery Factor revenue is shown in Column (c) and is  
3 the difference between the Renewable Energy Distribution Charge revenue shown in  
4 Column (a) and the Net Metering Charge revenue shown in Column (b). Column (d)  
5 represents the revenue associated with the prior year's under-recovery. The revenue  
6 supporting the uncollectible expense allowance is shown in Column (f). The remaining  
7 LTC Recovery Factor revenue shown in Column (g) represents the base revenue  
8 available to offset LTC expenses incurred during the reconciliation period.  
9

10 **Q. Please describe the expenses included in the LTC Recovery Factor reconciliation**  
11 **and shown in Column (c) of Schedule ASC-18, Page 1.**

12 A. Page 4 shows a summary of monthly expenses associated with the Company's long term  
13 and distributed generation standard contracts. The total contract cost shown in Column  
14 (a) less capacity revenue in Column (b) results in net contract payments shown in  
15 Column (c) for the twelve-month period. The Contract Products, consisting of the energy  
16 market proceeds resulting from the sale of the purchased energy into the ISO-NE energy  
17 market and the value of the RECs, are shown in Columns (d) and (e), respectively. The  
18 above market cost in Column (f) is the net contract cost less the value received for the  
19 Contract Products. Column (g) shows Other Charges and Credits, representing forfeited  
20 performance guarantee deposits retained from resources that did not complete required  
21

1 contract milestones. Column (h) shows the contract remuneration and Column (i) shows  
2 the total costs to be recovered for the year.  
3

4 **Q. Please describe the contract costs in more detail.**

5 A. As described above, the Company executes contracts with eligible renewable resources to  
6 purchase energy, capacity, and RECs at a bundled price. Twenty-five resources that have  
7 executed contracts under either the long-term contracting or distributed generation  
8 standard statutes were commercially operating at least one or more months during the  
9 reconciliation period. The amount paid each month under the individual contracts is  
10 equal to the kWh generated by the renewable resource multiplied by each contract's  
11 bundled price. If the resource has bid capacity into the ISO-NE Forward Capacity  
12 Market and is receiving capacity payments from ISO-NE, these payments are reflected on  
13 the monthly contract invoice as a reduction to the total payment owed to the resource.  
14

15 **Q. How are the energy market proceeds determined?**

16 A. The Company sells the energy generated by each renewable resource into the ISO-NE  
17 energy market and receives a payment from ISO-NE equal to the hourly generation of  
18 each resource multiplied by the hourly locational marginal price.  
19

20 **Q. Please describe the treatment of RECs in the LTCRER reconciliation.**

21 A. As approved in the Company's 2013 Renewable Energy Standard Plan in Docket No.

1       4315, the Company utilizes the RECs produced by each resource to satisfy its RES  
2       obligation for SOS. The Company determines the market value of the RECs on a  
3       quarterly basis as they are delivered. RECs are delivered to the Company through the  
4       NEPOOL GIS on a quarterly basis, and the Company assesses their value at delivery  
5       every three months by calculating the average of the available market prices two weeks  
6       before and after the delivery. Market price information includes recent REC solicitation  
7       results, broker information, and published indices in accordance with the methodology  
8       approved in the RES Plan

9  
10      To illustrate the valuation methodology, after the first quarter of generation is completed,  
11      the RECs are “minted” or created within the GIS and then delivered to the Company. At  
12      this point, the Company averages the available market price points for the period two  
13      weeks prior to and after the delivery date. This calculation produces the current market  
14      value, which is then applied to the quantity of RECs delivered for that quarterly period.  
15      On an annual basis, there are four REC deliveries through the GIS, and those quarterly  
16      deliveries are valued using this methodology. Thus the value of the each delivery of  
17      RECs reflects the market price at the time they were delivered.

18  
19      The value of the generated RECs is recorded in the LTC Recovery Factor reconciliation  
20

as a credit, or an offset to total cost, and is simultaneously recorded in the RES  
reconciliation<sup>5</sup> as an expense.

**Q. Please describe the calculation of the contract remuneration.**

A. The contract remuneration is shown in Schedule ASC-18, Page 4, Column (h) and is  
calculated as 2.75% of the actual net contract payments shown in Column (c).

**Q. What is the status of the under-recovery of costs incurred as of December 2014?**

A. Schedule ASC-18, Page 5, contains the status of the under-recovery of \$8.7 million  
incurred during the period January 1, 2014 through December 31, 2014. This balance is  
currently being recovered from customers during the period April 1, 2015 through March  
31, 2016. The Company will continue to recover the under-recovery through March 31,  
2016. The ending balances, positive or negative, will be included as an adjustment to the  
LTC Recovery reconciliation for the period January 2016 through December 2016, which  
will be filed with the PUC in early 2017.

**X. Typical Bills**

**Q. Has the Company provided a typical bill analysis to illustrate the impact of the  
proposed rate changes?**

A. Yes. The typical bill analysis is contained in Schedule ASC-19. The impact of all rate

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<sup>5</sup> Pursuant to RIGL section 39-26-1



changes proposed in this filing on a typical residential SOS customer using 500 kWh per month is an increase of \$1.56, from \$92.35 to \$93.91 or approximately 1.7% percent.

**XI. Summary of Retail Delivery Rates**

**Q. Is the Company including a revised Summary of Retail Delivery Rates tariff, RIPUC. No. 2095, or Summary of Rates – Standard Offer, RIPUC 2096, in this filing?**

A. No, the Company is not revising these tariffs at this time. The Company currently has rate changes for April 1, 2016 pending approval by the PUC in Docket No. 4592, the Fiscal Year 2017 Electric Infrastructure, Safety, and Reliability Plan. In addition, the Company will submit its RES filing prior to February 29, 2016 and will propose its RES charge effective April 1, 2016. Therefore, the Company will submit its revised Summary of Rates Tariffs as compliance filing once the PUC has issued its decision in all dockets related to rate changes proposed for April 1, 2016.

**XII. Conclusion**

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

A. Yes, it does.



**Schedules of Adam S. Crary**

Schedule ASC-1	Summary of Proposed Rate Changes Effective April 1, 2016 through March 31, 2017
Schedule ASC-2	Standard Offer Service Reconciliation for the period January 2015 through December 2015
Schedule ASC-3	Calculation of Standard Offer Adjustment Factors
Schedule ASC-4	Calculation of Standard Offer Service Administrative Cost Factors
Schedule ASC-5	Standard Offer Service Administrative Cost Adjustment Reconciliation for the period January 2015 through December 2015
Schedule ASC-6	Cash Working Capital Analysis
Schedule ASC-7	Calculation of SOS Administrative Cost Reconciliation Adjustment Factors
Schedule ASC-8	Unbilled SOS Billing Adjustment
Schedule ASC-9	Calculation of Proposed Non-Bypassable Transition Charge
Schedule ASC-10	Non-Bypassable Transition Charge Reconciliation and Non-Bypassable Transition Adjustment Charge Reconciliation for the period January 2015 through December 2015
Schedule ASC-11	Calculation of Proposed Base Transmission Charges
Schedule ASC-12	Transmission Service Reconciliation for the period January 2015 through December 2015
Schedule ASC-13	Calculation of Proposed Transmission Adjustment Factors
Schedule ASC-14	Calculation of Proposed Transmission Uncollectible Factors
Schedule ASC-15	Transmission Uncollectible Factor Reconciliation for the period January 2015 through December 2015
Schedule ASC-16	Calculation of Net Metering Charge
Schedule ASC-17	Net Metering Report for 2015
Schedule ASC-18	LTCRER Reconciliation and Calculation of Proposed LTC Factor
Schedule ASC-19	Typical Bill Analysis



**THE NARRAGANSETT ELECTRIC COMPANY  
D/B/A NATIONAL GRID  
RIPUC DOCKET NO. \_\_\_\_  
2016 ELECTRIC RETAIL RATE FILING  
WITNESS: ADAM S. CRARY**

**Schedule ASC-1**

**Summary of Proposed Rate Changes  
Effective April 1, 2016 through March 31, 2017**

The Narragansett Electric Company  
Summary of Proposed Rate Changes for April 1, 2016

Rate Class	Standard Offer Adjustment Factor (1) (a)	Standard Offer Service Administrative Cost Factor (1) (b)	Transition Charge (d)	Transition Adjustment Charge (e)	Net Transition Charge (f)
	Schedule ASC-3	Schedule ASC-4	Schedule ASC-9	Schedule ASC-9	(d) + (e)
(1) A-16	(\$0.00330)	\$0.00307	\$0.00011	(\$0.00069)	(\$0.00058)
(2) A-60	(\$0.00330)	\$0.00307	\$0.00011	(\$0.00069)	(\$0.00058)
(3) C-06	\$0.00377	\$0.00298	\$0.00011	(\$0.00069)	(\$0.00058)
(4) G-02 per kWh	\$0.00377	\$0.00298	\$0.00011	(\$0.00069)	(\$0.00058)
(5) G-32/B-32 per kWh	(\$0.01427)	\$0.00371	\$0.00011	(\$0.00069)	(\$0.00058)
(6) G-62/B-62 per kWh	(\$0.01427)	\$0.00371	\$0.00011	(\$0.00069)	(\$0.00058)
(7) Streetlights	\$0.00377	\$0.00298	\$0.00011	(\$0.00069)	(\$0.00058)
(8) X-01 per kWh	(\$0.01427)	\$0.00371	\$0.00011	(\$0.00069)	(\$0.00058)

Rate Class	Base Transmission Charge (g)	Transmission Adjustment Factor Charge(Credit) (h)	Transmission Uncollectible Factor (i)	Net Transmission Charge (j)	Net Metering Surcharge (k)	LTCRER Charge (l)
	Schedule ASC-11	Schedule ASC-13	Schedule ASC-14	(g) + (h) + (i)	Schedule ASC-16	Schedule ASC-18
(9) A-16	\$0.02596	\$0.00074	\$0.00035	\$0.02705	\$0.00007	\$0.00234
(10) A-60	\$0.02596	\$0.00074	\$0.00035	\$0.02705	\$0.00007	\$0.00234
(11) C-06	\$0.02607	(\$0.00073)	\$0.00032	\$0.02566	\$0.00007	\$0.00234
(12) G-02 per kWh	\$0.01031	\$0.00007	\$0.00030	\$0.01068	\$0.00007	\$0.00234
(13) G-02 per kW	\$3.59			\$3.59		
(14) G-32/B-32 per kWh	\$0.00905	\$0.00114	\$0.00028	\$0.01047	\$0.00007	\$0.00234
(15) G-32/B-32 per kW	\$3.97			\$3.97		
(16) G-62/B-62 per kWh	\$0.01114	\$0.00236	\$0.00028	\$0.01378	\$0.00007	\$0.00234
(17) G-62/B-62 per kW	\$3.22			\$3.22		
(18) Streetlights	\$0.01185	\$0.00773	\$0.00025	\$0.01983	\$0.00007	\$0.00234
(19) X-01 per kWh	\$0.01114	\$0.00236	\$0.00028	\$0.01378	\$0.00007	\$0.00234
(20) X-01 per kW	\$3.22			\$3.22		

(1) To be included with Standard Offer Service rate for billing purposes



**THE NARRAGANSETT ELECTRIC COMPANY  
D/B/A NATIONAL GRID  
RIPUC DOCKET NO. \_\_\_\_  
2016 ELECTRIC RETAIL RATE FILING  
WITNESS: ADAM S. CRARY**

**Schedule ASC-2**

**Standard Offer Service Reconciliation  
For the Period January 2015 through December 2015**



**STANDARD OFFER SERVICE RECONCILIATION**  
**For the Period January 1, 2015 through December 31, 2015**

**BASE RECONCILIATION - ALL CLASSES**

Month	Over/(Under) Beginning Balance (a)	SOS Revenue (b)	SOS Expense (c)	Monthly Over/(Under) (d)	Over/(Under) Ending Balance (e)	Over/(Under) Ending Balance w/ Unbilled Revenue (f)
(1) Jan-15	\$0	\$25,775,049	\$81,829,131	(\$56,054,082)	(\$56,054,082)	(\$25,390,992)
Feb-15	(\$56,054,082)	\$55,751,073	\$74,882,089	(\$19,131,017)	(\$75,185,098)	(\$49,258,324)
Mar-15	(\$75,185,098)	\$47,139,589	\$42,498,871	\$4,640,719	(\$70,544,380)	(\$50,783,320)
Apr-15	(\$70,544,380)	\$35,929,199	\$22,936,553	\$12,992,646	(\$57,551,733)	(\$42,522,746)
May-15	(\$57,551,733)	\$27,325,432	\$20,094,276	\$7,231,155	(\$50,320,578)	(\$34,114,246)
Jun-15	(\$50,320,578)	\$29,466,059	\$25,310,869	\$4,155,189	(\$46,165,389)	(\$26,619,500)
Jul-15	(\$46,165,389)	\$35,537,980	\$32,051,906	\$3,486,074	(\$42,679,315)	(\$20,095,043)
Aug-15	(\$42,679,315)	\$41,062,313	\$30,994,393	\$10,067,920	(\$32,611,395)	(\$10,363,415)
Sep-15	(\$32,611,395)	\$40,450,872	\$22,574,623	\$17,876,250	(\$14,735,146)	\$1,030,065
Oct-15	(\$14,735,146)	\$28,664,020	\$19,394,043	\$9,269,977	(\$5,465,168)	\$8,418,082
Nov-15	(\$5,465,168)	\$25,242,273	\$23,907,621	\$1,334,652	(\$4,130,516)	\$14,189,189
Dec-15	(\$4,130,516)	\$33,308,554	\$38,156,451	(\$4,847,897)	(\$8,978,414)	\$9,917,055
(2) Jan-16	(\$8,978,414)	\$18,895,468		\$18,895,468	\$9,917,055	\$0
Subtotal	\$0	\$444,547,882	\$434,630,827	\$9,917,055	\$9,917,055	\$9,917,055

Adjustments

(3) Remaining Balance from Over(Under) Recovery incurred during 2013	\$40,282
(4) Total Net Unbilled SOS Billing Adjustments	<u>(\$65,900)</u>
Total Adjustments	(\$25,619)
Ending Balance Prior to Application of Interest	\$9,891,436
(5) Interest	\$124,055
Ending Balance Including Interest	<u>\$10,015,491</u>

- (1) Reflects revenues based on kWhs consumed after January 1  
(2) Reflects revenues based on kWhs consumed prior to January 1  
(3) Sum of final values on ASC-2, Page 7, Section 1, columns (g)  
(4) Sum of ASC-2 Page 2, Line (4) and ASC-2 Page 3, Line (4)  
(5) [(Beginning balance + ending balance) ÷ 2] x [(2.35% x 2/12) + (2.54% x 10/12)]

Column Notes:

- Column (a) Column (e) from previous row  
Column (b) Pages 2, 3 and 4, column (b)  
Column (c) Page 6, column (e)  
Column (d) Column (b) - Column (c)  
Column (e) Column (a) + Column (d)  
Column (f) Column (e) + 55% of following month Column (b)

STANDARD OFFER SERVICE RECONCILIATION  
For the Period January 1, 2015 through December 31, 2015

Base Reconciliation - By Customer Group

<b>Residential</b>						
<u>Month</u>	Over/(Under) Beginning <u>Balance</u> (a)	<u>Revenue</u> (b)	<u>Expense</u> (c)	Monthly Over/(Under) (d)	Over/(Under) Ending <u>Balance</u> (e)	Over/(Under) Ending Balance w/ Unbilled Revenue (f)
(1) Jan-15	\$0	\$11,995,249	\$48,840,745	(\$36,845,496)	(\$36,845,496)	(\$21,683,005)
Feb-15	(\$36,845,496)	\$27,568,166	\$46,189,686	(\$18,621,520)	(\$55,467,016)	(\$41,417,318)
Mar-15	(\$55,467,016)	\$25,544,905	\$25,532,320	\$12,584	(\$55,454,432)	(\$43,297,859)
Apr-15	(\$55,454,432)	\$22,102,859	\$15,145,335	\$6,957,523	(\$48,496,908)	(\$38,542,338)
May-15	(\$48,496,908)	\$18,099,219	\$12,627,127	\$5,472,092	(\$43,024,816)	(\$32,041,100)
Jun-15	(\$43,024,816)	\$19,970,393	\$15,884,645	\$4,085,747	(\$38,939,068)	(\$25,123,081)
Jul-15	(\$38,939,068)	\$25,119,977	\$21,853,234	\$3,266,743	(\$35,672,326)	(\$19,135,298)
Aug-15	(\$35,672,326)	\$30,067,323	\$21,290,461	\$8,776,861	(\$26,895,464)	(\$10,404,319)
Sep-15	(\$26,895,464)	\$29,983,901	\$15,334,295	\$14,649,607	(\$12,245,858)	(\$868,980)
Oct-15	(\$12,245,858)	\$20,685,232	\$12,532,815	\$8,152,417	(\$4,093,441)	\$5,653,389
Nov-15	(\$4,093,441)	\$17,721,509	\$15,277,198	\$2,444,311	(\$1,649,129)	\$10,873,176
Dec-15	(\$1,649,129)	\$22,767,827	\$25,288,687	(\$2,520,860)	(\$4,169,989)	\$9,410,426
(2) Jan-16	(\$4,169,989)	\$13,580,415		\$13,580,415	\$9,410,426	\$0
<u>Adjustments</u>						
(3) Remaining Balance from Over(Under) Recovery incurred during 2013						(\$568,698)
(4) Total Net Unbilled SOS Billing Adjustments - Residential						(\$7,701)
Ending Balance Prior to Application of Interest						\$8,834,027
(5) Interest						\$110,793
Ending Balance Including Interest						<u>\$8,944,821</u>

- (1) Reflects revenues based on kWhs consumed after January 1  
(2) Reflects revenues based on kWhs consumed prior to January 1  
(3) Sum of final values on ASC-2, Page 7, Section 1, columns (g)  
(4) Schedule ASC-8, page 1, Column (a) Total  
(5)  $[(\text{Beginning Balance} + \text{Ending Balance}) \div 2] \times [(2.35\% \times 2/12) + (2.54\% \times 10/12)]$

Column Notes:

- (a) Column (e) from previous row  
(b) Page 5, Column (a)  
(c) Page 6, Column (d)  
(d) Column (b) - Column (c)  
(e) Column (a) + Column (d)

STANDARD OFFER SERVICE RECONCILIATION  
For the Period January 1, 2015 through December 31, 2015

Base Reconciliation - By Customer Group

<b>Commercial</b>						
<u>Month</u>	Over/(Under) Beginning <u>Balance</u> (a)	<u>Revenue</u> (b)	<u>Expense</u> (c)	Monthly Over/(Under) (d)	Over/(Under) Ending <u>Balance</u> (e)	Over/(Under) Ending Balance w/ Unbilled Revenue (f)
(1) Jan-15	\$0	\$8,426,462	\$20,013,135	(\$11,586,673)	(\$11,586,673)	(\$3,272,916)
Feb-15	(\$11,586,673)	\$15,115,922	\$18,542,355	(\$3,426,433)	(\$15,013,105)	(\$8,015,898)
Mar-15	(\$15,013,105)	\$12,722,195	\$10,977,154	\$1,745,041	(\$13,268,064)	(\$8,226,901)
Apr-15	(\$13,268,064)	\$9,165,752	\$6,315,502	\$2,850,251	(\$10,417,814)	(\$6,732,229)
May-15	(\$10,417,814)	\$6,701,064	\$6,250,431	\$450,633	(\$9,967,181)	(\$6,051,887)
Jun-15	(\$9,967,181)	\$7,118,716	\$7,224,656	(\$105,940)	(\$10,073,121)	(\$5,781,496)
Jul-15	(\$10,073,121)	\$7,802,955	\$7,034,448	\$768,507	(\$9,304,614)	(\$4,852,956)
Aug-15	(\$9,304,614)	\$8,093,924	\$6,956,869	\$1,137,056	(\$8,167,558)	(\$3,833,840)
Sep-15	(\$8,167,558)	\$7,879,488	\$5,237,392	\$2,642,095	(\$5,525,463)	(\$2,200,005)
Oct-15	(\$5,525,463)	\$6,046,287	\$4,973,217	\$1,073,071	(\$4,452,392)	(\$1,320,637)
Nov-15	(\$4,452,392)	\$5,694,101	\$6,485,107	(\$791,006)	(\$5,243,399)	(\$824,525)
Dec-15	(\$5,243,399)	\$8,034,316	\$10,148,678	(\$2,114,361)	(\$7,357,760)	(\$3,485,470)
(2) Jan-16	(\$7,357,760)	\$3,872,290		\$3,872,290	(\$3,485,470)	\$0
<u>Adjustments</u>						
(3) Remaining Balance from Over(Under) Recovery incurred during 2013						(\$93,827)
(4) Total Net Unbilled SOS Billing Adjustments - Commercial						(\$58,200)
Ending Balance Prior to Application of Interest						(\$3,637,496)
(5) Interest						(\$45,620)
Ending Balance Including Interest						<u>(\$3,683,116)</u>

- (1) Reflects revenues based on kWhs consumed after January 1  
(2) Reflects revenues based on kWhs consumed prior to January 1  
(3) Sum of final values on ASC-2, Page 7, Section 1, columns (g)  
(4) Schedule ASC-8, page 1, Column (b) Total  
(5)  $[(\text{Beginning Balance} + \text{Ending Balance}) \div 2] \times [(2.35\% \times 2/12) + (2.54\% \times 10/12)]$

Column Notes:

- (a) Column (e) from previous row  
(b) Page 5, Column (c)  
(c) Page 6, Column (d)  
(d) Column (b) - Column (c)  
(e) Column (a) + Column (d)

STANDARD OFFER SERVICE RECONCILIATION  
For the Period January 1, 2015 through December 31, 2015

Base Reconciliation - By Customer Group

<b>Industrial</b>						
<u>Month</u>	Over/(Under) Beginning <u>Balance</u> (a)	<u>Revenue</u> (b)	<u>Expense</u> (c)	Monthly Over/(Under) (d)	Over/(Under) Ending <u>Balance</u> (e)	Over/(Under) Ending Balance w/ Unbilled Revenue (f)
(1) Jan-15	\$0	\$5,353,338	\$12,975,251	(\$7,621,913)	(\$7,621,913)	(\$435,071)
Feb-15	(\$7,621,913)	\$13,066,985	\$10,150,049	\$2,916,936	(\$4,704,977)	\$174,892
Mar-15	(\$4,704,977)	\$8,872,490	\$5,989,396	\$2,883,094	(\$1,821,884)	\$741,440
Apr-15	(\$1,821,884)	\$4,660,588	\$1,475,716	\$3,184,872	\$1,362,989	\$2,751,820
May-15	\$1,362,989	\$2,525,149	\$1,216,719	\$1,308,430	\$2,671,419	\$3,978,741
Jun-15	\$2,671,419	\$2,376,950	\$2,201,568	\$175,382	\$2,846,801	\$4,285,077
Jul-15	\$2,846,801	\$2,615,048	\$3,164,224	(\$549,176)	\$2,297,625	\$3,893,211
Aug-15	\$2,297,625	\$2,901,066	\$2,747,063	\$154,003	\$2,451,627	\$3,874,743
Sep-15	\$2,451,627	\$2,587,484	\$2,002,936	\$584,548	\$3,036,175	\$4,099,051
Oct-15	\$3,036,175	\$1,932,501	\$1,888,011	\$44,490	\$3,080,665	\$4,085,329
Nov-15	\$3,080,665	\$1,826,663	\$2,145,316	(\$318,653)	\$2,762,012	\$4,140,538
Dec-15	\$2,762,012	\$2,506,411	\$2,719,087	(\$212,676)	\$2,549,336	\$3,992,099
(2) Jan-16	\$2,549,336	\$1,442,763		\$1,442,763	\$3,992,099	\$0
<u>Adjustments</u>						
(3) Remaining Balance from Over(Under) Recovery incurred during 2013						\$702,806
Ending Balance Prior to Application of Interest						\$4,694,905
(4) Interest						\$58,882
Ending Balance Including Interest						<u>\$4,753,787</u>

- (1) Reflects revenues based on kWhs consumed after January 1  
(2) Reflects revenues based on kWhs consumed prior to January 1  
(3) Sum of final values on ASC-2, Page 7, Section 1, columns (g)  
(4)  $[(\text{Beginning Balance} + \text{Ending Balance}) \div 2] \times [(2.35\% \times 2/12) + (2.54\% \times 10/12)]$

Column Notes:

- (a) Column (e) from previous row  
(b) Page 5, Column (c)  
(c) Page 6, Column (c)  
(d) Column (b) - Column (c)  
(e) Column (a) + Column (d)

**STANDARD OFFER SERVICE RECONCILIATION**  
**For the Period January 1, 2015 through December 31, 2015**

**Revenue**

		<b>Residential</b>	<b>Commercial</b>			<b>Industrial</b>			
		Total Base	Base	HVM	Total Base	Base	HVM	Total Base	Grand Total Base
		Revenues	Revenues	Discount	Revenues	Revenues	Discount	Revenues	Revenue
		(a)	(a)	(b)	(c)	(a)	(b)	(c)	(d)
(1)	Jan-15	\$11,995,249	\$8,427,406	(\$944)	\$8,426,462	\$5,374,553	(\$21,214)	\$5,353,338	\$25,775,049
	Feb-15	\$27,568,166	\$15,117,795	(\$1,873)	\$15,115,922	\$13,122,157	(\$55,172)	\$13,066,985	\$55,751,073
	Mar-15	\$25,544,905	\$12,723,253	(\$1,058)	\$12,722,195	\$8,897,253	(\$24,763)	\$8,872,490	\$47,139,589
	Apr-15	\$22,102,859	\$9,166,540	(\$788)	\$9,165,752	\$4,671,393	(\$10,804)	\$4,660,588	\$35,929,199
	May-15	\$18,099,219	\$6,701,617	(\$553)	\$6,701,064	\$2,534,016	(\$8,867)	\$2,525,149	\$27,325,432
	Jun-15	\$19,970,393	\$7,119,399	(\$683)	\$7,118,716	\$2,388,010	(\$11,060)	\$2,376,950	\$29,466,059
	Jul-15	\$25,119,977	\$7,803,808	(\$854)	\$7,802,955	\$2,627,282	(\$12,233)	\$2,615,048	\$35,537,980
	Aug-15	\$30,067,323	\$8,094,802	(\$877)	\$8,093,924	\$2,913,255	(\$12,189)	\$2,901,066	\$41,062,313
	Sep-15	\$29,983,901	\$7,880,252	(\$765)	\$7,879,488	\$2,598,662	(\$11,178)	\$2,587,484	\$40,450,872
	Oct-15	\$20,685,232	\$6,046,953	(\$666)	\$6,046,287	\$1,941,998	(\$9,497)	\$1,932,501	\$28,664,020
	Nov-15	\$17,721,509	\$5,694,834	(\$733)	\$5,694,101	\$1,836,669	(\$10,006)	\$1,826,663	\$25,242,273
	Dec-15	\$22,767,827	\$8,035,504	(\$1,188)	\$8,034,316	\$2,521,236	(\$14,826)	\$2,506,411	\$33,308,554
(2)	Jan-16	<u>\$13,580,415</u>	<u>\$3,872,918</u>	<u>(\$628)</u>	<u>\$3,872,290</u>	<u>\$1,450,282</u>	<u>(\$7,519)</u>	<u>\$1,442,763</u>	<u>\$18,895,468</u>
Totals		<u>\$285,206,974</u>	<u>\$106,685,082</u>	<u>(\$11,608)</u>	<u>\$106,673,473</u>	<u>\$52,876,765</u>	<u>(\$209,330)</u>	<u>\$52,667,435</u>	<u>\$444,547,882</u>

(1) Reflects revenues based on kWhs consumed after January 1  
(2) Reflects revenues based on kWhs consumed prior to January 1

Column Notes:

- (a) Monthly revenue reports
- (b) Monthly revenue reports
- (c) Col (a) + col (b)
- (d) Residential column (a) + Commercial column (c) + Industrial column (c)

**STANDARD OFFER SERVICE RECONCILIATION**  
**For the Period January 1, 2015 through December 31, 2015**

**Expense**

	Residential				Commercial				Industrial			
		Supplier				Supplier				Supplier		
Month	Base Standard Offer Expense	Reallocations & Other	Spot Market Purchases	Total	Base Standard Offer Expense	Reallocations & Other	Spot Market Purchases	Total	Base Standard Offer Expense	Reallocations & Other	Total	Grand Total Expense
	(a)	(b)	(c)	(d)	(a)	(b)	(c)	(d)	(a)	(b)	(c)	(e)
Jan-15	\$45,612,140	\$45,092	\$3,183,513	\$48,840,745	\$18,531,013	\$252,365	\$1,229,757	\$20,013,135	\$13,082,510	(\$107,258)	\$12,975,251	\$81,829,131
Feb-15	\$42,209,640	\$32,461	\$3,947,585	\$46,189,686	\$17,069,950	\$15,096	\$1,457,309	\$18,542,355	\$10,289,770	(\$139,721)	\$10,150,049	\$74,882,089
Mar-15	\$23,414,618	\$573,884	\$1,543,818	\$25,532,320	\$10,447,894	(\$84,518)	\$613,779	\$10,977,154	\$6,087,335	(\$97,938)	\$5,989,396	\$42,498,871
Apr-15	\$13,195,161	\$1,058,183	\$891,991	\$15,145,335	\$6,167,717	(\$246,444)	\$394,228	\$6,315,502	\$1,806,932	(\$331,215)	\$1,475,716	\$22,936,553
May-15	\$11,708,956	\$56,637	\$861,534	\$12,627,127	\$5,567,942	\$263,806	\$418,684	\$6,250,431	\$1,494,766	(\$278,048)	\$1,216,719	\$20,094,276
Jun-15	\$14,300,310	\$716,137	\$868,198	\$15,884,645	\$6,823,434	\$19,871	\$381,351	\$7,224,656	\$2,079,414	\$122,153	\$2,201,568	\$25,310,869
Jul-15	\$20,130,468	\$225,861	\$1,496,905	\$21,853,234	\$6,512,436	(\$20,246)	\$542,258	\$7,034,448	\$3,282,881	(\$118,657)	\$3,164,224	\$32,051,906
Aug-15	\$19,580,578	\$88,938	\$1,620,946	\$21,290,461	\$6,406,168	\$15,435	\$535,266	\$6,956,869	\$2,842,656	(\$95,593)	\$2,747,063	\$30,994,393
Sep-15	\$14,208,521	(\$37,583)	\$1,163,357	\$15,334,295	\$4,749,560	\$103,380	\$384,453	\$5,237,392	\$2,201,473	(\$198,537)	\$2,002,936	\$22,574,623
Oct-15	\$10,724,096	\$487,524	\$1,321,194	\$12,532,815	\$4,563,676	(\$111,101)	\$520,641	\$4,973,217	\$1,878,746	\$9,266	\$1,888,011	\$19,394,043
Nov-15	\$14,090,127	\$251,732	\$935,339	\$15,277,198	\$5,883,831	\$216,000	\$385,277	\$6,485,107	\$2,379,232	(\$233,916)	\$2,145,316	\$23,907,621
Dec-15	\$23,885,285	\$388,963	\$1,014,440	\$25,288,687	\$9,696,423	\$88,153	\$364,101	\$10,148,678	\$2,958,564	(\$239,478)	\$2,719,087	\$38,156,451
Totals	\$253,059,901	\$3,887,829	\$18,848,819	\$275,796,548	\$102,420,043	\$511,797	\$7,227,103	\$110,158,943	\$50,384,278	(\$1,708,941)	\$48,675,336	\$434,630,827

Column Notes:

- (a) From monthly Standard Offer Service invoices
- (b) From monthly Standard Offer Service invoices
- (c) From monthly Standard Offer Service invoices
- (d) Column (a) + column (b) + column (c)
- (e) Residential column (d) + Commercial column (d) + Industrial column (c)

**STANDARD OFFER SERVICE RECONCILIATION**  
**For the Period January 1, 2015 through December 31, 2015**

**Status of Prior Period Reconciliation Amounts**

**Section 1**

**Reconciliation Period:** January 2013 through December 2013  
**Recovery Period:** April 2014 through March 2015  
**Beginning Balance:** Schedule JAL-2, Page 2, Docket No. 4485

Residential								Commercial								Industrial							
Month	Over/(Under) Beginning Balance (a)	Charge/ (Refund) (b)	Ending Balance (c)	Interest Balance (d)	Interest Rate (e)	Interest (f)	Ending Over/(Under) Recovery w/ Interest (g)	Over/(Under) Beginning Balance (a)	Charge/ (Refund) (b)	Ending Balance (c)	Interest Balance (d)	Interest Rate (e)	Interest (f)	Ending Over/(Under) Recovery w/ Interest (g)	Over/(Under) Beginning Balance (a)	Charge/ (Refund) (b)	Ending Balance (c)	Interest Balance (d)	Interest Rate (e)	Interest (f)	Ending Over/(Under) Recovery w/ Interest (g)		
Jan-14	(\$5,290,123)		(\$5,290,123)	(\$5,290,123)	1.80%	(\$7,935)	(\$5,298,058)	(\$4,542,059)		(\$4,542,059)	(\$4,542,059)	1.80%	(\$6,813)	(\$4,548,872)	\$3,599,132		\$3,599,132	\$3,599,132	1.80%	\$5,399	\$3,604,531		
Feb-14	(\$5,298,058)		(\$5,298,058)	(\$5,298,058)	1.80%	(\$7,947)	(\$5,306,005)	(\$4,548,872)		(\$4,548,872)	(\$4,548,872)	1.80%	(\$6,823)	(\$4,555,695)	\$3,604,531		\$3,604,531	\$3,604,531	1.80%	\$5,407	\$3,609,938		
Mar-14	(\$5,306,005)		(\$5,306,005)	(\$5,306,005)	2.35%	(\$10,391)	(\$5,316,396)	(\$4,555,695)		(\$4,555,695)	(\$4,555,695)	2.35%	(\$8,922)	(\$4,564,617)	\$3,609,938		\$3,609,938	\$3,609,938	2.35%	\$7,069	\$3,617,007		
Apr-14	(\$5,316,396)	\$114,260	(\$5,202,136)	(\$5,259,266)	2.35%	(\$10,299)	(\$5,212,435)	(\$4,564,617)	\$139,152	(\$4,425,465)	(\$4,495,041)	2.35%	(\$8,803)	(\$4,434,267)	\$3,617,007	(\$128,422)	\$3,488,585	\$3,552,796	2.35%	\$6,958	\$3,495,543		
May-14	(\$5,212,435)	\$337,479	(\$4,874,956)	(\$5,043,696)	2.35%	(\$9,877)	(\$4,884,834)	(\$4,434,267)	\$363,743	(\$4,070,525)	(\$4,252,396)	2.35%	(\$8,328)	(\$4,078,852)	\$3,495,543	(\$260,561)	\$3,234,981	\$3,365,262	2.35%	\$6,590	\$3,241,572		
Jun-14	(\$4,884,834)	\$328,042	(\$4,556,791)	(\$4,720,813)	2.35%	(\$9,245)	(\$4,566,036)	(\$4,078,852)	\$359,772	(\$3,719,080)	(\$3,898,966)	2.35%	(\$7,635)	(\$3,726,716)	\$3,241,572	(\$245,106)	\$2,996,465	\$3,119,019	2.35%	\$6,108	\$3,002,574		
Jul-14	(\$4,566,036)	\$445,564	(\$4,120,472)	(\$4,343,254)	2.35%	(\$8,506)	(\$4,128,978)	(\$3,726,716)	\$418,720	(\$3,307,995)	(\$3,517,356)	2.35%	(\$6,888)	(\$3,314,884)	\$3,002,574	(\$254,469)	\$2,748,105	\$2,875,339	2.35%	\$5,631	\$2,753,736		
Aug-14	(\$4,128,978)	\$485,366	(\$3,643,612)	(\$3,886,295)	2.35%	(\$7,611)	(\$3,651,223)	(\$3,314,884)	\$436,741	(\$2,878,143)	(\$3,096,513)	2.35%	(\$6,064)	(\$2,884,207)	\$2,753,736	(\$311,038)	\$2,442,698	\$2,598,217	2.35%	\$5,088	\$2,447,786		
Sep-14	(\$3,651,223)	\$442,294	(\$3,208,929)	(\$3,430,076)	2.35%	(\$6,717)	(\$3,215,646)	(\$2,884,207)	\$417,845	(\$2,466,361)	(\$2,675,284)	2.35%	(\$5,239)	(\$2,471,601)	\$2,447,786	(\$268,418)	\$2,179,368	\$2,313,577	2.35%	\$4,531	\$2,183,899		
Oct-14	(\$3,215,646)	\$344,279	(\$2,871,367)	(\$3,043,506)	2.35%	(\$5,960)	(\$2,877,327)	(\$2,471,601)	\$359,608	(\$2,111,992)	(\$2,291,796)	2.35%	(\$4,488)	(\$2,116,480)	\$2,183,899	(\$251,021)	\$1,932,878	\$2,058,388	2.35%	\$4,031	\$1,936,909		
Nov-14	(\$2,877,327)	\$340,097	(\$2,537,230)	(\$2,707,278)	2.35%	(\$5,302)	(\$2,542,532)	(\$2,116,480)	\$338,701	(\$1,777,779)	(\$1,947,130)	2.35%	(\$3,813)	(\$1,781,593)	\$1,936,909	(\$243,793)	\$1,693,116	\$1,815,012	2.35%	\$3,554	\$1,696,670		
Dec-14	(\$2,542,532)	\$413,457	(\$2,129,075)	(\$2,335,803)	2.35%	(\$4,574)	(\$2,133,649)	(\$1,781,593)	\$385,987	(\$1,395,606)	(\$1,588,599)	2.35%	(\$3,111)	(\$1,398,717)	\$1,696,670	(\$264,701)	\$1,431,969	\$1,564,320	2.35%	\$3,063	\$1,435,032		
Jan-15	(\$2,133,649)	\$466,711	(\$1,666,938)	(\$1,900,294)	2.35%	(\$3,721)	(\$1,670,660)	(\$1,398,717)	\$391,613	(\$1,007,104)	(\$1,202,910)	2.35%	(\$2,356)	(\$1,009,460)	\$1,435,032	(\$231,017)	\$1,204,015	\$1,319,524	2.35%	\$2,584	\$1,206,599		
Feb-15	(\$1,670,660)	\$474,081	(\$1,196,578)	(\$1,433,619)	2.35%	(\$2,808)	(\$1,199,386)	(\$1,009,460)	\$376,329	(\$633,131)	(\$821,295)	2.35%	(\$1,608)	(\$634,739)	\$1,206,599	(\$234,461)	\$972,139	\$1,089,369	2.35%	\$2,133	\$974,272		
Mar-15	(\$1,199,386)	\$430,403	(\$768,983)	(\$984,184)	2.54%	(\$2,083)	(\$771,066)	(\$634,739)	\$360,259	(\$274,481)	(\$454,610)	2.54%	(\$962)	(\$275,443)	\$974,272	(\$183,848)	\$790,424	\$882,348	2.54%	\$1,868	\$792,292		
Apr-15	(\$771,066)	\$203,785	(\$567,281)	(\$669,174)	2.54%	(\$1,416)	(\$568,698)	(\$275,443)	\$182,007	(\$93,436)	(\$184,440)	2.54%	(\$390)	(\$93,827)	\$792,292	(\$91,066)	\$701,226	\$746,759	2.54%	\$1,581	\$702,806		
Total Over/(Under) Recovery																				\$40,282			

**Section 2**

**Reconciliation Period:** January 2014 through December 2014  
**Recovery Period:** April 2015 through March 2016  
**Beginning Balance:** Schedule JAL-2, Docket No. 4554

	Residential							Commercial							Industrial						
	Over/(Under)			Ending Over/(Under)				Over/(Under)			Ending Over/(Under)				Over/(Under)			Ending Over/(Under)			
Month	Beginning Balance	Charge/(Refund)	Ending Balance	Interest Balance	Interest Rate	Interest	Recovery w/ Interest	Beginning Balance	Charge/(Refund)	Ending Balance	Interest Balance	Interest Rate	Interest	Recovery w/ Interest	Beginning Balance	Charge/(Refund)	Ending Balance	Interest Balance	Interest Rate	Interest	Recovery w/ Interest
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(a)	(b)	(c)	(d)		(f)	(g)
Jan-15	(\$1,665,611)		(\$1,665,611)	(\$1,665,611)	2.35%	(\$3,262)	(\$1,668,873)	(\$3,405,098)		(\$3,405,098)	(\$3,405,098)	2.35%	(\$6,668)	(\$3,411,766)	(\$593,545)		(\$593,545)	(\$593,545)	2.35%	(\$1,162)	(\$594,707)
Feb-15	(\$1,668,873)		(\$1,668,873)	(\$1,668,873)	2.35%	(\$3,268)	(\$1,672,141)	(\$3,411,766)		(\$3,411,766)	(\$3,411,766)	2.35%	(\$6,681)	(\$3,418,448)	(\$594,707)		(\$594,707)	(\$594,707)	2.35%	(\$1,165)	(\$595,872)
Mar-15	(\$1,672,141)		(\$1,672,141)	(\$1,672,141)	2.54%	(\$3,539)	(\$1,675,680)	(\$3,418,448)		(\$3,418,448)	(\$3,418,448)	2.54%	(\$7,236)	(\$3,425,684)	(\$595,872)		(\$595,872)	(\$595,872)	2.54%	(\$1,261)	(\$597,133)
Apr-15	(\$1,675,680)	\$73,108	(\$1,602,572)	(\$1,639,126)	2.54%	(\$3,469)	(\$1,606,041)	(\$3,425,684)	\$120,685	(\$3,304,998)	(\$3,365,341)	2.54%	(\$7,123)	(\$3,312,122)	(\$597,133)	(\$10,347)	(\$607,480)	(\$602,307)	2.54%	(\$1,275)	(\$608,755)
May-15	(\$1,606,041)	\$101,218	(\$1,504,823)	(\$1,555,432)	2.54%	(\$3,292)	(\$1,508,116)	(\$3,312,122)	\$226,300	(\$3,085,822)	(\$3,198,972)	2.54%	(\$6,771)	(\$3,092,593)	(\$608,755)	\$13,816	(\$594,939)	(\$601,847)	2.54%	(\$1,274)	(\$596,213)
Jun-15	(\$1,508,116)	\$110,525	(\$1,397,590)	(\$1,452,853)	2.54%	(\$3,075)	(\$1,400,666)	(\$3,092,593)	\$245,550	(\$2,847,042)	(\$2,969,818)	2.54%	(\$6,286)	(\$2,853,328)	(\$596,213)	\$26,488	(\$569,725)	(\$582,969)	2.54%	(\$1,234)	(\$570,959)
Jul-15	(\$1,400,666)	\$139,274	(\$1,261,392)	(\$1,331,029)	2.54%	(\$2,817)	(\$1,264,209)	(\$2,853,328)	\$264,894	(\$2,588,434)	(\$2,720,881)	2.54%	(\$5,759)	(\$2,594,194)	(\$570,959)	\$25,717	(\$545,242)	(\$558,100)	2.54%	(\$1,181)	(\$546,423)
Aug-15	(\$1,264,209)	\$166,698	(\$1,097,511)	(\$1,180,860)	2.54%	(\$2,499)	(\$1,100,010)	(\$2,594,194)	\$293,545	(\$2,300,649)	(\$2,447,421)	2.54%	(\$5,180)	(\$2,305,829)	(\$546,423)	\$27,590	(\$518,833)	(\$532,628)	2.54%	(\$1,127)	(\$519,961)
Sep-15	(\$1,100,010)	\$166,242	(\$933,768)	(\$1,016,889)	2.54%	(\$2,152)	(\$935,920)	(\$2,305,829)	\$296,606	(\$2,009,223)	(\$2,157,526)	2.54%	(\$4,567)	(\$2,013,790)	(\$519,961)	\$26,840	(\$493,120)	(\$506,541)	2.54%	(\$1,072)	(\$494,193)
Oct-15	(\$935,920)	\$114,805	(\$821,115)	(\$878,518)	2.54%	(\$1,860)	(\$822,975)	(\$2,013,790)	\$234,363	(\$1,779,427)	(\$1,896,609)	2.54%	(\$4,014)	(\$1,783,442)	(\$494,193)	\$21,509	(\$472,684)	(\$483,438)	2.54%	(\$1,023)	(\$473,707)
Nov-15	(\$822,975)	\$98,330	(\$724,644)	(\$773,809)	2.54%	(\$1,638)	(\$726,282)	(\$1,783,442)	\$208,334	(\$1,575,107)	(\$1,679,274)	2.54%	(\$3,554)	(\$1,578,662)	(\$473,707)	\$18,525	(\$455,182)	(\$464,445)	2.54%	(\$983)	(\$456,165)
Dec-15	(\$726,282)	\$126,255	(\$600,027)	(\$663,155)	2.54%	(\$1,404)	(\$601,431)	(\$1,578,662)	\$240,034	(\$1,338,628)	(\$1,458,645)	2.54%	(\$3,087)	(\$1,341,716)	(\$456,165)	\$19,141	(\$437,024)	(\$446,595)	2.54%	(\$945)	(\$437,969)
Jan-16	(\$601,431)	\$132,876	(\$468,555)	(\$534,993)	2.54%	(\$1,132)	(\$469,687)	(\$1,341,716)	\$233,599	(\$1,108,117)	(\$1,224,916)	2.54%	(\$2,593)	(\$1,110,709)	(\$437,969)	\$15,088	(\$422,882)	(\$430,426)	2.54%	(\$911)	(\$423,793)
Feb-16	(\$469,687)	\$0	(\$469,687)	(\$469,687)	2.54%	(\$994)	(\$470,681)	(\$1,110,709)	\$0	(\$1,110,709)	(\$1,110,709)	2.54%	(\$2,351)	(\$1,113,060)	(\$423,793)	\$0	(\$423,793)	(\$423,793)	2.54%	(\$897)	(\$424,690)
Mar-16	(\$470,681)	\$0	(\$470,681)	(\$470,681)	2.14%	(\$839)	(\$471,521)	(\$1,113,060)	\$0	(\$1,113,060)	(\$1,113,060)	2.14%	(\$1,985)	(\$1,115,045)	(\$424,690)	\$0	(\$424,690)	(\$424,690)	2.14%	(\$757)	(\$425,447)
Apr-16	(\$471,521)		(\$471,521)	(\$471,521)	2.14%	(\$841)	(\$472,362)	(\$1,115,045)		(\$1,115,045)	(\$1,115,045)	2.14%	(\$1,989)	(\$1,117,034)	(\$425,447)		(\$425,447)	(\$425,447)	2.14%	(\$759)	(\$426,206)

**Column Notes:**

- (a) Column (g) of previous row  
Jan- 2014 beginning balances per RIPUC Docket No. 4485 Schedule JAL-2, page 2 column ( e)  
Jan 2015 beginning balances per RIPUC Docket No. 4554 Schedule JAL-2, pages 2-4 column (f)  
(b) Monthly revenue reports  
(c) Column (a) + Column (b)  
(d) (Column (a) + Column (c)) ÷ 2  
(e) Current Rate for Customer Deposits  
(f) [Column (d) x (Column (e)) ÷ 12]  
(g) Column (c) + Column (f)





**Schedule ASC-3**

**Calculation of Standard Offer Adjustment Factors**

**Standard Offer Service Reconciliation  
Calculation of SOS Adjustment Factors**

**Industrial Group SOS Adjustment Factor**

(1)	Industrial Group Over Recovery for the period January 1, 2015 through December 31, 2015	(\$4,753,787)
(2)	Interest During Refund Period	(\$80,175)
(3)	Total Industrial Group SOS Over Collection	(\$4,833,961)
(4)	forecasted Industrial Group SOS kWh for the period April 1, 2016 through March 31, 2017	338,642,847
(5)	Industrial Group SOS Adjustment Factor	(\$0.01427)

**Commercial Group SOS Adjustment Factor**

(6)	Commercial Group Under Recovery for the period January 1, 2015 through December 31, 2015	\$3,683,116
(7)	Interest During Recovery Period	\$62,117
(8)	Total Commercial Group SOS Under Collection	\$3,745,233
(9)	forecasted Commercial Group SOS kWh for the period April 1, 2016 through March 31, 2017	993,180,075
(10)	Commercial Group SOS Adjustment Factor	\$0.00377

**Residential Group SOS Adjustment Factor**

(11)	Residential Group Over Collection for the period January 1, 2015 through December 31, 2015	(\$8,944,821)
(12)	Interest During Refund Period	(\$150,858)
(13)	Total Residential Group SOS Over Collection	(\$9,095,679)
(14)	forecasted Residential Group SOS kWh for the period April 1, 2016 through March 31, 2017	2,752,764,881
(15)	Residential Group SOS Adjustment Factor	(\$0.00330)

Line Descriptions:

(1)	per Schedule ASC-2, Page 4 of 7	(9)	from Company forecast
(2)	from Page 2, column (5)	(10)	Line (8) ÷ Line (9), truncated to five decimal places
(3)	Line (1) + Line (2)	(11)	per Schedule ASC-2, Page 2 of 7
(4)	from Company forecast	(12)	from Page 2, column (5)
(5)	Line (3) ÷ Line (4), truncated to five decimal places	(13)	Line (11) + Line (12)
(6)	per Schedule ASC-2, Page 3 of 7	(14)	from Company forecast
(7)	from Page 2, column (5)	(15)	Line (13) ÷ Line (14), truncated to five decimal places
(8)	Line (6) + Line (7)		

Calculation of Interest During Recovery/Refund Period  
For the Standard Offer Service Over/Under Recovery Incurred During the Period Ending December 31, 2015

Residential						Commercial						Industrial					
Month	Beginning Balance	(Charge)/ Refund	Ending Balance	Interest Rate	Interest	Month	Beginning Balance	(Charge)/ Refund	Ending Balance	Interest Rate	Interest	Month	Beginning Balance	(Charge)/ Refund	Ending Balance	Interest Rate	Interest
	(1)	(2)	(3)	(4)	(5)		(1)	(2)	(3)	(4)	(5)		(1)	(2)	(3)	(4)	(5)
Jan-16	\$8,944,821		\$8,944,821	2.54%	\$18,933	Jan-16	(\$3,683,116)		(\$3,683,116)	2.54%	(\$7,796)	Jan-16	\$4,753,787		\$4,753,787	2.54%	\$10,062
Feb-16	\$8,963,754		\$8,963,754	2.54%	\$18,973	Feb-16	(\$3,690,912)		(\$3,690,912)	2.54%	(\$7,812)	Feb-16	\$4,763,849		\$4,763,849	2.54%	\$10,083
Mar-16	\$8,982,727		\$8,982,727	2.14%	\$16,019	Mar-16	(\$3,698,724)		(\$3,698,724)	2.14%	(\$6,596)	Mar-16	\$4,773,932		\$4,773,932	2.14%	\$8,514
Apr-16	\$8,998,746	\$749,896	\$8,248,851	2.14%	\$15,379	Apr-16	(\$3,705,320)	(\$308,777)	(\$3,396,544)	2.14%	(\$6,332)	Apr-16	\$4,782,446	\$398,537	\$4,383,909	2.14%	\$8,173
May-16	\$8,264,230	\$751,294	\$7,512,936	2.14%	\$14,068	May-16	(\$3,402,876)	(\$309,352)	(\$3,093,524)	2.14%	(\$5,793)	May-16	\$4,392,082	\$399,280	\$3,992,802	2.14%	\$7,477
Jun-16	\$7,527,004	\$752,700	\$6,774,304	2.14%	\$12,752	Jun-16	(\$3,099,316)	(\$309,932)	(\$2,789,385)	2.14%	(\$5,251)	Jun-16	\$4,000,278	\$400,028	\$3,600,251	2.14%	\$6,777
Jul-16	\$6,787,056	\$754,117	\$6,032,939	2.14%	\$11,431	Jul-16	(\$2,794,636)	(\$310,515)	(\$2,484,121)	2.14%	(\$4,707)	Jul-16	\$3,607,028	\$400,781	\$3,206,247	2.14%	\$6,075
Aug-16	\$6,044,370	\$755,546	\$5,288,824	2.14%	\$10,105	Aug-16	(\$2,488,827)	(\$311,103)	(\$2,177,724)	2.14%	(\$4,161)	Aug-16	\$3,212,322	\$401,540	\$2,810,782	2.14%	\$5,371
Sep-16	\$5,298,929	\$756,990	\$4,541,939	2.14%	\$8,775	Sep-16	(\$2,181,885)	(\$311,698)	(\$1,870,187)	2.14%	(\$3,613)	Sep-16	\$2,816,152	\$402,307	\$2,413,845	2.14%	\$4,663
Oct-16	\$4,550,714	\$758,452	\$3,792,262	2.14%	\$7,439	Oct-16	(\$1,873,800)	(\$312,300)	(\$1,561,500)	2.14%	(\$3,063)	Oct-16	\$2,418,508	\$403,085	\$2,015,424	2.14%	\$3,954
Nov-16	\$3,799,701	\$759,940	\$3,039,761	2.14%	\$6,099	Nov-16	(\$1,564,563)	(\$312,913)	(\$1,251,651)	2.14%	(\$2,511)	Nov-16	\$2,019,377	\$403,875	\$1,615,502	2.14%	\$3,241
Dec-16	\$3,045,859	\$761,465	\$2,284,394	2.14%	\$4,753	Dec-16	(\$1,254,162)	(\$313,540)	(\$940,621)	2.14%	(\$1,957)	Dec-16	\$1,618,743	\$404,686	\$1,214,057	2.14%	\$2,526
Jan-17	\$2,289,147	\$763,049	\$1,526,098	2.14%	\$3,402	Jan-17	(\$942,578)	(\$314,193)	(\$628,386)	2.14%	(\$1,401)	Jan-17	\$1,216,583	\$405,528	\$811,055	2.14%	\$1,808
Feb-17	\$1,529,500	\$764,750	\$764,750	2.14%	\$2,046	Feb-17	(\$629,786)	(\$314,893)	(\$314,893)	2.14%	(\$842)	Feb-17	\$812,863	\$406,432	\$406,432	2.14%	\$1,087
Mar-17	\$766,796	\$766,796	\$0	2.14%	\$684	Mar-17	(\$315,736)	(\$315,736)	\$0	2.14%	(\$282)	Mar-17	\$407,519	\$407,519	\$0	2.14%	\$363



**Schedule ASC-4**

**Calculation of Standard Offer Service  
Administrative Cost Factors**

**CALCULATION OF STANDARD OFFER SERVICE ADMINISTRATIVE COST FACTOR  
For the Twelve Months Ending March 31, 2017**

<u>Line No.</u>	<u>Total</u>	<u>Residential</u>	<u>Commercial</u>	<u>Industrial</u>
(1) Estimated Commodity Related Uncollectible Expense for 2016	\$4,157,819	\$2,884,209	\$1,025,831	\$247,779
(2) Estimated Other Administrative Expense for 2016	\$4,591,767	\$2,956,310	\$1,121,694	\$513,763
(3) Estimated Total Administrative Expense for 2016	\$8,749,586	\$5,840,519	\$2,147,525	\$761,542
(4) Forecasted SOS kWh for the 12 Months Ending March 31, 2017	4,084,587,802	2,752,764,881	993,180,075	338,642,847
(5) Estimated SOS Administrative Cost Factor		\$0.00212	\$0.00216	\$0.00224
(6) SOS Administrative Cost Reconciliation Adjustment Factor		\$0.00095	\$0.00082	\$0.00147
(7) SOS Administrative Cost Factor effective April 1, 2016		\$0.00307	\$0.00298	\$0.00371

Line Descriptions:

- (1) from Page 2, line (16)
- (2) fom Page 3, line (4)
- (3) Line 1 + Line 2
- (4) per Page 2, line (13)
- (5) Line 3 ÷ Line 4, truncated to 5 decimal places
- (6) per Schedule ASC-7, Page 1 Lines (15), (10) and (5)
- (7) Line (5) + Line (6)

**CALCULATION OF STANDARD OFFER SERVICE ADMINISTRATIVE COST FACTOR  
For the Twelve Months Ending March 31, 2017**

**Section 1: Estimated Commodity Cost/Revenue for April 1, 2016 through March 31, 2017**

Line No.		Residential Customer Group			Commercial Customer Group			Industrial Customer Group			Total Estimated SO Cost/Revenue (j)= (c) + (f) + (i)
		Estimated SO kWhs (a)	Estimated SO Rate (b)	Estimated SO Cost/Rev (c)=(a) x (b)	Estimated SO kWhs (d)	Estimated SO Rate (e)	Estimated SO Cost/Rev (f)=(d) x (e)	Estimated SO kWhs (g)	Estimated SO Rate (h)	Estimated SO Cost/Rev (i)=(g) x (h)	
(1)	Apr-2016	208,060,619	\$0.08382	\$17,439,641	76,255,125	\$0.08263	\$6,300,961	26,709,423	\$0.04252	\$1,135,685	\$24,876,287
(2)	May-2016	172,353,445	\$0.08382	\$14,446,666	70,672,457	\$0.08263	\$5,839,665	25,485,515	\$0.03702	\$943,474	\$21,229,805
(3)	Jun-2016	197,309,733	\$0.08382	\$16,538,502	81,107,523	\$0.08263	\$6,701,915	28,051,507	\$0.03907	\$1,095,972	\$24,336,389
(4)	Jul-2016	267,926,808	\$0.08382	\$22,457,625	91,377,031	\$0.08263	\$7,550,484	30,154,293	\$0.05466	\$1,648,234	\$31,656,343
(5)	Aug-2016	295,444,977	\$0.08382	\$24,764,198	95,994,314	\$0.08263	\$7,932,010	32,010,939	\$0.04759	\$1,523,401	\$34,219,609
(6)	Sep-2016	262,048,302	\$0.08382	\$21,964,889	94,659,600	\$0.08263	\$7,821,723	31,230,578	\$0.04138	\$1,292,321	\$31,078,933
(7)	Oct-2016	197,758,949	\$0.08382	\$16,576,155	79,858,333	\$0.08263	\$6,598,694	29,252,726	\$0.04290	\$1,254,942	\$24,429,791
(8)	Nov-2016	188,227,250	\$0.08382	\$15,777,208	77,261,283	\$0.08263	\$6,384,100	27,305,386	\$0.05868	\$1,602,280	\$23,763,588
(9)	Dec-2016	225,728,719	\$0.08382	\$18,920,581	79,588,419	\$0.08263	\$6,576,391	27,020,524	\$0.08882	\$2,399,963	\$27,896,935
(10)	Jan-2017	253,240,368	\$0.08382	\$21,226,608	79,607,319	\$0.08263	\$6,577,953	26,628,670	\$0.09539	\$2,540,109	\$30,344,669
(11)	Feb-2017	252,639,388	\$0.08382	\$21,176,234	85,047,155	\$0.08263	\$7,027,446	28,091,412	\$0.09294	\$2,610,816	\$30,814,496
(12)	Mar-2017	232,026,322	\$0.08382	\$19,448,446	81,751,516	\$0.08263	\$6,755,128	26,701,872	\$0.06648	\$1,775,140	\$27,978,715
(13)	Total	2,752,764,881		\$230,736,752	993,180,075		\$82,066,470	338,642,847		\$19,822,337	\$332,625,558

**Section 2: Estimated Commodity-Related Uncollectible Expense for April 1, 2016 through March 31, 2017**

(14)	Estimated Rate Year Cost/Revenue	\$230,736,752		\$82,066,470		\$19,822,337	\$332,625,558
(15)	Uncollectible Rate	1.25%		1.25%		1.25%	
(16)	Rate Year Commodity-Related Uncollectible	\$2,884,209		\$1,025,831		\$247,779	\$4,157,819

**Section 1:**

Columns (a), (d) and (g), Lines (1) through (12) = Company kWh forecast x percentage of January 2016 Standard Offer kWh deliveries

Column (b): the sum of the April 1, 2016 base Standard Offer rate of 8.418¢, the estimated 2016 RPS rate of 0.294¢, and the proposed SOS Adjustment charge of (0.330¢)

Column (e): the sum of the April 1, 2016 base Standard Offer rate of 7.592¢, the estimated 2016 RPS rate of 0.294¢, and the proposed SOS Adjustment charge of 0.377¢

Column (h): the sum of the estimated SOS Base charges, the estimated 2016 RPS of 0.294¢, and the proposed SOS Adjustment charge of (1.427¢). The Apr-2016 through Mar-2017 estimated SOS Base charges are based on the actual Apr-2015 through Mar-2016 SOS base charges

**Section 2:**

(14) Line (13)

(15) SOS uncollectible rate approved in Docket No. 4323

(16) Line (14) x Line (15)

**CALCULATION OF STANDARD OFFER SERVICE ADMINISTRATIVE COST FACTOR**  
**For the Twelve Months Ending March 31, 2017**

	Total	Residential	Commercial	Industrial
(1) Estimated GIS Cost	\$44,331	\$28,808	\$11,200	\$4,323
(2) Estimated CWC	\$3,639,622	\$2,335,109	\$873,375	\$431,138
(3) Estimate of Other Administrative Costs	<u>\$907,815</u>	<u>\$592,393</u>	<u>\$237,119</u>	<u>\$78,303</u>
(4) Total Other Administrative Expenses	\$4,591,767	\$2,956,310	\$1,121,694	\$513,763

Line Descriptions:

- (1) from Schedule ASC-5, Page 4, column (g), Schedule ASC-5, Page 5, column (g) and Schedule ASC-5, Page 6, column (g)
- (2) from Schedule ASC-5, Page 4, column (h), Schedule ASC-5, Page 5, column (h) and Schedule ASC-5, Page 6, column (h)
- (3) from Schedule ASC-5, Page 4, column (i), Schedule ASC-5, Page 5, column (i) and Schedule ASC-5, Page 6, column (i)
- (4) Line (1) + Line (2) + Line (3)





**Schedule ASC-5**

**Standard Offer Service Administrative  
Cost Adjustment Reconciliation for the Period  
January 2015 through December 2015**

**STANDARD OFFER SERVICE ADMINISTRATIVE COST ADJUSTMENT RECONCILIATION**  
**For the Period January 1, 2015 through December 31, 2015**

**BASE RECONCILIATION - ALL CUSTOMER GROUPS**

Month	Over/(Under) Beginning Balance (a)	SOS Admin. Cost Revenue (b)	SOS Admin. Cost Expense (c)	Monthly Over/(Under) (d)	Over/(Under) Ending Balance (e)
(1) Jan-15	\$0	\$297,027	\$722,687	(\$425,660)	(\$425,660)
Feb-15	(\$425,660)	\$644,876	\$1,123,043	(\$478,167)	(\$903,827)
Mar-15	(\$903,827)	\$583,445	\$1,011,232	(\$427,786)	(\$1,331,613)
Apr-15	(\$1,331,613)	\$530,827	\$862,776	(\$331,949)	(\$1,663,562)
May-15	(\$1,663,562)	\$463,455	\$744,477	(\$281,022)	(\$1,944,584)
Jun-15	(\$1,944,584)	\$510,858	\$773,412	(\$262,553)	(\$2,207,138)
Jul-15	(\$2,207,138)	\$596,596	\$857,166	(\$260,570)	(\$2,467,707)
Aug-15	(\$2,467,707)	\$690,438	\$927,296	(\$236,858)	(\$2,704,565)
Sep-15	(\$2,704,565)	\$690,260	\$919,764	(\$229,503)	(\$2,934,069)
Oct-15	(\$2,934,069)	\$501,831	\$763,473	(\$261,642)	(\$3,195,710)
Nov-15	(\$3,195,710)	\$434,583	\$716,980	(\$282,397)	(\$3,478,107)
Dec-15	(\$3,478,107)	\$529,744	\$821,901	(\$292,157)	(\$3,770,264)
(2) Jan-16	(\$3,770,264)	\$302,047	\$249,723	\$52,324	(\$3,717,941)

Adjustments

(3) Remaining Balance from Over(Under) Recovery incurred during 2013	(\$101,244)
Ending Balance Prior to Application of Interest	<u>(\$3,819,184)</u>
(4) Interest	(\$47,899)
Ending Balance Including Interest	<u><u>(\$3,867,083)</u></u>

- (1) Reflects revenues based on kWhs consumed after January 1  
(2) Reflects revenues based on kWhs consumed prior to January 1  
(3) Sum of final values on Page 2, line (1), columns (e)  
(4)  $[(\text{Beginning Balance} + \text{Ending Balance}) \div 2] \times [(2.35\% \times 2/12) + (2.54\% \times 10/12)]$

Column Notes:

Column (a) Column (e) from previous row  
Column (b) per page 2, sum of column (b) for Residential, Commercial and Industrial customer groups  
Column (c) per page 2, sum of column (c) for Residential, Commercial and Industrial customer groups  
Column (d) Column (b) - Column (c)  
Column (e) Column (a) + Column (d)

**STANDARD OFFER SERVICE ADMINISTRATIVE COST ADJUSTMENT RECONCILIATION**  
**For the Period January 1, 2015 through December 31, 2015**

**Reconciliation By Customer Group**

Residential						Commercial						Industrial					
	Over/(Under) Beginning Balance	Revenue	Expense	Monthly Over/(Under)	Over/(Under) Ending Balance	Over/(Under) Beginning Balance	Revenue	Expense	Monthly Over/(Under)	Over/(Under) Ending Balance	Over/(Under) Beginning Balance	Revenue	Expense	Monthly Over/(Under)	Over/(Under) Ending Balance		
Month	(a)	(b)	(c)	(d)	(e)	(a)	(b)	(c)	(d)	(e)	(a)	(b)	(c)	(d)	(e)		
Jan-15	\$0	\$187,703	\$407,614	(\$219,911)	(\$219,911)	\$0	\$73,778	\$204,472	(\$130,693)	(\$130,693)	\$0	\$35,546	\$110,601	(\$75,055)	(\$75,055)		
Feb-15	(\$219,911)	\$413,138	\$619,142	(\$206,004)	(\$425,916)	(\$130,693)	\$153,584	\$295,420	(\$141,836)	(\$272,529)	(\$75,055)	\$78,154	\$208,481	(\$130,327)	(\$205,382)		
Mar-15	(\$425,916)	\$375,126	\$590,855	(\$215,729)	(\$641,644)	(\$272,529)	\$147,036	\$264,842	(\$117,806)	(\$390,335)	(\$205,382)	\$61,283	\$155,534	(\$94,251)	(\$299,633)		
Apr-15	(\$641,644)	\$326,808	\$541,433	(\$214,625)	(\$856,269)	(\$390,335)	\$142,914	\$218,360	(\$75,446)	(\$465,781)	(\$299,633)	\$61,105	\$102,983	(\$41,879)	(\$341,512)		
May-15	(\$856,269)	\$265,735	\$482,986	(\$217,251)	(\$1,073,520)	(\$465,781)	\$132,990	\$184,596	(\$51,606)	(\$517,388)	(\$341,512)	\$64,730	\$76,894	(\$12,165)	(\$353,677)		
Jun-15	(\$1,073,520)	\$294,906	\$507,602	(\$212,696)	(\$1,286,216)	(\$517,388)	\$145,399	\$190,385	(\$44,985)	(\$562,373)	(\$353,677)	\$70,553	\$75,425	(\$4,872)	(\$358,549)		
Jul-15	(\$1,286,216)	\$372,184	\$578,150	(\$205,967)	(\$1,492,183)	(\$562,373)	\$156,834	\$200,291	(\$43,458)	(\$605,831)	(\$358,549)	\$67,579	\$78,724	(\$11,145)	(\$369,694)		
Aug-15	(\$1,492,183)	\$445,483	\$640,967	(\$195,484)	(\$1,687,667)	(\$605,831)	\$173,810	\$204,216	(\$30,407)	(\$636,237)	(\$369,694)	\$71,145	\$82,113	(\$10,968)	(\$380,661)		
Sep-15	(\$1,687,667)	\$444,279	\$639,900	(\$195,621)	(\$1,883,288)	(\$636,237)	\$175,423	\$201,690	(\$26,266)	(\$662,504)	(\$380,661)	\$70,558	\$78,174	(\$7,615)	(\$388,277)		
Oct-15	(\$1,883,288)	\$306,557	\$517,437	(\$210,880)	(\$2,094,168)	(\$662,504)	\$138,767	\$176,676	(\$37,908)	(\$700,412)	(\$388,277)	\$56,507	\$69,360	(\$12,854)	(\$401,131)		
Nov-15	(\$2,094,168)	\$262,593	\$478,091	(\$215,498)	(\$2,309,666)	(\$700,412)	\$123,324	\$171,277	(\$47,953)	(\$748,365)	(\$401,131)	\$48,666	\$67,611	(\$18,945)	(\$420,076)		
Dec-15	(\$2,309,666)	\$337,324	\$544,253	(\$206,929)	(\$2,516,595)	(\$748,365)	\$142,133	\$201,529	(\$59,396)	(\$807,761)	(\$420,076)	\$50,286	\$76,119	(\$25,832)	(\$445,908)		
Jan-16	(\$2,516,595)	\$201,205	\$178,019	\$23,186	(\$2,493,409)	(\$807,761)	\$78,395	\$52,716	\$25,680	(\$782,081)	(\$445,908)	\$22,446	\$18,989	\$3,458	(\$442,451)		
<u>Adjustments</u>						<u>Adjustments</u>						<u>Adjustments</u>					
(1)	Remaining Balance from Over(Under) Recovery incurred during 2013				(\$46,609)	Remaining Balance from Over(Under) Recovery incurred during 2013				(\$11,185)	Remaining Balance from Over(Under) Recovery incurred during 2013				(\$43,450)		
	Ending Balance Prior to Application of Interest				(\$2,540,018)	Ending Balance Prior to Application of Interest				(\$793,266)	Ending Balance Prior to Application of Interest				(\$485,900)		
(2)	Interest				(\$31,856)	Interest				(\$9,949)	Interest				(\$6,094)		
(3)	Ending Balance Including Interest				(\$2,571,874)	Ending Balance Including Interest				(\$803,215)	Ending Balance Including Interest				(\$491,994)		

Column Notes:

- (a) Column (e) from previous row
- (b) Per page 3 column (c) for Residential, Commercial and Industrial customer groups
- (c) Per page 4 column (j), page 5 column (j) , page 6 column (j)
- (d) Column (b) - Column (c)
- (e) Column (a) + Column (d)

Line Notes:

- (1) Sum of final values on Page 7, Section 1, columns (g)
- (2) [(beginning balance + ending balance) ÷ 2] x [(2.35% x 2/12) + (2.54% x 10/12)]
- (3) Ending Balance + Line (2)

**STANDARD OFFER SERVICE ADMINISTRATIVE COST ADJUSTMENT RECONCILIATION**  
**For the Period January 1, 2015 through December 31, 2015**

<u>Revenue</u>										
Residential			Commercial			Industrial			Grand Total	
	Total	SOS Admin. Cost		SOS Admin. Cost			SOS Admin. Cost		SOS Admin. Cost	
	Revenue	Reconciliation		Reconciliation			Reconciliation		SOS Admin.	
		Adjustment		Adjustment			Adjustment		Cost	
	Revenue	Factor Revenue		Factor Revenue			Factor Revenue		Revenue	
	(a)	(b)	(c)	(a)	(b)	(c)	(a)	(b)	(c)	(d)
(1) Jan-15	\$195,262	\$7,559	\$187,703	\$79,154	\$5,376	\$73,778	\$41,174	\$5,629	\$35,546	\$297,027
Feb-15	\$429,774	\$16,636	\$413,138	\$164,775	\$11,191	\$153,584	\$90,528	\$12,374	\$78,154	\$644,876
Mar-15	\$390,233	\$15,107	\$375,126	\$157,755	\$10,718	\$147,036	\$70,986	\$9,703	\$61,283	\$583,445
Apr-15	\$321,057	(\$5,751)	\$326,808	\$145,048	\$2,134	\$142,914	\$69,913	\$8,809	\$61,105	\$530,827
May-15	\$242,261	(\$23,474)	\$265,735	\$126,618	(\$6,372)	\$132,990	\$72,779	\$8,049	\$64,730	\$463,455
Jun-15	\$268,828	(\$26,078)	\$294,906	\$138,435	(\$6,965)	\$145,399	\$79,205	\$8,652	\$70,553	\$510,858
Jul-15	\$339,269	(\$32,915)	\$372,184	\$149,318	(\$7,515)	\$156,834	\$75,863	\$8,284	\$67,579	\$596,596
Aug-15	\$406,083	(\$39,400)	\$445,483	\$165,483	(\$8,326)	\$173,810	\$79,861	\$8,715	\$71,145	\$690,438
Sep-15	\$404,977	(\$39,302)	\$444,279	\$167,017	(\$8,406)	\$175,423	\$79,208	\$8,649	\$70,558	\$690,260
Oct-15	\$279,441	(\$27,116)	\$306,557	\$132,120	(\$6,648)	\$138,767	\$63,433	\$6,927	\$56,507	\$501,831
Nov-15	\$239,375	(\$23,218)	\$262,593	\$117,415	(\$5,909)	\$123,324	\$54,631	\$5,966	\$48,666	\$434,583
Dec-15	\$307,492	(\$29,832)	\$337,324	\$135,324	(\$6,809)	\$142,133	\$56,451	\$6,164	\$50,286	\$529,744
(2) Jan-16	\$183,412	(\$17,793)	\$201,205	\$74,640	(\$3,756)	\$78,395	\$25,198	\$2,751	\$22,446	\$302,047
Totals	\$4,007,465	(\$225,577)	\$4,233,042	\$1,753,102	(\$31,286)	\$1,784,388	\$859,229	\$100,672	\$758,557	\$6,775,987

- (1) Reflects revenue based on kWhs consumed after January 1  
(2) Reflects revenue based on kWhs consumed prior to January 1

Column Notes:

- (a) Monthly revenue reports  
(b) Per Page 7, column (b)  
(c) Column (a) - column (b)  
(d) Residential column (c) + Commercial column (c) + Industrial column (c)

**STANDARD OFFER SERVICE ADMINISTRATIVE COST ADJUSTMENT**  
**For the Period January 1, 2015 through December 31, 2015**

**Residential Group Expense**

<b>Standard Offer Service Revenue/Renewable Energy Standard Revenue</b>										
<u>Month</u>	<u>SOS Base Revenue</u> (a)	<u>SOS Adj. Factor Revenue</u> (b)	<u>SOS Admin. Cost Adj Revenue</u> (c)	<u>Renewable Energy Standard Revenue</u> (d)	<u>Total SOS Revenue</u> (e)	<u>Uncollectible Expense</u> (f)	<u>GIS</u> (g)	<u>Cash Working Capital</u> (h)	<u>Other Admin</u> (i)	<u>Total</u> (j)
(1) Jan-15	\$11,995,249	\$215,434	\$195,262	\$604,729	\$13,010,673	\$162,633	\$1,022	\$194,592	\$49,366	\$407,614
Feb-15	\$27,568,166	\$474,081	\$429,774	\$1,330,927	\$29,802,949	\$372,537	\$2,647	\$194,592	\$49,366	\$619,142
Mar-15	\$25,544,905	\$430,403	\$390,233	\$1,208,463	\$27,574,004	\$344,675	\$2,222	\$194,592	\$49,366	\$590,855
Apr-15	\$22,102,859	\$276,893	\$321,057	\$893,463	\$23,594,272	\$294,928	\$2,546	\$194,592	\$49,366	\$541,433
May-15	\$18,099,219	\$101,218	\$242,261	\$534,044	\$18,976,743	\$237,209	\$1,819	\$194,592	\$49,366	\$482,986
Jun-15	\$19,970,393	\$110,525	\$268,828	\$590,113	\$20,939,859	\$261,748	\$1,895	\$194,592	\$49,366	\$507,602
Jul-15	\$25,119,977	\$139,274	\$339,269	\$744,408	\$26,342,928	\$329,287	\$4,905	\$194,592	\$49,366	\$578,150
Aug-15	\$30,067,323	\$166,698	\$406,083	\$890,957	\$31,531,061	\$394,138	\$2,870	\$194,592	\$49,366	\$640,967
Sep-15	\$29,983,901	\$166,242	\$404,977	\$888,454	\$31,443,574	\$393,045	\$2,897	\$194,592	\$49,366	\$639,900
Oct-15	\$20,685,232	\$114,805	\$279,441	\$613,357	\$21,692,835	\$271,160	\$2,318	\$194,592	\$49,366	\$517,437
Nov-15	\$17,721,509	\$98,330	\$239,375	\$525,301	\$18,584,516	\$232,306	\$1,826	\$194,592	\$49,366	\$478,091
Dec-15	\$22,767,827	\$126,255	\$307,492	\$674,751	\$23,876,325	\$298,454	\$1,841	\$194,592	\$49,366	\$544,253
(2) Jan-16	\$13,580,415	\$75,290	\$183,412	\$402,402	\$14,241,519	\$178,019				\$178,019
Totals	\$285,206,974	\$2,495,449	\$4,007,465	\$9,901,369	\$301,611,257	\$3,770,141	\$28,808	\$2,335,109	\$592,393	\$6,726,451

(1) Reflects revenue based on kWhs consumed after January 1  
(2) Reflects revenue based on kWhs consumed prior to January 1

Column Notes:

Column (a) Per Schedule ASC-2, page 2, column (b) for the Residential Group  
Column (b) Per Schedule ASC-2, page 7, Section 1, column (b) for the Residential Group  
Column (c) Per Page 3, Column (a) for the Residential Group  
Column (d) Per monthly revenue reports  
Column (e) Column (a) + column (b) + column (c) + column (d)  
Column (f) Column (e) x approved uncollectible rate of 1.25%  
Column (g) From ISO monthly bill allocated to rate groups based on actual SOS revenue  
Column (h) Schedule ASC-6  
Column (i) per Company accounting records  
Column (j) Column (f) + column (g) + column (h) + column (i)

**STANDARD OFFER SERVICE ADMINISTRATIVE COST ADJUSTMENT**  
**For the Period January 1, 2015 through December 31, 2015**

**Commercial Group Expense**

<b>Standard Offer Service/Renewable Energy Standard Revenue</b>						<b>Uncollectible Expense</b>	<b>GIS</b>	<b>Cash Working Capital</b>	<b>Other Admin</b>	<b>Total</b>
<b>Month</b>	<b>SOS Base Revenue</b>	<b>SOS Adj. Factor Revenue</b>	<b>SOS Admin. Cost Adj Revenue</b>	<b>Renewable Energy Standard Revenue</b>	<b>Total SOS Revenue</b>					
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
(1) Jan-15	\$8,426,462	\$180,769	\$79,154	\$234,550	\$8,920,935	\$111,512	\$419	\$72,781	\$19,760	\$204,472
Feb-15	\$15,115,922	\$376,329	\$164,775	\$488,240	\$16,145,265	\$201,816	\$1,063	\$72,781	\$19,760	\$295,420
Mar-15	\$12,722,195	\$360,259	\$157,755	\$467,477	\$13,707,686	\$171,346	\$955	\$72,781	\$19,760	\$264,842
Apr-15	\$9,165,752	\$302,692	\$145,048	\$367,079	\$9,980,571	\$124,757	\$1,062	\$72,781	\$19,760	\$218,360
May-15	\$6,701,064	\$226,300	\$126,618	\$238,422	\$7,292,405	\$91,155	\$900	\$72,781	\$19,760	\$184,596
Jun-15	\$7,118,716	\$245,550	\$138,435	\$255,805	\$7,758,507	\$96,981	\$862	\$72,781	\$19,760	\$190,385
Jul-15	\$7,802,955	\$264,894	\$149,318	\$276,539	\$8,493,706	\$106,171	\$1,579	\$72,781	\$19,760	\$200,291
Aug-15	\$8,093,924	\$293,545	\$165,483	\$306,039	\$8,858,991	\$110,737	\$938	\$72,781	\$19,760	\$204,216
Sep-15	\$7,879,488	\$296,606	\$167,017	\$309,604	\$8,652,715	\$108,159	\$989	\$72,781	\$19,760	\$201,690
Oct-15	\$6,046,287	\$234,363	\$132,120	\$244,420	\$6,657,190	\$83,215	\$920	\$72,781	\$19,760	\$176,676
Nov-15	\$5,694,101	\$208,334	\$117,415	\$217,033	\$6,236,883	\$77,961	\$775	\$72,781	\$19,760	\$171,277
Dec-15	\$8,034,316	\$240,034	\$135,324	\$250,259	\$8,659,934	\$108,249	\$739	\$72,781	\$19,760	\$201,529
(2) Jan-16	\$3,872,290	\$132,361	\$74,640	\$137,955	\$4,217,245	\$52,716				\$52,716
Totals	\$106,673,473	\$3,362,035	\$1,753,102	\$3,793,422	\$115,582,032	\$1,444,775	\$11,200	\$873,375	\$237,119	\$2,566,470

- (1) Reflects revenue based on kWhs consumed after January 1  
(2) Reflects revenue based on kWhs consumed prior to January 1

Column Notes:

- Column (a) Per Schedule ASC-2, page 2, column (b) for the Commercial Group  
Column (b) Per Schedule ASC-2, page 7, Section 1, column (b) for the Commercial Group  
Column (c) Per Page 3, Column (a) for the Commercial Group  
Column (d) Per monthly revenue reports  
Column (e) Column (a) + column (b) + column (c) + column (d)  
Column (f) Column (e) x approved uncollectible rate of 1.25%  
Column (g) From ISO monthly bill allocated to rate groups based on actual SOS revenue  
Column (h) Schedule ASC-6  
Column (i) per Company accounting records  
Column (j) Column (f) + column (g) + column (h) + column (i)

**STANDARD OFFER SERVICE ADMINISTRATIVE COST ADJUSTMENT RECONCILIATION**  
**For the Period January 1, 2015 through December 31, 2015**

**Industrial Group Expense**

<b>Standard Offer Service/Renewable Energy Standard Revenue</b>										
<u>Month</u>	<u>SOS Base Revenue</u> (a)	<u>SOS Adj Factor Revenue</u> (b)	<u>SOS Admin. Cost Adj. Revenue</u> (c)	<u>Renewable Energy Standard Revenue</u> (d)	<u>Total SOS &amp; RES Revenue</u> (e)	<u>Uncollectible Expense</u> (f)	<u>GIS</u> (g)	<u>CWC</u> (h)	<u>Other Admin</u> (i)	<u>Total</u> (j)
Jan-15	\$5,353,338	(\$106,637)	\$41,174	\$142,183	\$5,430,058	\$67,876	\$272	\$35,928	\$6,525	\$110,601
Feb-15	\$13,066,985	(\$234,461)	\$90,528	\$312,614	\$13,235,666	\$165,446	\$582	\$35,928	\$6,525	\$208,481
Mar-15	\$8,872,490	(\$183,848)	\$70,986	\$245,131	\$9,004,759	\$112,559	\$521	\$35,928	\$6,525	\$155,534
Apr-15	\$4,660,588	(\$101,413)	\$69,913	\$193,466	\$4,822,554	\$60,282	\$248	\$35,928	\$6,525	\$102,983
May-15	\$2,525,149	\$13,816	\$72,779	\$129,511	\$2,741,255	\$34,266	\$175	\$35,928	\$6,525	\$76,894
Jun-15	\$2,376,950	\$26,488	\$79,205	\$134,051	\$2,616,694	\$32,709	\$263	\$35,928	\$6,525	\$75,425
Jul-15	\$2,615,048	\$25,717	\$75,863	\$128,186	\$2,844,814	\$35,560	\$710	\$35,928	\$6,525	\$78,724
Aug-15	\$2,901,066	\$27,590	\$79,861	\$134,627	\$3,143,144	\$39,289	\$370	\$35,928	\$6,525	\$82,113
Sep-15	\$2,587,484	\$26,840	\$79,208	\$133,844	\$2,827,376	\$35,342	\$378	\$35,928	\$6,525	\$78,174
Oct-15	\$1,932,501	\$21,509	\$63,433	\$107,180	\$2,124,624	\$26,558	\$349	\$35,928	\$6,525	\$69,360
Nov-15	\$1,826,663	\$18,525	\$54,631	\$92,308	\$1,992,127	\$24,902	\$256	\$35,928	\$6,525	\$67,611
Dec-15	\$2,506,411	\$19,141	\$56,451	\$95,382	\$2,677,384	\$33,467	\$198	\$35,928	\$6,525	\$76,119
Jan-16	\$1,442,763	\$8,549	\$25,198	\$42,572	\$1,519,081	\$18,989				\$18,989
Totals	\$52,667,435	(\$438,184)	\$859,229	\$1,891,056	\$54,979,536	\$687,244	\$4,323	\$431,138	\$78,303	\$1,201,008

Column Notes:

- Column (a) Per Schedule ASC-2, page 2, column (b) for the Industrial Group
- Column (b) Per Schedule ASC-2, page 7, Section 1, column (b) for the Industrial Group
- Column (c) Per Page 3, Column (a) for the Industrial Group
- Column (d) Per monthly revenue reports
- Column (e) Column (a) + column (b) + column (c) + column (d)
- Column (f) Column (e) x approved uncollectible rate of 1.25%
- Column (g) From ISO monthly bill allocated to rate groups based on actual SOS revenue
- Column (h) Schedule ASC-6
- Column (i) per Company accounting records
- Column (j) Column (f) + column (g) + column (h) + column (i)



STANDARD OFFER SERVICE ADMINISTRATIVE COST ADJUSTMENT RECONCILIATION  
For the Period January 1, 2015 through December 31, 2015

Standard Offer Service Administrative Cost Adjustment Prior Period Over/(Under) Recovery

Section 1

**Reconciliation Period:** January 2013 through December 2013  
**Recovery Period:** April 2014 through March 2015  
**Beginning Balance:** Schedule JAL-2, Page 2, Docket No. 4485

Residential							Commercial							Industrial									
Month	Over(Under)	Charge (Refund)	Ending Balance	Interest Balance	Interest Rate	Interest	Over/(Under)	Over(Under)	Charge (Refund)	Ending Balance	Interest Balance	Interest Rate	Interest	Over/(Under)	Over(Under)	Charge (Refund)	Ending Balance	Interest Balance	Interest Rate	Interest	Over/(Under)		
	Beginning Balance						Ending Recovery w/ Interest							Beginning Balance							Ending Recovery w/ Interest	Beginning Balance	Ending Recovery w/ Interest
	(a)						(g)							(a)							(g)	(a)	(g)
Jan-14	(\$213,431)		(\$213,431)	(\$213,431)	1.80%	(\$320)	(\$213,751)	(\$144,736)		(\$144,736)	(\$144,736)	1.80%	(\$217)	(\$144,953)	(\$195,559)		(\$195,559)	(\$195,559)	1.80%	(\$293)	(\$195,852)		
Feb-14	(\$213,751)		(\$213,751)	(\$213,751)	1.80%	(\$321)	(\$214,072)	(\$144,953)		(\$144,953)	(\$144,953)	1.80%	(\$217)	(\$145,171)	(\$195,852)		(\$195,852)	(\$195,852)	1.80%	(\$294)	(\$196,146)		
Mar-14	(\$214,072)		(\$214,072)	(\$214,072)	2.35%	(\$419)	(\$214,491)	(\$145,171)		(\$145,171)	(\$145,171)	2.35%	(\$284)	(\$145,455)	(\$196,146)		(\$196,146)	(\$196,146)	2.35%	(\$384)	(\$196,530)		
Apr-14	(\$214,491)	\$5,714	(\$208,777)	(\$211,634)	2.35%	(\$414)	(\$209,191)	(\$145,455)	\$4,754	(\$140,701)	(\$143,078)	2.35%	(\$280)	(\$140,981)	(\$196,530)	\$6,310	(\$190,220)	(\$193,375)	2.35%	(\$379)	(\$190,599)		
May-14	(\$209,191)	\$12,064	(\$197,128)	(\$203,160)	2.35%	(\$398)	(\$197,526)	(\$140,981)	\$10,899	(\$130,082)	(\$135,532)	2.35%	(\$265)	(\$130,347)	(\$190,599)	\$13,632	(\$176,967)	(\$183,783)	2.35%	(\$360)	(\$177,326)		
Jun-14	(\$197,526)	\$11,503	(\$186,022)	(\$191,774)	2.35%	(\$376)	(\$186,398)	(\$130,347)	\$10,715	(\$119,632)	(\$124,990)	2.35%	(\$245)	(\$119,877)	(\$177,326)	\$12,910	(\$164,416)	(\$170,871)	2.35%	(\$335)	(\$164,751)		
Jul-14	(\$186,398)	\$15,641	(\$170,757)	(\$178,577)	2.35%	(\$350)	(\$171,107)	(\$119,877)	\$12,444	(\$107,433)	(\$113,655)	2.35%	(\$223)	(\$107,655)	(\$164,751)	\$13,497	(\$151,254)	(\$158,003)	2.35%	(\$309)	(\$151,564)		
Aug-14	(\$171,107)	\$17,027	(\$154,079)	(\$162,593)	2.35%	(\$318)	(\$154,398)	(\$107,655)	\$12,974	(\$94,681)	(\$101,168)	2.35%	(\$198)	(\$94,879)	(\$151,564)	\$16,355	(\$135,208)	(\$143,386)	2.35%	(\$281)	(\$135,489)		
Sep-14	(\$154,398)	\$15,528	(\$138,870)	(\$146,634)	2.35%	(\$287)	(\$139,157)	(\$94,879)	\$12,401	(\$82,478)	(\$88,679)	2.35%	(\$174)	(\$82,652)	(\$135,489)	\$14,178	(\$121,311)	(\$128,400)	2.35%	(\$251)	(\$121,563)		
Oct-14	(\$139,157)	\$12,083	(\$127,074)	(\$133,115)	2.35%	(\$261)	(\$127,334)	(\$82,652)	\$10,685	(\$71,967)	(\$77,309)	2.35%	(\$151)	(\$72,118)	(\$121,563)	\$13,248	(\$108,314)	(\$114,939)	2.35%	(\$225)	(\$108,539)		
Nov-14	(\$127,334)	\$11,931	(\$115,404)	(\$121,369)	2.35%	(\$238)	(\$115,641)	(\$72,118)	\$10,945	(\$61,173)	(\$66,646)	2.35%	(\$131)	(\$61,304)	(\$108,539)	\$12,867	(\$95,673)	(\$102,106)	2.35%	(\$200)	(\$95,873)		
Dec-14	(\$115,641)	\$14,507	(\$101,135)	(\$108,388)	2.35%	(\$212)	(\$101,347)	(\$61,304)	\$11,477	(\$49,827)	(\$55,565)	2.35%	(\$109)	(\$49,936)	(\$95,873)	\$13,970	(\$81,902)	(\$88,887)	2.35%	(\$174)	(\$82,076)		
Jan-15	(\$101,347)	\$16,376	(\$84,971)	(\$93,159)	2.35%	(\$182)	(\$85,153)	(\$49,936)	\$11,645	(\$38,291)	(\$44,113)	2.35%	(\$86)	(\$38,377)	(\$82,076)	\$12,193	(\$69,884)	(\$75,980)	2.35%	(\$149)	(\$70,033)		
Feb-15	(\$85,153)	\$16,636	(\$68,517)	(\$76,835)	2.35%	(\$150)	(\$68,668)	(\$38,377)	\$11,191	(\$27,186)	(\$32,782)	2.35%	(\$64)	(\$27,250)	(\$70,033)	\$12,374	(\$57,658)	(\$63,845)	2.35%	(\$125)	(\$57,783)		
Mar-15	(\$68,668)	\$15,107	(\$53,561)	(\$61,114)	2.14%	(\$109)	(\$53,670)	(\$27,250)	\$10,718	(\$16,532)	(\$21,891)	2.14%	(\$39)	(\$16,571)	(\$57,783)	\$9,703	(\$48,080)	(\$52,932)	2.14%	(\$94)	(\$48,175)		
Apr-15	(\$53,670)	\$7,150	(\$46,520)	(\$50,095)	2.14%	(\$89)	(\$46,609)	(\$16,571)	\$5,411	(\$11,160)	(\$13,865)	2.14%	(\$25)	(\$11,185)	(\$48,175)	\$4,806	(\$43,368)	(\$45,771)	2.14%	(\$82)	(\$43,450)		

Section 2

**Reconciliation Period:** January 2014 through December 2014  
**Recovery Period:** April 2015 through March 2016  
**Beginning Balance:** Schedule JAL-5, Page 2, Docket No. 4554

Residential							Commercial							Industrial								
	Over(Under)					Over/(Under)		Over(Under)						Over/(Under)		Over(Under)						Over/(Under)
Month	Beginning Balance	Charge (Refund)	Ending Balance	Interest Balance	Interest Rate	Interest	Recovery w/ Interest	Beginning Balance	Charge (Refund)	Ending Balance	Interest Balance	Interest Rate	Interest	Recovery w/ Interest	Beginning Balance	Charge (Refund)	Ending Balance	Interest Balance	Interest Rate	Interest	Recovery w/ Interest	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(a)	(b)	(c)	(d)	(e)	(f)	(g)	
Jan-15	\$395,165		\$395,165	\$395,165	2.35%	\$774	\$395,939	\$102,488		\$102,488	\$102,488	2.35%	\$201	\$102,689	(\$196,687)		(\$196,687)	(\$196,687)	2.35%	(\$385)	(\$197,072)	
Feb-15	\$395,939		\$395,939	\$395,939	2.35%	\$775	\$396,714	\$102,689		\$102,689	\$102,689	2.35%	\$201	\$102,890	(\$197,072)		(\$197,072)	(\$197,072)	2.35%	(\$386)	(\$197,458)	
Mar-15	\$396,714		\$396,714	\$396,714	2.54%	\$840	\$397,554	\$102,890		\$102,890	\$102,890	2.54%	\$218	\$103,108	(\$197,458)		(\$197,458)	(\$197,458)	2.54%	(\$418)	(\$197,876)	
Apr-15	\$397,554	(\$12,902)	\$384,652	\$391,103	2.54%	\$828	\$385,480	\$103,108	(\$3,277)	\$99,830	\$101,469	2.54%	\$215	\$100,045	(\$197,876)	\$4,003	(\$193,874)	(\$195,875)	2.54%	(\$415)	(\$194,288)	
May-15	\$385,480	(\$23,474)	\$362,006	\$373,743	2.54%	\$791	\$362,797	\$100,045	(\$6,372)	\$93,673	\$96,859	2.54%	\$205	\$93,878	(\$194,288)	\$8,049	(\$186,239)	(\$190,264)	2.54%	(\$403)	(\$186,642)	
Jun-15	\$362,797	(\$26,078)	\$336,719	\$349,758	2.54%	\$740	\$337,459	\$93,878	(\$6,965)	\$86,914	\$90,396	2.54%	\$191	\$87,105	(\$186,642)	\$8,652	(\$177,990)	(\$182,316)	2.54%	(\$386)	(\$178,375)	
Jul-15	\$337,459	(\$32,915)	\$304,545	\$321,002	2.54%	\$679	\$305,224	\$87,105	(\$7,515)	\$79,590	\$83,347	2.54%	\$176	\$79,766	(\$178,375)	\$8,284	(\$170,091)	(\$174,233)	2.54%	(\$369)	(\$170,460)	
Aug-15	\$305,224	(\$39,400)	\$265,824	\$285,524	2.54%	\$604	\$266,429	\$79,766	(\$8,326)	\$71,440	\$75,603	2.54%	\$160	\$71,600	(\$170,460)	\$8,715	(\$161,745)	(\$166,103)	2.54%	(\$352)	(\$162,096)	
Sep-15	\$266,429	(\$39,302)	\$227,127	\$246,778	2.54%	\$522	\$227,649	\$71,600	(\$8,406)	\$63,194	\$67,397	2.54%	\$143	\$63,337	(\$162,096)	\$8,649	(\$153,447)	(\$157,772)	2.54%	(\$334)	(\$153,781)	
Oct-15	\$227,649	(\$27,116)	\$200,533	\$214,091	2.54%	\$453	\$200,986	\$63,337	(\$6,648)	\$56,689	\$60,013	2.54%	\$127	\$56,816	(\$153,781)	\$6,927	(\$146,854)	(\$150,318)	2.54%	(\$318)	(\$147,173)	
Nov-15	\$200,986	(\$23,218)	\$177,769	\$189,378	2.54%	\$401	\$178,170	\$56,816	(\$5,909)	\$50,907	\$53,862	2.54%	\$114	\$51,021	(\$147,173)	\$5,966	(\$141,207)	(\$144,190)	2.54%	(\$305)	(\$141,512)	
Dec-15	\$178,170	(\$29,832)	\$148,337	\$163,254	2.54%	\$346	\$148,683	\$51,021	(\$6,809)	\$44,212	\$47,617	2.54%	\$101	\$44,313	(\$141,512)	\$6,164	(\$135,348)	(\$138,430)	2.54%	(\$293)	(\$135,641)	
Jan-16	\$148,683	(\$31,403)	\$117,280	\$132,982	2.54%	\$281	\$117,562	\$44,313	(\$6,628)	\$37,685	\$40,999	2.54%	\$87	\$37,772	(\$135,641)	\$4,856	(\$130,785)	(\$133,213)	2.54%	(\$282)	(\$131,067)	
Feb-16	\$117,562	\$0	\$117,562	\$117,562	2.54%	\$249	\$117,810	\$37,772	\$0	\$37,772	\$37,772	2.54%	\$80	\$37,852	(\$131,067)	\$0	(\$131,067)	(\$131,067)	2.54%	(\$277)	(\$131,345)	
Mar-16	\$117,810	\$0	\$117,810	\$117,810	2.14%	\$210	\$118,021	\$37,852	\$0	\$37,852	\$37,852	2.14%	\$68	\$37,919	(\$131,345)	\$0	(\$131,345)	(\$131,345)	2.14%	(\$234)	(\$131,579)	
Apr-16	\$118,021	\$0	\$118,021	\$118,021	2.14%	\$210	\$118,231	\$37,919	\$0	\$37,919	\$37,919	2.14%	\$68	\$37,987	(\$131,579)	\$0	(\$131,579)	(\$131,579)	2.14%	(\$235)	(\$131,814)	

Column Notes:

- (a) Column (g) of previous row
- (b) Page 8
- (c) Column (a) + Column (b)
- (d) (Column (a) + Column (c)) ÷ 2
- (e) Current Rate for Customer Deposits
- (f) Column (d) x (Column (e) ÷ 12)
- (g) Column (c) + Column (f)

**STANDARD OFFER SERVICE ADMINISTRATIVE COST ADJUSTMENT RECONCILIATION**  
**For the Period January 1, 2015 through December 31, 2015**

**Standard Offer Service Administrative Cost Adjustment Prior Period Over/(Under) Recovery**

Calculation of Standard Offer Service Admin. Cost Adj. Factor Revenue

**Section 1.**

**Reconciliation Period:** January 2013 through December 2013  
**Recovery Period:** April 2014 through March 2015  
**Beginning Balance:** Schedule JAL-2, Page 2, Docket No. 4485

		<b>Residential</b>		<b>Commercial</b>		<b>Industrial</b>	
Approved Factor:		\$0.00006		\$0.00011		\$0.00019	
<u>Month</u>		Residential Group <u>SOS kWhs</u> (a)	Residential Adj Factor <u>Revenue</u> (b)	Commercial Group <u>SOS kWhs</u> (a)	Commercial Adj Factor <u>Revenue</u> (b)	Industrial Group <u>SOS kWhs</u> (a)	Industrial Adj Factor <u>Revenue</u> (b)
(1)	Apr-14	95,233,499	\$5,714	43,215,749	\$4,754	33,210,844	\$6,310
	May-14	201,060,388	\$12,064	99,085,977	\$10,899	71,748,942	\$13,632
	Jun-14	191,724,194	\$11,503	97,413,035	\$10,715	67,948,879	\$12,910
	Jul-14	260,682,358	\$15,641	113,126,146	\$12,444	71,034,283	\$13,497
	Aug-14	283,785,445	\$17,027	117,946,307	\$12,974	86,080,952	\$16,355
	Sep-14	258,801,530	\$15,528	112,739,450	\$12,401	74,620,382	\$14,178
	Oct-14	201,385,002	\$12,083	97,132,246	\$10,685	69,728,067	\$13,248
	Nov-14	198,846,084	\$11,931	99,501,143	\$10,945	67,720,339	\$12,867
	Dec-14	241,775,510	\$14,507	104,336,377	\$11,477	73,528,091	\$13,970
	Jan-15	272,937,073	\$16,376	105,860,703	\$11,645	64,171,388	\$12,193
	Feb-15	277,267,333	\$16,636	101,738,440	\$11,191	65,127,953	\$12,374
	Mar-15	251,776,996	\$15,107	97,440,550	\$10,718	51,068,959	\$9,703
(2)	Apr-15	119,172,388	\$7,150	49,191,010	\$5,411	25,296,134	\$4,806

**Column Notes:**

- (a) from Company reports  
(b) Column (a) x SOS Admin. Cost Reconciliation Adj. Factor per RIPUC Docket No. 4485, Schedule JAL-4 Revised, page 1, line (6)

**Section 2.**

**Reconciliation Period:** January 2014 through December 2014  
**Recovery Period:** April 2015 through March 2016  
**Beginning Balance:** Schedule JAL-5, Page 2, Docket No. 4554

		<b>Residential</b>		<b>Commercial</b>		<b>Industrial</b>	
Approved Factor:		(\$0.00013)		(\$0.00008)		\$0.00019	
<u>Month</u>		Residential Group <u>SOS kWhs</u> (c)	Residential Adj Factor <u>Revenue</u> (d)	Commercial Group <u>SOS kWhs</u> (c)	Commercial Adj Factor <u>Revenue</u> (d)	Industrial Group <u>SOS kWhs</u> (c)	Industrial Adj Factor <u>Revenue</u> (d)
(1)	Apr-15	99,243,335	(\$12,902)	40,964,858	(\$3,277)	21,065,892	\$4,003
	May-15	180,571,287	(\$23,474)	79,649,155	(\$6,372)	42,363,476	\$8,049
	Jun-15	200,598,771	(\$26,078)	87,059,037	(\$6,965)	45,538,313	\$8,652
	Jul-15	253,190,958	(\$32,915)	93,938,236	(\$7,515)	43,599,595	\$8,284
	Aug-15	303,075,623	(\$39,400)	104,077,305	(\$8,326)	45,870,776	\$8,715
	Sep-15	302,322,318	(\$39,302)	105,074,346	(\$8,406)	45,522,574	\$8,649
	Oct-15	208,583,655	(\$27,116)	83,094,810	(\$6,648)	36,455,921	\$6,927
	Nov-15	178,597,167	(\$23,218)	73,864,505	(\$5,909)	31,397,412	\$5,966
	Dec-15	229,477,578	(\$29,832)	85,110,362	(\$6,809)	32,442,751	\$6,164
	Jan-16	241,560,659	(\$31,403)	82,850,807	(\$6,628)	25,557,238	\$4,856
	Feb-16	-	\$0	-	\$0	-	\$0
	Mar-16	-	\$0	-	\$0	-	\$0
(2)	Apr-16	-	\$0	-	\$0	-	\$0

- (1) Reflects usage after April 1  
(2) Reflects usage prior to April 1

**Column Notes:**

- (c) From Company reports  
(d) Column (a) x SOS Admin. Cost Reconciliation Adj. Factor per RIPUC Docket No. 4554, Schedule JAL-7, Page 1, lines (5), (10) & (15)



**THE NARRAGANSETT ELECTRIC COMPANY  
D/B/A NATIONAL GRID  
RIPUC DOCKET NO. \_\_\_\_  
2016 ELECTRIC RETAIL RATE FILING  
WITNESS: ADAM S. CRARY**

## **Schedule ASC-6**

### **Cash Working Capital Analysis**

Narragansett Electric Company  
Cash Working Capital Analysis  
Calendar Year 2015

		Days of Cost (a)	Annual Percent (b)	Customer Payment Lag % (c)	CWC % (d)	Expense (e)	Working Capital Requirement (f)
(1)	2015 Purchase Power Costs/Working Capital Requirement	-20.488	-5.61%	13.02%	7.41%	\$419,920,161	\$31,116,084
(2)	Gross Receipts Tax	71.78	19.67%	13.02%	32.69%	\$19,832,716	\$6,483,315
(3)	Total						<u>\$37,599,399</u>
(4)	Interest Rate						<u>9.68%</u>
(5)	Working Capital Impact						\$3,639,622
(6)	Standard Offer Service Revenue - Industrial Group						\$52,658,558
(7)	Standard Offer Service Revenue - Commercial Group						\$106,672,801
(8)	Standard Offer Service Revenue - Residential Group						\$285,206,974
(9)	Standard Offer Service Revenue - Total						\$444,538,333
(10)	Percentage of Standard Offer Expenses attributable to the Industrial Group						11.8%
(11)	Percentage of Standard Offer Expenses attributable to the Commercial Group						24.0%
(12)	Percentage of Standard Offer Expenses attributable to the Residential Group						64.2%
(13)	Working Capital Impact Allocated to Industrial Group						\$431,138
(14)	Working Capital Impact Allocated to Commercial Group						\$873,375
(15)	Working Capital Impact Allocated to Residential Group						\$2,335,109

Column Descriptions:

(1)(a)	per page 5, line (2)	(1)(2)(d)	Column (b) + Column (c)
(2)(a)	per page 6	(1)(e)	per page 5, line (1)
(1)(2)(b)	Column (a) ÷ 365	(2)(e)	Per Billing System Report
(1)(2)(c)	per page 7, line (5)	(1)(2)(f)	Column (d) x Column (e)

Line Descriptions:

(3)	Line (1) Column (f) + Line (2) (f)	(9)	Line (6) + Line (7) + Line (8)
(4)	pretax cost of capital per R.I.P.U.C. Docket No. 4323, Compliance Attachment 1, Schedule MDL-3-ELEC, page 61, Line 9, column (e)	(10)	Line (6) ÷ Line (9)
		(11)	Line (7) ÷ Line (9)
(5)	Line 3 x Line 4	(12)	Line (8) ÷ Line (9)
(6)	per Schedule JAL-2, page 3, column (a)	(13)	Line (5) x Line (10)
(7)	per Schedule JAL-2, page 3, column (a)	(14)	Line (5) x Line (11)
(8)	per Schedule JAL-2, page 3, column (a)	(15)	Line (5) x Line (12)

Narragansett Electric Company  
Calendar Year 2015  
Purchased Power Accounts Payable Lag Calculation

Invoice Month (a)	Expense Description (b)	Invoice Amount (c)	End of Service Period (d)	Invoice Date (e)	Due Date (f)	Payment Date (g)	Elapsed (Days) (h)	% of Total (i)	Weighted Days (j)
<b><u>PURCHASED POWER INVOICES:</u></b>									
Feb 2015	Current Charge for September 2014	(\$12,622.02)	9/30/2014	2/11/2015	2/22/2015	2/22/2015	145	0.00%	(0.00)
Feb 2015	Current Charge for September 2014	(\$16,287.81)	9/30/2014	2/11/2015	2/21/2015	2/21/2015	144	0.00%	(0.01)
Jan 2015	Current Charge for September 2014	(\$13,957.51)	9/30/2014	1/10/2015	1/20/2015	1/20/2015	112	0.00%	(0.00)
Feb 2015	Current Charge for September 2014	\$72,985.91	9/30/2014	2/10/2015	2/20/2015	2/26/2015	149	0.02%	0.03
Feb 2015	Current Charge for January 2015	\$5,812,736.78	1/31/2015	2/10/2015	2/20/2015	2/20/2015	20	1.38%	0.28
Feb 2015	Current Charge for September 2014	(\$107,258.40)	9/30/2014	2/10/2015	2/20/2015	2/20/2015	143	-0.03%	(0.04)
Feb 2015	Current Charge for January 2015	\$35,074,056.02	1/31/2015	2/10/2015	2/20/2015	2/20/2015	20	8.35%	1.67
Feb 2015	Current Charge for September 2014	\$67,869.30	9/30/2014	2/4/2015	2/20/2015	2/20/2015	143	0.02%	0.02
Feb 2015	Current Charge for January 2015	\$14,702,578.40	1/31/2015	2/4/2015	2/20/2015	2/20/2015	20	3.50%	0.70
Feb 2015	Current Charge for September 2014	\$75,025.67	9/30/2014	2/10/2015	2/20/2015	2/25/2015	148	0.02%	0.03
Feb 2015	Current Charge for January 2015	\$21,636,291.34	1/31/2015	2/10/2015	2/20/2015	2/25/2015	25	5.15%	1.29
Mar 2015	Current Charge for October 2014	\$4,919.91	10/31/2014	3/10/2015	3/20/2015	3/20/2015	140	0.00%	0.00
Mar 2015	Current Charge for February 2015	\$30,795,744.07	2/28/2015	3/10/2015	3/20/2015	3/20/2015	20	7.33%	1.47
Mar 2015	Current Charge for October 2014	\$6,942.53	10/31/2014	3/10/2015	3/20/2015	3/20/2015	140	0.00%	0.00
Mar 2015	Current Charge for October 2014	(\$139,721.15)	10/31/2014	3/10/2015	3/20/2015	3/20/2015	140	-0.03%	(0.05)
Mar 2015	Current Charge for October 2014	\$4,290.57	10/31/2014	3/10/2015	3/20/2015	3/20/2015	140	0.00%	0.00
Mar 2015	Current Charge for October 2014	\$13,815.30	10/31/2014	3/11/2015	3/25/2015	3/20/2015	140	0.00%	0.00
Mar 2015	Current Charge for February 2015	\$19,710,498.81	2/28/2015	3/11/2015	3/25/2015	3/20/2015	20	4.69%	0.94
Mar 2015	Current Charge for October 2014	\$3,734.90	10/31/2014	3/5/2015	3/20/2015	3/19/2015	139	0.00%	0.00
Mar 2015	Current Charge for October 2014	\$13,853.93	10/31/2014	3/4/2015	3/19/2015	3/20/2015	140	0.00%	0.00
Mar 2015	Current Charge for February 2015	\$13,902,206.44	2/28/2015	3/10/2015	3/20/2015	3/20/2015	20	3.31%	0.66
Mar 2015	Current Charge for February 2015	\$5,160,909.94	2/28/2015	3/10/2015	3/20/2015	3/20/2015	20	1.23%	0.25
Apr 2015	Current Charge for November 2014	\$93,391.95	11/30/2014	4/10/2015	4/20/2015	4/17/2015	138	0.02%	0.03
Apr 2015	Current Charge for November 2014	\$89,993.59	11/30/2014	4/10/2015	4/20/2015	4/20/2015	141	0.02%	0.03
Apr 2015	Current Charge for March 2015	\$11,366,415.02	3/31/2015	4/10/2015	4/20/2015	4/20/2015	20	2.71%	0.54
Apr 2015	Current Charge for November 2014	\$88,216.83	11/30/2014	4/10/2015	4/20/2015	4/20/2015	141	0.02%	0.03
Apr 2015	Current Charge for March 2015	\$17,840,277.42	3/31/2015	4/10/2015	4/20/2015	4/20/2015	20	4.25%	0.85
Apr 2015	Current Charge for March 2015	\$7,434,105.12	3/31/2015	4/4/2015	4/20/2015	4/20/2015	20	1.77%	0.35
Apr 2015	Current Charge for November 2014	\$126,051.13	11/30/2014	4/4/2015	4/20/2015	4/20/2015	141	0.03%	0.04
Apr 2015	Current Charge for November 2014	\$114,757.50	11/30/2014	4/10/2015	4/20/2015	4/20/2015	141	0.03%	0.04
Apr 2015	Current Charge for March 2015	\$3,309,052.61	3/31/2015	4/10/2015	4/20/2015	4/20/2015	20	0.79%	0.16
Apr 2015	Current Charge for November 2014	(\$23,045.23)	11/30/2014	4/7/2015	4/20/2015	4/20/2015	141	-0.01%	(0.01)
Apr 2015	Current Charge for November 2014	(\$97,938.49)	11/30/2014	4/9/2015	4/20/2015	4/20/2015	141	-0.02%	(0.03)
May 2015	Current Charge for December 2014	(\$331,215.31)	12/31/2014	5/10/2015	5/20/2015	5/20/2015	140	-0.08%	(0.11)
May 2015	Current Charge for December 2014	(\$64,318.51)	12/31/2014	5/8/2015	5/20/2015	5/20/2015	140	-0.02%	(0.02)
May 2015	Current Charge for December 2014	\$234,281.15	12/31/2014	5/10/2015	5/20/2015	5/20/2015	140	0.06%	0.08
May 2015	Current Charge for April 2015	\$4,902,828.65	4/30/2015	5/4/2015	5/20/2015	5/20/2015	20	1.17%	0.23
May 2015	Current Charge for December 2014	\$210,406.62	12/31/2014	5/4/2015	5/20/2015	5/20/2015	140	0.05%	0.07
May 2015	Current Charge for April 2015	\$6,077,453.83	4/30/2015	5/10/2015	5/20/2015	5/20/2015	20	1.45%	0.29
May 2015	Current Charge for December 2014	\$111,301.18	12/31/2014	5/10/2015	5/20/2015	5/20/2015	140	0.03%	0.04
May 2015	Current Charge for April 2015	\$8,394,202.63	4/30/2015	5/10/2015	5/20/2015	5/20/2015	20	2.00%	0.40
May 2015	Current Charge for April 2015	\$1,795,325.01	4/30/2015	5/10/2015	5/20/2015	5/20/2015	20	0.43%	0.09
May 2015	Current Charge for December 2014	\$138,312.26	12/31/2014	5/10/2015	5/20/2015	5/20/2015	140	0.03%	0.05
May 2015	Current Charge for December 2014	\$181,756.26	12/31/2014	5/10/2015	5/20/2015	5/19/2015	139	0.04%	0.06
Jun 2015	Current Charge for May 2015	\$5,298,479.45	5/31/2015	6/10/2015	6/20/2015	6/16/2015	16	1.26%	0.20
Jun 2015	Current Charge for January 2015	\$33,722.33	1/31/2015	6/10/2015	6/20/2015	6/16/2015	136	0.01%	0.01
Jun 2015	Current Charge for January 2015	(\$14,242.30)	1/31/2015	6/10/2015	6/20/2015	6/16/2015	136	0.00%	(0.00)
Jun 2015	Current Charge for May 2015	\$7,297,753.27	5/31/2015	6/10/2015	6/20/2015	6/16/2015	16	1.74%	0.28
Jun 2015	Current Charge for May 2015	\$4,518,757.93	5/31/2015	6/4/2015	6/20/2015	6/16/2015	16	1.08%	0.17
Jun 2015	Current Charge for January 2015	\$22,914.76	1/31/2015	6/4/2015	6/20/2015	6/16/2015	136	0.01%	0.01
Jun 2015	Current Charge for May 2015	\$1,536,116.20	5/31/2015	6/10/2015	6/20/2015	6/16/2015	16	0.37%	0.06
Jun 2015	Current Charge for January 2015	\$120,557.07	1/31/2015	6/10/2015	6/20/2015	6/16/2015	136	0.03%	0.04
Jul 2015	Current Charge for June 2015	\$5,107,253.72	6/30/2015	7/4/2015	7/20/2015	7/20/2015	20	1.22%	0.24
Jul 2015	Current Charge for February 2015	\$296,194.07	2/28/2015	7/4/2015	7/20/2015	7/20/2015	142	0.07%	0.10
Jul 2015	Current Charge for June 2015	\$6,691,523.91	6/30/2015	7/10/2015	7/20/2015	7/20/2015	20	1.59%	0.32
Jul 2015	Current Charge for February 2015	\$419,942.70	2/28/2015	7/10/2015	7/20/2015	7/20/2015	142	0.10%	0.14
Jul 2015	Current Charge for February 2015	\$136,006.39	2/28/2015	7/10/2015	7/20/2015	7/20/2015	142	0.03%	0.05
Jul 2015	Current Charge for June 2015	\$9,340,044.75	6/30/2015	7/10/2015	7/20/2015	7/20/2015	20	2.22%	0.44
Jul 2015	Current Charge for February 2015	\$6,003.23	2/28/2015	7/10/2015	7/20/2015	7/22/2015	144	0.00%	0.00
Jul 2015	Current Charge for June 2015	\$2,064,351.57	6/30/2015	7/10/2015	7/20/2015	7/22/2015	22	0.49%	0.11
Aug 2015	Current Charge for July 2015	\$13,424,633.15	7/31/2015	8/10/2015	8/20/2015	8/20/2015	20	3.20%	0.64
Aug 2015	Current Charge for March 2015	\$109,642.28	3/31/2015	8/10/2015	8/20/2015	8/20/2015	142	0.03%	0.04
Aug 2015	Current Charge for July 2015	\$7,806,037.32	7/31/2015	8/4/2015	8/20/2015	8/20/2015	20	1.86%	0.37
Aug 2015	Current Charge for March 2015	\$71,710.56	3/31/2015	8/4/2015	8/20/2015	8/20/2015	142	0.02%	0.02

Narragansett Electric Company  
Calendar Year 2015  
Purchased Power Accounts Payable Lag Calculation

**PURCHASED POWER INVOICES CONTINUED:**

Invoice Month (a)	Expense Description (b)	Invoice Amount (c)	Service Period (d)	Invoice Date (e)	Due Date (f)	Payment Date (g)	Elapsed (Days) (h)	% of Total (i)	Weighted Days (j)
Aug 2015	Current Charge for July 2015	\$2,111,819.09	7/31/2015	8/10/2015	8/20/2015	8/20/2015	20	0.50%	0.10
Aug 2015	Current Charge for March 2015	(\$87,979.75)	3/31/2015	8/10/2015	8/20/2015	8/20/2015	142	-0.02%	(0.03)
Aug 2015	Current Charge for July 2015	\$1,680,797.52	7/31/2015	8/10/2015	8/20/2015	8/19/2015	19	0.40%	0.08
Aug 2015	Current Charge for July 2015	\$1,602,083.32	7/31/2015	8/10/2015	8/20/2015	8/20/2015	20	0.38%	0.08
Aug 2015	Current Charge for July 2015	\$3,300,414.07	7/31/2015	8/10/2015	8/20/2015	8/19/2015	19	0.79%	0.15
Aug 2015	Current Charge for March 2015	(\$6,414.86)	3/31/2015	8/10/2015	8/20/2015	8/20/2015	142	0.00%	(0.00)
Sep 2015	Current Charge for August 2015	\$7,953,534.09	8/31/2015	9/4/2015	9/20/2015	9/21/2015	21	1.89%	0.40
Sep 2015	Current Charge for April 2015	\$39,711.66	4/30/2015	9/4/2015	9/20/2015	9/21/2015	144	0.01%	0.01
Sep 2015	Current Charge for August 2015	\$12,848,707.63	8/31/2015	9/10/2015	9/20/2015	9/21/2015	21	3.06%	0.64
Sep 2015	Current Charge for April 2015	\$49,225.82	4/30/2015	9/10/2015	9/20/2015	9/21/2015	144	0.01%	0.02
Sep 2015	Current Charge for August 2015	\$1,997,829.02	8/31/2015	9/10/2015	9/20/2015	9/21/2015	21	0.48%	0.10
Sep 2015	Current Charge for April 2015	(\$66,484.97)	4/30/2015	9/10/2015	9/20/2015	9/21/2015	144	-0.02%	(0.02)
Sep 2015	Current Charge for August 2015	\$1,468,697.42	8/31/2015	9/9/2015	9/21/2015	9/18/2015	18	0.35%	0.06
Sep 2015	Current Charge for August 2015	\$1,373,958.43	8/31/2015	9/10/2015	9/20/2015	9/21/2015	21	0.33%	0.07
Sep 2015	Current Charge for August 2015	\$3,186,675.41	8/31/2015	9/14/2015	9/21/2015	9/18/2015	18	0.76%	0.14
Sep 2015	Current Charge for August 2015	\$13,672.55	8/31/2015	9/14/2015	9/21/2015	9/21/2015	21	0.00%	0.00
Oct 2015	Current Charge for September 2015	\$1,582,713.90	9/30/2015	10/10/2015	10/20/2015	10/20/2015	20	0.38%	0.08
Oct 2015	Current Charge for May 2015	(\$128,606.16)	5/31/2015	10/10/2015	10/20/2015	10/20/2015	142	-0.03%	(0.04)
Oct 2015	Current Charge for May 2015	(\$17,299.20)	5/31/2015	10/4/2015	10/20/2015	10/20/2015	142	0.00%	(0.01)
Oct 2015	Current Charge for September 2015	\$5,651,900.16	9/30/2015	10/4/2015	10/20/2015	10/20/2015	20	1.35%	0.27
Oct 2015	Current Charge for September 2015	\$9,357,403.73	9/30/2015	10/10/2015	10/20/2015	10/20/2015	20	2.23%	0.45
Oct 2015	Current Charge for May 2015	(\$20,284.25)	5/31/2015	10/10/2015	10/20/2015	10/20/2015	142	0.00%	(0.01)
Oct 2015	Current Charge for September 2015	\$33,449.57	9/30/2015	10/10/2015	10/20/2015	10/20/2015	20	0.01%	0.00
Oct 2015	Current Charge for September 2015	\$1,123,412.24	9/30/2015	10/10/2015	10/20/2015	10/19/2015	19	0.27%	0.05
Oct 2015	Current Charge for September 2015	\$1,078,060.40	9/30/2015	10/10/2015	10/20/2015	10/20/2015	20	0.26%	0.05
Oct 2015	Current Charge for September 2015	\$2,366,063.20	9/30/2015	10/10/2015	10/20/2015	10/19/2015	19	0.56%	0.11
Nov 2015	Current Charge for June 2015	(\$35,804.44)	6/30/2015	11/10/2015	11/20/2015	11/20/2015	143	-0.01%	(0.01)
Nov 2015	Current Charge for October 2015	\$7,049,667.56	10/31/2015	11/10/2015	11/20/2015	11/20/2015	20	1.68%	0.34
Nov 2015	Current Charge for June 2015	\$276,492.70	6/30/2015	11/10/2015	11/20/2015	11/20/2015	143	0.07%	0.09
Nov 2015	Current Charge for October 2015	\$6,816,091.75	10/31/2015	11/4/2015	11/20/2015	11/20/2015	20	1.62%	0.32
Nov 2015	Current Charge for June 2015	\$211,030.89	6/30/2015	11/4/2015	11/20/2015	11/20/2015	143	0.05%	0.07
Nov 2015	Current Charge for October 2015	\$1,763,212.61	10/31/2015	11/5/2015	11/20/2015	11/19/2015	19	0.42%	0.08
Nov 2015	Current Charge for October 2015	\$1,537,546.46	10/31/2015	11/10/2015	11/20/2015	11/20/2015	20	0.37%	0.07
Nov 2015	Current Charge for June 2015	(\$66,030.54)	6/30/2015	11/10/2015	11/20/2015	11/20/2015	143	-0.02%	(0.02)
Dec 2015	Current Charge for November 2015	\$8,756,167.18	11/30/2015	12/10/2015	12/20/2015	12/18/2015	18	2.09%	0.38
Dec 2015	Current Charge for July 2015	\$188,541.36	7/31/2015	12/10/2015	12/20/2015	12/18/2015	140	0.04%	0.06
Dec 2015	Current Charge for November 2015	\$9,360,714.86	11/30/2015	12/10/2015	12/20/2015	12/18/2015	18	2.23%	0.40
Dec 2015	Current Charge for July 2015	\$167,875.57	7/31/2015	12/10/2015	12/20/2015	12/18/2015	140	0.04%	0.06
Dec 2015	Current Charge for November 2015	\$2,327,780.03	11/30/2015	12/15/2015	12/21/2015	12/17/2015	17	0.55%	0.09
Dec 2015	Current Charge for November 2015	\$2,286,508.22	11/30/2015	12/10/2015	12/20/2015	12/17/2015	17	0.54%	0.09
Dec 2015	Current Charge for July 2015	\$41,271.81	7/31/2015	12/10/2015	12/20/2015	12/17/2015	139	0.01%	0.01
Dec 2015	Current Charge for July 2015	(\$114,150.49)	7/31/2015	12/10/2015	12/20/2015	12/20/2015	142	-0.03%	(0.04)
Dec 2015	Current Charge for November 2015	\$1,949,798.56	11/30/2015	12/10/2015	12/20/2015	12/18/2015	18	0.46%	0.08
Dec 2015	Current Charge for July 2015	\$70,043.14	7/31/2015	12/10/2015	12/20/2015	12/18/2015	140	0.02%	0.02
Dec 2015	Current Charge for July 2015	(\$119,765.05)	7/31/2015	12/10/2015	12/20/2015	12/20/2015	142	-0.03%	(0.04)
Jan 2016	Current Charge for December 2015	\$3,021,625.11	12/30/2015	1/10/2016	1/20/2016	1/20/2016	21	0.72%	0.15
Jan 2016	Current Charge for August 2015	\$27,491.54	8/31/2015	1/10/2016	1/20/2016	1/20/2016	142	0.01%	0.01
Jan 2016	Current Charge for December 2015	\$14,380,756.55	12/30/2015	1/10/2016	1/20/2016	1/20/2016	21	3.42%	0.72
Jan 2016	Current Charge for August 2015	\$131,086.21	8/31/2015	1/10/2016	1/20/2016	1/20/2016	142	0.03%	0.04
Jan 2016	Current Charge for December 2015	\$3,427,318.49	12/30/2015	1/10/2016	1/20/2016	1/19/2016	20	0.82%	0.16
Jan 2016	Current Charge for August 2015	\$255,237.81	8/31/2015	1/10/2016	1/20/2016	1/20/2016	142	0.06%	0.09
Jan 2016	Current Charge for December 2015	\$15,773,872.47	12/30/2015	1/10/2016	1/20/2016	1/20/2016	21	3.76%	0.79
Jan 2016	Current Charge for August 2015	(\$115,749.58)	8/31/2015	1/10/2016	1/20/2016	1/20/2016	142	-0.03%	(0.04)
Jan 2016	Current Charge for December 2015	(\$123,727.92)	8/31/2015	1/10/2016	1/20/2016	1/20/2016	142	-0.03%	(0.04)

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**SPOT MARKET PURCHASES:**

Jan-2015	Spot Market Purchase	\$138,231	1/5/2015	1/7/2015	1/9/2015	1/9/2015	4	0.03%	0.00
Jan-2015	Spot Market Purchase	\$91,513	1/7/2015	1/12/2015	1/14/2015	1/14/2015	7	0.02%	0.00
Jan-2015	Spot Market Purchase	\$326,709	1/12/2015	1/14/2015	1/16/2015	1/16/2015	4	0.08%	0.00
Jan-2015	Spot Market Purchase	\$184,591	1/15/2015	1/20/2015	1/22/2015	1/22/2015	7	0.04%	0.00
Jan-2015	Spot Market Purchase	\$57,099	1/16/2015	1/21/2015	1/23/2015	1/23/2015	7	0.01%	0.00
Jan-2015	Spot Market Purchase	\$236,131	1/22/2015	1/26/2015	1/28/2015	1/28/2015	6	0.06%	0.00
Jan-2015	Spot Market Purchase	\$114,010	1/26/2015	1/28/2015	1/30/2015	1/30/2015	4	0.03%	0.00
Jan-2015	Spot Market Purchase	\$156,756	1/29/2015	2/2/2015	2/4/2015	2/4/2015	6	0.04%	0.00
Feb-2015	Spot Market Purchase	\$189,879	2/2/2015	2/4/2015	2/6/2015	2/6/2015	4	0.05%	0.00
Feb-2015	Spot Market Purchase	\$177,081	2/5/2015	2/9/2015	2/11/2015	2/11/2015	6	0.04%	0.00
Feb-2015	Spot Market Purchase	\$202,229	2/9/2015	2/11/2015	2/13/2015	2/13/2015	4	0.05%	0.00
Feb-2015	Spot Market Purchase	\$113,899	2/11/2015	2/17/2015	2/19/2015	2/19/2015	8	0.03%	0.00
Feb-2015	Spot Market Purchase	\$155,994	2/13/2015	2/18/2015	2/20/2015	2/20/2015	7	0.04%	0.00
Feb-2015	Spot Market Purchase	\$627,848	2/19/2015	2/23/2015	2/25/2015	2/25/2015	6	0.15%	0.01
Feb-2015	Spot Market Purchase	\$399,464	2/23/2015	2/25/2015	2/27/2015	2/27/2015	4	0.10%	0.00
Feb-2015	Spot Market Purchase	\$358,002	2/26/2015	3/2/2015	3/4/2015	3/4/2015	6	0.09%	0.01
Feb-2015	Spot Market Purchase	\$344,568	2/26/2015	3/4/2015	3/6/2015	3/6/2015	8	0.08%	0.01
Mar-2015	Spot Market Purchase	\$74,471	3/1/2015	3/4/2015	3/6/2015	3/6/2015	5	0.02%	0.00
Mar-2015	Spot Market Purchase	\$186,441	3/5/2015	3/9/2015	3/11/2015	3/11/2015	6	0.04%	0.00
Mar-2015	Spot Market Purchase	\$246,869	3/9/2015	3/11/2015	3/13/2015	3/13/2015	4	0.06%	0.00
Mar-2015	Spot Market Purchase	\$68,616	3/11/2015	3/16/2015	3/18/2015	3/18/2015	7	0.02%	0.00
Mar-2015	Spot Market Purchase	\$78,612	3/16/2015	3/18/2015	3/20/2015	3/20/2015	4	0.02%	0.00
Mar-2015	Spot Market Purchase	\$60,880	3/19/2015	3/23/2015	3/25/2015	3/25/2015	6	0.01%	0.00
Mar-2015	Spot Market Purchase	\$133,338	3/23/2015	3/25/2015	3/27/2015	3/27/2015	4	0.03%	0.00
Mar-2015	Spot Market Purchase	\$120,019	3/26/2015	3/30/2015	4/1/2015	4/1/2015	6	0.03%	0.00
Mar-2015	Spot Market Purchase	\$74,744	3/30/2015	4/5/2015	4/7/2015	4/7/2015	8	0.02%	0.00
Apr-2015	Spot Market Purchase	\$42,046	4/1/2015	4/6/2015	4/8/2015	4/8/2015	7	0.01%	0.00
Apr-2015	Spot Market Purchase	\$60,463	4/6/2015	4/8/2015	4/10/2015	4/10/2015	4	0.01%	0.00
Apr-2015	Spot Market Purchase	\$73,063	4/8/2015	4/13/2015	4/15/2015	4/15/2015	7	0.02%	0.00
Apr-2015	Spot Market Purchase	\$117,306	4/13/2015	4/15/2015	4/17/2015	4/17/2015	4	0.03%	0.00
Apr-2015	Spot Market Purchase	\$32,350	4/16/2015	4/21/2015	4/23/2015	4/23/2015	7	0.01%	0.00
Apr-2015	Spot Market Purchase	\$7,142	4/17/2015	4/22/2015	4/24/2015	4/24/2015	7	0.00%	0.00
Apr-2015	Spot Market Purchase	\$29,339	4/23/2015	4/27/2015	4/29/2015	4/29/2015	6	0.01%	0.00
Apr-2015	Spot Market Purchase	\$14,057	4/27/2015	4/29/2015	5/1/2015	5/1/2015	4	0.00%	0.00
Apr-2015	Spot Market Purchase	\$21,554	4/30/2015	5/4/2015	5/6/2015	5/6/2015	6	0.01%	0.00
May-2015	Spot Market Purchase	\$13,589	5/4/2015	5/6/2015	5/8/2015	5/8/2015	4	0.00%	0.00
May-2015	Spot Market Purchase	\$21,586	5/6/2015	5/11/2015	5/13/2015	5/13/2015	7	0.01%	0.00
May-2015	Spot Market Purchase	\$23,362	5/11/2015	5/13/2015	5/15/2015	5/15/2015	4	0.01%	0.00
May-2015	Spot Market Purchase	\$40,899	5/14/2015	5/18/2015	5/20/2015	5/20/2015	6	0.01%	0.00
May-2015	Spot Market Purchase	\$23,837	5/18/2015	5/20/2015	5/22/2015	5/22/2015	4	0.01%	0.00
May-2015	Spot Market Purchase	\$19,535	5/21/2015	5/26/2015	5/28/2015	5/28/2015	7	0.00%	0.00
May-2015	Spot Market Purchase	\$8,603	5/22/2015	5/27/2015	5/29/2015	5/29/2015	7	0.00%	0.00
May-2015	Spot Market Purchase	\$61,378	5/28/2015	6/1/2015	6/3/2015	6/3/2015	6	0.01%	0.00



Narragansett Electric Company  
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Invoice Month (a)	Expense Description (b)	Invoice Amount (c)	Service Period (d)	Invoice Date (e)	Due Date (f)	Payment Date (g)	Elapsed (Days) (h)	% of Total (i)	Weighted Days (j)
<b>SPOT MARKET PURCHASES CONTINUED:</b>									
Jun-2015	Spot Market Purchase	\$2,749	6/1/2015	6/3/2015	6/5/2015	6/5/2015	4	0.00%	0.00
Jun-2015	Spot Market Purchase	\$27,684	6/4/2015	6/8/2015	6/10/2015	6/10/2015	6	0.01%	0.00
Jun-2015	Spot Market Purchase	\$11,477	6/8/2015	6/10/2015	6/12/2015	6/12/2015	4	0.00%	0.00
Jun-2015	Spot Market Purchase	\$12,170	6/10/2015	6/15/2015	6/17/2015	6/17/2015	7	0.00%	0.00
Jun-2015	Spot Market Purchase	\$67,098	6/15/2015	6/17/2015	6/19/2015	6/19/2015	4	0.02%	0.00
Jun-2015	Spot Market Purchase	\$27,098	6/18/2015	6/22/2015	6/24/2015	6/24/2015	6	0.01%	0.00
Jun-2015	Spot Market Purchase	\$25,031	6/22/2015	6/24/2015	6/26/2015	6/26/2015	4	0.01%	0.00
Jun-2015	Spot Market Purchase	\$57,577	6/25/2015	6/27/2015	6/29/2015	6/29/2015	4	0.01%	0.00
Jun-2015	Spot Market Purchase	\$31,360	6/29/2015	7/4/2015	7/6/2015	7/6/2015	7	0.01%	0.00
Jul-2015	Spot Market Purchase	\$18,289	7/1/2015	7/6/2015	7/8/2015	7/8/2015	7	0.00%	0.00
Jul-2015	Spot Market Purchase	\$45,857	7/6/2015	7/8/2015	7/10/2015	7/10/2015	4	0.01%	0.00
Jul-2015	Spot Market Purchase	\$43,094	7/8/2015	7/13/2015	7/15/2015	7/15/2015	7	0.01%	0.00
Jul-2015	Spot Market Purchase	\$90,988	7/13/2015	7/15/2015	7/17/2015	7/17/2015	4	0.02%	0.00
Jul-2015	Spot Market Purchase	\$66,940	7/16/2015	7/20/2015	7/22/2015	7/22/2015	6	0.02%	0.00
Jul-2015	Spot Market Purchase	\$67,927	7/20/2015	7/22/2015	7/24/2015	7/24/2015	4	0.02%	0.00
Jul-2015	Spot Market Purchase	\$144,529	7/23/2015	7/27/2015	7/29/2015	7/29/2015	6	0.03%	0.00
Jul-2015	Spot Market Purchase	\$47,760	7/27/2015	7/29/2015	7/31/2015	7/31/2015	4	0.01%	0.00
Jul-2015	Spot Market Purchase	\$121,067	7/30/2015	8/3/2015	8/5/2015	8/5/2015	6	0.03%	0.00
Aug-2015	Spot Market Purchase	\$110,097	8/3/2015	8/5/2015	8/7/2015	8/7/2015	4	0.03%	0.00
Aug-2015	Spot Market Purchase	\$77,750	8/6/2015	8/10/2015	8/12/2015	8/12/2015	6	0.02%	0.00
Aug-2015	Spot Market Purchase	\$42,793	8/10/2015	8/12/2015	8/14/2015	8/14/2015	4	0.01%	0.00
Aug-2015	Spot Market Purchase	\$25,559	8/12/2015	8/17/2015	8/19/2015	8/19/2015	7	0.01%	0.00
Aug-2015	Spot Market Purchase	\$112,017	8/17/2015	8/19/2015	8/21/2015	8/21/2015	4	0.03%	0.00
Aug-2015	Spot Market Purchase	\$161,336	8/20/2015	8/24/2015	8/26/2015	8/26/2015	6	0.04%	0.00
Aug-2015	Spot Market Purchase	\$125,674	8/24/2015	8/26/2015	8/28/2015	8/28/2015	4	0.03%	0.00
Aug-2015	Spot Market Purchase	\$105,903	8/27/2015	8/31/2015	9/2/2015	9/2/2015	6	0.03%	0.00
Aug-2015	Spot Market Purchase	\$77,874	8/31/2015	9/2/2015	9/4/2015	9/4/2015	4	0.02%	0.00
Sep-2015	Spot Market Purchase	\$127,088	9/3/2015	9/8/2015	9/10/2015	9/10/2015	7	0.03%	0.00
Sep-2015	Spot Market Purchase	\$47,599	9/4/2015	9/9/2015	9/11/2015	9/11/2015	7	0.01%	0.00
Sep-2015	Spot Market Purchase	\$117,651	9/8/2015	9/14/2015	9/16/2015	9/16/2015	8	0.03%	0.00
Sep-2015	Spot Market Purchase	\$160,416	9/14/2015	9/16/2015	9/18/2015	9/18/2015	4	0.04%	0.00
Sep-2015	Spot Market Purchase	\$89,311	9/17/2015	9/21/2015	9/23/2015	9/23/2015	6	0.02%	0.00
Sep-2015	Spot Market Purchase	\$145,899	9/21/2015	9/23/2015	9/25/2015	9/25/2015	4	0.03%	0.00
Sep-2015	Spot Market Purchase	\$55,720	9/24/2015	9/28/2015	9/30/2015	9/30/2015	6	0.01%	0.00
Sep-2015	Spot Market Purchase	\$46,331	9/28/2015	9/30/2015	10/2/2015	10/2/2015	4	0.01%	0.00
Oct-2015	Spot Market Purchase	\$71,472	10/1/2015	10/5/2015	10/7/2015	10/7/2015	6	0.02%	0.00
Oct-2015	Spot Market Purchase	\$45,583	10/5/2015	10/7/2015	10/9/2015	10/9/2015	4	0.01%	0.00
Oct-2015	Spot Market Purchase	\$32,558	10/7/2015	10/13/2015	10/15/2015	10/15/2015	8	0.01%	0.00
Oct-2015	Spot Market Purchase	\$30,692	10/9/2015	10/14/2015	10/16/2015	10/16/2015	7	0.01%	0.00
Oct-2015	Spot Market Purchase	\$70,224	10/15/2015	10/19/2015	10/21/2015	10/21/2015	6	0.02%	0.00
Oct-2015	Spot Market Purchase	\$41,710	10/19/2015	10/21/2015	10/23/2015	10/23/2015	4	0.01%	0.00
Oct-2015	Spot Market Purchase	\$57,694	10/22/2015	10/26/2015	10/28/2015	10/28/2015	6	0.01%	0.00
Oct-2015	Spot Market Purchase	\$77,936	10/26/2015	10/28/2015	10/30/2015	10/30/2015	4	0.02%	0.00
Oct-2015	Spot Market Purchase	\$98,375	10/29/2015	11/2/2015	11/4/2015	11/4/2015	6	0.02%	0.00
Nov-2015	Spot Market Purchase	\$45,441	11/2/2015	11/4/2015	11/6/2015	11/6/2015	4	0.01%	0.00
Nov-2015	Spot Market Purchase	\$36,894	11/5/2015	11/10/2015	11/12/2015	11/12/2015	7	0.01%	0.00
Nov-2015	Spot Market Purchase	\$102,803	11/9/2015	11/14/2015	11/16/2015	11/16/2015	7	0.02%	0.00
Nov-2015	Spot Market Purchase	\$36,390	11/10/2015	11/16/2015	11/18/2015	11/18/2015	8	0.01%	0.00
Nov-2015	Spot Market Purchase	\$61,695	11/16/2015	11/18/2015	11/20/2015	11/20/2015	4	0.01%	0.00
Nov-2015	Spot Market Purchase	\$48,735	11/19/2015	11/23/2015	11/25/2015	11/25/2015	6	0.01%	0.00
Nov-2015	Spot Market Purchase	\$40,582	11/23/2015	11/29/2015	12/1/2015	12/1/2015	8	0.01%	0.00
Nov-2015	Spot Market Purchase	\$13,477	11/24/2015	11/30/2015	12/2/2015	12/2/2015	8	0.00%	0.00
Nov-2015	Spot Market Purchase	\$57,123	11/30/2015	12/2/2015	12/4/2015	12/4/2015	4	0.01%	0.00
Dec-2015	Spot Market Purchase	\$44,763	12/3/2015	12/7/2015	12/9/2015	12/9/2015	6	0.01%	0.00
Dec-2015	Spot Market Purchase	\$29,462	12/7/2015	12/9/2015	12/11/2015	12/11/2015	4	0.01%	0.00
Dec-2015	Spot Market Purchase	\$25,147	12/8/2015	12/14/2015	12/16/2015	12/16/2015	8	0.01%	0.00
(1)	Total	\$419,920,161						100.00%	
(2)	Weighted Average Lag Days from End of Service Period to Final Payment Date of Purchased Power Bill								20.488

## Columns:

- (a) Month in which obligation for payment occurred  
(b) Per invoices  
(c) Per invoices  
(d) Applicable service period  
(e) Per invoices  
(f) Per agreements  
(g) Date paid  
(h) Number of days between Column (d) and Column (g)  
(i) Column (c) ÷ Line (1)  
(j) Column (h) x Column (i)

## Lines:

- (1) Sum of Column (c)  
(2) Sum of Column (j)

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Narragansett Electric Company  
Calendar Year 2015  
Gross Earnings Tax

Gross Earnings Tax Payment Date (1)	Days From Service Period	Percent Payment (1)	Payment Amount	Weighted Average Days from Year End
3/12/2015	(71)	40.00%	\$ 19,909,000.00	(28.40)
6/11/2015	(162)	60.00%	\$ 29,864,000.00	(97.20)
9/15/2015	(258)	0.00%	\$ -	0.00
12/15/2015	(349)	<u>0.00%</u>	<u>\$0</u>	<u>0.00</u>
		100.00%	\$49,773,000	(125.60)

Service Period	Days from Year end	Average Days from Year end
1/31/2015	(31)	
2/28/2015	(60)	
3/31/2015	(91)	
4/30/2015	(121)	
5/31/2015	(152)	
6/30/2015	(182)	
7/31/2015	(213)	
8/31/2015	(244)	
9/30/2015	(274)	
10/31/2015	(305)	
11/30/2015	(335)	
12/31/2015	<u>(366)</u>	
Average End of Service Period Date	<u>(2,369)</u>	<u>-197.38</u>

Weighted Average Payment Days from Year End	(125.60)
Average Days from End of Service	<u>197.38</u>
Period for Payment of Gross Earnings Tax	71.78

- (1) Rhode Island law (Sec. 44-26) requires the payment of estimated Corporate Gross Earnings Tax (GET) during the tax year. This code section also stipulates the above payment dates and minimum payment percentages. Code Sec. 44-1 extends the required payment dates that fall upon a Saturday, Sunday or legal holiday, to the next business day. Finally, payments are considered timely under Sec. 44-1 with evidence of mailing on or before the required date. The Company pays 40% of its prior year GET on March 15 and 60% of its prior year GET on June 15. Any remaining tax due for the calendar year is paid with its GET return on February 28 of the subsequent year.

The Narragansett Electric Company  
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Narragansett Electric Company  
Calendar Year 2015

<u>Service Period</u>	Customer Accts. Receivable <u>Ending Balance</u> (a)	<u>Sales</u> (b)	Days <u>In Month</u> (c)	Days of Sales in <u>Accts Receivable</u> (d)
1/31/2015	\$133,663,026	\$96,551,649	31	42.92
2/29/2015	\$147,637,759	\$106,991,629	29	40.02
3/31/2015	\$157,035,623	\$95,300,099	31	51.08
4/30/2015	\$133,720,304	\$80,158,725	30	50.05
5/31/2015	\$116,291,523	\$66,966,724	31	53.83
6/30/2015	\$126,755,610	\$72,652,926	30	52.34
7/31/2015	\$125,696,474	\$84,665,743	31	46.02
8/31/2015	\$121,636,133	\$98,104,352	31	38.44
9/30/2015	\$138,114,194	\$97,320,677	30	42.57
10/31/2015	\$105,314,880	\$73,798,699	31	44.24
11/30/2015	\$99,484,292	\$66,479,049	30	44.89
12/31/2015	\$124,284,052	\$81,683,321	31	<u>47.17</u>
(1) Total Days				553.57
(2) Average Lag				46.13
(3) Average Lag from date meter is read				<u>1.40</u>
(4) Total Average Days Lag				47.53
(5) Customer Payment Lag-annual percent				13.02%

Columns:

- (a) Accounts Receivable per general ledger at end of applicable month
- (b) per Company revenue reports
- (c) Number of days in applicable service period
- (d) Column (a) ÷ Column (b) x Column (c)

Lines:

- (1) Total of Column (d)
- (2) Line (1) ÷ 12
- (3) per meter reading lag study
- (4) Line (2) + Line (3)
- (5) Line (4) ÷ 365



**Schedule ASC-7**

**Calculation of SOS Administrative  
Cost Reconciliation Adjustment Factors**

**Standard Offer Service Administrative Cost Reconciliation**  
Calculation of SOS Administrative Cost Reconciliation Adjustment Factor

**Industrial Group SOS Administrative Cost Reconciliation Adjustment Factor**

(1)	Industrial Group Under Collection for the period January 1, 2015 through December 31, 2015	\$491,994
(2)	Interest During Recovery Period	\$8,298
(3)	Total Industrial Group SOS Admin. Cost Under Collection	\$500,292
(4)	forecasted Industrial Group SOS kWh for the period April 1, 2016 through March 31, 2017	338,642,847
(5)	Industrial Group SOS Administrative Cost Reconciliation Adjustment Factor	\$0.00147

**Commercial Group SOS Administrative Cost Reconciliation Adjustment Factor**

(6)	Commercial Under Collection for the period January 1, 2015 through December 31, 2015	\$803,215
(7)	Interest During Recovery Period	\$13,547
(8)	Total Commercial Group SOS Admin. Cost Under Collection	\$816,762
(9)	forecasted Commercial Group SOS kWh for the period April 1, 2016 through March 31, 2017	993,180,075
(10)	Commercial Group SOS Administrative Cost Reconciliation Adjustment Factor	\$0.00082

**Residential Group SOS Administrative Cost Reconciliation Adjustment Factor**

(11)	Residential Group Under Collection for the period January 1, 2015 through December 31, 2015	\$2,571,874
(12)	Interest During Recovery Period	\$43,376
(13)	Total Residential Group SOS Admin. Cost Under Collection	\$2,615,250
(14)	forecasted Residential Group SOS kWh for the period April 1, 2016 through March 31, 2017	2,752,764,881
(15)	Residential Group SOS Administrative Cost Reconciliation Adjustment Factor	\$0.00095

Line Descriptions:

(1) from Schedule ASC-5, Page 2 of 8

(2) from Page 2

(3) Line (1) + Line (2)

(4) from Schedule ASC-4, Page 2, column (g)

(5) Line (3) ÷ Line (4), truncated to five decimal places

(6) from Schedule ASC-5, Page 2 of 8

(7) from Page 2

(8) Line (6) + Line (7)

(9) from Schedule ASC-4, Page 2, column (d)

(10) Line (8) ÷ Line (9), truncated to five decimal places

(11) from Schedule ASC-5, Page 2 of 8

(12) from Page 2

(13) Line (11) + Line (12)

(14) from Schedule ASC-4, Page 2, column (a)

(15) Line (13) ÷ Line (14), truncated to five decimal places

Calculation of Interest During Recovery/Refund Period  
For the Standard Offer Service Administrative Cost Adjustment Over/Under Recovery During the Period Ending December 31, 2013

Residential

Commercial

Industrial

Month	Beginning Balance (1)	Recovery (2)	Ending Balance (3)	Interest Rate (4)	Interest (5)	Month	Beginning Balance (1)	Recovery (2)	Ending Balance (3)	Interest Rate (4)	Interest (5)	Month	Beginning Balance (1)	Recovery (2)	Ending Balance (3)	Interest Rate (4)	Interest (5)
Jan-16	(\$2,571,874)		(\$2,571,874)	2.54%	(\$5,444)	Jan-16	(\$803,215)		(\$803,215)	2.54%	(\$1,700)	Jan-16	(\$491,994)		(\$491,994)	2.54%	(\$1,041)
Feb-16	(\$2,577,318)		(\$2,577,318)	2.54%	(\$5,455)	Feb-16	(\$804,915)		(\$804,915)	2.54%	(\$1,704)	Feb-16	(\$493,036)		(\$493,036)	2.54%	(\$1,044)
Mar-16	(\$2,582,773)		(\$2,582,773)	2.14%	(\$4,606)	Mar-16	(\$806,619)		(\$806,619)	2.14%	(\$1,438)	Mar-16	(\$494,079)		(\$494,079)	2.14%	(\$881)
Apr-16	(\$2,587,379)	(\$215,615)	(\$2,371,764)	2.14%	(\$4,422)	Apr-16	(\$808,057)	(\$67,338)	(\$740,719)	2.14%	(\$1,381)	Apr-16	(\$494,961)	(\$41,247)	(\$453,714)	2.14%	(\$846)
May-16	(\$2,376,186)	(\$216,017)	(\$2,160,169)	2.14%	(\$4,045)	May-16	(\$742,100)	(\$67,464)	(\$674,637)	2.14%	(\$1,263)	May-16	(\$454,560)	(\$41,324)	(\$413,236)	2.14%	(\$774)
Jun-16	(\$2,164,214)	(\$216,421)	(\$1,947,793)	2.14%	(\$3,667)	Jun-16	(\$675,900)	(\$67,590)	(\$608,310)	2.14%	(\$1,145)	Jun-16	(\$414,010)	(\$41,401)	(\$372,609)	2.14%	(\$701)
Jul-16	(\$1,951,459)	(\$216,829)	(\$1,734,630)	2.14%	(\$3,287)	Jul-16	(\$609,455)	(\$67,717)	(\$541,738)	2.14%	(\$1,026)	Jul-16	(\$373,310)	(\$41,479)	(\$331,831)	2.14%	(\$629)
Aug-16	(\$1,737,917)	(\$217,240)	(\$1,520,677)	2.14%	(\$2,906)	Aug-16	(\$542,764)	(\$67,846)	(\$474,919)	2.14%	(\$907)	Aug-16	(\$332,460)	(\$41,558)	(\$290,903)	2.14%	(\$556)
Sep-16	(\$1,523,583)	(\$217,655)	(\$1,305,928)	2.14%	(\$2,523)	Sep-16	(\$475,826)	(\$67,975)	(\$407,851)	2.14%	(\$788)	Sep-16	(\$291,458)	(\$41,637)	(\$249,822)	2.14%	(\$483)
Oct-16	(\$1,308,451)	(\$218,075)	(\$1,090,376)	2.14%	(\$2,139)	Oct-16	(\$408,639)	(\$68,106)	(\$340,532)	2.14%	(\$668)	Oct-16	(\$250,304)	(\$41,717)	(\$208,587)	2.14%	(\$409)
Nov-16	(\$1,092,515)	(\$218,503)	(\$874,012)	2.14%	(\$1,753)	Nov-16	(\$341,200)	(\$68,240)	(\$272,960)	2.14%	(\$548)	Nov-16	(\$208,996)	(\$41,799)	(\$167,197)	2.14%	(\$335)
Dec-16	(\$875,765)	(\$218,941)	(\$656,824)	2.14%	(\$1,367)	Dec-16	(\$273,508)	(\$68,377)	(\$205,131)	2.14%	(\$427)	Dec-16	(\$167,532)	(\$41,883)	(\$125,649)	2.14%	(\$261)
Jan-17	(\$658,191)	(\$219,397)	(\$438,794)	2.14%	(\$978)	Jan-17	(\$205,558)	(\$68,519)	(\$137,039)	2.14%	(\$305)	Jan-17	(\$125,911)	(\$41,970)	(\$83,940)	2.14%	(\$187)
Feb-17	(\$439,772)	(\$219,886)	(\$219,886)	2.14%	(\$588)	Feb-17	(\$137,344)	(\$68,672)	(\$68,672)	2.14%	(\$184)	Feb-17	(\$84,128)	(\$42,064)	(\$42,064)	2.14%	(\$113)
Mar-17	(\$220,474)	(\$220,474)	\$0	2.14%	(\$197)	Mar-17	(\$68,856)	(\$68,856)	\$0	2.14%	(\$61)	Mar-17	(\$42,176)	(\$42,176)	\$0	2.14%	(\$38)
					<u>(\$43,376)</u>						<u>(\$13,547)</u>						<u>(\$8,298)</u>

Column Notes:

- (1) per Schedule ASC-5, Page 2, Line (3)
- (2) For Apr-2016, (Column (1)) ÷ 12. For May-2016, (Column (1)) ÷ 11, etc.
- (3) Column (1) - Column (2)
- (4) Current Rate for Customer Deposits
- (5) [(Column (1) + Column (3)) ÷ 2] x [Column (4) ÷ 12]





**THE NARRAGANSETT ELECTRIC COMPANY  
D/B/A NATIONAL GRID  
RIPUC DOCKET NO. \_\_\_\_  
2016 ELECTRIC RETAIL RATE FILING  
WITNESS: ADAM S. CRARY**

**Schedule ASC-8**

**Unbilled SOS Billing Adjustment**

### Unbilled Standard Offer Service Billing Adjustments

<b><u>Unbilled Billing Adjustment Revenue</u></b>			
Month	Net Unbilled Adjustments Residential	Net Unbilled Adjustments Commercial	Total Net Unbilled Adjustments
	(a)	(b)	(c)
Jul-15	\$81,259.52	(\$1,238.05)	\$80,021.47
Aug-15	\$96,748.64	(\$2,865.77)	\$93,882.87
Sep-15	\$6,012.27	(\$6,603.90)	(\$591.63)
Oct-15	(\$60,324.53)	(\$8,083.22)	(\$68,407.75)
Nov-15	(\$68,602.14)	(\$27,404.06)	(\$96,006.20)
Dec-15	(\$62,794.67)	(\$12,004.59)	(\$74,799.26)
Totals	(\$7,700.91)	(\$58,199.59)	(\$65,900.50)

**Column Notes:**

- (a) - (b) From Company reports - (negative values are credits)  
(c) Sum of (a) through (b)



**Schedule ASC-9**

**Calculation of Proposed Non-Bypassable  
Transition Charge**

Calculation of Proposed Non-bypassable Transition Charge for April 1, 2016

**Section 1: Individual CTC Amounts**

		<u>CTC Charge</u> (1)	<u>Forecasted GWhs</u> (2)	<u>Expected CTC Costs</u> (3)
Narragansett	2016	\$0.00050	6,286	\$3,143,000
BVE	2016	(\$0.00100)	1,671	(\$1,671,116)
Newport	2016	(\$0.00070)	654	(\$457,988)
Total CTC Costs				\$1,013,896

**Section 2: Total Estimated CTC Costs and Transition Charge Calculation**

	<u>Total Company GWhs</u> (4)	<u>Total Company CTC Costs</u> (5)
Total		
2016	8,611.385	\$1,013,896
(6) Transition Charge (¢ per kWh)		0.011

Line/Column Descriptions:

- (1) for Narragansett - per the January 2016 NEP CTC Reconciliation Report, Schedule 1, page 1, line 43, column 10  
for BVE - per the January 2016 BVE CTC Reconciliation Report, Schedule 1 BVE, page 1, column 8  
for Newport - per the January 2016 Newport CTC Reconciliation Report, Schedule 1 NWPT, page 1, column 8
- (2) for Narragansett - per the January 2016 NEP CTC Reconciliation Report, Schedule 1, page 1, line 43, column 4  
for BVE - per the January 2016 Montaup CTC Reconciliation Report, Schedule 1 BVE, page 1, column 2  
for Newport - per the January 2016 Montaup CTC Reconciliation Report, Schedule 1 NWPT, page 1, column 2
- (3) (1) x (2) x 1,000,000
- (4) Sum of Narragansett, BVE and Newport GWhs for 2016
- (5) Sum of Narragansett, BVE and Newport CTC Costs for 2016
- (6) (5) ÷ (4), converted to ¢ per kWh

The Narragansett Electric Company  
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Calculation of Proposed Non-bypassable Transition Charge for April 1, 2016

Calculation of 2016 Non-Bypassable Transition Charge

(1) Base Transition Charge per kWh	\$0.00011
(2) Transition Charge Adjustment Factor per kWh	<u>(\$0.00069)</u>
(3) Proposed Total Transition Charge for April 1, 2016	(\$0.00058)

Line Descriptions:

- (1) per page 1, item (6), converted to dollars
- (2) per Schedule ASC-10, page 4, line (3)
- (3) Line (1) + Line (2)



**Schedule ASC-10**

**Non-Bypassable Transition Charge  
Reconciliation and Non-Bypassable Transition  
Adjustment Charge Reconciliation  
For the Period January 2015 through December 2015**



**Transition Service Reconciliation  
For the Period January 2015 through December 2015**

**Base Reconciliation**

<u>Month</u>	(Under)/Over <u>Beginning</u> <u>Balance</u>	Transition <u>Charge</u> <u>Revenue</u>	Contract <u>Termination</u> <u>Expense</u>	Monthly <u>(Under)/Over</u>	(Under)/Over <u>Ending</u> <u>Balance</u>	Interest <u>Balance</u>	Interest <u>Rate</u>	Monthly <u>Interest</u>	<u>Adjustments</u>	(Under)/Over <u>Ending</u> <u>Balance</u>
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Jan-15	\$0	\$458,033	(\$288,802)	\$746,835	\$746,835	\$373,417	2.35%	\$731		\$747,566
Feb-15	\$747,566	\$550,199	(\$1,266,258)	\$1,816,457	\$2,564,023	\$1,655,794	2.35%	\$3,243		\$2,567,265
Mar-15	\$2,567,265	\$517,024	(\$1,193,551)	\$1,710,574	\$4,277,840	\$3,422,553	2.54%	\$7,244		\$4,285,084
Apr-15	\$4,285,084	(\$135,886)	(\$1,109,897)	\$974,011	\$5,259,095	\$4,772,090	2.54%	\$10,101	(\$76,299)	\$5,192,897
May-15	\$5,192,897	(\$957,515)	(\$999,517)	\$42,002	\$5,234,899	\$5,213,898	2.54%	\$11,036		\$5,245,935
Jun-15	\$5,245,935	(\$1,092,863)	(\$1,098,941)	\$6,078	\$5,252,014	\$5,248,974	2.54%	\$11,110		\$5,263,124
Jul-15	\$5,263,124	(\$1,222,619)	(\$1,228,426)	\$5,807	\$5,268,931	\$5,266,028	2.54%	\$11,146		\$5,280,078
Aug-15	\$5,280,078	(\$1,404,279)	(\$1,411,854)	\$7,576	\$5,287,653	\$5,283,865	2.54%	\$11,184		\$5,298,837
Sep-15	\$5,298,837	(\$1,408,937)	(\$1,415,836)	\$6,899	\$5,305,736	\$5,302,287	2.54%	\$11,223		\$5,316,960
Oct-15	\$5,316,960	(\$1,087,023)	(\$1,095,377)	\$8,353	\$5,325,313	\$5,321,136	2.54%	\$11,263		\$5,336,576
Nov-15	\$5,336,576	(\$984,067)	(\$992,119)	\$8,052	\$5,344,628	\$5,340,602	2.54%	\$11,304		\$5,355,933
Dec-15	\$5,355,933	(\$1,159,805)	(\$1,165,625)	\$5,820	\$5,361,753	\$5,358,843	2.54%	\$11,343		\$5,373,096
Jan-16	\$5,373,096	(\$167,766)		(\$167,766)	\$5,205,330	\$5,289,213	2.54%	\$11,196		\$5,216,525
Total	\$0	(\$8,095,505)	(\$13,266,204)	\$5,170,699	\$5,170,699			\$122,125	(\$76,299)	\$5,216,525

Column Notes:

- Column (a) prior month column (j)
- Column (b) per page 2, column (d)
- Column (c) monthly CTC bills from New England Power Company
- Column (d) Column (b) - Column (c)
- Column (e) Column (a) + Column (d)
- Column (f) [Column (a) + Column (e)] ÷ 2
- Column (g) Customer Deposit Rate
- Column (h) [Column (f) x (Column (g))] ÷ 12
- Column (i) Ending Balance from prior period reconciliation per Page 3
- Column (j) Column (e) + Column (h) + Column (i)

**Transition Service Reconciliation  
For the Period January 2015 through December 2015**

**Revenue**

<u>Month</u>	Narragansett Base Transition Service <u>Revenue</u> (a)	Blackstone Base Transition Service <u>Revenue</u> (b)	Newport Base Transition Service <u>Revenue</u> (c)	Base Transition Service Base <u>Revenues</u> (d)
(1) Jan-15	\$397,579	\$40,482	\$19,972	\$458,033
Feb-15	\$413,800	\$91,711	\$44,688	\$550,199
Mar-15	\$383,866	\$87,644	\$45,514	\$517,024
Apr-15	(\$101,396)	(\$23,353)	(\$11,138)	(\$135,886)
May-15	(\$709,442)	(\$171,573)	(\$76,500)	(\$957,515)
Jun-15	(\$820,270)	(\$189,587)	(\$83,006)	(\$1,092,863)
Jul-15	(\$915,287)	(\$214,642)	(\$92,690)	(\$1,222,619)
Aug-15	(\$1,042,864)	(\$244,505)	(\$116,910)	(\$1,404,279)
Sep-15	(\$1,054,431)	(\$236,991)	(\$117,515)	(\$1,408,937)
Oct-15	(\$809,225)	(\$184,319)	(\$93,480)	(\$1,087,023)
Nov-15	(\$729,155)	(\$175,118)	(\$79,793)	(\$984,067)
Dec-15	(\$866,081)	(\$206,439)	(\$87,285)	(\$1,159,805)
(2) Jan-16	\$0	(\$114,784)	(\$52,982)	(\$167,766)
	(\$5,852,907)	(\$1,541,475)	(\$701,124)	(\$8,095,505)

(1) Reflects kWhs consumed after January 1

(2) Reflects kWhs consumed prior to January 1

**Column Notes:**

- (a) from monthly revenue reports
- (b) from monthly revenue reports
- (c) from monthly revenue reports
- (d) Column (a) + Column (b) + Column (c)

**Transition Service Reconciliation  
For the Period January 2015 through December 2015**

**Status of Prior Period Over/(Under) Collection**

**Section 1**

**Incurred:** January 1, 2013 through December 31, 2013  
**Recovery Period:** April 1, 2014 through March 31, 2015

<u>Month</u>	<u>Beginning Over/(Under) Recovery Balance (a)</u>	<u>Transition Charge (Credit)/Charge (b)</u>	<u>Ending Over/(Under) Recovery Balance (c)</u>	<u>Interest Balance (d)</u>	<u>Interest Rate (e)</u>	<u>Monthly Interest (f)</u>	<u>Ending Balance w/ Interest (g)</u>
Jan-14	(\$1,261,666)	\$0	(\$1,261,666)	(\$1,261,666)	1.80%	(\$1,893)	(\$1,263,559)
Feb-14	(\$1,263,559)	\$0	(\$1,263,559)	(\$1,263,559)	1.80%	(\$1,895)	(\$1,265,454)
Mar-14	(\$1,265,454)	\$0	(\$1,265,454)	(\$1,265,454)	2.35%	(\$2,478)	(\$1,267,932)
(1) Apr-14	(\$1,267,932)	\$43,527	(\$1,224,405)	(\$1,246,169)	2.35%	(\$2,440)	(\$1,226,846)
May-14	(\$1,226,846)	\$94,310	(\$1,132,536)	(\$1,179,691)	2.35%	(\$2,310)	(\$1,134,846)
Jun-14	(\$1,134,846)	\$90,177	(\$1,044,669)	(\$1,089,758)	2.35%	(\$2,134)	(\$1,046,803)
Jul-14	(\$1,046,803)	\$107,661	(\$939,142)	(\$992,973)	2.35%	(\$1,945)	(\$941,087)
Aug-14	(\$941,087)	\$115,249	(\$825,838)	(\$883,462)	2.35%	(\$1,730)	(\$827,568)
Sep-14	(\$827,568)	\$104,817	(\$722,751)	(\$775,159)	2.35%	(\$1,518)	(\$724,269)
Oct-14	(\$724,269)	\$96,572	(\$627,697)	(\$675,983)	2.35%	(\$1,324)	(\$629,021)
Nov-14	(\$629,021)	\$90,620	(\$538,401)	(\$583,711)	2.35%	(\$1,143)	(\$539,544)
Dec-14	(\$539,544)	\$100,293	(\$439,252)	(\$489,398)	2.35%	(\$958)	(\$440,210)
Jan-15	(\$440,210)	\$104,863	(\$335,347)	(\$387,778)	2.35%	(\$759)	(\$336,106)
Feb-15	(\$336,106)	\$108,625	(\$227,481)	(\$281,794)	2.35%	(\$552)	(\$228,033)
Mar-15	(\$228,033)	\$101,985	(\$126,048)	(\$177,040)	2.54%	(\$375)	(\$126,423)
(2) Apr-15	(\$126,423)	\$50,338	(\$76,085)	(\$101,254)	2.54%	(\$214)	(\$76,299)

Note: Beginning Balance from Schedule JAL-9, page 1, Docket No. 4485, Feb. 2014

**Section 2**

**Incurred:** January 1, 2014 through December 31, 2014  
**Recovery Period:** April 1, 2015 through March 31, 2016

<u>Month</u>	<u>Beginning Over/(Under) Recovery Balance (a)</u>	<u>Transition Charge (Credit)/Charge (b)</u>	<u>Ending Over/(Under) Recovery Balance (c)</u>	<u>Interest Balance (d)</u>	<u>Interest Rate (e)</u>	<u>Monthly Interest (f)</u>	<u>Ending Balance w/ Interest (g)</u>
Jan-15	\$1,096,248	\$0	\$1,096,248	\$1,096,248	2.35%	\$2,147	\$1,098,395
Feb-15	\$1,098,395	\$0	\$1,098,395	\$1,098,395	2.35%	\$2,151	\$1,100,546
Mar-15	\$1,100,546	\$0	\$1,100,546	\$1,100,546	2.54%	\$2,329	\$1,102,876
(1) Apr-15	\$1,102,876	(\$24,759)	\$1,078,117	\$1,090,496	2.54%	\$2,308	\$1,080,425
May-15	\$1,080,425	(\$70,985)	\$1,009,440	\$1,044,933	2.54%	\$2,212	\$1,011,652
Jun-15	\$1,011,652	(\$82,268)	\$929,384	\$970,518	2.54%	\$2,054	\$931,438
Jul-15	\$931,438	(\$92,041)	\$839,398	\$885,418	2.54%	\$1,874	\$841,272
Aug-15	\$841,272	(\$105,681)	\$735,590	\$788,431	2.54%	\$1,669	\$737,259
Sep-15	\$737,259	(\$105,949)	\$631,310	\$684,285	2.54%	\$1,448	\$632,758
Oct-15	\$632,758	(\$81,872)	\$550,886	\$591,822	2.54%	\$1,253	\$552,138
Nov-15	\$552,138	(\$74,184)	\$477,955	\$515,047	2.54%	\$1,090	\$479,045
Dec-15	\$479,045	(\$87,409)	\$391,636	\$435,341	2.54%	\$921	\$392,558
Jan-16	\$392,558	(\$87,911)	\$304,647	\$348,602	2.54%	\$738	\$305,384
Feb-16	\$305,384	\$0	\$305,384	\$305,384	2.54%	\$646	\$306,031
Mar-16	\$306,031	\$0	\$306,031	\$306,031	2.14%	\$546	\$306,577
(2) Apr-16	\$306,577	\$0	\$306,577	\$306,577	2.14%	\$547	\$307,123

Note: Beginning Balance from Schedule JAL-9, page 1, Docket No. 4554, Feb 2015

- (1) represents revenue associated with consumption after April 1  
(2) represents revenue associated with consumption prior to April 1

**Column Notes:**

- (a) prior month column (g)  
(b) monthly revenue reports  
(c) Column (a) + Column (b)  
(d) (Column (a) + Column (c)) ÷ 2  
(e) Customer Deposits Rate  
(f) [Column (d) x (Column (e))] ÷ 12  
(g) Column (c) + Column (f)

**Transition Service Reconciliation  
For the Period January 2015 through December 2015**

**Calculation of Interest During the Refund/Recovery Period**

<u>Month</u>	<u>Beginning Balance</u> (a)	<u>Refund/(Charge)</u> (b)	<u>Ending Balance</u> (c)	<u>Interest Rate</u> (d)	<u>Interest</u> (e)
Jan-16	\$5,216,525		\$5,216,525	2.54%	\$11,042
Feb-16	\$5,227,567		\$5,227,567	2.54%	\$11,065
Mar-16	\$5,238,632		\$5,238,632	2.14%	\$9,342
Apr-16	\$5,247,974	\$437,331	\$4,810,643	2.14%	\$8,969
May-16	\$4,819,612	\$438,147	\$4,381,465	2.14%	\$8,204
Jun-16	\$4,389,670	\$438,967	\$3,950,703	2.14%	\$7,437
Jul-16	\$3,958,139	\$439,793	\$3,518,346	2.14%	\$6,667
Aug-16	\$3,525,013	\$440,627	\$3,084,386	2.14%	\$5,893
Sep-16	\$3,090,280	\$441,469	\$2,648,811	2.14%	\$5,117
Oct-16	\$2,653,928	\$442,321	\$2,211,607	2.14%	\$4,338
Nov-16	\$2,215,945	\$443,189	\$1,772,756	2.14%	\$3,557
Dec-16	\$1,776,313	\$444,078	\$1,332,235	2.14%	\$2,772
Jan-17	\$1,335,006	\$445,002	\$890,004	2.14%	\$1,984
Feb-17	\$891,988	\$445,994	\$445,994	2.14%	\$1,193
Mar-17	\$447,187	\$447,187	\$0	2.14%	\$399
					<u><u>\$87,979</u></u>

(1) Total Transition Over Collection plus Interest during Refund Period	\$5,304,503
(2) forecasted kWh deliveries for the period April 1, 2016 through March 31, 2017	<u>7,609,060,643</u>
(3) Transition Adjustment Credit Factor per kWh	(\$0.00069)

Column Notes:

- (a) Column (e) from previous month; beginning balance from page 1
- (b) For Apr, (Column (a)) ÷ 12. For May, (Column (a)) ÷ 11, etc.
- (c) Column (a) - Column (b)
- (d) Current Rate for Customer Deposits
- (e) {[Column (a) + Column (c)] ÷ 2} x Column (d) ÷ 12

Line Notes:

- (1) beginning balance in Column (a) + total interest in Column (e)
- (2) per Company forecast
- (3) [Line (1) ÷ Line (2)] x -1, truncated to 5 decimal places



**THE NARRAGANSETT ELECTRIC COMPANY  
D/B/A NATIONAL GRID  
RIPUC DOCKET NO. \_\_\_\_  
2016 ELECTRIC RETAIL RATE FILING  
WITNESS: ADAM S. CRARY**

## **Schedule ASC-11**

### **Calculation of Proposed Base Transmission Charges**

**Calculation of 2016 Base Transmission Factors**  
**Effective April 1, 2016 through March 31, 2017**

	<u>Total</u>	<u>A16/ A60</u>	<u>C06</u>	<u>G02</u>	<u>B32/G32</u>	<u>B62/G62/X01</u>	<u>S10/S14</u>
( 1 ) Estimated Transmission Expenses	\$178,151,436						
( 2 ) Coincident Peak Allocator	100.00%	44.68%	8.80%	16.72%	23.68%	5.69%	0.44%
( 3 ) Estimated 2016 Transmission Expenses by Rate Class	\$178,151,436	\$79,595,694	\$15,675,426	\$29,787,336	\$42,177,437	\$10,138,531	\$777,012
( 4 ) Allocated Estimated 2015 Transmission Expenses	\$156,492,745	\$70,919,853	\$13,296,691	\$25,030,406	\$36,125,515	\$10,443,233	\$677,047
( 5 ) Increase/(Decrease)	\$21,658,691	\$8,675,841	\$2,378,734	\$4,756,930	\$6,051,922	(\$304,701)	\$99,965
( 6 ) Percentage Increase/(Decrease)	13.84%	12.23%	17.89%	19.00%	16.75%	-2.92%	14.76%
( 7 ) Forecast 2016 Demand kW	11,834,119			4,563,104	5,938,023	1,332,993	
( 8 ) Forecast kWh for the period April 1, 2016 through March 31, 2017	7,609,060,643	3,065,917,589	601,237,481	1,297,568,314	2,054,251,445	524,568,288	65,517,525
( 9 ) Current Transmission kW Charge				\$3.02	\$3.40	\$3.22	
(10) Proposed Transmission kW Charge				\$3.59	\$3.97	\$3.22	
(11) Transmission Expenses to be Recovered on a kW Basis	\$44,263,237			\$16,399,517	\$23,571,484	\$4,292,237	
(12) Transmission Expenses to be Recovered on a kWh Basis	\$133,888,199	\$79,595,694	\$15,675,426	\$13,387,819	\$18,605,954	\$5,846,294	\$777,012
(13) Proposed Transmission kWh Charge		\$0.02596	\$0.02607	\$0.01031	\$0.00905	\$0.01114	\$0.01185

Line Descriptions:

- ( 1 ) per Schedule TMF-1, Page 1, Line (10)
- ( 2 ) per Page 2, Column (j)
- ( 3 ) Line 2 x Total Line 1
- ( 4 ) Schedule JAL-10, Page 1 of 2, Line (3), Docket No. 4554
- ( 5 ) Line 3 - Line 4
- ( 6 ) Line 5 ÷ Line 4
- ( 7 ) per Company forecast
- ( 8 ) per Company forecast
- ( 9 ) per current tariffs
- (10) Higher of current charge or Line 9 x (1 - Line 6)
- (11) Line 7 x Line 10
- (12) Line 3 - Line 11
- (13) Line 12 ÷ Line 8 truncated to five decimal places:

		Weight= 67.5%			Weight= 32.5%						
		12 Months Ended 12/31/2008			12 Months Ended 11/30/2011			Estimated - 12 Months 03/31/2017			
Line	Rate Class	MWh	Class 12CP	Load Factor at 12CP	MWh	Class 12CP	Load Factor at 12CP	Average Load Factor at 12CP	Forecasted MWh	Class 12CP	Estimated - 12 Months 03/31/2017
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	A16-A60	3,016,600	554,463	62.1%	3,126,239	567,927	62.8%	62.3%	3,065,918	561,379	44.7%
2	C-06	544,439	101,466	61.3%	565,451	101,174	63.8%	62.1%	601,237	110,557	8.8%
3	G02	1,384,485	225,130	70.2%	1,332,785	213,873	71.1%	70.5%	1,297,568	210,087	16.7%
4	B32-G32	2,106,494	306,559	78.4%	2,062,549	295,627	79.6%	78.8%	2,054,251	297,472	23.7%
5	B62-G62-X-01	581,455	77,923	85.2%	545,160	77,059	80.8%	83.7%	524,568	71,506	5.7%
6	S10-S14	70,565	5,590	144.1%	69,860	6,611	120.6%	136.5%	65,518	5,480	0.44%
7											
8	System	7,704,038	1,271,131	69.2%	7,702,044	1,262,270	69.7%		7,609,061	1,256,481	100.0%

(a) per Company records

(b) 2008 average monthly CP

(c) column (a) ÷ [column (b) x 8,760 hours]

(d) per Company records

(e) 2011 average monthly CP

(f) column (d) ÷ [column (e) x 8,760 hours]

(g) column (c) x 67.5% + column (f) x 32.5%

(h) from Company forecast

(i) column (h) ÷ column (g) ÷ 8,760 hours

(j) column (i) ÷ column (i) Total





**THE NARRAGANSETT ELECTRIC COMPANY  
D/B/A NATIONAL GRID  
RIPUC DOCKET NO. \_\_\_\_  
2016 ELECTRIC RETAIL RATE FILING  
WITNESS: ADAM S. CRARY**

**Schedule ASC-12**

**Transmission Service Reconciliation  
For the Period January 2015 through December 2015**

**Transmission Service Reconciliation  
For the Period January 2015 through December 2015**

**Base Reconciliation - All Classes**

		Over/(Under) Beginning	Transmission	Transmission	Monthly	Over/(Under) Ending
	<u>Month</u>	<u>Balance</u>	<u>Revenue</u>	<u>Expense</u>	<u>Over/(Under)</u>	<u>Balance</u>
		(a)	(b)	(c)	(d)	(e)
(1)	Jan-15	\$4,132,154	\$6,196,147	\$12,945,813	(\$6,749,666)	(\$2,617,512)
	Feb-15	(\$2,617,512)	\$13,662,189	\$13,058,290	\$603,899	(\$2,013,613)
	Mar-15	(\$2,013,613)	\$12,880,946	\$15,837,906	(\$2,956,960)	(\$4,970,573)
	Apr-15	(\$4,970,573)	\$12,030,353	\$8,510,920	\$3,519,433	(\$1,451,140)
	May-15	(\$1,451,140)	\$10,927,989	\$12,351,441	(\$1,423,452)	(\$2,874,592)
	Jun-15	(\$2,874,592)	\$12,098,681	\$14,654,838	(\$2,556,157)	(\$5,430,749)
	Jul-15	(\$5,430,749)	\$13,479,995	\$15,538,894	(\$2,058,899)	(\$7,489,648)
	Aug-15	(\$7,489,648)	\$15,422,573	\$15,657,975	(\$235,402)	(\$7,725,050)
	Sep-15	(\$7,725,050)	\$15,376,737	\$15,213,923	\$162,814	(\$7,562,236)
	Oct-15	(\$7,562,236)	\$12,111,684	\$9,748,123	\$2,363,561	(\$5,198,675)
	Nov-15	(\$5,198,675)	\$10,954,868	\$18,651,059	(\$7,696,190)	(\$12,894,865)
	Dec-15	(\$12,894,865)	\$12,671,332	\$12,914,533	(\$243,201)	(\$13,138,066)
(2)	Jan-16	(\$13,138,066)	\$7,244,937	\$0	\$7,244,937	(\$5,893,129)
	Total	\$4,132,154	\$155,058,433	\$165,083,715	(\$10,025,283)	(\$5,893,129)

**Adjustments:**

Ending Balance Over/(Under) Incurred During 2013 (\$36,971)

Ending Balance Prior to Application of Interest (\$5,930,100)

(3) Interest (\$22,549)

Base Transmission Reconciliation Balance with Interest (\$5,952,649)

(1) Reflects kWhs consumed after January 1

(2) Reflects kWhs consumed prior to January 1

(3)  $[(\text{Beginning Balance} + \text{Ending Balance}) \div 2] \times [(2.35\% \times 2/12) + (2.54\% \times 10/12)]$

**Column Notes:**

- (a) Jan.-15, True-Up of Dec. 2014 Expenses; Feb.-15 through Jan.-16, Column (e) from previous row
- (b) Page 3
- (c) Page 4
- (d) Column (b) - Column (c)
- (e) Column (a) + Column (d)

**Transmission Service Reconciliation  
For the Period January 2015 through December 2015**

**Base Reconciliation - By Rate Class**

Rate A-16/A-60						Rate C-06						Rate G-02					
	Over/(Under)						Over/(Under)						Over/(Under)				
Month	Beginning Balance	Revenue	Expense	Monthly Over/(Under)	Ending Balance	Beginning Balance	Revenue	Expense	Monthly Over/(Under)	Ending Balance	Beginning Balance	Revenue	Expense	Monthly Over/(Under)	Ending Balance		
	(a)	(b)	(c)	(d)	(e)	(a)	(b)	(c)	(d)	(e)	(a)	(b)	(c)	(d)	(e)		
Jan-15	\$1,961,230	\$3,044,300	\$6,207,178	(\$3,162,879)	(\$1,201,649)	\$303,849	\$542,438	\$1,083,835	(\$541,397)	(\$237,547)	\$635,464	\$964,897	\$1,926,957	(\$962,060)	(\$326,596)		
Feb-15	(\$1,201,649)	\$6,612,023	\$6,320,628	\$291,395	(\$910,254)	(\$237,547)	\$1,230,072	\$980,632	\$249,440	\$11,893	(\$326,596)	\$2,076,793	\$1,886,947	\$189,846	(\$136,750)		
Mar-15	(\$910,254)	\$6,009,077	\$7,458,511	(\$1,449,434)	(\$2,359,688)	\$11,893	\$1,189,600	\$1,178,875	\$10,725	\$22,618	(\$136,750)	\$2,058,615	\$2,422,512	(\$363,897)	(\$500,647)		
Apr-15	(\$2,359,688)	\$5,293,993	\$3,852,003	\$1,441,990	(\$917,698)	\$22,618	\$1,076,248	\$554,990	\$521,258	\$543,876	(\$500,647)	\$2,077,057	\$1,329,768	\$747,289	\$246,642		
May-15	(\$917,698)	\$4,439,824	\$4,434,225	\$5,599	(\$912,099)	\$543,876	\$953,297	\$1,146,346	(\$193,050)	\$350,826	\$246,642	\$1,997,477	\$2,362,117	(\$364,640)	(\$117,998)		
Jun-15	(\$912,099)	\$4,944,548	\$5,972,241	(\$1,027,694)	(\$1,939,793)	\$350,826	\$1,041,055	\$1,338,186	(\$297,131)	\$53,695	(\$117,998)	\$2,206,245	\$2,649,588	(\$443,343)	(\$561,340)		
Jul-15	(\$1,939,793)	\$6,243,043	\$7,869,243	(\$1,626,201)	(\$3,565,993)	\$53,695	\$1,150,898	\$1,157,843	(\$6,944)	\$46,750	(\$561,340)	\$2,299,920	\$2,404,423	(\$104,503)	(\$665,843)		
Aug-15	(\$3,565,993)	\$7,463,203	\$6,837,225	\$625,977	(\$2,940,016)	\$46,750	\$1,310,270	\$1,600,538	(\$290,268)	(\$243,518)	(\$665,843)	\$2,456,590	\$2,746,202	(\$289,612)	(\$955,456)		
Sep-15	(\$2,940,016)	\$7,477,818	\$7,271,058	\$206,760	(\$2,733,256)	(\$243,518)	\$1,293,854	\$1,316,520	(\$22,666)	(\$266,184)	(\$955,456)	\$2,459,770	\$2,508,417	(\$48,647)	(\$1,004,103)		
Oct-15	(\$2,733,256)	\$5,191,279	\$4,062,981	\$1,128,298	(\$1,604,958)	(\$266,184)	\$1,032,092	\$634,808	\$397,284	\$131,100	(\$1,004,103)	\$2,191,178	\$1,658,116	\$533,063	(\$471,040)		
Nov-15	(\$1,604,958)	\$4,471,352	\$8,208,787	(\$3,737,435)	(\$5,342,393)	\$131,100	\$916,402	\$1,411,110	(\$494,708)	(\$363,608)	(\$471,040)	\$1,983,150	\$2,984,555	(\$1,001,405)	(\$1,472,445)		
Dec-15	(\$5,342,393)	\$5,754,864	\$6,129,579	(\$374,715)	(\$5,717,108)	(\$363,608)	\$1,091,012	\$949,643	\$141,369	(\$222,239)	(\$1,472,445)	\$2,156,771	\$1,986,062	\$170,708	(\$1,301,737)		
Jan-16	(\$5,717,108)	\$3,418,015	\$0	\$3,418,015	(\$2,299,093)	(\$222,239)	\$623,691	\$0	\$623,691	\$401,452	(\$1,301,737)	\$1,205,722	\$0	\$1,205,722	(\$96,015)		
		\$70,363,337	\$74,623,660	(\$4,260,322)			\$13,450,929	\$13,353,326	\$97,603			\$26,134,185	\$26,865,664	(\$731,478)			
<u>Adjustments:</u>						<u>Adjustments:</u>						<u>Adjustments:</u>					
Ending Balance Over/(Under) Incurred During 2013					\$46,676	Ending Balance Over/(Under) Incurred During 2013					\$21,088	Ending Balance Over/(Under) Incurred During 2013					(\$6,935)
Total Adjustments					\$46,676	Total Adjustments					\$21,088	Total Adjustments					(\$6,935)
Ending Balance Prior to Application of Interest					(\$2,252,417)	Ending Balance Prior to Application of Interest					\$422,541	Ending Balance Prior to Application of Interest					(\$102,950)
Interest					(\$3,652)	Interest					\$9,110	Interest					\$6,679
Ending Balance Including Interest					(\$2,256,069)	Ending Balance Including Interest					\$431,651	Ending Balance Including Interest					(\$96,271)

Rate B-32/G-32						Rate B-62/G-62/X-01						Rate S-10/S-14					
	Over/(Under)						Over/(Under)						Over/(Under)				
Month	Beginning Balance	Revenue	Expense	Monthly Over/(Under)	Ending Balance	Beginning Balance	Revenue	Expense	Monthly Over/(Under)	Ending Balance	Beginning Balance	Revenue	Expense	Monthly Over/(Under)	Ending Balance		
	(a)	(b)	(c)	(d)	(e)	(a)	(b)	(c)	(d)	(e)	(a)	(b)	(c)	(d)	(e)		
Jan-15	\$959,007	\$1,338,660	\$2,954,475	(\$1,615,815)	(\$656,808)	\$215,073	\$270,346	\$623,512	(\$353,166)	(\$138,093)	\$57,532	\$35,507	\$149,857	(\$114,351)	(\$56,819)		
Feb-15	(\$656,808)	\$2,986,075	\$2,881,510	\$104,566	(\$552,242)	(\$138,093)	\$697,004	\$818,728	(\$121,724)	(\$259,817)	(\$56,819)	\$60,221	\$169,846	(\$109,624)	(\$166,443)		
Mar-15	(\$552,242)	\$2,897,282	\$3,712,724	(\$815,442)	(\$1,367,684)	(\$259,817)	\$672,581	\$881,579	(\$208,997)	(\$468,814)	(\$166,443)	\$53,791	\$183,705	(\$129,914)	(\$296,358)		
Apr-15	(\$1,367,684)	\$2,901,156	\$2,151,578	\$749,579	(\$618,105)	(\$468,814)	\$632,050	\$498,978	\$133,072	(\$335,742)	(\$296,358)	\$49,848	\$123,604	(\$73,756)	(\$370,113)		
May-15	(\$618,105)	\$2,875,810	\$3,639,308	(\$763,498)	(\$1,381,604)	(\$335,742)	\$615,013	\$769,127	(\$154,114)	(\$489,856)	(\$370,113)	\$46,568	\$317	\$46,251	(\$323,862)		
Jun-15	(\$1,381,604)	\$3,222,732	\$3,893,282	(\$670,550)	(\$2,052,153)	(\$489,856)	\$645,495	\$801,223	(\$155,728)	(\$645,584)	(\$323,862)	\$38,607	\$318	\$38,289	(\$285,573)		
Jul-15	(\$2,052,153)	\$3,141,371	\$3,355,988	(\$214,617)	(\$2,266,771)	(\$645,584)	\$604,448	\$751,107	(\$146,659)	(\$792,244)	(\$285,573)	\$40,315	\$289	\$40,026	(\$245,547)		
Aug-15	(\$2,266,771)	\$3,338,264	\$3,612,672	(\$274,408)	(\$2,541,178)	(\$792,244)	\$808,225	\$861,072	(\$52,848)	(\$845,091)	(\$245,547)	\$46,022	\$265	\$45,757	(\$199,790)		
Sep-15	(\$2,541,178)	\$3,343,664	\$3,360,285	(\$16,621)	(\$2,557,799)	(\$845,091)	\$750,332	\$757,370	(\$7,038)	(\$852,129)	(\$199,790)	\$51,299	\$272	\$51,026	(\$148,764)		
Oct-15	(\$2,557,799)	\$2,951,855	\$2,698,105	\$253,750	(\$2,304,050)	(\$852,129)	\$689,315	\$559,217	\$130,098	(\$722,031)	(\$148,764)	\$55,964	\$134,896	(\$78,932)	(\$227,696)		
Nov-15	(\$2,304,050)	\$2,887,578	\$4,518,334	(\$1,630,756)	(\$3,934,806)	(\$722,031)	\$634,884	\$1,291,009	(\$656,125)	(\$1,378,156)	(\$227,696)	\$61,503	\$237,265	(\$175,761)	(\$403,458)		
Dec-15	(\$3,934,806)	\$2,964,662	\$2,997,256	(\$32,594)	(\$3,967,400)	(\$1,378,156)	\$632,632	\$672,184	(\$39,553)	(\$1,417,709)	(\$403,458)	\$71,392	\$179,808	(\$108,416)	(\$511,874)		
Jan-16	(\$3,967,400)	\$1,629,445	\$0	\$1,629,445	(\$2,337,955)	(\$1,417,709)	\$325,243	\$0	\$325,243	(\$1,092,466)	(\$511,874)	\$42,821	\$0	\$42,821	(\$469,053)		
		\$36,478,555	\$39,775,517	(\$3,296,962)			\$7,977,567	\$9,285,106	(\$1,307,539)			\$653,859	\$1,180,443	(\$526,584)			
<u>Adjustments:</u>						<u>Adjustments:</u>						<u>Adjustments:</u>					
Ending Balance Over/(Under) Incurred During 2013					\$41,921	Ending Balance Over/(Under) Incurred During 2013					(\$116,095)	Ending Balance Over/(Under) Incurred During 2013					(\$23,626)
Total Adjustments					\$41,921	Total Adjustments					(\$116,095)	Total Adjustments					(\$23,626)
Ending Balance Prior to Application of Interest					(\$2,296,034)	Ending Balance Prior to Application of Interest					(\$1,208,561)	Ending Balance Prior to Application of Interest					(\$492,679)
Interest					(\$16,769)	Interest					(\$12,460)	Interest					(\$5,457)
Ending Balance Including Interest					(\$2,312,803)	Ending Balance Including Interest					(\$1,221,021)	Ending Balance Including Interest					(\$498,136)

Column Notes:

- (a) Jan.-15, True-Up of Dec. 2014 Expenses; Feb.-15 through Jan.-16, Column (e) from previous month
- (b) Page 3
- (c) Page 4
- (d) Column (b) - Column(c)
- (e) Column (a) + Column(d)

**Transmission Service Reconciliation  
For the Period January 2015 through December 2015**

**Revenue By Rate Class**

Rate A-16/A-60					Rate C-06				Rate G-02			
Month	Transmission				Transmission				Transmission			
	Total	Uncollectible	Related	Base	Total	Uncollectible	Related	Base	Total	Uncollectible	Related	Base
	Revenue	Factor	HMV	Revenue	Revenue	Factor	HMV	Revenue	Revenue	Factor	HMV	Revenue
	(a)	(b)	(c)	(d)	(a)	(b)	(c)	(d)	(a)	(b)	(c)	(d)
(1) Jan-15	\$3,083,893	\$39,593		\$3,044,300	\$548,734	\$6,296		\$542,438	\$978,043	\$12,989	(\$157)	\$964,897
Feb-15	\$6,698,006	\$85,983		\$6,612,023	\$1,244,356	\$14,283		\$1,230,072	\$2,105,136	\$27,998	(\$345)	\$2,076,793
Mar-15	\$6,087,225	\$78,148		\$6,009,077	\$1,203,421	\$13,821		\$1,189,600	\$2,086,496	\$27,566	(\$315)	\$2,058,615
(2) Apr-15	\$5,363,828	\$69,835		\$5,293,993	\$1,088,941	\$12,693		\$1,076,248	\$2,104,581	\$27,125	(\$398)	\$2,077,057
May-15	\$4,498,956	\$59,132		\$4,439,824	\$964,680	\$11,384		\$953,297	\$2,022,938	\$25,097	(\$365)	\$1,997,477
Jun-15	\$5,010,389	\$65,841		\$4,944,548	\$1,053,473	\$12,419		\$1,041,055	\$2,235,022	\$28,401	(\$376)	\$2,206,245
Jul-15	\$6,326,174	\$83,132		\$6,243,043	\$1,164,632	\$13,734		\$1,150,898	\$2,330,718	\$30,372	(\$426)	\$2,299,920
Aug-15	\$7,562,518	\$99,316		\$7,463,203	\$1,325,903	\$15,633		\$1,310,270	\$2,490,238	\$33,194	(\$455)	\$2,456,590
Sep-15	\$7,577,425	\$99,607		\$7,477,818	\$1,309,301	\$15,447		\$1,293,854	\$2,493,922	\$33,731	(\$421)	\$2,459,770
Oct-15	\$5,260,426	\$69,147		\$5,191,279	\$1,044,407	\$12,314		\$1,032,092	\$2,219,314	\$27,732	(\$404)	\$2,191,178
Nov-15	\$4,530,883	\$59,531		\$4,471,352	\$927,343	\$10,941		\$916,402	\$2,008,024	\$24,522	(\$352)	\$1,983,150
Dec-15	\$5,831,492	\$76,628		\$5,754,864	\$1,104,029	\$13,017		\$1,091,012	\$2,185,162	\$28,020	(\$371)	\$2,156,771
(3) Jan-16	\$3,463,528	\$45,513		\$3,418,015	\$631,133	\$7,441		\$623,691	\$1,221,704	\$15,775	(\$207)	\$1,205,722
Total	\$71,294,742	\$931,404	\$0	\$70,363,337	\$13,610,353	\$159,423	\$0	\$13,450,929	\$26,481,298	\$342,521	(\$4,592)	\$26,134,185

  

Rate B-32/G-32					Rate B-62/G-62/X-01				Rate SL			
Month	Transmission				Transmission				Transmission			
	Total	Uncollectible	Related	Base	Total	Uncollectible	Related	Base	Total	Uncollectible	Related	Base
	Revenue	Factor	HMV	Revenue	Revenue	Factor	HMV	Revenue	Revenue	Factor	HMV	Revenue
	(a)	(b)	(c)	(d)	(a)	(b)	(c)	(d)	(a)	(b)	(c)	(d)
(1) Jan-15	\$1,359,540	\$17,624	(\$3,256)	\$1,338,660	\$276,807	\$3,689	(\$2,772)	\$270,346	\$36,238	\$732		\$35,507
Feb-15	\$3,033,090	\$39,481	(\$7,533)	\$2,986,075	\$713,943	\$9,684	(\$7,255)	\$697,004	\$61,462	\$1,241		\$60,221
Mar-15	\$2,942,046	\$37,460	(\$7,303)	\$2,897,282	\$688,828	\$9,311	(\$6,936)	\$672,581	\$54,899	\$1,109		\$53,791
(2) Apr-15	\$2,947,982	\$39,217	(\$7,609)	\$2,901,156	\$647,722	\$9,003	(\$6,669)	\$632,050	\$51,021	\$1,173		\$49,848
May-15	\$2,923,180	\$39,516	(\$7,855)	\$2,875,810	\$630,719	\$8,870	(\$6,836)	\$615,013	\$47,790	\$1,222		\$46,568
Jun-15	\$3,275,290	\$43,371	(\$9,188)	\$3,222,732	\$662,017	\$9,316	(\$7,206)	\$645,495	\$39,620	\$1,013		\$38,607
Jul-15	\$3,193,677	\$43,757	(\$8,548)	\$3,141,371	\$619,795	\$8,641	(\$6,706)	\$604,448	\$41,373	\$1,058		\$40,315
Aug-15	\$3,394,302	\$46,427	(\$9,611)	\$3,338,264	\$829,369	\$11,937	(\$9,208)	\$808,225	\$47,229	\$1,208		\$46,022
Sep-15	\$3,400,616	\$47,648	(\$9,304)	\$3,343,664	\$769,715	\$10,922	(\$8,461)	\$750,332	\$52,645	\$1,346		\$51,299
Oct-15	\$2,999,173	\$39,368	(\$7,949)	\$2,951,855	\$707,036	\$9,960	(\$7,760)	\$689,315	\$57,432	\$1,469		\$55,964
Nov-15	\$2,934,455	\$38,849	(\$8,028)	\$2,887,578	\$650,752	\$8,824	(\$7,045)	\$634,884	\$63,117	\$1,614		\$61,503
Dec-15	\$3,014,724	\$41,839	(\$8,223)	\$2,964,662	\$649,363	\$9,614	(\$7,117)	\$632,632	\$73,266	\$1,873		\$71,392
(3) Jan-16	\$1,656,530	\$22,705	(\$4,381)	\$1,629,445	\$333,615	\$4,745	(\$3,627)	\$325,243	\$43,945	\$1,124		\$42,821
Total	\$37,074,605	\$497,262	(\$98,789)	\$36,478,555	\$8,179,679	\$114,516	(\$87,595)	\$7,977,567	\$670,038	\$16,180	\$0	\$653,859

- (1) Reflects revenue associated with consumption on and after Jan 1  
(2) Column (b) reflects uncollectible factor change effective April 1  
(3) Reflects revenue associated with consumption before Jan 1

**Column Notes:**

- (a) from monthly revenue reports  
(b) Schedule ASC-15, page 2  
(c) from monthly revenue reports  
(d) Column (a) - Column (b) + Column (c)

**Transmission Service Reconciliation  
For the Period January 2015 through December 2015**

**Annual Expense**

	NEPOOL PTF <u>Expenses</u> (a)	NEP Non-PTF <u>Expenses</u> (b)	Other ISO Regional <u>Charges</u> (c)	ISO Administrative <u>Expenses</u> (d)	Total Transmission <u>Expense</u> (e)
Jan-15	\$9,358,327	\$3,083,476	\$294,275	\$209,734	\$12,945,813
Feb-15	\$9,299,553	\$3,226,404	\$326,802	\$205,532	\$13,058,290
Mar-15	\$8,497,617	\$6,888,659	\$261,043	\$190,587	\$15,837,906
Apr-15	\$7,130,776	\$1,685,022	(\$463,246)	\$158,370	\$8,510,920
May-15	\$8,294,146	\$4,015,592	(\$141,969)	\$183,673	\$12,351,441
Jun-15	\$11,536,310	\$2,439,141	\$454,415	\$224,972	\$14,654,838
Jul-15	\$13,847,607	\$964,001	\$454,021	\$273,264	\$15,538,894
Aug-15	\$14,109,301	\$814,161	\$455,296	\$279,218	\$15,657,975
Sep-15	\$13,688,545	\$813,659	\$439,373	\$272,346	\$15,213,923
Oct-15	\$8,644,735	\$588,731	\$344,791	\$169,866	\$9,748,123
Nov-15	\$9,103,220	\$9,022,580	\$341,755	\$183,504	\$18,651,059
(1) Dec-15	\$9,986,349	\$2,690,036	\$0	\$238,148	\$12,914,533
Total	\$123,496,487	\$36,231,460	\$2,766,555	\$2,589,213	\$165,083,715

(1) estimated

Column descriptions:

- (a) - (d) per monthly NEP and ISO Bills
- (e) sum of columns (a) - (d)

**Transmission Expense by Rate Class**

	A-16/A60 (f)	C-06 (g)	G-02 (h)	B-32 / G-32 (i)	B-62/G-62/X-01 (j)	S-10 / S-14 (k)	Total (l)
Jan-15	\$6,207,178	\$1,083,835	\$1,926,957	\$2,954,475	\$623,512	\$149,857	\$12,945,813
Feb-15	\$6,320,628	\$980,632	\$1,886,947	\$2,881,510	\$818,728	\$169,846	\$13,058,290
Mar-15	\$7,458,511	\$1,178,875	\$2,422,512	\$3,712,724	\$881,579	\$183,705	\$15,837,906
Apr-15	\$3,852,003	\$554,990	\$1,329,768	\$2,151,578	\$498,978	\$123,604	\$8,510,920
May-15	\$4,434,225	\$1,146,346	\$2,362,117	\$3,639,308	\$769,127	\$317	\$12,351,441
Jun-15	\$5,972,241	\$1,338,186	\$2,649,588	\$3,893,282	\$801,223	\$318	\$14,654,838
Jul-15	\$7,869,243	\$1,157,843	\$2,404,423	\$3,355,988	\$751,107	\$289	\$15,538,894
Aug-15	\$6,837,225	\$1,600,538	\$2,746,202	\$3,612,672	\$861,072	\$265	\$15,657,975
Sep-15	\$7,271,058	\$1,316,520	\$2,508,417	\$3,360,285	\$757,370	\$272	\$15,213,923
Oct-15	\$4,062,981	\$634,808	\$1,658,116	\$2,698,105	\$559,217	\$134,896	\$9,748,123
Nov-15	\$8,208,787	\$1,411,110	\$2,984,555	\$4,518,334	\$1,291,009	\$237,265	\$18,651,059
Dec-15	\$6,129,579	\$949,643	\$1,986,062	\$2,997,256	\$672,184	\$179,808	\$12,914,533
Total	\$74,623,660	\$13,353,326	\$26,865,664	\$39,775,517	\$9,285,106	\$1,180,443	\$165,083,715

(f) Column (e) x Page 5, column (i)

(g) Column (e) x Page 5, column (j)

(h) Column (e) x Page 5, column (k)

(i) Column (e) x Page 5, column (l)

(j) Column (e) x Page 5, column (m)

(k) Column (e) x Page 5, column (n)

(l) sum of columns (f) through (k)

Transmission Service Reconciliation  
For the Period January 2015 through December 2015

Development of Coincident Peak Allocation Factor

	<u>Total</u> (a)	<u>A-16/A60</u> (b)	<u>C-06</u> (c)	<u>G-02</u> (d)	<u>B-32 / G-32</u> (e)	<u>B-62/ G-62/ X-01</u> (f)	<u>S-10 / S-14</u> (g)
Jan-2015	1,225,062	587,385	102,563	182,348	279,582	59,003	14,181
Feb-2015	1,241,628	600,987	93,242	179,418	273,984	77,848	16,150
Mar-2015	1,139,168	536,466	84,793	174,243	267,044	63,409	13,213
Apr-2015	955,503	432,456	62,308	149,290	241,553	56,019	13,877
May-2015	1,117,848	401,313	103,748	213,780	329,370	69,609	29
Jun-2015	1,321,155	538,406	120,639	238,864	350,985	72,231	29
Jul-2015	1,538,518	779,140	114,639	238,064	332,279	74,368	29
Aug-2015	1,686,018	736,218	172,343	295,705	389,005	92,718	29
Sep-2015	1,594,510	762,050	137,979	262,897	352,178	79,377	29
Oct-2014	1,020,951	425,529	66,485	173,660	282,581	58,569	14,128
Nov-2014	1,135,385	499,711	85,901	181,685	275,054	78,590	14,444
Dec-2014	1,162,971	551,977	85,517	178,848	269,907	60,531	16,192
Total	15,138,719	6,851,639	1,230,157	2,468,801	3,643,522	842,272	102,327

Coincident Peak Data - kW as Percentage of Total Monthly kW  
Rate Class Contribution as a Percentage of Total

	<u>Total</u> (h)	<u>A-16/A60</u> (i)	<u>C-06</u> (j)	<u>G-02</u> (k)	<u>B-32 / G-32</u> (l)	<u>B-62/ G-62/ X-01</u> (m)	<u>S-10 / S-14</u> (n)
Jan-2015	100.0%	47.9%	8.4%	14.9%	22.8%	4.8%	1.2%
Feb-2015	100.0%	48.4%	7.5%	14.5%	22.1%	6.3%	1.3%
Mar-2015	100.0%	47.1%	7.4%	15.3%	23.4%	5.6%	1.2%
Apr-2015	100.0%	45.3%	6.5%	15.6%	25.3%	5.9%	1.5%
May-2015	100.0%	35.9%	9.3%	19.1%	29.5%	6.2%	0.0%
Jun-2015	100.0%	40.8%	9.1%	18.1%	26.6%	5.5%	0.0%
Jul-2015	100.0%	50.6%	7.5%	15.5%	21.6%	4.8%	0.0%
Aug-2015	100.0%	43.7%	10.2%	17.5%	23.1%	5.5%	0.0%
Sep-2015	100.0%	47.8%	8.7%	16.5%	22.1%	5.0%	0.0%
Oct-2014	100.0%	41.7%	6.5%	17.0%	27.7%	5.7%	1.4%
Nov-2014	100.0%	44.0%	7.6%	16.0%	24.2%	6.9%	1.3%
Dec-2014	100.0%	47.5%	7.4%	15.4%	23.2%	5.2%	1.4%
Total	100.0%	45.3%	8.1%	16.3%	24.1%	5.6%	0.7%

Transmission Service Reconciliation  
For the Period January 2015 through December 2015

Status of Prior Period Over/(Under) Collection

Incurred: January 1, 2013 through December 31, 2013  
Recovery Period: April 1, 2014 through March 31, 2015

Rate A-16/A-60								Rate C-06								Rate G-02							
	Over/(Under) Beginning Balance	Charge/ (Refund)	Ending Balance	Interest Balance	Interest Rate	Interest	Ending Over/(Under) Recovery w/ Interest	Over/(Under) Beginning Balance	Charge/ (Refund)	Ending Balance	Interest Balance	Interest Rate	Interest	Ending Over/(Under) Recovery w/ Interest	Over/(Under) Beginning Balance	Charge/ (Refund)	Ending Balance	Interest Balance	Interest Rate	Interest	Ending Over/(Under) Recovery w/ Interest		
Month	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(a)	(b)	(c)	(d)	(e)	(f)	(g)		
Jan-14	\$1,207,239		\$1,207,239	\$1,207,239	1.80%	\$1,811	\$1,209,050	\$1,529,316		\$1,529,316	\$1,529,316	1.80%	\$2,294	\$1,531,610	\$1,997,188		\$1,997,188	\$1,997,188	1.80%	\$2,996	\$2,000,184		
Feb-14	\$1,209,050		\$1,209,050	\$1,209,050	1.80%	\$1,814	\$1,210,863	\$1,531,610		\$1,531,610	\$1,531,610	1.80%	\$2,297	\$1,533,907	\$2,000,184		\$2,000,184	\$2,000,184	1.80%	\$3,000	\$2,003,184		
Mar-14	\$1,210,863		\$1,210,863	\$1,210,863	2.35%	\$2,371	\$1,213,235	\$1,533,907		\$1,533,907	\$1,533,907	2.35%	\$3,004	\$1,536,911	\$2,003,184		\$2,003,184	\$2,003,184	2.35%	\$3,923	\$2,007,107		
(1) Apr-14	\$1,213,235	(\$56,241)	\$1,156,993	\$1,185,114	2.35%	\$2,321	\$1,159,314	\$1,536,911	(\$41,790)	\$1,495,122	\$1,516,017	2.35%	\$2,969	\$1,498,091	\$2,007,107	(\$68,693)	\$1,938,414	\$1,972,760	2.35%	\$3,863	\$1,942,277		
May-14	\$1,159,314	(\$84,745)	\$1,074,569	\$1,116,942	2.35%	\$2,187	\$1,076,757	\$1,498,091	(\$117,112)	\$1,380,979	\$1,439,535	2.35%	\$2,819	\$1,383,798	\$1,942,277	(\$163,580)	\$1,778,697	\$1,860,487	2.35%	\$3,643	\$1,782,340		
Jun-14	\$1,076,757	(\$78,562)	\$998,194	\$1,037,475	2.35%	\$2,032	\$1,000,226	\$1,383,798	(\$115,922)	\$1,267,876	\$1,325,837	2.35%	\$2,596	\$1,270,472	\$1,782,340	(\$159,936)	\$1,622,405	\$1,702,373	2.35%	\$3,334	\$1,625,739		
Jul-14	\$1,000,226	(\$106,822)	\$893,404	\$946,815	2.35%	\$1,854	\$895,258	\$1,270,472	(\$135,886)	\$1,134,586	\$1,202,529	2.35%	\$2,355	\$1,136,941	\$1,625,739	(\$184,314)	\$1,441,425	\$1,533,582	2.35%	\$3,003	\$1,444,428		
Aug-14	\$895,258	(\$115,972)	\$779,286	\$837,272	2.35%	\$1,640	\$780,926	\$1,136,941	(\$146,321)	\$990,620	\$1,063,781	2.35%	\$2,083	\$992,703	\$1,444,428	(\$193,448)	\$1,250,980	\$1,347,704	2.35%	\$2,639	\$1,253,619		
Sep-14	\$780,926	(\$105,635)	\$675,291	\$728,108	2.35%	\$1,426	\$676,717	\$992,703	(\$139,076)	\$853,628	\$923,166	2.35%	\$1,808	\$855,436	\$1,253,619	(\$188,432)	\$1,065,187	\$1,159,403	2.35%	\$2,271	\$1,067,458		
Oct-14	\$676,717	(\$82,161)	\$594,556	\$635,636	2.35%	\$1,245	\$595,801	\$855,436	(\$116,906)	\$738,529	\$796,983	2.35%	\$1,561	\$740,090	\$1,067,458	(\$164,642)	\$902,816	\$985,137	2.35%	\$1,929	\$904,746		
Nov-14	\$595,801	(\$80,913)	\$514,887	\$555,344	2.35%	\$1,088	\$515,975	\$740,090	(\$110,995)	\$629,095	\$684,593	2.35%	\$1,341	\$630,436	\$904,746	(\$153,346)	\$751,399	\$828,073	2.35%	\$1,622	\$753,021		
Dec-14	\$515,975	(\$98,316)	\$417,659	\$466,817	2.35%	\$914	\$418,573	\$630,436	(\$125,770)	\$504,666	\$567,551	2.35%	\$1,111	\$505,777	\$753,021	(\$169,723)	\$583,298	\$668,160	2.35%	\$1,308	\$584,606		
Jan-15	\$418,573	(\$110,830)	\$307,743	\$363,158	2.35%	\$711	\$308,454	\$505,777	(\$136,012)	\$369,766	\$437,771	2.35%	\$857	\$370,623	\$584,606	(\$168,622)	\$415,985	\$500,296	2.35%	\$980	\$416,965		
Feb-15	\$308,454	(\$112,693)	\$195,761	\$252,107	2.35%	\$494	\$196,255	\$370,623	(\$144,381)	\$226,242	\$298,432	2.35%	\$584	\$226,826	\$416,965	(\$170,139)	\$246,826	\$331,895	2.35%	\$650	\$247,476		
Mar-15	\$196,255	(\$102,430)	\$93,824	\$145,040	2.54%	\$307	\$94,131	\$226,826	(\$139,527)	\$87,299	\$157,062	2.54%	\$332	\$87,631	\$247,476	(\$167,516)	\$79,959	\$163,718	2.54%	\$347	\$80,306		
(2) Apr-15	\$94,131	(\$47,605)	\$46,527	\$70,329	2.54%	\$149	\$46,676	\$87,631	(\$66,658)	\$20,973	\$54,302	2.54%	\$115	\$21,088	\$80,306	(\$87,319)	(\$7,013)	\$36,646	2.54%	\$78	(\$6,935)		
(\$1,182,926)								(\$1,536,355)								(\$2,039,709)							

Rate B-32/G-32								Rate B-62/G-62/X-01								Rate SL							
	Over/(Under)						Ending		Over/(Under)						Ending		Over/(Under)						Ending
	Beginning	Charge/	Ending	Interest	Interest		Over/(Under)	Beginning	Charge/	Ending	Interest	Interest		Over/(Under)	Over/(Under)	Beginning	Charge/	Ending	Interest	Interest		Over/(Under)	
Month	Balance	(Refund)	Balance	Balance	Rate	Interest	Recovery w/ Interest	Balance	(Refund)	Balance	Balance	Rate	Interest	Recovery w/ Interest	Balance	Balance	(Refund)	Balance	Balance	Rate	Interest	Recovery w/ Interest	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(a)	(b)	(c)	(d)	(e)	(f)	(g)		
Jan-14	\$1,162,346		\$1,162,346	\$1,162,346	1.80%	\$1,744	\$1,164,090	(\$615,258)		(\$615,258)	(\$615,258)	1.80%	(\$923)	(\$616,181)	(\$366,210)		(\$366,210)	(\$366,210)	1.80%	(\$549)	(\$366,759)		
Feb-14	\$1,164,090		\$1,164,090	\$1,164,090	1.80%	\$1,746	\$1,165,836	(\$616,181)		(\$616,181)	(\$616,181)	1.80%	(\$924)	(\$617,105)	(\$366,759)		(\$366,759)	(\$366,759)	1.80%	(\$550)	(\$367,309)		
Mar-14	\$1,165,836		\$1,165,836	\$1,165,836	2.35%	\$2,283	\$1,168,119	(\$617,105)		(\$617,105)	(\$617,105)	2.35%	(\$1,209)	(\$618,314)	(\$367,309)		(\$367,309)	(\$367,309)	2.35%	(\$719)	(\$368,029)		
(1) Apr-14	\$1,168,119	(\$32,144)	\$1,135,975	\$1,152,047	2.35%	\$2,256	\$1,138,231	(\$618,314)	(\$1,532)	(\$619,845)	(\$619,080)	2.35%	(\$1,212)	(\$621,058)	(\$368,029)	\$17,497	(\$350,532)	(\$359,280)	2.35%	(\$704)	(\$351,236)		
May-14	\$1,138,231	(\$91,191)	\$1,047,040	\$1,092,635	2.35%	\$2,140	\$1,049,180	(\$621,058)	\$51,829	(\$569,229)	(\$595,144)	2.35%	(\$1,165)	(\$570,395)	(\$351,236)	\$25,241	(\$325,995)	(\$338,615)	2.35%	(\$663)	(\$326,658)		
Jun-14	\$1,049,180	(\$91,119)	\$958,061	\$1,003,620	2.35%	\$1,965	\$960,026	(\$570,395)	\$47,582	(\$522,813)	(\$546,604)	2.35%	(\$1,070)	(\$523,883)	(\$326,658)	\$19,443	(\$307,215)	(\$316,936)	2.35%	(\$621)	(\$307,835)		
Jul-14	\$960,026	(\$99,010)	\$861,017	\$910,522	2.35%	\$1,783	\$862,800	(\$523,883)	\$50,249	(\$473,634)	(\$498,759)	2.35%	(\$977)	(\$474,611)	(\$307,835)	\$21,172	(\$286,663)	(\$297,249)	2.35%	(\$582)	(\$287,246)		
Aug-14	\$862,800	(\$110,455)	\$752,345	\$807,572	2.35%	\$1,582	\$753,926	(\$474,611)	\$99,274	(\$375,337)	(\$424,974)	2.35%	(\$832)	(\$376,169)	(\$287,246)	\$22,587	(\$264,658)	(\$275,952)	2.35%	(\$540)	(\$265,199)		
Sep-14	\$753,926	(\$102,328)	\$651,598	\$702,762	2.35%	\$1,376	\$652,974	(\$376,169)	\$37,439	(\$338,730)	(\$357,449)	2.35%	(\$700)	(\$339,430)	(\$265,199)	\$28,590	(\$236,609)	(\$250,904)	2.35%	(\$491)	(\$237,100)		
Oct-14	\$652,974	(\$95,209)	\$557,765	\$605,370	2.35%	\$1,186	\$558,951	(\$339,430)	(\$8,349)	(\$347,779)	(\$343,604)	2.35%	(\$673)	(\$348,452)	(\$237,100)	\$30,567	(\$206,533)	(\$221,817)	2.35%	(\$434)	(\$206,968)		
Nov-14	\$558,951	(\$91,820)	\$467,130	\$513,041	2.35%	\$1,005	\$468,135	(\$348,452)	\$49,483	(\$298,969)	(\$323,710)	2.35%	(\$634)	(\$299,602)	(\$206,968)	\$32,537	(\$174,431)	(\$190,699)	2.35%	(\$373)	(\$174,804)		
Dec-14	\$468,135	(\$95,360)	\$372,775	\$420,455	2.35%	\$823	\$373,599	(\$299,602)	\$42,006	(\$257,597)	(\$278,600)	2.35%	(\$546)	(\$258,142)	(\$174,804)	\$37,769	(\$137,035)	(\$155,920)	2.35%	(\$305)	(\$137,341)		
Jan-15	\$373,599	(\$93,304)	\$280,294	\$326,947	2.35%	\$640	\$280,935	(\$258,142)	\$35,981	(\$222,161)	(\$240,152)	2.35%	(\$470)	(\$222,632)	(\$137,341)	\$40,122	(\$97,219)	(\$117,280)	2.35%	(\$230)	(\$97,448)		
Feb-15	\$280,935	(\$97,845)	\$183,089	\$232,012	2.35%	\$454	\$183,544	(\$222,632)	\$44,211	(\$178,420)	(\$200,526)	2.35%	(\$393)	(\$178,813)	(\$97,448)	\$31,853	(\$65,595)	(\$81,522)	2.35%	(\$160)	(\$65,755)		
Mar-15	\$183,544	(\$92,836)	\$90,708	\$137,126	2.54%	\$290	\$90,998	(\$178,813)	\$42,506	(\$136,307)	(\$157,560)	2.54%	(\$334)	(\$136,640)	(\$65,755)	\$28,453	(\$37,302)	(\$51,529)	2.54%	(\$109)	(\$37,411)		
(2) Apr-15	\$90,998	(\$49,217)	\$41,781	\$66,389	2.54%	\$141	\$41,921	(\$136,640)	\$20,813	(\$115,828)	(\$126,234)	2.54%	(\$267)	(\$116,095)	(\$37,411)	\$13,849	(\$23,562)	(\$30,486)	2.54%	(\$65)	(\$23,626)		
(\$1,141,839)								\$511,492								\$349,680							

(1) Reflects kWhs consumed on and after to April 1  
(2) Reflects kWhs consumed prior to April 1

Column Notes:

- (a) Column (g) from previous month; beginning balance from Schedule JAL-11, page 2, Line 11, Docket No. 4485
- (b) from monthly revenue reports
- (c) Column (a) + Column (b)
- (d) (Column (a) + Column (c)) ÷ 2
- (e) Current Rate for Customer Deposits
- (f) Column (d) x (Column (e)) ÷ 12
- (g) Column (c) + Column (f)



**Transmission Service Reconciliation  
For the Period January 2015 through December 2015**

**Status of Prior Period Over/(Under) Collection**

**Incurred:** January 1, 2014 through December 31, 2014  
**Recovery Period:** April 1, 2015 through March 31, 2016

Rate A-16/A-60								Rate C-06						Rate G-02							
	Over/(Under) Beginning Balance	Charge/ (Refund)	Ending Balance	Interest Balance	Interest Rate	Interest	Ending Over/(Under) Recovery w/ Interest	Over/(Under) Beginning Balance	Charge/ (Refund)	Ending Balance	Interest Balance	Interest Rate	Interest	Ending Over/(Under) Recovery w/ Interest	Over/(Under) Beginning Balance	Charge/ (Refund)	Ending Balance	Interest Balance	Interest Rate	Interest	Ending Over/(Under) Recovery w/ Interest
Month	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(a)	(b)	(c)	(d)	(e)	(f)	(g)
Jan-15	(\$2,015,720)		(\$2,015,720)	(\$2,015,720)	2.35%	(\$3,947)	(\$2,019,667)	\$1,261,377		\$1,261,377	\$1,261,377	2.35%	\$2,470	\$1,263,847	\$639,844		\$639,844	\$639,844	2.35%	\$1,253	\$641,097
Feb-15	(\$2,019,667)		(\$2,019,667)	(\$2,019,667)	2.35%	(\$3,955)	(\$2,023,623)	\$1,263,847		\$1,263,847	\$1,263,847	2.35%	\$2,475	\$1,266,322	\$641,097		\$641,097	\$641,097	2.35%	\$1,255	\$642,353
Mar-15	(\$2,023,623)		(\$2,023,623)	(\$2,023,623)	2.54%	(\$4,283)	(\$2,027,906)	\$1,266,322		\$1,266,322	\$1,266,322	2.54%	\$2,680	\$1,269,003	\$642,353		\$642,353	\$642,353	2.54%	\$1,360	\$643,712
(1) Apr-15	(\$2,027,906)	\$51,116	(\$1,976,790)	(\$2,002,348)	2.54%	(\$4,238)	(\$1,981,028)	\$1,269,003	(\$51,157)	\$1,217,845	\$1,243,424	2.54%	\$2,632	\$1,220,477	\$643,712	(\$34,461)	\$609,251	\$626,482	2.54%	\$1,326	\$610,578
May-15	(\$1,981,028)	\$126,199	(\$1,854,829)	(\$1,917,929)	2.54%	(\$4,060)	(\$1,858,889)	\$1,220,477	(\$91,814)	\$1,128,663	\$1,174,570	2.54%	\$2,486	\$1,131,149	\$610,578	(\$52,589)	\$557,988	\$584,283	2.54%	\$1,237	\$559,225
Jun-15	(\$1,858,889)	\$142,510	(\$1,716,379)	(\$1,787,634)	2.54%	(\$3,784)	(\$1,720,162)	\$1,131,149	(\$100,391)	\$1,030,758	\$1,080,953	2.54%	\$2,288	\$1,033,046	\$559,225	(\$55,819)	\$503,406	\$531,315	2.54%	\$1,125	\$504,531
Jul-15	(\$1,720,162)	\$179,933	(\$1,540,229)	(\$1,630,196)	2.54%	(\$3,451)	(\$1,543,680)	\$1,033,046	(\$110,778)	\$922,268	\$977,657	2.54%	\$2,069	\$924,337	\$504,531	(\$59,579)	\$444,952	\$474,741	2.54%	\$1,005	\$445,957
Aug-15	(\$1,543,680)	\$215,172	(\$1,328,507)	(\$1,436,093)	2.54%	(\$3,040)	(\$1,331,547)	\$924,337	(\$126,243)	\$798,095	\$861,216	2.54%	\$1,823	\$799,918	\$445,957	(\$65,174)	\$380,783	\$413,370	2.54%	\$875	\$381,658
Sep-15	(\$1,331,547)	\$215,663	(\$1,115,884)	(\$1,223,716)	2.54%	(\$2,590)	(\$1,118,475)	\$799,918	(\$124,631)	\$675,286	\$737,602	2.54%	\$1,561	\$676,848	\$381,658	(\$66,728)	\$314,930	\$348,294	2.54%	\$737	\$315,667
Oct-15	(\$1,118,475)	\$149,651	(\$968,824)	(\$1,043,649)	2.54%	(\$2,209)	(\$971,033)	\$676,848	(\$99,420)	\$577,428	\$627,138	2.54%	\$1,327	\$578,756	\$315,667	(\$54,464)	\$261,204	\$288,435	2.54%	\$611	\$261,814
Nov-15	(\$971,033)	\$128,934	(\$842,099)	(\$906,566)	2.54%	(\$1,919)	(\$844,018)	\$578,756	(\$88,334)	\$490,421	\$534,589	2.54%	\$1,132	\$491,553	\$261,814	(\$48,091)	\$213,723	\$237,769	2.54%	\$503	\$214,227
Dec-15	(\$844,018)	\$165,980	(\$678,038)	(\$761,028)	2.54%	(\$1,611)	(\$679,649)	\$491,553	(\$105,098)	\$386,455	\$439,004	2.54%	\$929	\$387,385	\$214,227	(\$55,076)	\$159,151	\$186,689	2.54%	\$395	\$159,546
Jan-16	(\$679,649)	\$174,890	(\$504,758)	(\$592,204)	2.54%	(\$1,254)	(\$506,012)	\$387,385	(\$106,509)	\$280,876	\$334,130	2.54%	\$707	\$281,583	\$159,546	(\$54,879)	\$104,666	\$132,106	2.54%	\$280	\$104,946
Feb-16	(\$506,012)	\$0	(\$506,012)	(\$506,012)	2.54%	(\$1,071)	(\$507,083)	\$281,583	\$0	\$281,583	\$281,583	2.54%	\$596	\$282,179	\$104,946	\$0	\$104,946	\$104,946	2.54%	\$222	\$105,168
Mar-16	(\$507,083)	\$0	(\$507,083)	(\$507,083)	2.54%	(\$1,073)	(\$508,156)	\$282,179	\$0	\$282,179	\$282,179	2.54%	\$597	\$282,776	\$105,168	\$0	\$105,168	\$105,168	2.54%	\$223	\$105,391
(2) Apr-16	(\$508,156)	\$0	(\$508,156)	(\$508,156)	2.54%	(\$1,076)	(\$509,232)	\$282,776	\$0	\$282,776	\$282,776	2.54%	\$599	\$283,375	\$105,391	\$0	\$105,391	\$105,391	2.54%	\$223	\$105,614
		\$1,550,049							(\$1,004,375)							(\$546,859)					

	Rate B-32/G-32							Rate B-62/G-62/X-01							Rate SL													
	Over/(Under)						Ending Over/(Under)		Over/(Under)						Ending Over/(Under)		Over/(Under)						Ending Over/(Under)					
Month	Beginning Balance	Charge/(Refund)	Ending Balance	Interest Balance	Interest Rate	Interest	Recovery w/ Interest	Beginning Balance	Charge/(Refund)	Ending Balance	Interest Balance	Interest Rate	Interest	Recovery w/ Interest	Beginning Balance	Charge/(Refund)	Ending Balance	Interest Balance	Interest Rate	Interest	Recovery w/ Interest	Beginning Balance	Charge/(Refund)	Ending Balance	Interest Balance	Interest Rate	Interest	Recovery w/ Interest
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(a)	(b)	(c)	(d)	(e)	(f)	(g)
Jan-15	(\$1,601,685)		(\$1,601,685)	(\$1,601,685)	2.35%	(\$3,137)	(\$1,604,822)	(\$1,888,955)		(\$1,888,955)	(\$1,888,955)	2.35%	(\$3,699)	(\$1,892,654)	(\$685,920)		(\$685,920)	(\$685,920)	2.35%	(\$1,343)	(\$687,263)			(\$685,920)	(\$685,920)	2.35%	(\$1,343)	(\$687,263)
Feb-15	(\$1,604,822)		(\$1,604,822)	(\$1,604,822)	2.35%	(\$3,143)	(\$1,607,964)	(\$1,892,654)		(\$1,892,654)	(\$1,892,654)	2.35%	(\$3,706)	(\$1,896,361)	(\$687,263)		(\$687,263)	(\$687,263)	2.35%	(\$1,346)	(\$688,609)			(\$687,263)	(\$687,263)	2.35%	(\$1,346)	(\$688,609)
Mar-15	(\$1,607,964)		(\$1,607,964)	(\$1,607,964)	2.54%	(\$3,404)	(\$1,611,368)	(\$1,896,361)		(\$1,896,361)	(\$1,896,361)	2.54%	(\$4,014)	(\$1,900,375)	(\$688,609)		(\$688,609)	(\$688,609)	2.54%	(\$1,458)	(\$690,067)			(\$688,609)	(\$688,609)	2.54%	(\$1,458)	(\$690,067)
(1) Apr-15	(\$1,611,368)	\$46,668	(\$1,564,699)	(\$1,588,034)	2.54%	(\$3,361)	(\$1,568,061)	(\$1,900,375)	\$43,467	(\$1,856,908)	(\$1,878,641)	2.54%	(\$3,976)	(\$1,860,884)	(\$690,067)	\$32,589	(\$657,477)	(\$673,772)	2.54%	(\$1,426)	(\$658,903)			(\$657,477)	(\$658,903)	2.54%	(\$1,426)	(\$658,903)
May-15	(\$1,568,061)	\$117,474	(\$1,450,586)	(\$1,509,324)	2.54%	(\$3,195)	(\$1,453,781)	(\$1,860,884)	\$108,656	(\$1,752,229)	(\$1,806,556)	2.54%	(\$3,824)	(\$1,756,052)	(\$658,903)	\$48,073	(\$610,830)	(\$634,867)	2.54%	(\$1,344)	(\$612,174)			(\$610,830)	(\$612,174)	2.54%	(\$1,344)	(\$612,174)
Jun-15	(\$1,453,781)	\$137,865	(\$1,315,916)	(\$1,384,849)	2.54%	(\$2,931)	(\$1,318,847)	(\$1,756,052)	\$115,152	(\$1,640,901)	(\$1,698,477)	2.54%	(\$3,595)	(\$1,644,496)	(\$612,174)	\$39,851	(\$572,323)	(\$592,249)	2.54%	(\$1,254)	(\$573,577)			(\$572,323)	(\$573,577)	2.54%	(\$1,254)	(\$573,577)
Jul-15	(\$1,318,847)	\$140,021	(\$1,178,827)	(\$1,248,837)	2.54%	(\$2,643)	(\$1,181,470)	(\$1,644,496)	\$106,808	(\$1,537,688)	(\$1,591,092)	2.54%	(\$3,368)	(\$1,541,056)	(\$573,577)	\$41,608	(\$531,968)	(\$552,772)	2.54%	(\$1,170)	(\$533,138)			(\$531,968)	(\$533,138)	2.54%	(\$1,170)	(\$533,138)
Aug-15	(\$1,181,470)	\$148,993	(\$1,032,478)	(\$1,106,974)	2.54%	(\$2,343)	(\$1,034,821)	(\$1,541,056)	\$147,536	(\$1,393,519)	(\$1,467,287)	2.54%	(\$3,106)	(\$1,396,625)	(\$533,138)	\$47,497	(\$485,642)	(\$509,390)	2.54%	(\$1,078)	(\$486,720)			(\$485,642)	(\$486,720)	2.54%	(\$1,078)	(\$486,720)
Sep-15	(\$1,034,821)	\$152,468	(\$882,352)	(\$958,586)	2.54%	(\$2,029)	(\$884,381)	(\$1,396,625)	\$134,993	(\$1,261,632)	(\$1,329,128)	2.54%	(\$2,813)	(\$1,264,445)	(\$486,720)	\$52,945	(\$433,774)	(\$460,247)	2.54%	(\$974)	(\$434,749)			(\$433,774)	(\$434,749)	2.54%	(\$974)	(\$434,749)
Oct-15	(\$884,381)	\$125,978	(\$758,403)	(\$821,392)	2.54%	(\$1,739)	(\$760,142)	(\$1,264,445)	\$123,110	(\$1,141,335)	(\$1,202,890)	2.54%	(\$2,546)	(\$1,143,881)	(\$434,749)	\$57,761	(\$376,988)	(\$405,868)	2.54%	(\$859)	(\$377,847)			(\$376,988)	(\$377,847)	2.54%	(\$859)	(\$377,847)
Nov-15	(\$760,142)	\$124,317	(\$635,824)	(\$697,983)	2.54%	(\$1,477)	(\$637,302)	(\$1,143,881)	\$109,060	(\$1,034,821)	(\$1,089,351)	2.54%	(\$2,306)	(\$1,037,127)	(\$377,847)	\$63,475	(\$314,372)	(\$346,109)	2.54%	(\$733)	(\$315,104)			(\$314,372)	(\$315,104)	2.54%	(\$733)	(\$315,104)
Dec-15	(\$637,302)	\$133,886	(\$503,415)	(\$570,358)	2.54%	(\$1,207)	(\$504,623)	(\$1,037,127)	\$118,828	(\$918,300)	(\$977,713)	2.54%	(\$2,069)	(\$920,369)	(\$315,104)	\$73,677	(\$241,427)	(\$278,266)	2.54%	(\$589)	(\$242,016)			(\$241,427)	(\$242,016)	2.54%	(\$589)	(\$242,016)
Jan-16	(\$504,623)	\$128,849	(\$375,774)	(\$440,198)	2.54%	(\$932)	(\$376,706)	(\$920,369)	\$104,010	(\$816,359)	(\$868,364)	2.54%	(\$1,838)	(\$818,197)	(\$242,016)	\$78,376	(\$163,639)	(\$202,828)	2.54%	(\$429)	(\$164,069)			(\$163,639)	(\$164,069)	2.54%	(\$429)	(\$164,069)
Feb-16	(\$376,706)	\$0	(\$376,706)	(\$376,706)	2.54%	(\$797)	(\$377,503)	(\$818,197)	\$0	(\$818,197)	(\$818,197)	2.54%	(\$1,732)	(\$819,929)	(\$164,069)	\$0	(\$164,069)	(\$164,069)	2.54%	(\$347)	(\$164,416)			(\$164,069)	(\$164,416)	2.54%	(\$347)	(\$164,416)
Mar-16	(\$377,503)	\$0	(\$377,503)	(\$377,503)	2.54%	(\$799)	(\$378,302)	(\$819,929)	\$0	(\$819,929)	(\$819,929)	2.54%	(\$1,736)	(\$821,665)	(\$164,416)	\$0	(\$164,416)	(\$164,416)	2.54%	(\$348)	(\$164,764)			(\$164,416)	(\$164,764)	2.54%	(\$348)	(\$164,764)
(2) Apr-16	(\$378,302)	\$0	(\$378,302)	(\$378,302)	2.54%	(\$801)	(\$379,103)	(\$821,665)	\$0	(\$821,665)	(\$821,665)	2.54%	(\$1,739)	(\$823,404)	(\$164,764)	\$0	(\$164,764)	(\$164,764)	2.54%	(\$349)	(\$165,113)			(\$164,764)	(\$165,113)	2.54%	(\$349)	(\$165,113)
		\$1,256,520							\$1,111,619							\$535,854												

- (1) Reflects kWhs consumed on and after to April 1  
(2) Reflects kWhs consumed prior to April 1

**Column Notes:**

- (a) Column (g) from previous month; beginning balance from Schedule JAL-11, page 2, Line 11, Docket No. 4554  
(b) from monthly revenue reports  
(c) Column (a) + Column (b)  
(d) (Column (a) + Column (c)) ÷ 2  
(e) Current Rate for Customer Deposits  
(f) Column (d) x (Column (e) ÷ 12)  
(g) Column (c) + Column (f)



**THE NARRAGANSETT ELECTRIC COMPANY  
D/B/A NATIONAL GRID  
RIPUC DOCKET NO. \_\_\_\_  
2016 ELECTRIC RETAIL RATE FILING  
WITNESS: ADAM S. CRARY**

## **Schedule ASC-13**

### **Calculation of Proposed Transmission Adjustment Factors**

Transmission Service Reconciliation  
For the Period January 2015 through December 2015

Calculation of Transmission Adjustment Factor  
For the Period April 1, 2016 through March 31, 2017

<u>Line No.</u>	<u>Total</u>	<u>A-16/A60</u>	<u>C-06</u>	<u>G-02</u>	<u>B-32 / G-32</u>	<u>B-62/ G-62/ X-01</u>	<u>S-10 / S-14</u>
(1) Transmission Over/(Under) Recovery	(\$5,952,649)	(\$2,256,069)	\$431,651	(\$96,271)	(\$2,312,803)	(\$1,221,021)	(\$498,136)
(2) Plus: Estimated Interest During the Refund/Recovery Period	<u>(\$100,394)</u>	<u>(\$38,050)</u>	<u>\$7,280</u>	<u>(\$1,624)</u>	<u>(\$39,006)</u>	<u>(\$20,593)</u>	<u>(\$8,401)</u>
(3) Total Transmission Over(Under) Recovery (including interest)	(\$6,053,043)	(\$2,294,118)	\$438,931	(\$97,895)	(\$2,351,810)	(\$1,241,614)	(\$506,537)
(4) Forecasted kWhs During Recovery Period	7,609,060,643	3,065,917,589	601,237,481	1,297,568,314	2,054,251,445	524,568,288	65,517,525
(5) Proposed Transmission Adjustment Charge/(Credit)		\$0.00074	(\$0.00073)	\$0.00007	\$0.00114	\$0.00236	\$0.00773

Line Descriptions:

- (1) Schedule ASC-12, page 2
- (2) page 2
- (3) Line (1) + Line (2)
- (4) per Company forecast
- (5) Line 3 ÷ Line 4, truncated to five decimal places

Transmission Service Reconciliation  
For the Period January 2015 through December 2015

Calculation of Transmission Adjustment Factor  
For the Period April 1, 2016 through March 31, 2017  
Interest During the Recovery/Refund Period

Rate A-16/A-60

Month	Beginning Balance (a)	(Charge)/ Recovery (b)	Ending Balance (c)	Interest Rate (d)	Interest (e)
Jan-16	(\$2,256,069)		(\$2,256,069)	2.54%	(\$4,775)
Feb-16	(\$2,260,844)		(\$2,260,844)	2.54%	(\$4,785)
Mar-16	(\$2,265,630)		(\$2,265,630)	2.14%	(\$4,040)
Apr-16	(\$2,269,670)	(\$189,139)	(\$2,080,531)	2.14%	(\$3,879)
May-16	(\$2,084,410)	(\$189,492)	(\$1,894,918)	2.14%	(\$3,548)
Jun-16	(\$1,898,466)	(\$189,847)	(\$1,708,620)	2.14%	(\$3,216)
Jul-16	(\$1,711,836)	(\$190,204)	(\$1,521,632)	2.14%	(\$2,883)
Aug-16	(\$1,524,515)	(\$190,564)	(\$1,333,951)	2.14%	(\$2,549)
Sep-16	(\$1,336,500)	(\$190,929)	(\$1,145,571)	2.14%	(\$2,213)
Oct-16	(\$1,147,784)	(\$191,297)	(\$956,487)	2.14%	(\$1,876)
Nov-16	(\$958,363)	(\$191,673)	(\$766,691)	2.14%	(\$1,538)
Dec-16	(\$768,229)	(\$192,057)	(\$576,172)	2.14%	(\$1,199)
Jan-17	(\$577,370)	(\$192,457)	(\$384,914)	2.14%	(\$858)
Feb-17	(\$385,772)	(\$192,886)	(\$192,886)	2.14%	(\$516)
Mar-17	(\$193,402)	(\$193,402)		2.14%	(\$172)
					<u>(\$38,050)</u>

Rate C-06

Month	Beginning Balance (a)	(Charge)/ Recovery (b)	Ending Balance (c)	Interest Rate (d)	Interest (e)
Jan-16	\$431,651		\$431,651	2.54%	\$914
Feb-16	\$432,564		\$432,564	2.54%	\$916
Mar-16	\$433,480		\$433,480	2.14%	\$773
Apr-16	\$434,253	\$36,188	\$398,065	2.14%	\$742
May-16	\$398,807	\$36,255	\$362,552	2.14%	\$679
Jun-16	\$363,231	\$36,323	\$326,908	2.14%	\$615
Jul-16	\$327,523	\$36,391	\$291,132	2.14%	\$552
Aug-16	\$291,684	\$36,460	\$255,223	2.14%	\$488
Sep-16	\$255,711	\$36,530	\$219,181	2.14%	\$423
Oct-16	\$219,604	\$36,601	\$183,003	2.14%	\$359
Nov-16	\$183,362	\$36,672	\$146,690	2.14%	\$294
Dec-16	\$146,984	\$36,746	\$110,238	2.14%	\$229
Jan-17	\$110,468	\$36,823	\$73,645	2.14%	\$164
Feb-17	\$73,809	\$36,905	\$36,905	2.14%	\$99
Mar-17	\$37,003	\$37,003	\$0	2.14%	\$33
					<u>\$7,280</u>

Rate G-02

Month	Beginning Balance (a)	(Charge)/ Recovery (b)	Ending Balance (c)	Interest Rate (d)	Interest (e)
Jan-16	(\$96,271)		(\$96,271)	2.54%	(\$204)
Feb-16	(\$96,475)		(\$96,475)	2.54%	(\$204)
Mar-16	(\$96,679)		(\$96,679)	2.14%	(\$172)
Apr-16	(\$96,852)	(\$8,071)	(\$88,781)	2.14%	(\$166)
May-16	(\$88,946)	(\$8,086)	(\$80,860)	2.14%	(\$151)
Jun-16	(\$81,011)	(\$8,101)	(\$72,910)	2.14%	(\$137)
Jul-16	(\$73,048)	(\$8,116)	(\$64,931)	2.14%	(\$123)
Aug-16	(\$65,054)	(\$8,132)	(\$56,922)	2.14%	(\$109)
Sep-16	(\$57,031)	(\$8,147)	(\$48,884)	2.14%	(\$94)
Oct-16	(\$48,978)	(\$8,163)	(\$40,815)	2.14%	(\$80)
Nov-16	(\$40,895)	(\$8,179)	(\$32,716)	2.14%	(\$66)
Dec-16	(\$32,782)	(\$8,195)	(\$24,586)	2.14%	(\$51)
Jan-17	(\$24,638)	(\$8,213)	(\$16,425)	2.14%	(\$37)
Feb-17	(\$16,462)	(\$8,231)	(\$8,231)	2.14%	(\$22)
Mar-17	(\$8,253)	(\$8,253)	\$0	2.14%	(\$7)
					<u>(\$1,624)</u>

Rate B-32/G-32

Month	Beginning Balance (a)	(Charge)/ Recovery (b)	Ending Balance (c)	Interest Rate (d)	Interest (e)
Jan-16	(\$2,312,803)		(\$2,312,803)	2.54%	(\$4,895)
Feb-16	(\$2,317,699)		(\$2,317,699)	2.54%	(\$4,906)
Mar-16	(\$2,322,604)		(\$2,322,604)	2.14%	(\$4,142)
Apr-16	(\$2,326,746)	(\$193,896)	(\$2,132,851)	2.14%	(\$3,976)
May-16	(\$2,136,827)	(\$194,257)	(\$1,942,570)	2.14%	(\$3,637)
Jun-16	(\$1,946,208)	(\$194,621)	(\$1,751,587)	2.14%	(\$3,297)
Jul-16	(\$1,754,884)	(\$194,987)	(\$1,559,897)	2.14%	(\$2,956)
Aug-16	(\$1,562,853)	(\$195,357)	(\$1,367,496)	2.14%	(\$2,613)
Sep-16	(\$1,370,109)	(\$195,730)	(\$1,174,379)	2.14%	(\$2,269)
Oct-16	(\$1,176,648)	(\$196,108)	(\$980,540)	2.14%	(\$1,923)
Nov-16	(\$982,464)	(\$196,493)	(\$785,971)	2.14%	(\$1,577)
Dec-16	(\$787,548)	(\$196,887)	(\$590,661)	2.14%	(\$1,229)
Jan-17	(\$591,890)	(\$197,297)	(\$394,593)	2.14%	(\$880)
Feb-17	(\$395,473)	(\$197,736)	(\$197,736)	2.14%	(\$529)
Mar-17	(\$198,265)	(\$198,265)	\$0	2.14%	(\$177)
					<u>(\$39,006)</u>

Rate B-62/G-62/X-01

Month	Beginning Balance (a)	(Charge)/ Recovery (b)	Ending Balance (c)	Interest Rate (d)	Interest (e)
Jan-16	(\$1,221,021)		(\$1,221,021)	2.54%	(\$2,584)
Feb-16	(\$1,223,605)		(\$1,223,605)	2.54%	(\$2,590)
Mar-16	(\$1,226,195)		(\$1,226,195)	2.14%	(\$2,187)
Apr-16	(\$1,228,382)	(\$102,365)	(\$1,126,017)	2.14%	(\$2,099)
May-16	(\$1,128,116)	(\$102,556)	(\$1,025,560)	2.14%	(\$1,920)
Jun-16	(\$1,027,480)	(\$102,748)	(\$924,732)	2.14%	(\$1,741)
Jul-16	(\$926,473)	(\$102,941)	(\$823,532)	2.14%	(\$1,560)
Aug-16	(\$825,092)	(\$103,136)	(\$721,955)	2.14%	(\$1,379)
Sep-16	(\$723,335)	(\$103,334)	(\$620,001)	2.14%	(\$1,198)
Oct-16	(\$621,199)	(\$103,533)	(\$517,666)	2.14%	(\$1,015)
Nov-16	(\$518,681)	(\$103,736)	(\$414,945)	2.14%	(\$832)
Dec-16	(\$415,778)	(\$103,944)	(\$311,833)	2.14%	(\$649)
Jan-17	(\$312,482)	(\$104,161)	(\$208,321)	2.14%	(\$464)
Feb-17	(\$208,786)	(\$104,393)	(\$104,393)	2.14%	(\$279)
Mar-17	(\$104,672)	(\$104,672)	\$0	2.14%	(\$93)
					<u>(\$20,593)</u>

Rate SL

Month	Beginning Balance (a)	(Charge)/ Recovery (b)	Ending Balance (c)	Interest Rate (d)	Interest (e)
Jan-16	(\$498,136)		(\$498,136)	2.54%	(\$1,054)
Feb-16	(\$499,190)		(\$499,190)	2.54%	(\$1,057)
Mar-16	(\$500,247)		(\$500,247)	2.14%	(\$892)
Apr-16	(\$501,139)	(\$41,762)	(\$459,377)	2.14%	(\$856)
May-16	(\$460,234)	(\$41,839)	(\$418,394)	2.14%	(\$783)
Jun-16	(\$419,178)	(\$41,918)	(\$377,260)	2.14%	(\$710)
Jul-16	(\$377,970)	(\$41,997)	(\$335,974)	2.14%	(\$637)
Aug-16	(\$336,610)	(\$42,076)	(\$294,534)	2.14%	(\$563)
Sep-16	(\$295,097)	(\$42,157)	(\$252,940)	2.14%	(\$489)
Oct-16	(\$253,429)	(\$42,238)	(\$211,191)	2.14%	(\$414)
Nov-16	(\$211,605)	(\$42,321)	(\$169,284)	2.14%	(\$340)
Dec-16	(\$169,623)	(\$42,406)	(\$127,218)	2.14%	(\$265)
Jan-17	(\$127,482)	(\$42,494)	(\$84,988)	2.14%	(\$189)
Feb-17	(\$85,178)	(\$42,589)	(\$42,589)	2.14%	(\$114)
Mar-17	(\$42,703)	(\$42,703)	\$0	2.14%	(\$38)
					<u>(\$8,401)</u>

Column Notes:

- (1) Page 1, Line 1
- (2) For Apr, (Column (a)) ÷ 12. For May, (Column (a)) ÷ 11, etc.
- (3) Column (a) - Column (b)
- (4) Current Rate for Customer Deposits
- (5) [((Column (a) + Column (c)) ÷ 2) x (Column (d) ÷ 12)]



**THE NARRAGANSETT ELECTRIC COMPANY  
D/B/A NATIONAL GRID  
RIPUC DOCKET NO. \_\_\_\_  
2016 ELECTRIC RETAIL RATE FILING  
WITNESS: ADAM S. CRARY**

## **Schedule ASC-14**

### **Calculation of Proposed Transmission Uncollectible Factors**

**Transmission Service Uncollectible Reconciliation  
For the Period January 2015 through December 2015**

Calculation of Transmission Uncollectible Factor  
For the Period April 1, 2016 through March 31, 2017

Line	Total	A16/A60	C06	G02	B32/G32	B62/G62/X01	SL
(1) Estimated Base Transmission Revenue	\$178,151,436	\$79,595,694	\$15,675,426	\$29,787,336	\$42,177,437	\$10,138,531	\$777,012
(2) Transmission Service (Over)/Under Collection	\$6,053,043	\$2,294,118	(\$438,931)	\$97,895	\$2,351,810	\$1,241,614	\$506,537
(3) Transmission Uncollectible (Over)/Under Collection Balance	\$156,676	\$68,650	\$10,352	\$33,743	\$34,686	\$8,161	\$1,084
(4) Total	\$184,361,155	\$81,958,463	\$15,246,847	\$29,918,974	\$44,563,933	\$11,388,306	\$1,284,633
(5) Approved Uncollectible Rate	1.25%						
(6) Estimated Transmission-related Uncollectible Expense	\$2,304,514	\$1,024,481	\$190,586	\$373,987	\$557,049	\$142,354	\$16,058
(7) Forecasted kWh	7,609,060,643	3,065,917,589	601,237,481	1,297,568,314	2,054,251,445	524,568,288	65,517,525
(8) 2016 Transmission Uncollectible Factor per kWh		\$0.00033	\$0.00031	\$0.00028	\$0.00027	\$0.00027	\$0.00024
(9) 2015 Transmission Uncollectible Reconciliation Factor		\$0.00002	\$0.00001	\$0.00002	\$0.00001	\$0.00001	\$0.00001
(10) Transmission Uncollectible Factor effective April 1, 2016 through March 31, 2017		\$0.00035	\$0.00032	\$0.00030	\$0.00028	\$0.00028	\$0.00025

Line Descriptions:

- |   |   |
|---|---|
| (1) from Schedule ASC-11, page 1, line 3            | (6) Line (4) x Line (5)                                   |
| (2) from Schedule ASC-13, page 1, line (3)          | (7) per Company forecast for the recovery/(refund) period |
| (3) from Schedule ASC-15, page 1, Line 14           | (8) Line (6) ÷ Line (7), truncated to five decimal places |
| (4) Line (1) + Line (2) + Line (3)                  | (9) Schedule ASC-15, Page 1, Line (17)                    |
| (5) per RIPUC Docket No. 4323, settlement agreement | (10) Line (8) + Line (9)                                  |





**THE NARRAGANSETT ELECTRIC COMPANY  
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2016 ELECTRIC RETAIL RATE FILING  
WITNESS: ADAM S. CRARY**

**Schedule ASC-15**

**Transmission Uncollectible  
Factor Reconciliation  
For the Period January 2015 through December 2015**

**Transmission Service Uncollectible Reconciliation  
For the Period January 2015 through December 2015**

**Reconciliation of Transmission Service Uncollectible Revenue and Expense**

	<u>Total</u>	<u>A16/A60</u>	<u>C06</u>	<u>G02</u>	<u>B32/G32</u>	<u>B62/G62/X01</u>	<u>SL</u>
(1) Transmission Uncollectible Factor Revenue	\$1,873,349	\$863,319	\$146,523	\$285,678	\$453,554	\$109,514	\$14,762
<u>Calculation of Transmission Uncollectible Expense</u>							
(2) Actual Base Transmission Revenue During Reconciliation Period	\$155,058,433	\$70,363,337	\$13,450,929	\$26,134,185	\$36,478,555	\$7,977,567	\$653,859
(3) Actual Transmission Adjustment Factor Revenue During Reconciliation Period	\$1,048,925	\$1,001,601	(\$1,384,444)	(\$1,085,576)	\$794,469	\$1,151,120	\$571,755
(4) Actual Uncollectible Factor Revenue During Reconciliation Period	\$2,061,306	\$931,404	\$159,423	\$342,521	\$497,262	\$114,516	\$16,180
(5) Total Actual Transmission Related Revenue	<u>\$158,168,664</u>	<u>\$72,296,342</u>	<u>\$12,225,909</u>	<u>\$25,391,130</u>	<u>\$37,770,285</u>	<u>\$9,243,204</u>	<u>\$1,241,793</u>
(6) Uncollectible Factor	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%
(7) Transmission Uncollectible Expense Incurred During Reconciliation Period	\$1,977,108	\$903,704	\$152,824	\$317,389	\$472,129	\$115,540	\$15,522
<u>Calculation of Over/(Under) Recovery</u>							
(8) Over/(Under) Recovery - Current Reconciliation Period	(\$103,759)	(\$40,385)	(\$6,301)	(\$31,712)	(\$18,575)	(\$6,026)	(\$760)
(9) Ending Balance - Prior Reconciliation Period	<u>(\$48,410)</u>	<u>(\$26,290)</u>	<u>(\$3,754)</u>	<u>(\$1,061)</u>	<u>(\$15,113)</u>	<u>(\$1,900)</u>	<u>(\$292)</u>
(10) Total Over/(Under) Recovery	(\$152,169)	(\$66,675)	(\$10,055)	(\$32,773)	(\$33,688)	(\$7,926)	(\$1,053)
(11) Interest	(\$1,908)	(\$836)	(\$126)	(\$411)	(\$423)	(\$99)	(\$13)
(12) Transmission Uncollectible Factor Over/(Under) Recovery Incl. Interest	(\$154,078)	(\$67,511)	(\$10,181)	(\$33,184)	(\$34,110)	(\$8,026)	(\$1,066)
(13) Estimated Interest Applied During the Recovery Period	(\$2,599)	(\$1,139)	(\$172)	(\$560)	(\$575)	(\$135)	(\$18)
(14) Transmission Uncollectible Factor Over/(Under) Recovery Incl. Interest During Recovery	(\$156,676)	(\$68,650)	(\$10,352)	(\$33,743)	(\$34,686)	(\$8,161)	(\$1,084)
<u>Calculation of Reconciliation Factor</u>							
(15) Transmission Uncollectible Factor Over/(Under) Recovery Incl. Interest	(\$156,676)	(\$68,650)	(\$10,352)	(\$33,743)	(\$34,686)	(\$8,161)	(\$1,084)
(16) Forecasted kWh Deliveries	7,609,060,643	3,065,917,589	601,237,481	1,297,568,314	2,054,251,445	524,568,288	65,517,525
(17) Transmission Uncollectible Reconciliation Factor	\$0.00002	\$0.00002	\$0.00001	\$0.00002	\$0.00001	\$0.00001	\$0.00001

Line Descriptions:

- |   |  |
|---|--|
| (1) Page 2, column (e)                              | (10) Line (8) + Line (9)                                     |
| (2) Schedule ASC-12, page 3, column (d)             | (11) [Line (10) ÷ 2] x Customer Deposit Interest Rate        |
| (3) per company revenue reports                     | (12) Line (10) + Line (11)                                   |
| (4) Page 2, column (c)                              | (13) Page 3  |
| (5) Line (2) + Line (3) + Line (4)                  | (14) Line (12) + Line (13)                                   |
| (6) Approved Uncollectible rate per Docket No. 432: | (15) Line (14)   |
| (7) Line (5) x Line (6)                             | (16) Company forecast  |
| (8) Line (1) - Line (7)                             | (17) Line (15) ÷ Line (16), truncated to five decimal places |
| (9) Page 4, column(g)                               |  |

Transmission Service Uncollectible Reconciliation  
For the Period January 2015 through December 2015

Uncollectible Revenue

Rate A-16/A-60						Rate C-06						Rate G-02					
				Revenue Associated w/ Rec/(Ref) of Prior Period													
	kWh	Uncollectible	Total		Base	kWh	Uncollectible	Total		Base	kWh	Uncollectible	Total		Base		
Month	Deliveries	Rate	Revenue	Over/(Under)	Revenue	Deliveries	Rate	Revenue	Over/(Under)	Revenue	Deliveries	Rate	Revenue	Over/(Under)	Revenue		
	(a)	(b)	(c)	(d)	(e)		(b)	(c)	(d)	(e)	(a)	(b)	(c)	(d)	(e)		
(1)	Jan-15	136,527,364	\$0.00029	\$39,593	\$5,833	\$33,760	24,216,952	\$0.00026	\$6,296	\$1,035	\$5,262	49,956,579	\$0.00026	\$12,989	\$4,269	\$8,720	
	Feb-15	296,494,019	\$0.00029	\$85,983	\$5,930	\$80,053	54,934,872	\$0.00026	\$14,283	\$1,099	\$13,184	107,682,866	\$0.00026	\$27,998	\$4,307	\$23,690	
	Mar-15	269,475,029	\$0.00029	\$78,148	\$5,390	\$72,758	53,157,201	\$0.00026	\$13,821	\$1,063	\$12,758	106,023,306	\$0.00026	\$27,566	\$4,241	\$23,325	
(2)	Apr-15	236,491,062	\$0.00030	\$69,835	\$4,730	\$65,105	47,845,897	\$0.00027	\$12,693	\$957	\$11,736	104,328,236	\$0.00026	\$27,125	\$4,173	\$22,952	
	May-15	197,106,718	\$0.00030	\$59,132	\$3,942	\$55,190	42,161,525	\$0.00027	\$11,384	\$843	\$10,540	96,525,702	\$0.00026	\$25,097	\$3,861	\$21,236	
	Jun-15	219,470,754	\$0.00030	\$65,841	\$4,389	\$61,452	45,994,759	\$0.00027	\$12,419	\$920	\$11,499	109,235,977	\$0.00026	\$28,401	\$4,369	\$24,032	
	Jul-15	277,105,218	\$0.00030	\$83,132	\$5,542	\$77,589	50,866,504	\$0.00027	\$13,734	\$1,017	\$12,717	116,814,448	\$0.00026	\$30,372	\$4,673	\$25,699	
	Aug-15	331,051,909	\$0.00030	\$99,316	\$6,621	\$92,695	57,900,123	\$0.00027	\$15,633	\$1,158	\$14,475	127,667,492	\$0.00026	\$33,194	\$5,107	\$28,087	
	Sep-15	332,021,682	\$0.00030	\$99,607	\$6,640	\$92,966	57,209,577	\$0.00027	\$15,447	\$1,144	\$14,302	129,734,011	\$0.00026	\$33,731	\$5,189	\$28,541	
	Oct-15	230,488,341	\$0.00030	\$69,147	\$4,610	\$64,537	45,608,903	\$0.00027	\$12,314	\$912	\$11,402	106,659,939	\$0.00026	\$27,732	\$4,266	\$23,465	
	Nov-15	198,436,428	\$0.00030	\$59,531	\$3,969	\$55,562	40,522,337	\$0.00027	\$10,941	\$810	\$10,131	94,315,077	\$0.00026	\$24,522	\$3,773	\$20,749	
	Dec-15	255,426,956	\$0.00030	\$76,628	\$5,109	\$71,520	48,212,025	\$0.00027	\$13,017	\$964	\$12,053	107,769,579	\$0.00026	\$28,020	\$4,311	\$23,709	
(3)	Jan-16	151,709,144	\$0.00030	\$45,513	\$5,381	\$40,132	27,560,143	\$0.00027	\$7,441	\$978	\$6,464	60,673,930	\$0.00026	\$15,775	\$4,304	\$11,471	
				\$931,404		\$863,319			\$159,423		\$146,523			\$342,521		\$285,678	

Rate B-32/G-32						Rate B-62/G-62/X-01						Rate SL					
				Revenue Associated w/ Rec/(Ref) of Prior Period													
	kWh	Uncollectible	Total		Base	kWh	Uncollectible	Total		Base	kWh	Uncollectible	Total		Base		
Month	Deliveries	Rate	Revenue	Over/(Under)	Revenue	Deliveries	Rate	Revenue	Over/(Under)	Revenue	Deliveries	Rate	Revenue	Over/(Under)	Revenue		
	(a)	(b)	(c)	(d)	(e)	(a)	(b)	(c)	(d)	(e)	(a)	(b)	(c)	(d)	(e)		
(1)	Jan-15	76,623,967	\$0.00023	\$17,624	\$3,274	\$14,350	16,040,629	\$0.00023	\$3,689	\$343	\$3,347	3,484,437	\$0.00021	\$732	\$149	\$583	
	Feb-15	171,658,577	\$0.00023	\$39,481	\$3,433	\$36,048	42,106,090	\$0.00023	\$9,684	\$421	\$9,263	5,909,752	\$0.00021	\$1,241	\$118	\$1,123	
	Mar-15	162,869,749	\$0.00023	\$37,460	\$3,257	\$34,203	40,482,003	\$0.00023	\$9,311	\$405	\$8,906	5,278,690	\$0.00021	\$1,109	\$106	\$1,003	
(2)	Apr-15	163,001,410	\$0.00025	\$39,217	\$3,260	\$35,957	37,418,546	\$0.00025	\$9,003	\$374	\$8,629	4,850,547	\$0.00027	\$1,173	\$97	\$1,076	
	May-15	158,062,439	\$0.00025	\$39,516	\$3,161	\$36,354	35,479,411	\$0.00025	\$8,870	\$355	\$8,515	4,525,372	\$0.00027	\$1,222	\$91	\$1,131	
	Jun-15	173,482,075	\$0.00025	\$43,371	\$3,470	\$39,901	37,265,877	\$0.00025	\$9,316	\$373	\$8,944	3,752,332	\$0.00027	\$1,013	\$75	\$938	
	Jul-15	175,028,365	\$0.00025	\$43,757	\$3,501	\$40,257	34,565,739	\$0.00025	\$8,641	\$346	\$8,296	3,917,710	\$0.00027	\$1,058	\$78	\$979	
	Aug-15	185,706,065	\$0.00025	\$46,427	\$3,714	\$42,712	47,746,404	\$0.00025	\$11,937	\$477	\$11,459	4,472,362	\$0.00027	\$1,208	\$89	\$1,118	
	Sep-15	190,592,923	\$0.00025	\$47,648	\$3,812	\$43,836	43,687,135	\$0.00025	\$10,922	\$437	\$10,485	4,985,365	\$0.00027	\$1,346	\$100	\$1,246	
	Oct-15	157,472,480	\$0.00025	\$39,368	\$3,149	\$36,219	39,841,354	\$0.00025	\$9,960	\$398	\$9,562	5,438,897	\$0.00027	\$1,469	\$109	\$1,360	
	Nov-15	155,396,762	\$0.00025	\$38,849	\$3,108	\$35,741	35,294,486	\$0.00025	\$8,824	\$353	\$8,471	5,976,945	\$0.00027	\$1,614	\$120	\$1,494	
	Dec-15	167,357,712	\$0.00025	\$41,839	\$3,347	\$38,492	38,455,570	\$0.00025	\$9,614	\$385	\$9,229	6,937,889	\$0.00027	\$1,873	\$139	\$1,734	
(3)	Jan-16	90,818,481	\$0.00025	\$22,705	\$3,221	\$19,483	18,980,573	\$0.00025	\$4,745	\$337	\$4,409	4,161,433	\$0.00027	\$1,124	\$148	\$976	
				\$497,262		\$453,554			\$114,516		\$109,514			\$16,180		\$14,762	

- (1) Reflects kWhs consumed after Jan 1  
(2) Reflects rate change effective April 1  
(3) Reflects kWhs consumed prior to April 1

Column Notes:

- (a) from monthly revenue reports  
(b) For months Jan. 2015-Mar. 2015, per Schedule JAL-13, Page 1, Line (10), Docket 4485. For months Mar. 2015-Jan. 2016, per Schedule JAL-13, Page 1, Line (10), Docket 4554  
(c) Column (a) x Column (b), April revenue reflects proration of rates in effect during March and April  
(d) Page 4, column (b)  
(e) Column (c) - Column (d)

**Transmission Service Uncollectible Reconciliation  
For the Period January 2015 through December 2015**

**Calculation of Interest During the Recovery/Refund Period  
For the Period April 1, 2016 through March 31, 2017**

Rate A-16/A-60

Rate C-06

Rate G-02

Month	Beginning Balance (a)	Recovery (b)	Ending Balance (c)	Interest Rate (d)	Interest (e)	Beginning Balance (a)	Recovery (b)	Ending Balance (c)	Interest Rate (d)	Interest (e)	Beginning Balance (a)	Recovery (b)	Ending Balance (c)	Interest Rate (d)	Interest (e)		
Jan-16	(67,511)		(\$67,511)	2.54%	(\$143)	(10,181)		(\$10,181)	2.54%	(\$22)	(33,184)		(\$33,184)	2.54%	(\$70)		
Feb-16	(\$67,654)		(\$67,654)	2.54%	(\$143)	(\$10,202)		(\$10,202)	2.54%	(\$22)	(\$33,254)		(\$33,254)	2.54%	(\$70)		
Mar-16	(\$67,798)		(\$67,798)	2.14%	(\$121)	(\$10,224)		(\$10,224)	2.14%	(\$18)	(\$33,324)		(\$33,324)	2.14%	(\$59)		
Apr-16	(\$67,918)	(\$5,660)	(\$62,259)	2.14%	(\$116)	(\$10,242)	(\$854)	(\$9,389)	2.14%	(\$18)	(\$33,384)	(\$2,782)	(\$30,602)	2.14%	(\$57)		
May-16	(\$62,375)	(\$5,670)	(\$56,704)	2.14%	(\$106)	(\$9,406)	(\$855)	(\$8,551)	2.14%	(\$16)	(\$30,659)	(\$2,787)	(\$27,872)	2.14%	(\$52)		
Jun-16	(\$56,810)	(\$5,681)	(\$51,129)	2.14%	(\$96)	(\$8,567)	(\$857)	(\$7,710)	2.14%	(\$15)	(\$27,924)	(\$2,792)	(\$25,131)	2.14%	(\$47)		
Jul-16	(\$51,226)	(\$5,692)	(\$45,534)	2.14%	(\$86)	(\$7,725)	(\$858)	(\$6,867)	2.14%	(\$13)	(\$25,179)	(\$2,798)	(\$22,381)	2.14%	(\$42)		
Aug-16	(\$45,620)	(\$5,703)	(\$39,918)	2.14%	(\$76)	(\$6,880)	(\$860)	(\$6,020)	2.14%	(\$12)	(\$22,423)	(\$2,803)	(\$19,620)	2.14%	(\$37)		
Sep-16	(\$39,994)	(\$5,713)	(\$34,280)	2.14%	(\$66)	(\$6,031)	(\$862)	(\$5,170)	2.14%	(\$10)	(\$19,658)	(\$2,808)	(\$16,850)	2.14%	(\$33)		
Oct-16	(\$34,347)	(\$5,724)	(\$28,622)	2.14%	(\$56)	(\$5,180)	(\$863)	(\$4,316)	2.14%	(\$8)	(\$16,882)	(\$2,814)	(\$14,069)	2.14%	(\$28)		
Nov-16	(\$28,678)	(\$5,736)	(\$22,943)	2.14%	(\$46)	(\$4,325)	(\$865)	(\$3,460)	2.14%	(\$7)	(\$14,096)	(\$2,819)	(\$11,277)	2.14%	(\$23)		
Dec-16	(\$22,989)	(\$5,747)	(\$17,242)	2.14%	(\$36)	(\$3,467)	(\$867)	(\$2,600)	2.14%	(\$5)	(\$11,300)	(\$2,825)	(\$8,475)	2.14%	(\$18)		
Jan-17	(\$17,277)	(\$5,759)	(\$11,518)	2.14%	(\$26)	(\$2,605)	(\$868)	(\$1,737)	2.14%	(\$4)	(\$8,492)	(\$2,831)	(\$5,662)	2.14%	(\$13)		
Feb-17	(\$11,544)	(\$5,772)	(\$5,772)	2.14%	(\$15)	(\$1,741)	(\$870)	(\$870)	2.14%	(\$2)	(\$5,674)	(\$2,837)	(\$2,837)	2.14%	(\$8)		
Mar-17	(\$5,787)	(\$5,787)		2.14%	(\$5)	(\$873)	(\$873)	\$0	2.14%	(\$1)	(\$2,845)	(\$2,845)	\$0	2.14%	(\$3)		
					(\$1,139)						(\$172)						(\$560)

Rate B-32/G-32

Rate B-62/G-62/X-01

Rate SL

Month	Beginning Balance (a)	Recovery (b)	Ending Balance (c)	Interest Rate (d)	Interest (e)	Beginning Balance (a)	Recovery (b)	Ending Balance (c)	Interest Rate (d)	Interest (e)	Beginning Balance (a)	Recovery (b)	Ending Balance (c)	Interest Rate (d)	Interest (e)		
Jan-16	(34,110)		(\$34,110)	2.54%	(\$72)	(8,026)		(\$8,026)	2.54%	(\$17)	(1,066)		(\$1,066)	2.54%	(\$2)		
Feb-16	(\$34,183)		(\$34,183)	2.54%	(\$72)	(\$8,043)		(\$8,043)	2.54%	(\$17)	(\$1,068)		(\$1,068)	2.54%	(\$2)		
Mar-16	(\$34,255)		(\$34,255)	2.14%	(\$61)	(\$8,060)		(\$8,060)	2.14%	(\$14)	(\$1,070)		(\$1,070)	2.14%	(\$2)		
Apr-16	(\$34,316)	(\$2,860)	(\$31,456)	2.14%	(\$59)	(\$8,074)	(\$673)	(\$7,401)	2.14%	(\$14)	(\$1,072)	(\$89)	(\$983)	2.14%	(\$2)		
May-16	(\$31,515)	(\$2,865)	(\$28,650)	2.14%	(\$54)	(\$7,415)	(\$674)	(\$6,741)	2.14%	(\$13)	(\$985)	(\$90)	(\$895)	2.14%	(\$2)		
Jun-16	(\$28,704)	(\$2,870)	(\$25,833)	2.14%	(\$49)	(\$6,753)	(\$675)	(\$6,078)	2.14%	(\$11)	(\$897)	(\$90)	(\$807)	2.14%	(\$2)		
Jul-16	(\$25,882)	(\$2,876)	(\$23,006)	2.14%	(\$44)	(\$6,090)	(\$677)	(\$5,413)	2.14%	(\$10)	(\$809)	(\$90)	(\$719)	2.14%	(\$1)		
Aug-16	(\$23,050)	(\$2,881)	(\$20,169)	2.14%	(\$39)	(\$5,423)	(\$678)	(\$4,745)	2.14%	(\$9)	(\$720)	(\$90)	(\$630)	2.14%	(\$1)		
Sep-16	(\$20,207)	(\$2,887)	(\$17,320)	2.14%	(\$33)	(\$4,754)	(\$679)	(\$4,075)	2.14%	(\$8)	(\$631)	(\$90)	(\$541)	2.14%	(\$1)		
Oct-16	(\$17,354)	(\$2,892)	(\$14,462)	2.14%	(\$28)	(\$4,083)	(\$681)	(\$3,403)	2.14%	(\$7)	(\$542)	(\$90)	(\$452)	2.14%	(\$1)		
Nov-16	(\$14,490)	(\$2,898)	(\$11,592)	2.14%	(\$23)	(\$3,409)	(\$682)	(\$2,727)	2.14%	(\$5)	(\$453)	(\$91)	(\$362)	2.14%	(\$1)		
Dec-16	(\$11,615)	(\$2,904)	(\$8,711)	2.14%	(\$18)	(\$2,733)	(\$683)	(\$2,050)	2.14%	(\$4)	(\$363)	(\$91)	(\$272)	2.14%	(\$1)		
Jan-17	(\$8,730)	(\$2,910)	(\$5,820)	2.14%	(\$13)	(\$2,054)	(\$685)	(\$1,369)	2.14%	(\$3)	(\$273)	(\$91)	(\$182)	2.14%	(\$0)		
Feb-17	(\$5,833)	(\$2,916)	(\$2,916)	2.14%	(\$8)	(\$1,372)	(\$686)	(\$686)	2.14%	(\$2)	(\$182)	(\$91)	(\$91)	2.14%	(\$0)		
Mar-17	(\$2,924)	(\$2,924)	\$0	2.14%	(\$3)	(\$688)	(\$688)	\$0	2.14%	(\$1)	(\$91)	(\$91)	\$0	2.14%	(\$0)		
					(\$575)						(\$135)						(\$18)

Column Notes:

- (1) prior month column (c) + column (e); beginning balance per page 1, line 12
- (2) For Apr, (Column (a)) ÷ 12. For May, (Column (a)) ÷ 11, etc.
- (3) Column (a) - Column (b)
- (4) Current Rate for Customer Deposits
- (5) [(Column (a) + Column (c)) ÷ 2] x (Column (d) ÷ 12)

**Transmission Service Uncollectible Reconciliation  
For the Period January 2015 through December 2015**

**Status of Prior Period Over/(Under) Collection**

**Incurred:** January 1, 2013 through December 31, 2013  
**Recovery Period:** April 1, 2014 through March 31, 2015

	Rate A-16/A-60							Rate C-06							Rate G-02								
	Over/(Under)			Ending Over/(Under)					Over/(Under)			Ending Over/(Under)					Over/(Under)			Ending Over/(Under)			
Month	Beginning Balance	Charge/(Refund)	Ending Balance	Interest Balance	Interest Rate	Interest	Recovery w/ Interest	Beginning Balance	Charge/(Refund)	Ending Balance	Interest Balance	Interest Rate	Interest	Recovery w/ Interest	Beginning Balance	Charge/(Refund)	Ending Balance	Interest Balance	Interest Rate	Interest	Recovery w/ Interest		
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(a)	(b)	(c)	(d)	(e)	(f)	(g)		
Jan-14	(86,900)		(\$86,900)	(\$86,900)	1.80%	(\$130)	(\$87,030)	(15,475)		(\$15,475)	(\$15,475)	1.80%	(\$23)	(\$15,498)	(53,162)		(\$53,162)	(\$53,162)	1.80%	(\$80)	(\$53,242)		
Feb-14	(\$87,030)		(\$87,030)	(\$87,030)	1.80%	(\$131)	(\$87,161)	(\$15,498)		(\$15,498)	(\$15,498)	1.80%	(\$23)	(\$15,521)	(\$53,242)		(\$53,242)	(\$53,242)	1.80%	(\$80)	(\$53,322)		
Mar-14	(\$87,161)		(\$87,161)	(\$87,161)	2.35%	(\$171)	(\$87,332)	(\$15,521)		(\$15,521)	(\$15,521)	2.35%	(\$30)	(\$15,552)	(\$53,322)		(\$53,322)	(\$53,322)	2.35%	(\$104)	(\$53,426)		
(1) Apr-14	(\$87,332)	\$3,343	(\$83,989)	(\$85,660)	2.35%	(\$168)	(\$84,157)	(\$15,552)	\$662	(\$14,890)	(\$15,221)	2.35%	(\$30)	(\$14,920)	(\$53,426)	\$2,837	(\$50,589)	(\$52,008)	2.35%	(\$102)	(\$50,691)		
May-14	(\$84,157)	\$4,332	(\$79,824)	(\$81,991)	2.35%	(\$161)	(\$79,985)	(\$14,920)	\$902	(\$14,018)	(\$14,469)	2.35%	(\$28)	(\$14,046)	(\$50,691)	\$4,137	(\$46,553)	(\$48,622)	2.35%	(\$95)	(\$46,649)		
Jun-14	(\$79,985)	\$4,138	(\$75,847)	(\$77,916)	2.35%	(\$153)	(\$75,999)	(\$14,046)	\$887	(\$13,159)	(\$13,602)	2.35%	(\$27)	(\$13,186)	(\$46,649)	\$4,049	(\$42,600)	(\$44,624)	2.35%	(\$87)	(\$42,687)		
Jul-14	(\$75,999)	\$5,619	(\$70,380)	(\$73,190)	2.35%	(\$143)	(\$70,524)	(\$13,186)	\$1,034	(\$12,152)	(\$12,669)	2.35%	(\$25)	(\$12,177)	(\$42,687)	\$4,666	(\$38,021)	(\$40,354)	2.35%	(\$79)	(\$38,100)		
Aug-14	(\$70,524)	\$6,106	(\$64,417)	(\$67,471)	2.35%	(\$132)	(\$64,550)	(\$12,177)	\$1,109	(\$11,068)	(\$11,622)	2.35%	(\$23)	(\$11,091)	(\$38,100)	\$4,897	(\$33,202)	(\$35,651)	2.35%	(\$70)	(\$33,272)		
Sep-14	(\$64,550)	\$5,560	(\$58,990)	(\$61,770)	2.35%	(\$121)	(\$59,110)	(\$11,091)	\$1,060	(\$10,031)	(\$10,561)	2.35%	(\$21)	(\$10,052)	(\$33,272)	\$4,770	(\$28,502)	(\$30,887)	2.35%	(\$60)	(\$28,562)		
Oct-14	(\$59,110)	\$4,319	(\$54,791)	(\$56,951)	2.35%	(\$112)	(\$54,903)	(\$10,052)	\$888	(\$9,164)	(\$9,608)	2.35%	(\$19)	(\$9,182)	(\$28,562)	\$4,168	(\$24,394)	(\$26,478)	2.35%	(\$52)	(\$24,446)		
Nov-14	(\$54,903)	\$4,258	(\$50,644)	(\$52,773)	2.35%	(\$103)	(\$50,748)	(\$9,182)	\$845	(\$8,337)	(\$8,760)	2.35%	(\$17)	(\$8,354)	(\$24,446)	\$4,202	(\$20,244)	(\$22,345)	2.35%	(\$44)	(\$20,288)		
Dec-14	(\$50,748)	\$5,175	(\$45,573)	(\$48,160)	2.35%	(\$94)	(\$45,667)	(\$8,354)	\$956	(\$7,398)	(\$7,876)	2.35%	(\$15)	(\$7,414)	(\$20,288)	\$4,297	(\$15,991)	(\$18,139)	2.35%	(\$36)	(\$16,027)		
Jan-15	(\$45,667)	\$5,833	(\$39,834)	(\$42,751)	2.35%	(\$84)	(\$39,918)	(\$7,414)	\$1,035	(\$6,379)	(\$6,896)	2.35%	(\$14)	(\$6,393)	(\$16,027)	\$4,269	(\$11,758)	(\$13,892)	2.35%	(\$27)	(\$11,785)		
Feb-15	(\$39,918)	\$5,930	(\$33,988)	(\$36,953)	2.35%	(\$72)	(\$34,060)	(\$6,393)	\$1,099	(\$5,294)	(\$5,843)	2.35%	(\$11)	(\$5,305)	(\$11,785)	\$4,307	(\$7,478)	(\$9,631)	2.35%	(\$19)	(\$7,497)		
Mar-15	(\$34,060)	\$5,390	(\$28,671)	(\$31,365)	2.54%	(\$66)	(\$28,737)	(\$5,305)	\$1,063	(\$4,242)	(\$4,774)	2.54%	(\$10)	(\$4,252)	(\$7,497)	\$4,241	(\$3,256)	(\$5,376)	2.54%	(\$11)	(\$3,267)		
(2) Apr-15	(\$28,737)	\$2,506	(\$26,232)	(\$27,484)	2.54%	(\$58)	(\$26,290)	(\$4,252)	\$507	(\$3,745)	(\$3,999)	2.54%	(\$8)	(\$3,754)	(\$3,267)	\$2,211	(\$1,056)	(\$2,162)	2.54%	(\$5)	(\$1,061)		
		\$62,509							\$12,046								\$53,052						

	Rate B-32/G-32							Rate B-62/G-62/X-01							Rate SL						
	Over/(Under)			Ending				Over/(Under)			Ending				Over/(Under)			Ending			
	Beginning	Charge/	Ending	Interest	Interest		Recovery	Beginning	Charge/	Ending	Interest	Interest		Recovery	Beginning	Charge/	Ending	Interest	Interest		Recovery
Month	Balance	(Refund)	Balance	Balance	Rate	Interest	w/ Interest	Balance	(Refund)	Balance	Balance	Rate	Interest	w/ Interest	Balance	(Refund)	Balance	Balance	Rate	Interest	w/ Interest
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(a)	(b)	(c)	(d)	(e)	(f)	(g)
Jan-14	(\$5,333)		(\$55,333)	(\$55,333)	1.80%	(\$83)	(\$55,416)	(6,974)		(\$6,974)	(\$6,974)	1.80%	(\$10)	(\$6,984)	(1,562)		(\$1,562)	(\$1,562)	1.80%	(\$2)	(\$1,564)
Feb-14	(\$55,416)		(\$55,416)	(\$55,416)	1.80%	(\$83)	(\$55,499)	(\$6,984)		(\$6,984)	(\$6,984)	1.80%	(\$10)	(\$6,995)	(\$1,564)		(\$1,564)	(\$1,564)	1.80%	(\$2)	(\$1,567)
Mar-14	(\$55,499)		(\$55,499)	(\$55,499)	2.35%	(\$109)	(\$55,608)	(\$6,995)		(\$6,995)	(\$6,995)	2.35%	(\$14)	(\$7,009)	(\$1,567)		(\$1,567)	(\$1,567)	2.35%	(\$3)	(\$1,570)
(1) Apr-14	(\$55,608)	\$2,295	(\$53,313)	(\$54,460)	2.35%	(\$107)	(\$53,419)	(\$7,009)	\$524	(\$6,484)	(\$6,746)	2.35%	(\$13)	(\$6,497)	(\$1,570)	\$70	(\$1,500)	(\$1,535)	2.35%	(\$3)	(\$1,503)
May-14	(\$53,419)	\$3,334	(\$50,086)	(\$51,753)	2.35%	(\$101)	(\$50,187)	(\$6,497)	\$329	(\$6,169)	(\$6,333)	2.35%	(\$12)	(\$6,181)	(\$1,503)	\$94	(\$1,409)	(\$1,456)	2.35%	(\$3)	(\$1,412)
Jun-14	(\$50,187)	\$3,236	(\$46,951)	(\$48,569)	2.35%	(\$95)	(\$47,046)	(\$6,181)	\$453	(\$5,728)	(\$5,954)	2.35%	(\$12)	(\$5,739)	(\$1,412)	\$72	(\$1,340)	(\$1,376)	2.35%	(\$3)	(\$1,343)
Jul-14	(\$47,046)	\$3,436	(\$43,609)	(\$45,328)	2.35%	(\$89)	(\$43,698)	(\$5,739)	\$479	(\$5,261)	(\$5,500)	2.35%	(\$11)	(\$5,272)	(\$1,343)	\$79	(\$1,264)	(\$1,303)	2.35%	(\$3)	(\$1,267)
Aug-14	(\$43,698)	\$3,924	(\$39,774)	(\$41,736)	2.35%	(\$82)	(\$39,856)	(\$5,272)	(\$306)	(\$5,578)	(\$5,425)	2.35%	(\$11)	(\$5,589)	(\$1,267)	\$84	(\$1,183)	(\$1,225)	2.35%	(\$2)	(\$1,185)
Sep-14	(\$39,856)	\$3,590	(\$36,265)	(\$38,060)	2.35%	(\$75)	(\$36,340)	(\$5,589)	\$572	(\$5,016)	(\$5,302)	2.35%	(\$10)	(\$5,027)	(\$1,185)	\$106	(\$1,079)	(\$1,132)	2.35%	(\$2)	(\$1,081)
Oct-14	(\$36,340)	\$3,341	(\$32,999)	(\$34,669)	2.35%	(\$68)	(\$33,067)	(\$5,027)	\$932	(\$4,094)	(\$4,561)	2.35%	(\$9)	(\$4,103)	(\$1,081)	\$113	(\$968)	(\$1,025)	2.35%	(\$2)	(\$970)
Nov-14	(\$33,067)	\$3,222	(\$29,845)	(\$31,456)	2.35%	(\$62)	(\$29,907)	(\$4,103)	\$471	(\$3,632)	(\$3,868)	2.35%	(\$8)	(\$3,640)	(\$970)	\$121	(\$849)	(\$910)	2.35%	(\$2)	(\$851)
Dec-14	(\$29,907)	\$3,321	(\$26,585)	(\$28,246)	2.35%	(\$55)	(\$26,641)	(\$3,640)	\$400	(\$3,240)	(\$3,440)	2.35%	(\$7)	(\$3,246)	(\$851)	\$140	(\$711)	(\$781)	2.35%	(\$2)	(\$713)
Jan-15	(\$26,641)	\$3,274	(\$23,367)	(\$25,004)	2.35%	(\$49)	(\$23,416)	(\$3,246)	\$343	(\$2,904)	(\$3,075)	2.35%	(\$6)	(\$2,910)	(\$713)	\$149	(\$564)	(\$638)	2.35%	(\$1)	(\$565)
Feb-15	(\$23,416)	\$3,433	(\$19,983)	(\$21,699)	2.35%	(\$42)	(\$20,025)	(\$2,910)	\$421	(\$2,489)	(\$2,699)	2.35%	(\$5)	(\$2,494)	(\$565)	\$118	(\$447)	(\$506)	2.35%	(\$1)	(\$448)
Mar-15	(\$20,025)	\$3,257	(\$16,768)	(\$18,396)	2.54%	(\$39)	(\$16,807)	(\$2,494)	\$405	(\$2,089)	(\$2,291)	2.54%	(\$5)	(\$2,094)	(\$448)	\$106	(\$342)	(\$395)	2.54%	(\$1)	(\$343)
(2) Apr-15	(\$16,807)	\$1,727	(\$15,080)	(\$15,943)	2.54%	(\$34)	(\$15,113)	(\$2,094)	\$198	(\$1,896)	(\$1,995)	2.54%	(\$4)	(\$1,900)	(\$343)	\$51	(\$292)	(\$317)	2.54%	(\$1)	(\$292)
		\$41,391								\$5,221							\$1,302				

(1) Reflects kWhs consumed on and after to April 1  
(2) Reflects kWhs consumed prior to April 1

**Column Notes:**

- (a) Column (g) from previous month; beginning balance from Schedule JAL-14, Page 1 of 1, Line 9, Docket No. 4485 (2014 Electric Retail Rate Filing), filed February 2014
- (b) from monthly revenue reports
- (c) Column (a) + Column (b)
- (d) (Column (a) + Column (c)) ÷ 2
- (e) Current Rate for Customer Deposits
- (f) Column (d) x (Column (e)) ÷ 12
- (g) Column (c) + Column (f)

**Transmission Service Uncollectible Reconciliation  
For the Period January 2015 through December 2015**

**Status of Prior Period Over/(Under) Collection**

**Incurred:** January 1, 2014 through December 31, 2014  
**Recovery Period:** April 1, 2015 through March 31, 2016

Rate A-16/A-60								Rate C-06								Rate G-02							
Month	Over/(Under) Beginning Balance (a)	Charge/ (Refund) (b)	Ending Balance (c)	Interest Balance (d)	Interest Rate (e)	Interest (f)	Ending Over/(Under) Recovery w/ Interest (g)	Month	Over/(Under) Beginning Balance (a)	Charge/ (Refund) (b)	Ending Balance (c)	Interest Balance (d)	Interest Rate (e)	Interest (f)	Ending Over/(Under) Recovery w/ Interest (g)	Month	Over/(Under) Beginning Balance (a)	Charge/ (Refund) (b)	Ending Balance (c)	Interest Balance (d)	Interest Rate (e)	Interest (f)	Ending Over/(Under) Recovery w/ Interest (g)
Jan-15	(\$42,996)		(\$42,996)	(\$42,996)	2.35%	(\$84)	(\$43,080)	Jan-15	(\$12,272)		(\$12,272)	(\$12,272)	2.35%	(\$24)	(\$12,296)	Jan-15	(\$32,985)		(\$32,985)	(\$32,985)	2.35%	(\$65)	(\$33,050)
Feb-15	(\$43,080)		(\$43,080)	(\$43,080)	2.35%	(\$84)	(\$43,165)	Feb-15	(\$12,296)		(\$12,296)	(\$12,296)	2.35%	(\$24)	(\$12,320)	Feb-15	(\$33,050)		(\$33,050)	(\$33,050)	2.35%	(\$65)	(\$33,114)
Mar-15	(\$43,165)		(\$43,165)	(\$43,165)	2.54%	(\$91)	(\$43,256)	Mar-15	(\$12,320)		(\$12,320)	(\$12,320)	2.54%	(\$26)	(\$12,346)	Mar-15	(\$33,114)		(\$33,114)	(\$33,114)	2.54%	(\$70)	(\$33,184)
(1) Apr-15	(\$43,256)	2,224	(\$41,032)	(\$42,144)	2.54%	(\$89)	(\$41,121)	Apr-15	(\$12,346)	450	(\$11,896)	(\$12,121)	2.54%	(\$26)	(\$11,922)	Apr-15	(\$33,184)	1,963	(\$31,222)	(\$32,203)	2.54%	(\$68)	(\$31,290)
May-15	(\$41,121)	\$3,942	(\$37,179)	(\$39,150)	2.54%	(\$83)	(\$37,262)	May-15	(\$11,922)	\$843	(\$11,079)	(\$11,500)	2.54%	(\$24)	(\$11,103)	May-15	(\$31,290)	\$3,861	(\$27,429)	(\$29,360)	2.54%	(\$62)	(\$27,491)
Jun-15	(\$37,262)	\$4,389	(\$32,872)	(\$35,067)	2.54%	(\$74)	(\$32,946)	Jun-15	(\$11,103)	\$920	(\$10,183)	(\$10,643)	2.54%	(\$23)	(\$10,206)	Jun-15	(\$27,491)	\$4,369	(\$23,122)	(\$25,306)	2.54%	(\$54)	(\$23,175)
Jul-15	(\$32,946)	\$5,542	(\$27,404)	(\$30,175)	2.54%	(\$64)	(\$27,468)	Jul-15	(\$10,206)	\$1,017	(\$9,188)	(\$9,697)	2.54%	(\$21)	(\$9,209)	Jul-15	(\$23,175)	\$4,673	(\$18,503)	(\$20,839)	2.54%	(\$44)	(\$18,547)
Aug-15	(\$27,468)	\$6,621	(\$20,847)	(\$24,158)	2.54%	(\$51)	(\$20,898)	Aug-15	(\$9,209)	\$1,158	(\$8,051)	(\$8,630)	2.54%	(\$18)	(\$8,069)	Aug-15	(\$18,547)	\$5,107	(\$13,440)	(\$15,993)	2.54%	(\$34)	(\$13,474)
Sep-15	(\$20,898)	\$6,640	(\$14,258)	(\$17,578)	2.54%	(\$37)	(\$14,295)	Sep-15	(\$8,069)	\$1,144	(\$6,925)	(\$7,497)	2.54%	(\$16)	(\$6,941)	Sep-15	(\$13,474)	\$5,189	(\$8,285)	(\$10,879)	2.54%	(\$23)	(\$8,308)
Oct-15	(\$14,295)	\$4,610	(\$9,685)	(\$11,990)	2.54%	(\$25)	(\$9,711)	Oct-15	(\$6,941)	\$912	(\$6,029)	(\$6,485)	2.54%	(\$14)	(\$6,042)	Oct-15	(\$8,308)	\$4,266	(\$4,041)	(\$6,174)	2.54%	(\$13)	(\$4,054)
Nov-15	(\$9,711)	\$3,969	(\$5,742)	(\$7,726)	2.54%	(\$16)	(\$5,758)	Nov-15	(\$6,042)	\$810	(\$5,232)	(\$5,637)	2.54%	(\$12)	(\$5,244)	Nov-15	(\$4,054)	\$3,773	(\$282)	(\$2,168)	2.54%	(\$5)	(\$286)
Dec-15	(\$5,758)	\$5,109	(\$650)	(\$3,204)	2.54%	(\$7)	(\$656)	Dec-15	(\$5,244)	\$964	(\$4,280)	(\$4,762)	2.54%	(\$10)	(\$4,290)	Dec-15	(\$286)	\$4,311	\$4,024	\$1,869	2.54%	\$4	\$4,028
Jan-16	(\$656)	\$5,381	\$4,724	\$2,034	2.54%	\$4	\$4,729	Jan-16	(\$4,290)	\$978	(\$3,312)	(\$3,801)	2.54%	(\$8)	(\$3,320)	Jan-16	\$4,028	\$4,304	\$8,332	\$6,180	2.54%	\$13	\$8,345
Feb-16	\$4,729	\$0	\$4,729	\$4,729	2.54%	\$10	\$4,739	Feb-16	(\$3,320)	\$0	(\$3,320)	(\$3,320)	2.54%	(\$7)	(\$3,327)	Feb-16	\$8,345	\$0	\$8,345	\$8,345	2.54%	\$18	\$8,363
Mar-16	\$4,739	\$0	\$4,739	\$4,739	0.02%	\$0	\$4,739	Mar-16	(\$3,327)	\$0	(\$3,327)	(\$3,327)	0.02%	(\$0)	(\$3,327)	Mar-16	\$8,363	\$0	\$8,363	\$8,363	0.02%	\$0	\$8,363
(2) Apr-16	\$4,739	\$0	\$4,739	\$4,739	0.02%	\$0	\$4,739	Apr-16	(\$3,327)	\$0	(\$3,327)	(\$3,327)	0.02%	(\$0)	(\$3,327)	Apr-16	\$8,363	\$0	\$8,363	\$8,363	0.02%	\$0	\$8,363
\$48,427								\$9,197								\$41,815							

Rate B-32/G-32								Rate B-62/G-62/X-01								Rate SL							
Month	Over/(Under) Beginning Balance (a)	Charge/ (Refund) (b)	Ending Balance (c)	Interest Balance (d)	Interest Rate (e)	Interest (f)	Ending Over/(Under) Recovery w/ Interest (g)	Month	Over/(Under) Beginning Balance (a)	Charge/ (Refund) (b)	Ending Balance (c)	Interest Balance (d)	Interest Rate (e)	Interest (f)	Ending Over/(Under) Recovery w/ Interest (g)	Month	Over/(Under) Beginning Balance (a)	Charge/ (Refund) (b)	Ending Balance (c)	Interest Balance (d)	Interest Rate (e)	Interest (f)	Ending Over/(Under) Recovery w/ Interest (g)
Jan-15	(\$41,288)		(\$41,288)	(\$41,288)	2.35%	(\$81)	(\$41,369)	Jan-15	(\$7,875)		(\$7,875)	(\$7,875)	2.35%	(\$15)	(\$7,890)	Jan-15	(\$1,055)		(\$1,055)	(\$1,055)	2.35%	(\$2)	(\$1,057)
Feb-15	(\$41,369)		(\$41,369)	(\$41,369)	2.35%	(\$81)	(\$41,450)	Feb-15	(\$7,890)		(\$7,890)	(\$7,890)	2.35%	(\$15)	(\$7,906)	Feb-15	(\$1,057)		(\$1,057)	(\$1,057)	2.35%	(\$2)	(\$1,059)
Mar-15	(\$41,450)		(\$41,450)	(\$41,450)	2.54%	(\$88)	(\$41,538)	Mar-15	(\$7,906)		(\$7,906)	(\$7,906)	2.54%	(\$17)	(\$7,923)	Mar-15	(\$1,059)		(\$1,059)	(\$1,059)	2.54%	(\$2)	(\$1,061)
(1) Apr-15	(\$41,538)	1,533	(\$40,004)	(\$40,771)	2.54%	(\$86)	(\$40,091)	Apr-15	(\$7,923)	176	(\$7,747)	(\$7,835)	2.54%	(\$17)	(\$7,763)	Apr-15	(\$1,061)	46	(\$1,016)	(\$1,039)	2.54%	(\$2)	(\$1,018)
May-15	(\$40,091)	\$3,161	(\$36,930)	(\$38,510)	2.54%	(\$82)	(\$37,011)	May-15	(\$7,763)	\$355	(\$7,408)	(\$7,586)	2.54%	(\$16)	(\$7,424)	May-15	(\$1,018)	\$91	(\$927)	(\$973)	2.54%	(\$2)	(\$930)
Jun-15	(\$37,011)	\$3,470	(\$33,541)	(\$35,276)	2.54%	(\$75)	(\$33,616)	Jun-15	(\$7,424)	\$373	(\$7,052)	(\$7,238)	2.54%	(\$15)	(\$7,067)	Jun-15	(\$930)	\$75	(\$854)	(\$892)	2.54%	(\$2)	(\$856)
Jul-15	(\$33,616)	\$3,501	(\$30,116)	(\$31,866)	2.54%	(\$67)	(\$30,183)	Jul-15	(\$7,067)	\$346	(\$6,721)	(\$6,894)	2.54%	(\$15)	(\$6,736)	Jul-15	(\$856)	\$78	(\$778)	(\$817)	2.54%	(\$2)	(\$780)
Aug-15	(\$30,183)	\$3,714	(\$26,469)	(\$28,326)	2.54%	(\$60)	(\$26,529)	Aug-15	(\$6,736)	\$477	(\$6,259)	(\$6,497)	2.54%	(\$14)	(\$6,272)	Aug-15	(\$780)	\$89	(\$690)	(\$735)	2.54%	(\$2)	(\$692)
Sep-15	(\$26,529)	\$3,812	(\$22,717)	(\$24,623)	2.54%	(\$52)	(\$22,769)	Sep-15	(\$6,272)	\$437	(\$5,835)	(\$6,054)	2.54%	(\$13)	(\$5,848)	Sep-15	(\$692)	\$100	(\$592)	(\$642)	2.54%	(\$1)	(\$593)
Oct-15	(\$22,769)	\$3,149	(\$19,620)	(\$21,194)	2.54%	(\$45)	(\$19,664)	Oct-15	(\$5,848)	\$398	(\$5,450)	(\$5,649)	2.54%	(\$12)	(\$5,462)	Oct-15	(\$593)	\$109	(\$485)	(\$539)	2.54%	(\$1)	(\$486)
Nov-15	(\$19,664)	\$3,108	(\$16,557)	(\$18,111)	2.54%	(\$38)	(\$16,595)	Nov-15	(\$5,462)	\$353	(\$5,109)	(\$5,285)	2.54%	(\$11)	(\$5,120)	Nov-15	(\$486)	\$120	(\$366)	(\$426)	2.54%	(\$1)	(\$367)
Dec-15	(\$16,595)	\$3,347	(\$13,248)	(\$14,921)	2.54%	(\$32)	(\$13,279)	Dec-15	(\$5,120)	\$385	(\$4,736)	(\$4,928)	2.54%	(\$10)	(\$4,746)	Dec-15	(\$367)	\$139	(\$228)	(\$298)	2.54%	(\$1)	(\$229)
Jan-16	(\$13,279)	\$3,221	(\$10,058)	(\$11,669)	2.54%	(\$25)	(\$10,083)	Jan-16	(\$4,746)	\$337	(\$4,409)	(\$4,578)	2.54%	(\$10)	(\$4,419)	Jan-16	(\$229)	\$148	(\$81)	(\$155)	2.54%	(\$0)	(\$82)
Feb-16	(\$10,083)	\$0	(\$10,083)	(\$10,083)	2.54%	(\$21)	(\$10,104)	Feb-16	(\$4,419)	\$0	(\$4,419)	(\$4,419)	2.54%	(\$9)	(\$4,428)	Feb-16	(\$82)	\$0	(\$82)	(\$82)	2.54%	(\$0)	(\$82)
Mar-16	(\$10,104)	\$0	(\$10,104)	(\$10,104)	0.02%	(\$0)	(\$10,104)	Mar-16	(\$4,428)	\$0	(\$4,428)	(\$4,428)	0.02%	(\$0)	(\$4,428)	Mar-16	(\$82)	\$0	(\$82)	(\$82)	0.02%	(\$0)	(\$82)
(2) Apr-16	(\$10,104)	\$0	(\$10,104)	(\$10,104)	0.02%	(\$0)	(\$10,105)	Apr-16	(\$4,428)	\$0	(\$4,428)	(\$4,428)	0.02%	(\$0)	(\$4,429)	Apr-16	(\$82)	\$0	(\$82)	(\$82)	0.02%	(\$0)	(\$82)
\$32,016								\$3,636								\$993							

- (1) Reflects kWhs consumed on and after to April 1  
(2) Reflects kWhs consumed prior to April 1

**Column Notes:**

- (a) Column (g) from previous month; beginning balance from Schedule JAL-14, Page 1 of 4, Line 10, Docket No. 4554 (2015 Electric Retail Rate Filing), filed February 2015  
(b) from monthly revenue reports  
(c) Column (a) + Column (b)  
(d) (Column (a) + Column (c)) ÷ 2  
(e) Current Rate for Customer Deposits  
(f) Column (d) x (Column (e) ÷ 12)  
(g) Column (c) + Column (f)





**THE NARRAGANSETT ELECTRIC COMPANY  
D/B/A NATIONAL GRID  
RIPUC DOCKET NO. \_\_\_\_  
2016 ELECTRIC RETAIL RATE FILING  
WITNESS: ADAM S. CRARY**

## **Schedule ASC-16**

### **Calculation of Net Metering Charge**

Calculation of Net Metering Charge  
Through the Period Ending December 31, 2015

	Total Renewable Generation Credits (a)	Energy Sales to ISO-NE for Net- Metered Customers (b)	Qualifying Facilities Power Purchase Recoverable Costs (c)	Adjustment (d)	Total Over(Under) Recovery (e)
Jan-15	(\$4,759)	\$31,688	(\$137,164)		(\$110,235)
Feb-15	(\$4,998)	\$34,660	(\$41,144)		(\$11,481)
Mar-15	(\$2,376)	\$13,984	(\$92,946)		(\$81,338)
Apr-15	(\$9,278)	\$6,099	(\$73,395)		(\$76,574)
May-15	(\$20,953)	\$5,700	(\$46,286)		(\$61,539)
Jun-15	(\$19,276)	\$2,120	(\$46,129)		(\$63,285)
Jul-15	(\$11,528)	\$2,813	(\$32,295)		(\$41,010)
Aug-15	(\$11,322)	\$3,288	(\$3,283)		(\$11,317)
Sep-15	(\$9,307)	\$4,482	\$1,207		(\$3,619)
Oct-15	(\$10,795)	\$3,796	(\$6,679)		(\$13,679)
Nov-15	(\$11,868)	\$3,311	(\$15,676)		(\$24,233)
Dec-15	(\$12,507)	\$3,822	(\$44,920)		(\$53,605)
	<u>(\$128,967)</u>	<u>\$115,762</u>	<u>(\$538,710)</u>	<u>\$0</u>	<u>(\$551,915)</u>

(1) Forecasted kWhs April 1, 2016 through March 31, 2017 7,609,060,643

(2) Proposed Net Metering Charge \$0.00007

Column Descriptions:

- (a) per company reports
- (b) from ISO monthly bill
- (c) per invoices
- (d)
- (e) Col (a) + Col (b) + Col (c) + Col (d)

- (1) per company forecast
- (2) Total Over(Under) Recovery per column (e) ÷ forecasted kWhs, truncated to 5 decimal places

Net Metering Reconciliation

**Incurred:** January 1, 2013 through December 31, 2014  
**Recovery Period:** April 1, 2015 through March 31, 2016

	Beginning Over (Under) Recovery Balance (a)	Net Metering Revenue (b)	Ending Over (Under) Recovery Balance (c)
Jan-15	(\$177,080)		(\$177,080)
Feb-15	(\$177,080)		(\$177,080)
Mar-15	(\$177,080)		(\$177,080)
(1) Apr-15	(\$177,080)	\$5,587	(\$171,493)
May-15	(\$171,493)	\$10,677	(\$160,816)
Jun-15	(\$160,816)	\$11,784	(\$149,032)
Jul-15	(\$149,032)	\$13,166	(\$135,866)
Aug-15	(\$135,866)	\$15,091	(\$120,775)
Sep-15	(\$120,775)	\$15,165	(\$105,611)
Oct-15	(\$105,611)	\$11,710	(\$93,901)
Nov-15	(\$93,901)	\$10,599	(\$83,302)
Dec-15	(\$83,302)	\$12,483	(\$70,819)
Jan-16	(\$70,819)	\$12,552	(\$58,266)
Feb-16	(\$58,266)	\$0	(\$58,266)
Mar-16	(\$58,266)	\$0	(\$58,266)
(2) Apr-16	(\$58,266)	\$0	(\$58,266)
Totals	(\$177,080)	\$118,814	(\$58,266)

(1) reflects revenues based on kWhs consumed prior to April 1

(2) reflects revenues based on kWhs consumed after April 1

Column Descriptions:

- (a) from previous month column (c); beginning balance per R.I.P.U.C. Docket No. 4554 filed February 2015, Schedule JAL-15, page 1
- (b) per company reports
- (c) column (a) + column (b)



**THE NARRAGANSETT ELECTRIC COMPANY  
D/B/A NATIONAL GRID  
RIPUC DOCKET NO. \_\_\_\_  
2016 ELECTRIC RETAIL RATE FILING  
WITNESS: ADAM S. CRARY**

**Schedule ASC-17**

**Net Metering Report for 2015**

**The Narragansett Electric Company  
NET METERING REPORT**

Facility ID	Town	Capacity (kW)	Fuel Type	DG type	Date Authority to Interconnect Sent	Rate Class	Estimated Annual Generation - kWh
RI-000090	Pawtucket	0.5	Solar	Inverter	7/31/1998	A16	550
RI-000083	East Greenwich	1	Solar	Inverter	9/3/1998	A16	1,100
NECO-000026	Charlestown	2.1	Solar	Inverter	7/22/1999	A16	2,310
RI-000116	Middletown	58	Solar	Inverter	9/9/1999	G32	63,800
RI-000084	Foster	4	Solar	Inverter	12/31/1999	A16	4,400
RI-000085	WARWICK	1.4	Solar	Inverter	6/15/2000	A16	1,540
RI-000086	Cranston	0.3	Solar	Inverter	7/1/2000	A16	330
RI-000088	Portsmouth	5	Solar	Inverter	10/1/2000	A16	5,500
NECO-000035	Providence	1.14	Solar	Inverter	6/21/2001	A16	1,254
NECO-000036	Middletown	1.8	Solar	Inverter	11/1/2001	A16	1,980
NECO-000037	Burrillville	2	Solar	Inverter	1/1/2002	G32	2,200
NECO-000034	West Kingston	5.76	Solar	Inverter	3/12/2002	G2	6,336
NECO-000033	Providence	2	Solar	Inverter	5/1/2002	G32	2,200
NECO-000031	Cranston	2	Solar	Inverter	8/15/2002	G32	2,200
NECO-000032	North Kingstown	2	Solar	Inverter	8/15/2002	G2	2,200
NECO-000030	West Kingston	2.5	Solar	Inverter	2/3/2003	A16	2,750
NECO-000003	Charlestown	3.6	Solar	Inverter	8/1/2003	A16	3,960
NECO-000002	Wakefield	10	Wind	(blank)	8/4/2003	A16	24,000
NECO-000004	Cranston	3	Solar	Inverter	10/6/2003	A16	3,300
NECO-000006	Westerly	3	Solar	Inverter	1/15/2004	A16	3,300
NECO-000007	Bristol	8	Solar	Inverter	5/14/2004	G2	8,800
NECO-000014	Cumberland	8.4	Solar	Inverter	9/10/2004	A16	9,240
NECO-000024	Bristol	3.6	Solar	Inverter	9/17/2004	G32	3,960
NECO-000025	Bristol	9	Solar	Inverter	9/17/2004	G32	9,900
NECO-000001	Little Compton	10.53	Solar	Inverter	10/27/2004	A16	11,583
NECO-000008	Westerly	5	Solar	Inverter	10/28/2004	A16	5,500
NECO-000023	Narragansett	5.3	Solar	Inverter	11/9/2004	A16	5,830
RI-000004	Charlestown	2.7	Solar	Inverter	1/7/2005	A16	2,970
NECO-000009	West Greenwich	1.8	Solar	Inverter	3/9/2005	G2	1,980
NECO-000018	SCITUATE	1.8	Solar	Inverter	5/5/2005	G32	1,980
NECO-000010	Providence	20.04	Solar	Inverter	5/10/2005	G2	22,044
RI-000001	Little Compton	10.03	Solar	Inverter	5/25/2005	A16	11,033
NECO-000027	Providence	3.96	Solar	Inverter	5/27/2005	A16	4,356
RI-000087	North Kingstown	3	Solar	Inverter	6/1/2005	A16	3,300
NECO-000022	Wood River Jct	15	Solar	Inverter	6/2/2005	C06	16,500
NECO-000011	WARWICK	8.95	Solar	Inverter	6/21/2005	A16	9,845
NECO-000015	Barrington	4.488	Solar	Inverter	8/10/2005	A16	4,937
NECO-000021	Barrington	2.9	Solar	Inverter	8/12/2005	A16	3,190
NECO-000020	WARWICK	7.3	Solar	Inverter	8/12/2005	A16	8,030
NECO-000016	Tiverton	5.1	Solar	Inverter	8/24/2005	A16	5,610
NECO-000017	Lincoln	5.1	Solar	Inverter	8/24/2005	A16	5,610
RI-000007	Providence	1	Solar	Inverter	10/25/2005	G62	1,100
RI-000045	Narragansett	4	Solar	Inverter	10/27/2005	A16	4,400
RI-000010	Tiverton	5	Solar	Inverter	10/27/2005	G02	5,500
RI-000006	Cumberland	3.05	Solar	Inverter	12/12/2005	A16	3,355
NECO-000028	Providence	24.9	Solar	Inverter	12/29/2005	G32	27,390

Facility ID	Town	Capacity (kW)	Fuel Type	DG type	Date Authority to Interconnect Sent	Rate Class	Estimated Annual Generation - kWh
RI-000069	West Kingston	5.55	Solar	Inverter	12/31/2005	A16	6,105
RI-000044	Middletown	3	Solar	Inverter	1/1/2006	C06	3,300
RI-000089	Charlestown	5.2	Solar	Inverter	1/1/2006	A16	5,720
RI-000041	Providence	1.1	Solar	Inverter	1/26/2006	C06	1,210
RI-000027	Providence	6	Solar	Inverter	1/27/2006	A16	6,600
RI-000033	Ashaway	6.84	Solar	Inverter	1/27/2006	A16	7,524
RI-000038	Providence	3.42	Solar	Inverter	2/7/2006	A16	3,762
RI-000031	Providence	5.13	Solar	Inverter	2/20/2006	A16	5,643
RI-000005	Narragansett	4	Solar	Inverter	3/2/2006	A16	4,400
NECO-000013	Wakefield	5.32	Solar	Inverter	3/17/2006	A16	5,852
RI-000012	Kingstown	5.86	Solar	Inverter	3/31/2006	C06	6,446
NECO-000019	Portsmouth	660	Wind	Induction	4/1/2006	G32	1,584,000
RI-000011	Charlestown	4	Solar	Inverter	4/7/2006	A16	4,400
RI-000032	GLOUCESTER	4.56	Solar	Inverter	4/14/2006	A16	5,016
RI-000008	Smithfield	10.54	Solar	Inverter	4/14/2006	A16	11,594
RI-000014	Tiverton	4.008	Solar	Inverter	4/17/2006	A16	4,409
RI-000026	West Kingston	4	Solar	Inverter	4/27/2006	A16	4,400
RI-000030	Charlestown	4.18	Solar	Inverter	4/27/2006	A16	4,598
NECO-000029	Cranston	50	Solar	Inverter	5/1/2006	C06	55,000
RI-000039	Warren	4.56	Solar	Inverter	5/9/2006	A16	5,016
RI-000016	Wakefield	5.7	Solar	Inverter	5/9/2006	A16	6,270
RI-000022	Westerly	3.99	Solar	Inverter	5/18/2006	A16	4,389
RI-000003	Peacedale	5.1	Solar	Inverter	6/2/2006	A16	5,610
RI-000025	Portsmouth	3.4	Solar	Inverter	7/5/2006	A16	3,740
RI-000019	Narragansett	3.3	Solar	Inverter	7/26/2006	A16	3,630
RI-000021	South Kingstown	3.8	Solar	Inverter	7/26/2006	A16	4,180
RI-000020	Charlestown	5.32	Solar	Inverter	7/26/2006	A16	5,852
RI-000017	Wakefield	5.94	Solar	Inverter	7/26/2006	A16	6,534
RI-000024	West Kingston	3.8	Solar	Inverter	8/17/2006	A16	4,180
RI-000054	Portsmouth	1.8	Solar	Inverter	8/31/2006	G02	1,980
RI-000040	Narragansett	5.7	Solar	Inverter	9/16/2006	A16	6,270
RI-000028	Providence	3.06	Solar	Inverter	10/10/2006	A16	3,366
RI-000002	Charlestown	5.25	Solar	Inverter	10/30/2006	A60	5,775
RI-000013	Hope Valley	6.88	Solar	Inverter	10/30/2006	A16	7,568
RI-000036	Jamestown	1.4	Solar	Inverter	11/2/2006	A16	1,540
RI-000051	Bristol	4.2	Solar	Inverter	12/1/2006	A16	4,620
RI-000035	South Kingstown	6.27	Solar	Inverter	12/11/2006	A16	6,897
RI-000018	Barrington	3.25	Solar	Inverter	12/19/2006	A16	3,575
RI-000009	Bristol	4	Solar	Inverter	12/19/2006	A16	4,400
RI-000042a	Westerly	5.9	Solar	Inverter	1/11/2007	A16	6,490
RI-000042b	Westerly	5.9	Solar	Inverter	1/11/2007	A16	6,490
RI-000046	Westerly	6.4	Solar	Inverter	1/11/2007	A16	7,040
RI-000023	Providence	1.7	Solar	Inverter	1/12/2007	A16	1,870
RI-000049	Bristol	2	Solar	Inverter	1/31/2007	G02	2,200
RI-000050	Middletown	2	Solar	Inverter	2/1/2007	G02	2,200
RI-000043	Pawtucket	3.4	Solar	Inverter	2/2/2007	A16	3,740

Facility ID	Town	Capacity (kW)	Fuel Type	DG type	Date Authority to Interconnect Sent	Rate Class	Estimated Annual Generation - kWh
RI-000052	Wakefield	5.9	Solar	Inverter	2/6/2007	A16	6,490
RI-000037	Cranston	5.7	Solar	Inverter	2/16/2007	A16	6,270
RI-000053	SCITUATE	15.45	Solar	Inverter	6/11/2007	C06	16,995
RI-000059	North Smithfield	2	Solar	Inverter	7/6/2007	G32	2,200
RI-000060	Covertry	2	Solar	Inverter	7/6/2007	G32	2,200
RI-000062	Hope Valley	3.12	Solar	Inverter	7/19/2007	C06	3,432
RI-000073	Little Compton	3.04	Solar	Inverter	8/28/2007	A16	3,344
RI-000071	Portsmouth	3.15	Solar	Inverter	9/25/2007	A16	3,465
RI-000056	Greenville	19.4	Solar	Inverter	9/26/2007	G02	21,340
RI-000061	Peace Dale	2	Solar	Inverter	9/27/2007	G32	2,200
RI-000074	WARWICK	1.75	Solar	Inverter	10/1/2007	A16	1,925
RI-000072	Middletown	2.45	Solar	Inverter	10/12/2007	A16	2,695
RI-000077	Jamestown	3.675	Solar	Inverter	10/22/2007	A16	4,043
RI-000080	Wakefield	2.4	Wind	Inverter	10/23/2007	A16	5,760
RI-000078	SCITUATE	7.56	Solar	Inverter	10/29/2007	A16	8,316
RI-000082	Little Compton	2.8	Solar	Inverter	11/7/2007	A16	3,080
RI-000079	Newport	24.5	Solar	Inverter	11/16/2007	G02	26,950
RI-000081	South Kingstown	4.2	Solar	Inverter	12/7/2007	A16	4,620
RI-000058	West Greenwich	1.575	Solar	Inverter	12/13/2007	C06	1,733
RI-000057	Jamestown	3.15	Solar	Inverter	12/31/2007	A16	3,465
RI-000055	Wakefield	7	Solar	Inverter	12/31/2007	A16	7,700
RI-000096	Narragansett	5.32	Solar	Inverter	6/9/2008	A16	5,852
RI-000102	West Warwick	2	Solar	Inverter	6/13/2008	G02	2,200
RI-000075	Little Compton	5.4	Solar	Inverter	6/18/2008	A16	5,940
RI-000097	Jamestown	5.05	Solar	Inverter	6/25/2008	A16	5,555
RI-000098	Portsmouth	5.6	Solar	Inverter	6/26/2008	A16	6,160
RI-000100	Middletown	4.8	Wind	(blank)	7/3/2008	A16	11,520
RI-000104	Westerly	7.2	Solar	Inverter	8/26/2008	A16	7,920
RI-000103	Saunderstown	3	Solar	Inverter	9/17/2008	A16	3,300
RI-000112	Portsmouth	3	Solar	Inverter	9/26/2008	A16	3,300
RI-000110	Little Compton	4.2	Solar	Inverter	9/29/2008	A16	4,620
RI-000107	Wakefield	3.24	Solar	Inverter	9/30/2008	A16	3,564
RI-000111	Providence	3.28	Solar	Inverter	10/8/2008	C06	3,608
RI-000113	Newport	3.07	Solar	Inverter	10/14/2008	A16	3,377
RI-000109	Providence	2.87	Solar	Inverter	10/30/2008	A16	3,157
RI-000120	Middletown	1.2	Wind	Inverter	11/20/2008	A16	2,880
RI-000119	Middletown	1.98	Solar	Inverter	11/20/2008	A16	2,178
RI-000117	Newport	2	Solar	Inverter	11/20/2008	A16	2,200
RI-000121	Johnston	2.88	Solar	Inverter	12/8/2008	A16	3,168
RI-000126	Cumberland	1.8	Solar	Inverter	1/14/2009	A16	1,980
RI-000122	Tiverton	2	Solar	Inverter	1/14/2009	A16	2,200
RI-000128	North Providence	3.15	Solar	Inverter	1/15/2009	A16	3,465
RI-000124	W. Greenwich	5.04	Solar	Inverter	1/15/2009	A16	5,544
RI-000123	Middletown	27.6	Solar	Inverter	2/17/2009	C06	30,360
RI-000129	Hope (Fiskeville)	6	Solar	Inverter	2/26/2009	A16	6,600
RI-000101	Portsmouth	1500	Wind	Induction	3/18/2009	G32	3,600,000



Facility ID	Town	Capacity (kW)	Fuel Type	DG type	Date Authority to Interconnect Sent	Rate Class	Estimated Annual Generation - kWh
RI-000135	Wyoming	7	Solar	Inverter	4/1/2009	A16	7,700
RI-000133	Westerly	3.78	Solar	Inverter	4/7/2009	A16	4,158
RI-000137	Johnston	5.46	Solar	Inverter	4/22/2009	A16	6,006
RI-000108	WARWICK	23.625	Solar	Inverter	5/18/2009	G02	25,988
RI-000136	Hopkinton	1.8	Solar	Inverter	6/19/2009	A16	1,980
RI-000144	Foster	1.3	Wind	Inverter	7/6/2009	A16	3,120
RI-000142	Charleston	4.2	Solar	Inverter	7/7/2009	A16	4,620
RI-000132	WARWICK	100	Wind	Inverter	8/18/2009	G32	240,000
RI-000147	Cranston	3.85	Solar	Inverter	8/20/2009	A16	4,235
RI-000151	Jamestown	1.8	Solar	Inverter	11/18/2009	A16	1,980
RI-000148	Prudence Island	2.1	Solar	Inverter	11/19/2009	A16	2,310
RI-000157	Hope Valley	3.6	Solar	Inverter	12/4/2009	A16	3,960
RI-000146	Middletown	100	Wind	Inverter	12/10/2009	G02	240,000
RI-000160	Providence	50	Solar	Inverter	12/29/2009	G02	55,000
RI-000154	Providence	75	Solar	Inverter	12/29/2009	G02	82,500
RI-000159	Cumberland	5	Solar	Inverter	1/11/2010	A16	5,500
RI-000163	Woonsocket	3	Solar	Inverter	1/12/2010	A16	3,300
RI-000162	Jamestown	4.5	Solar	Inverter	1/15/2010	A16	4,950
RI-000152	Tiverton	4.8	Solar	Inverter	2/22/2010	A16	5,280
RI-000176	N Smithfield	1.5	Wind	Inverter	6/10/2010	A16	3,600
RI-000177	Barrington	6	Solar	Inverter	6/22/2010	A16	6,600
RI-000174	Rumford	3	Solar	Inverter	7/19/2010	A16	3,300
RI-000183	Little Compton	3	Solar	Inverter	7/19/2010	A16	3,300
RI-000184	Bristol	4	Solar	Inverter	7/23/2010	A16	4,400
RI-000172	SCITUATE	4	Solar	Inverter	7/26/2010	A16	4,400
RI-000175	Providence	1.5	Wind	Inverter	8/2/2010	C06	3,600
RI-000156	South Kingston(Wakefield)	3.15	Solar	Inverter	8/17/2010	A16	3,465
RI-000171	Narragansett	4	Solar	Inverter	10/5/2010	A16	4,400
RI-000127	Narragansett	10	Wind	Inverter	10/8/2010	C06	24,000
RI-000178	Little Compton	14	Solar	Inverter	10/19/2010	A16	15,400
RI-000194	Exeter	3.61	Solar	Inverter	11/10/2010	A16	3,971
RI-000190	Jamestown	4	Solar	Inverter	11/16/2010	C02	4,400
RI-000170	Barrington	3	Solar	Inverter	11/19/2010	A16	3,300
RI-000181	SCITUATE	3	Solar	Inverter	11/19/2010	A16	3,300
RI-000209	North Kingstown	1.5	Wind	Inverter	1/7/2011	A16	3,600
RI-000207	West Kingston	4	Solar	Inverter	1/13/2011	A16	4,400
RI-000193	Narragansett	5	Solar	Inverter	1/18/2011	A16	5,500
RI-000208	Charlestown	5	Solar	Inverter	2/1/2011	A16	5,500
RI-000216	West Kingston	5.25	Solar	Inverter	3/2/2011	A16	5,775
RI-000188	Pawtucket	164	Solar	Inverter	3/2/2011	G32	180,400
RI-000192a	Johnston	19	Solar	Inverter	3/9/2011	G02	20,900
RI-000212	South Kingston	2.6	Solar	Inverter	3/18/2011	A16	2,860
RI-000201	Charlestown	30	Solar	Inverter	3/22/2011	G02	33,000
RI-000200	North Kingston	2.9	Solar	Inverter	3/23/2011	A16	3,190
RI-000191	Providence	50	Solar	Inverter	3/23/2011	C02	55,000
RI-000192c	Providence	20.3	Solar	Inverter	3/30/2011	G02	22,330
RI-000192b	Barrington	21	Solar	Inverter	4/5/2011	G02	23,100
RI-000218	Compton	4.8	Solar	Inverter	4/8/2011	A16	5,280
RI-000210	Newport	1.14	Solar	Inverter	7/13/2011	A16	1,254

Facility ID	Town	Capacity (kW)	Fuel Type	DG type	Date Authority to Interconnect Sent	Rate Class	Estimated Annual Generation - kWh
RI-000224	Cumberland	2.27	Solar	Inverter	8/2/2011	A16	2,497
RI-000228	North Smithfield	13	Solar	Inverter	8/11/2011	G32	14,300
RI-000229	Charlestown	3	Solar	Inverter	10/7/2011	A16	3,300
RI-000235	Providence	4	Solar	Inverter	10/10/2011	A16	4,400
RI-000227	Lincoln	60	Solar	Inverter	10/10/2011	G02	66,000
RI-000230	Littlecompton	4	Solar	Inverter	10/17/2011	A16	4,400
RI-000213	Narragansett	100	Wind	Inverter	10/19/2011	G02	240,000
RI-000217	Providence	35	Solar	Inverter	11/10/2011	(blank)	38,500
RI-000232	Providence	10	Solar	Inverter	11/18/2011	NA	11,000
RI-000234	Hope Valley	6	Solar	Inverter	12/20/2011	A16	6,600
13433708	L COMPTON	4	Solar	Inverter	1/20/2012	A-16	4,400
13163366	CRANSTON	3	Solar	Inverter	1/27/2012	A-16	3,300
13163630	KENYON	4	Solar	Inverter	1/27/2012	R-1	4,400
13287157	WEST WARWICK	150	Solar	Inverter	1/27/2012	G-2	165,000
13168640	TIVERTON	5	Solar	Inverter	1/30/2012	A-16	5,500
13337931	WEST WARWICK	225	Hydro	synchronous	2/1/2012	B-32	450,000
13286055	CUMBERLAND	260	Solar	Inverter	2/10/2012	G-32	286,000
12240150	BRISTOL	4	Solar	Inverter	2/13/2012	A-16	4,400
13163682	ESMOND	7	Solar	Inverter	2/13/2012	R-1	7,700
13169212	PROVIDENCE	0.57	Solar	Inverter	2/13/2012	A-16	627
12148883	NEWPORT	8	Solar	Inverter	2/28/2012	A-16	8,800
13168408	RUMFORD	4	Solar	Inverter	2/29/2012	A-16	4,400
12442025	BRISTOL	5	Solar	Inverter	3/9/2012	A-16	5,500
13168551	LINCOLN	5	Solar	Inverter	3/9/2012	A-16	5,500
13551480	LINCOLN	6	Solar	Inverter	3/12/2012	G-2	6,600
13170555	PEACE DALE	7.2	Solar	Inverter	3/14/2012	A-16	7,920
12381648	L COMPTON	7.5	Solar	Inverter	3/16/2012	C-06	8,250
13168708	PRUDENCE ISL	3	Solar	Inverter	3/16/2012	C-02	3,300
13169065	NARRAGANSETT	10	Solar	Inverter	3/30/2012	G-2	11,000
13168803	NORTH KINGSTOWN	20	Solar	Inverter	4/2/2012	G-2	22,000
12729266	WOOD RIVER JT	6	solar	Inverter	5/1/2012	A-16	6,600
12808914	PAWTUCKET	23	Solar	Inverter	5/10/2012	G-2	25,300
13433977	BRISTOL	50	Wind	(blank)	5/14/2012	C-02	120,000
13177748	JOHNSTON	6	Solar	Inverter	5/22/2012	C-06	6,600
12778215	PROVIDENCE	4.73	solar	Inverter	5/30/2012	a-16	5,203
12723949	PROVIDENCE	3	solar	Inverter	5/31/2012	A-16	3,300
12726566	PROVIDENCE	5.3	solar	Inverter	5/31/2012	A-16	5,830
12797813	PROVIDENCE	4.73	solar	Inverter	5/31/2012	c-06	5,203
13168581	JAMESTOWN	4	Solar	Inverter	6/25/2012	C-06	4,400
13168917	WESTERLY	10	Solar	Inverter	6/25/2012	C-02	11,000
12790101	PROVIDENCE	5.16	solar	Inverter	7/2/2012	a-16	5,676
12981846	PROVIDENCE	3.44	Solar	Inverter	7/2/2012	A-16	3,784
12930973	NORTH KINGSTOWN	2	solar	Inverter	7/16/2012	A-16	2,200
12741538	PROVIDENCE	3.2	solar	Inverter	7/18/2012	a-16	3,520
12700487	PROVIDENCE	1.29	solar	Inverter	7/19/2012	C-06	1,419
13262387	NARRAGANSETT	3.66	Solar	Inverter	7/20/2012	A-16	4,026
13086985	PROVIDENCE	4.73	Solar	Inverter	7/30/2012	C-06	5,203
12733869	PROVIDENCE	4.73	solar	Inverter	8/3/2012	A-60	5,203
13063715	PROVIDENCE	3.87	Solar	Inverter	8/3/2012	C-06	4,257

Facility ID	Town	Capacity (kW)	Fuel Type	DG type	Date Authority to Interconnect Sent	Rate Class	Estimated Annual Generation - kWh
12815821	PROVIDENCE	3.23	Solar	Inverter	8/8/2012	A-16	3,553
13263785	PROVIDENCE	2.37	Solar	Inverter	8/15/2012	R-1	2,607
12700157	PROVIDENCE	6.45	solar	Inverter	8/29/2012	C-06	7,095
13356318	SAUNDERSTOWN	2.37	Solar	Inverter	9/4/2012	A-16	2,607
13432975	PROVIDENCE	4.3	Solar	Inverter	9/5/2012	A-16	4,730
13407239	PROVIDENCE	3.87	Solar	Inverter	9/7/2012	A-16	4,257
12613705	PROVIDENCE	50	solar	Inverter	9/18/2012	G-62	55,000
13256165	WAKEFIELD	4.95	Solar	Inverter	9/28/2012	A-16	5,445
13609645	L COMPTON	1.72	Solar	Inverter	9/28/2012	A-16	1,892
13227471	PROVIDENCE	2	Solar	Inverter	10/5/2012	C-06	2,200
13188008	CRANSTON	21	Solar	Inverter	10/10/2012	R-1	23,100
13755485	CHARLESTOWN	7	Solar	Inverter	11/16/2012	A-16	7,700
13679422	JAMESTOWN	1.29	Solar	Inverter	11/20/2012	A-16	1,419
13868654	BARRINGTON	3.87	Solar	Inverter	11/26/2012	A-16	4,257
13301833	NORTH SMITHFIELD	5.3	Solar	Inverter	11/30/2012	A-16	5,830
13854152	WESTERLY	5	Solar	Inverter	12/5/2012	A-16	5,500
12762756	CRANSTON	3.65	Solar	Inverter	12/20/2012	A-16	4,015
12282568	BRADFORD	10.3	Solar	Inverter	12/21/2012	G-32	11,330
13605369	CUMBERLAND	0.43	Solar	Inverter	2/6/2013	C-06	473
13605566	PROVIDENCE	0.43	Solar	Inverter	2/6/2013	C-06	473
13911749	PROVIDENCE	1.44	Solar	Inverter	2/6/2013	A-16	1,584
13933429	JAMESTOWN	4	Solar	Inverter	2/22/2013	A-16	4,400
14588725	EAST GREENWICH	1.51	Solar	Inverter	3/26/2013	A-16	1,661
14469194	SAUNDERSTOWN	3.01	Solar	Inverter	3/27/2013	A-16	3,311
14726048	EAST GREENWICH	4	Solar	Inverter	5/3/2013	A-16	4,400
14276764	NARRAGANSETT	2.8	Solar	Inverter	6/14/2013	A-16	3,080
14847417	NARRAGANSETT	4	Solar	Inverter	6/14/2013	A-16	4,400
14278306	PROVIDENCE	0.86	Solar	Inverter	6/26/2013	A-16	946
14276819	L COMPTON	3.01	Solar	Inverter	7/10/2013	A-16	3,311
14726475	NEWPORT	2.15	Solar	Inverter	7/10/2013	A-16	2,365
14601977	CRANSTON	4.95	Solar	Inverter	7/17/2013	A-16	5,445
14601995	NORTH SCITUATE	5.16	Solar	Inverter	7/19/2013	A-16	5,676
14589949	BRISTOL	28	Solar	Inverter	7/31/2013	g-02	30,800
14790269	NORTH KINGSTOWN	23	Solar	Inverter	8/2/2013	g-02	25,300
14601876	FOSTER	2.15	Solar	Inverter	8/8/2013	A-16	2,365
14276693	MIDDLETOWN	0.86	Solar	Inverter	8/9/2013	A-16	946
14780864	NEWPORT	2	Solar	Inverter	8/9/2013	A-16	2,200
14761875	MIDDLETOWN	3.66	Solar	Inverter	8/9/2013	A-16	4,026
14855860	PAWTUCKET	14	Solar	Inverter	8/9/2013	G-32	15,400
13220170	PROVIDENCE	300	Solar	Inverter	8/14/2013	G-32	330,000
13425175	MIDDLETOWN	20	Solar	Inverter	8/16/2013	a-16	22,000
14767040	PROVIDENCE	4	Solar	Inverter	8/16/2013	A-16	4,400
15481450	JOHNSTON	10	Solar	Inverter	8/20/2013	c-06	11,000
14735613	PROVIDENCE	5	Solar	Inverter	8/22/2013	A-16	5,500
15476331	PORTSMOUTH	2.5	Solar	Inverter	8/22/2013	A-16	2,750
15212872	JAMESTOWN	4.3	Solar	Inverter	8/27/2013	A-16	4,730
15280721	CHEPACHET	6.02	Solar	Inverter	9/4/2013	a-16	6,622
15378490	NEWPORT	2.15	Solar	Inverter	9/4/2013	A-16	2,365
15358807	CHARLESTOWN	5.16	Solar	Inverter	9/4/2013	A-16	5,676

Facility ID	Town	Capacity (kW)	Fuel Type	DG type	Date Authority to Interconnect Sent	Rate Class	Estimated Annual Generation - kWh
14726436	PEACE DALE	2.8	Solar	Inverter	9/6/2013	A-16	3,080
14753836	EXETER	5.16	Solar	Inverter	9/19/2013	A-16	5,676
15187880	SAUNDERSTOWN	5.16	Solar	Inverter	9/19/2013	A-16	5,676
15289861	TIVERTON	4.3	Solar	Inverter	9/19/2013	A-16	4,730
14874919	JAMESTOWN	3.01	Solar	Inverter	9/26/2013	A-16	3,311
15075211	CRANSTON	5.16	Solar	Inverter	10/3/2013	A-16	5,676
15128281	WESTERLY	7.96	Solar	Inverter	10/3/2013	a-16	8,756
15211271	NORTH SCITUATE	5.1	Solar	Inverter	10/3/2013	A-16	5,610
15660811	SAUNDERSTOWN	2.58	Solar	Inverter	10/3/2013	A-16	2,838
15140057	WARREN	3.66	Solar	Inverter	10/16/2013	a-16	4,026
15441523	CHARLESTOWN	6.45	Solar	Inverter	10/16/2013	a-16	7,095
15551310	JOHNSTON	4.09	Solar	Inverter	10/16/2013	A-16	4,499
15135359	TIVERTON	7.74	Solar	Inverter	10/17/2013	a-16	8,514
15150360	PORTSMOUTH	2.15	Solar	Inverter	10/18/2013	A-16	2,365
14800225	CRANSTON	12.96	Solar	Inverter	10/21/2013	a-16	14,256
15886590	JAMESTOWN	1.29	Solar	Inverter	10/23/2013	A-16	1,419
15877444	PORTSMOUTH	3.66	Solar	Inverter	10/23/2013	A-16	4,026
15960523	HOPE	3.87	Solar	Inverter	10/29/2013	C-06	4,257
15613973	WARWICK	3.6	Solar	Inverter	11/6/2013	A-16	3,960
15912539	SAUNDERSTOWN	5.81	Solar	Inverter	11/15/2013	A-16	6,391
16020398	PAWTUCKET	5.16	Solar	Inverter	11/18/2013	A-16	5,676
14913107	MIDDLETOWN	2.8	Solar	Inverter	11/26/2013	A-16	3,080
15600663	PROVIDENCE	3.01	Solar	Inverter	11/26/2013	A-16	3,311
15950635	NEWPORT	5.16	Solar	Inverter	11/26/2013	C-06	5,676
15960570	WARWICK	3.23	Solar	Inverter	11/26/2013	A-16	3,553
16032506	TIVERTON	7.96	Solar	Inverter	11/26/2013	A-16	8,756
14761967	NORTH SMITHFIELD	7.74	Solar	Inverter	12/18/2013	A-16	8,514
15960546	EAST GREENWICH	5.81	Solar	Inverter	12/19/2013	A-16	6,391
16004074	EXETER	7.96	Solar	Inverter	12/19/2013	A-16	8,756
16020662	MIDDLETOWN	4.3	Solar	Inverter	12/19/2013	A-16	4,730
13105351	RUMFORD	45.6	Solar	Inverter	12/20/2013	c-06	50,160
13252180	PAWTUCKET	1.64	solar	Inverter	8/9/2009	A-16	1,804
12440329	WARWICK	19.5	solar	Inverter	6/13/2011	C-06	21,450
RI-000199	North Kingstown	405	Solar	Inverter	9/9/2011	B-62	445,500
13339553	PORTSMOUTH	225	Wind	Inverter	3/20/2012	G-2	540,000
13511760	TIVERTON	275	Wind	Inverter	6/5/2012	C-06	660,000
12364353	EXETER	15.3	solar	Inverter	6/19/2012	C-06	16,830
13115934	PROVIDENCE	4500	Wind	Inverter	10/16/2012	G-32	10,800,000
12252717	NARRAGANSETT	10	Wind	Inverter	12/4/2012	G-2	24,000
15779010	NORTH SCITUATE	10.75	Solar	Inverter	1/10/2014	A-16	11,825
15660814	JAMESTOWN	7.65	Solar	Inverter	1/14/2014	A-16	8,415
16119917	JAMESTOWN	5	Solar	Inverter	1/14/2014	A-16	5,500
16281029	BARRINGTON	3.44	Solar	Inverter	1/14/2014	A-16	3,784
15680716	JAMESTOWN	6.45	Solar	Inverter	1/17/2014	A-16	7,095
15987219	PROVIDENCE	3.44	Solar	Inverter	1/28/2014	A-16	3,784
15551662	PROVIDENCE	3.44	Solar	Inverter	1/28/2014	A-16	3,784
15650232	PROVIDENCE	3.87	Solar	Inverter	1/28/2014	A-16	4,257
16049358	PROVIDENCE	4.3	Solar	Inverter	1/28/2014	A-16	4,730
16052781	PROVIDENCE	3.01	Solar	Inverter	1/28/2014	A-16	3,311
16240969	PROVIDENCE	3.87	Solar	Inverter	1/28/2014	A-16	4,257
14797804	FOSTER	8	Solar	Inverter	1/29/2014	A-16	8,800
16020824	WARREN	1.29	Solar	Inverter	2/3/2014	A-16	1,419

Facility ID	Town	Capacity (kW)	Fuel Type	DG type	Date Authority to Interconnect Sent	Rate Class	Estimated Annual Generation - kWh
15862797	L COMPTON	4	Solar	Inverter	2/11/2014	A-16	4,400
16315480	WAKEFIELD	6	Solar	Inverter	2/11/2014	A-16	6,600
15700681	JAMESTOWN	2.58	Solar	Inverter	3/5/2014	A-16	2,838
16538805	WESTERLY	5	Solar	Inverter	4/11/2014	A-16	5,500
16714328	CHEPACHET	2.58	Solar	Inverter	4/17/2014	A-16	2,838
16863933	WEST WARWICK	0.43	Solar	Inverter	5/1/2014	A-16	473
14882524	JAMESTOWN	3.44	Solar	Inverter	5/8/2014	A-16	3,784
16659042	JAMESTOWN	5	Solar	Inverter	5/14/2014	A-16	5,500
15672019	PAWTUCKET	24	Solar	Inverter	5/22/2014	g-02	26,400
13177831	WARREN	0.57	Solar	Inverter	5/23/2014	A-16	627
16849037	WAKEFIELD	7.75	Solar	Inverter	6/2/2014	A-16	8,525
15672618	PAWTUCKET	24	Solar	Inverter	6/5/2014	g-62	26,400
17071966	TIVERTON	6	Solar	Inverter	6/16/2014	A-16	6,600
16658943	JOHNSTON	7.5	Solar	Inverter	6/17/2014	A-16	8,250
16714678	L COMPTON	11	Solar	Inverter	6/17/2014	a-16	12,100
16811848	EAST GREENWICH	7.5	Solar	Inverter	6/28/2014	A-16	8,250
16837237	WARWICK	5.16	Solar	Inverter	7/1/2014	A-16	5,676
16922760	WESTERLY	6.45	Solar	Inverter	7/1/2014	A-16	7,095
16789421	PORTSMOUTH	5	Solar	Inverter	7/2/2014	A-16	5,500
16923859	EXETER	14.19	Solar	Inverter	7/7/2014	a-16	15,609
17192714	CHARLESTOWN	3.22	Solar	Inverter	7/14/2014	A-16	3,542
15430757	WAKEFIELD	3	Solar	Inverter	7/16/2014	A-16	3,300
16796924	PORTSMOUTH	4	Solar	Inverter	7/23/2014	A-16	4,400
16841395	WESTERLY	6.25	Solar	Inverter	7/23/2014	A-16	6,875
17099078	PAWTUCKET	3	Solar	Inverter	8/4/2014	A-16	3,300
16617414	MIDDLETOWN	60	Solar	Inverter	8/18/2014	c-06	66,000
16837718	PROVIDENCE	3.87	Solar	Inverter	8/21/2014	A-16	4,257
16841481	RUMFORD	5.25	Solar	Inverter	8/21/2014	A-16	5,775
16922768	PAWTUCKET	2.5	Solar	Inverter	8/21/2014	A-16	2,750
16847839	PROVIDENCE	2.75	Solar	Inverter	8/27/2014	A-16	3,025
17470091	PROVIDENCE	3.75	Solar	Inverter	8/27/2014	A-16	4,125
17584869	WEST KINGSTON	4	Solar	Inverter	8/27/2014	A-16	4,400
16611202	EAST PROVIDENCE	75	Solar	Inverter	9/3/2014	C-06	82,500
16979864	WAKEFIELD	7.09	Solar	Inverter	9/5/2014	A-16	7,799
16999144	PROVIDENCE	3.5	Solar	Inverter	9/5/2014	A-16	3,850
17490946	BARRINGTON	3.25	Solar	Inverter	9/5/2014	A-16	3,575
17584887	WEST KINGSTON	9	Solar	Inverter	9/5/2014	A-16	9,900
16631931	WARWICK	30	Solar	Inverter	9/9/2014	g-02	33,000
17447224	LINCOLN	3.44	Solar	Inverter	9/26/2014	A-16	3,784
17769192	PROVIDENCE	2.5	Solar	Inverter	9/26/2014	A-16	2,750
17449362	HOPE	7.6	Solar	Inverter	9/29/2014	A-16	8,360
16788456	PROVIDENCE	5.5	Solar	Inverter	9/30/2014	A-16	6,050
17665432	NORTH KINGSTOWN	2.5	Solar	Inverter	10/1/2014	A-16	2,750
17665342	MIDDLETOWN	4	Solar	Inverter	10/2/2014	A-16	4,400
17665302	CRANSTON	3	Solar	Inverter	10/7/2014	A-16	3,300
17732018	NEWPORT	3	Solar	Inverter	10/7/2014	A-16	3,300
17723937	PORTSMOUTH	7.6	Solar	Inverter	10/10/2014	A-16	8,360
17471891	GREENVILLE	3.87	Solar	Inverter	10/14/2014	A-16	4,257
17711343	NARRAGANSETT	5	Solar	Inverter	10/17/2014	A-16	5,500
17457905	JAMESTOWN	7	Solar	Inverter	10/23/2014	A-16	7,700
17891429	EXETER	2	Solar	Inverter	10/23/2014	A-16	2,200
17472411	L COMPTON	7.5	Solar	Inverter	10/28/2014	A-16	8,250
15862938	JAMESTOWN	8.16	Solar	Inverter	10/29/2014	A-16	8,976
17413565	RIVERSIDE	3.5	Solar	Inverter	10/29/2014	A-16	3,850
17732094	JAMESTOWN	2.75	Solar	Inverter	10/29/2014	A-16	3,025
17678400	JAMESTOWN	11	Solar	Inverter	10/30/2014	a-16	12,100

Facility ID	Town	Capacity (kW)	Fuel Type	DG type	Date Authority to Interconnect Sent	Rate Class	Estimated Annual Generation - kWh
17743200	NARRAGANSETT	3	Solar	Inverter	10/30/2014	A-16	3,300
17473331	FOSTER	4.5	Solar	Inverter	11/4/2014	A-16	4,950
17775953	PORTSMOUTH	9.25	Solar	Inverter	11/6/2014	A-16	10,175
17722478	EAST GREENWICH	2.75	Solar	Inverter	11/7/2014	A-16	3,025
18154533	WOOD RIVER JT	3.5	Solar	Inverter	11/10/2014	A-16	3,850
17281317	NORTH KINGSTOWN	9	Solar	Inverter	11/13/2014	C-06	9,900
17513659	CUMBERLAND	4.5	Solar	Inverter	11/14/2014	A-16	4,950
17472940	LINCOLN	5.5	Solar	Inverter	11/17/2014	A-16	6,050
17372548	WEST KINGSTON	10	Solar	Inverter	11/19/2014	A-16	11,000
17743158	JAMESTOWN	4	Solar	Inverter	11/19/2014	A-16	4,400
17732079	WESTERLY	7.25	Solar	Inverter	11/21/2014	A-16	7,975
17832890	JOHNSTON	5	Solar	Inverter	11/24/2014	A-16	5,500
17354436	CUMBERLAND	4.5	Solar	Inverter	11/25/2014	A-16	4,950
17833152	LINCOLN	5	Solar	Inverter	11/26/2014	A-16	5,500
17504085	L COMPTON	5	Solar	Inverter	12/1/2014	A-16	5,500
17473280	BRISTOL	6.5	Solar	Inverter	12/10/2014	A-16	7,150
15049726	WAKEFIELD	4.3	Solar	Inverter	12/12/2014	A-16	4,730
18469711	WAKEFIELD	5	Solar	Inverter	12/16/2014	A-16	5,500
17824272	WESTERLY	10.5	Solar	Inverter	12/19/2014	A-16	11,550
17766993	WEST KINGSTON	14.25	Solar	Inverter	12/22/2014	a-16	15,675
17473990	BARRINGTON	5.5	Solar	Inverter	12/23/2014	A-60	6,050
18560388	MIDDLETOWN	2.75	Solar	Inverter	12/29/2014	A-16	3,025
16960369	NEWPORT	3	Solar	Inverter	12/30/2014	A-16	3,300
18416675	PEACE DALE	6	Solar	Inverter	12/30/2014	A-16	6,600
13276481	WAKEFIELD	3	Solar	Inverter	3/24/2010	A-16	3,300
13169627	COVENTRY	100	Solar	Inverter	2/27/2012	G-2	110,000
13213633	CRANSTON	500	Solar	Inverter	12/27/2013	G-2	550,000
18187567	BARRINGTON	5	Solar	Inverter	1/2/2015	A-16	5,500
17754096	CHARLESTOWN	7.6	Solar	Inverter	1/15/2015	A-16	8,360
17765231	WAKEFIELD	3	Solar	Inverter	1/15/2015	A-16	3,300
17505949	WARREN	8	Solar	Inverter	1/16/2015	A-16	8,800
18366203	NORTH SMITHFIELD	8.5	Solar	Inverter	1/16/2015	A-16	9,350
18584634	L COMPTON	2.75	Solar	Inverter	1/28/2015	A-16	3,025
17283959	NORTH SMITHFIELD	185.6	Solar	Inverter	1/30/2015	g-02	204,160
18772378	BURRILLVILLE	45	Solar	Inverter	2/3/2015	G-32	49,500
17722568	WOONSOCKET	9.46	Solar	Inverter	2/5/2015	G-02	10,406
18584954	MIDDLETOWN	5	Solar	Inverter	2/5/2015	A-16	5,500
18584847	NORTH KINGSTOWN	12.5	Solar	Inverter	2/9/2015	A-16	13,750
17987568	COVENTRY	5	Solar	Inverter	2/12/2015	A-16	5,500
18347914	WARREN	7.75	Solar	Inverter	2/13/2015	A-16	8,525
18780202	L COMPTON	4	Solar	Inverter	2/19/2015	A-16	4,400
18754877	HOPKINTON	9	Solar	Inverter	2/26/2015	A-16	9,900
18361129	TIVERTON	10	Solar	Inverter	3/3/2015	A-16	11,000
18619648	NORTH KINGSTOWN	4.5	Solar	Inverter	3/5/2015	A-16	4,950
18781609	CRANSTON	1	Solar	Inverter	3/16/2015	A-16	1,100
16973223	PROVIDENCE	75	Solar	Inverter	3/16/2015	g-32	82,500
18660843	CUMBERLAND	4.75	Solar	Inverter	3/18/2015	A-16	5,225
16972525	PROVIDENCE	42	Solar	Inverter	3/20/2015	g-02	46,200
18989989	NORTH KINGSTOWN	3	Solar	Inverter	3/25/2015	A-16	3,300
18990314	NORTH KINGSTOWN	1.5	Solar	Inverter	3/31/2015	A-16	1,650
18668838	CUMBERLAND	7.5	Solar	Inverter	4/2/2015	A-16	8,250
18348311	CRANSTON	5	Solar	Inverter	4/10/2015	A-16	5,500
18347993	MIDDLETOWN	3.5	Solar	Inverter	4/15/2015	A-16	3,850
18548205	WARREN	6	Solar	Inverter	4/15/2015	A-16	6,600
18680155	MIDDLETOWN	4	Solar	Inverter	4/16/2015	A-16	4,400
18722171	MIDDLETOWN	7	Solar	Inverter	4/16/2015	A-16	7,700

Facility ID	Town	Capacity (kW)	Fuel Type	DG type	Date Authority to Interconnect Sent	Rate Class	Estimated Annual Generation - kWh
18876691	CUMBERLAND	3.8	Solar	Inverter	4/16/2015	A-16	4,180
18660887	JOHNSTON	3.25	Solar	Inverter	4/17/2015	A-16	3,575
19228110	PORTSMOUTH	7.5	Solar	Inverter	4/20/2015	A-16	8,250
18451747	LINCOLN	4.5	Solar	Inverter	4/21/2015	A-16	4,950
18680191	MIDDLETOWN	10.25	Solar	Inverter	4/24/2015	A-16	11,275
18366178	WEST GREENWICH	4.2	Solar	Inverter	4/30/2015	A-16	4,620
18960165	BURRILLVILLE	4.5	Solar	Inverter	4/30/2015	A-16	4,950
18603480	PROVIDENCE	15	Solar	Inverter	5/4/2015	C-06	16,500
19071415	PROVIDENCE	6	Solar	Inverter	5/6/2015	C-06	6,600
16969653	BARRINGTON	9.5	Solar	Inverter	5/7/2015	A-16	10,450
17344217	NORTH KINGSTOWN	10	Solar	Inverter	5/7/2015	C-06	11,000
17471782	CHARLESTOWN	4.73	Solar	Inverter	5/7/2015	A-16	5,203
18721804	GREENE	8.75	Solar	Inverter	5/7/2015	A-16	9,625
18348135	SAUNDERSTOWN	6	Solar	Inverter	5/13/2015	A-16	6,600
18348273	BARRINGTON	7	Solar	Inverter	5/14/2015	A-16	7,700
18721737	CRANSTON	4.5	Solar	Inverter	5/15/2015	A-16	4,950
19307110	TIVERTON	6	Solar	Inverter	5/18/2015	A-16	6,600
18936614	CUMBERLAND	5	Solar	Inverter	5/19/2015	A-16	5,500
18678756	EXETER	5	Solar	Inverter	5/21/2015	A-16	5,500
18348048	CRANSTON	2.75	Solar	Inverter	5/22/2015	A-16	3,025
19173522	L COMPTON	3	Solar	Inverter	5/26/2015	A-16	3,300
19404974	SAUNDERSTOWN	5.75	Solar	Inverter	5/26/2015	A-16	6,325
18777358	JAMESTOWN	1.25	Solar	Inverter	5/29/2015	A-16	1,375
18856922	SLATERSVILLE	3.25	Solar	Inverter	6/1/2015	A-16	3,575
18365562	WYOMING	14.25	Solar	Inverter	6/3/2015	A-16	15,675
19404643	WESTERLY	4	Solar	Inverter	6/3/2015	A-16	4,400
19017395	BRADFORD	3.8	Solar	Inverter	6/4/2015	A-16	4,180
19473860	NEWPORT	9	Solar	Inverter	6/4/2015	A-16	9,900
18875605	PROVIDENCE	5	Solar	Inverter	6/5/2015	A-16	5,500
18494358	WEST WARWICK	6.75	Solar	Inverter	6/8/2015	A-16	7,425
18619674	WEST GREENWICH	9.75	Solar	Inverter	6/8/2015	C-06	10,725
19382570	TIVERTON	7.6	Solar	Inverter	6/8/2015	A-16	8,360
19450143	JAMESTOWN	5.5	Solar	Inverter	6/8/2015	A-16	6,050
19550488	TIVERTON	5	Solar	Inverter	6/8/2015	C-06	5,500
18371575	EAST GREENWICH	7	Solar	Inverter	6/10/2015	A-16	7,700
18533188	CUMBERLAND	4.5	Solar	Inverter	6/11/2015	A-16	4,950
18534436	NORTH SMITHFIELD	5.5	Solar	Inverter	6/11/2015	A-16	6,050
18559630	NORTH SMITHFIELD	4	Solar	Inverter	6/11/2015	A-16	4,400
18721787	HOPE	7.75	Solar	Inverter	6/11/2015	A-16	8,525
19229414	BARRINGTON	1.29	Solar	Inverter	6/12/2015	A-16	1,419
18433083	WEST KINGSTON	7.5	Solar	Inverter	6/15/2015	A-16	8,250
19484417	WARREN	4.5	Solar	Inverter	6/22/2015	A-16	4,950
18409571	LINCOLN	3.75	Solar	Inverter	6/24/2015	A-16	4,125
19677859	TIVERTON	6	Solar	Inverter	6/25/2015	A-16	6,600
19492787	NEWPORT	7	Solar	Inverter	6/25/2015	A-16	7,700
18428533	WESTERLY	4.5	Solar	Inverter	6/26/2015	A-16	4,950
19600029	CHARLESTOWN	5.72	Solar	Inverter	6/26/2015	A-16	6,292
18951406	L COMPTON	2	Solar	Inverter	6/29/2015	A-16	2,200
15613020	NEWPORT	17.28	Solar	Inverter	6/29/2015	c-06	19,008
19677883	TIVERTON	4.25	Solar	Inverter	6/29/2015	A-16	4,675
19458908	TIVERTON	10	Solar	Inverter	6/29/2015	A-16	11,000
19495506	NARRAGANSETT	4.75	Solar	Inverter	6/29/2015	A-16	5,225
19505363	NEWPORT	6.5	Solar	Inverter	6/29/2015	A-16	7,150
18432757	WARWICK	5.5	Solar	Inverter	6/30/2015	A-16	6,050
18348360	HOPE VALLEY	5.5	Solar	Inverter	7/6/2015	A-16	6,050
18518316	WEST WARWICK	6.25	Solar	Inverter	7/6/2015	A-16	6,875

Facility ID	Town	Capacity (kW)	Fuel Type	DG type	Date Authority to Interconnect Sent	Rate Class	Estimated Annual Generation - kWh
19649090	WESTERLY	10	Solar	Inverter	7/6/2015	C-06	11,000
18360524	NORTH KINGSTOWN	5	Solar	Inverter	7/8/2015	A-16	5,500
18646452	WARREN	2.5	Solar	Inverter	7/10/2015	A-16	2,750
18348181	RIVERSIDE	6.5	Solar	Inverter	7/13/2015	A-16	7,150
18631712	PROVIDENCE	2.25	Solar	Inverter	7/13/2015	A-16	2,475
18781524	L COMPTON	6.25	Solar	Inverter	7/13/2015	A-16	6,875
18401763	WEST GREENWICH	8	Solar	Inverter	7/15/2015	A-16	8,800
18450500	WEST GREENWICH	10	Solar	Inverter	7/15/2015	A-16	11,000
18990014	NORTH SMITHFIELD	9.5	Solar	Inverter	7/15/2015	A-16	10,450
19018208	NORTH SMITHFIELD	8.25	Solar	Inverter	7/15/2015	A-16	9,075
19129111	NORTH SMITHFIELD	5.75	Solar	Inverter	7/15/2015	A-16	6,325
19450184	MIDDLETOWN	6.5	Solar	Inverter	7/16/2015	A-16	7,150
18458148	NORTH SMITHFIELD	10	Solar	Inverter	7/20/2015	A-16	11,000
19228079	L COMPTON	8.8	Solar	Inverter	7/20/2015	A-16	9,680
19450061	WESTERLY	2.5	Solar	Inverter	7/21/2015	A-16	2,750
18428559	WARWICK	3.5	Solar	Inverter	7/22/2015	A-16	3,850
19677923	TIVERTON	3.8	Solar	Inverter	7/22/2015	A-16	4,180
19495476	EAST GREENWICH	7.5	Solar	Inverter	7/23/2015	A-16	8,250
19372732	LINCOLN	7.6	Solar	Inverter	7/24/2015	A-16	8,360
19373127	WARREN	5	Solar	Inverter	7/24/2015	A-16	5,500
16632724	PROVIDENCE	56	Solar	Inverter	7/27/2015	c-06	61,600
19633166	L COMPTON	10	Solar	Inverter	7/28/2015	A-16	11,000
18359843	CHARLESTOWN	8.5	Solar	Inverter	7/29/2015	A-16	9,350
19416589	L COMPTON	7.6	Solar	Inverter	7/29/2015	A-16	8,360
19471818	L COMPTON	10	Solar	Inverter	7/29/2015	A-16	11,000
18494462	FORESTDALE	5.75	Solar	Inverter	7/30/2015	A-16	6,325
19009614	NORTH SMITHFIELD	3.25	Solar	Inverter	7/30/2015	A-16	3,575
19025410	CHEPACHET	6.5	Solar	Inverter	7/30/2015	A-16	7,150
18360575	RUMFORD	6.5	Solar	Inverter	7/31/2015	A-16	7,150
19017394	FORESTDALE	6.25	Solar	Inverter	7/31/2015	A-16	6,875
18618997	WARWICK	3.5	Solar	Inverter	8/3/2015	A-16	3,850
19494530	SAUNDERSTOWN	7.6	Solar	Inverter	8/4/2015	A-16	8,360
19007050	NORTH SMITHFIELD	6	Solar	Inverter	8/10/2015	A-16	6,600
19015897	NORTH SMITHFIELD	8	Solar	Inverter	8/10/2015	A-16	8,800
19015922	NORTH SMITHFIELD	5.25	Solar	Inverter	8/10/2015	A-16	5,775
19845879	MIDDLETOWN	7.6	Solar	Inverter	8/10/2015	A-16	8,360
19845940	TIVERTON	5	Solar	Inverter	8/10/2015	A-16	5,500
19968167	WEST KINGSTON	6	Solar	Inverter	8/11/2015	A-16	6,600
18559627	BRISTOL	4	Solar	Inverter	8/12/2015	A-16	4,400
19754558	NEWPORT	4	Solar	Inverter	8/12/2015	A-16	4,400
20039678	L COMPTON	6	Solar	Inverter	8/12/2015	A-16	6,600
18458216	GREENVILLE	3.01	Solar	Inverter	8/17/2015	A-16	3,311
18981784	NORTH SMITHFIELD	3.75	Solar	Inverter	8/17/2015	A-16	4,125
19873976	L COMPTON	5	Solar	Inverter	8/19/2015	A-16	5,500
18360154	MIDDLETOWN	63	Solar	Inverter	8/20/2015	C-06	69,300
19294346	NORTH SMITHFIELD	8.25	Solar	Inverter	8/20/2015	A-16	9,075
19766078	EAST GREENWICH	9.46	Solar	Inverter	8/21/2015	A-16	10,406
19798085	CUMBERLAND	7.6	Solar	Inverter	8/24/2015	A-16	8,360
18590612	WAKEFIELD	5.5	Solar	Inverter	8/25/2015	A-16	6,050
18982248	NORTH SMITHFIELD	5	Solar	Inverter	8/27/2015	A-16	5,500
19006935	BURRILLVILLE	6.5	Solar	Inverter	8/27/2015	A-16	7,150
19024760	NORTH SMITHFIELD	5.25	Solar	Inverter	8/27/2015	A-16	5,775
19058830	NORTH SMITHFIELD	6.25	Solar	Inverter	8/27/2015	A-16	6,875
19059353	NORTH SMITHFIELD	4	Solar	Inverter	8/27/2015	A-16	4,400
20097132	TIVERTON	10	Solar	Inverter	8/27/2015	A-16	11,000
19050157	NORTH SMITHFIELD	3.75	Solar	Inverter	8/28/2015	A-16	4,125



Facility ID	Town	Capacity (kW)	Fuel Type	DG type	Date Authority to Interconnect Sent	Rate Class	Estimated Annual Generation - kWh
19294413	NORTH SMITHFIELD	5	Solar	Inverter	8/28/2015	A-16	5,500
19876998	WARWICK	5	Solar	Inverter	8/31/2015	A-16	5,500
19025450	WYOMING	3.75	Solar	Inverter	8/31/2015	A-16	4,125
19735050	JAMESTOWN	4	Solar	Inverter	9/2/2015	A-16	4,400
19798702	WAKEFIELD	3.6	Solar	Inverter	9/3/2015	A-16	3,960
19834229	WAKEFIELD	3	Solar	Inverter	9/3/2015	A-16	3,300
19876697	WOONSOCKET	6	Solar	Inverter	9/3/2015	A-16	6,600
20040455	WARWICK	5	Solar	Inverter	9/3/2015	A-16	5,500
20016844	CRANSTON	6.6	Solar	Inverter	9/4/2015	A-16	7,260
18990026	NORTH SMITHFIELD	8	Solar	Inverter	9/8/2015	A-16	8,800
19016256	NORTH PROVIDENCE	2.5	Solar	Inverter	9/10/2015	A-16	2,750
19669607	NARRAGANSETT	44.5	Solar	Inverter	9/11/2015	C-06	48,950
19755686	CUMBERLAND	7.6	Solar	Inverter	9/11/2015	A-16	8,360
19633575	L COMPTON	7.6	Solar	Inverter	9/15/2015	A-16	8,360
19057458	NORTH SMITHFIELD	7	Solar	Inverter	9/15/2015	A-16	7,700
19058690	NORTH SMITHFIELD	2	Solar	Inverter	9/15/2015	A-16	2,200
20227074	L COMPTON	3.8	Solar	Inverter	9/16/2015	A-16	4,180
20326342	EXETER	13.5	Solar	Inverter	9/16/2015	A-16	14,850
20058009	PORTSMOUTH	10.5	Solar	Inverter	9/17/2015	A-16	11,550
19691732	PROVIDENCE	44.5	Solar	Inverter	9/18/2015	G-02	48,950
20117502	NORTH PROVIDENCE	10	Solar	Inverter	9/18/2015	A-16	11,000
20237900	WAKEFIELD	9.5	Solar	Inverter	9/18/2015	A-16	10,450
19755606	WEST GREENWICH	5	Solar	Inverter	9/21/2015	A-16	5,500
20147716	EAST GREENWICH	3.44	Solar	Inverter	9/21/2015	A-16	3,784
19732992	BRISTOL	40	Solar	Inverter	9/22/2015	G-02	44,000
13276444	PROVIDENCE	5.3	Solar	Inverter	9/23/2015	A-16	5,830
18781644	NORTH SMITHFIELD	6	Solar	Inverter	9/25/2015	A-16	6,600
19721919	CRANSTON	2.75	Solar	Inverter	9/25/2015	A-16	3,025
19540419	NORTH SMITHFIELD	8.25	Solar	Inverter	9/29/2015	A-16	9,075
19058173	COVENTRY	4.5	Solar	Inverter	10/1/2015	A-16	4,950
20262081	WEST WARWICK	3.8	Solar	Inverter	10/1/2015	A-16	4,180
20068978	CRANSTON	3.8	Solar	Inverter	10/2/2015	A-16	4,180
20250758	CRANSTON	3	Solar	Inverter	10/2/2015	A-16	3,300
19735092	SAUNDERSTOWN	3	Solar	Inverter	10/5/2015	A-16	3,300
20210004	NARRAGANSETT	6	Solar	Inverter	10/6/2015	A-16	6,600
19552187	WESTERLY	3	Solar	Inverter	10/7/2015	A-16	3,300
19058050	NORTH SMITHFIELD	4.5	Solar	Inverter	10/8/2015	A-16	4,950
19058488	SMITHFIELD	7.25	Solar	Inverter	10/8/2015	A-60	7,975
18936275	NORTH SMITHFIELD	4.75	Solar	Inverter	10/9/2015	A-16	5,225
17473158	PROVIDENCE	5.25	Solar	Inverter	10/9/2015	A-16	5,775
19633610	L COMPTON	10	Solar	Inverter	10/9/2015	A-16	11,000
19510213	CUMBERLAND	13.6	Solar	Inverter	10/9/2015	A-16	14,960
19025458	NORTH SMITHFIELD	5.5	Solar	Inverter	10/12/2015	A-16	6,050
19701843	WEST WARWICK	3	Solar	Inverter	10/14/2015	A-16	3,300
20091034	JOHNSTON	3.8	Solar	Inverter	10/14/2015	A-16	4,180
20366392	CRANSTON	5	Solar	Inverter	10/14/2015	A-16	5,500
20377708	WARWICK	3.8	Solar	Inverter	10/14/2015	A-16	4,180
17525613	PROVIDENCE	2	Solar	Inverter	10/15/2015	A-16	2,200
19017387	BURRILLVILLE	9.25	Solar	Inverter	10/15/2015	A-16	10,175
19058552	NORTH SMITHFIELD	4.75	Solar	Inverter	10/15/2015	A-16	5,225
20126748	WARWICK	5	Solar	Inverter	10/15/2015	A-16	5,500
20322583	COVENTRY	3.8	Solar	Inverter	10/15/2015	A-16	4,180
20305154	TIVERTON	10	Solar	Inverter	10/16/2015	a-16	11,000
20421460	L COMPTON	7.6	Solar	Inverter	10/19/2015	A-16	8,360
19699695	L COMPTON	7.31	Solar	Inverter	10/20/2015	A-16	8,041
20100637	CUMBERLAND	3.8	Solar	Inverter	10/20/2015	A-16	4,180

Facility ID	Town	Capacity (kW)	Fuel Type	DG type	Date Authority to Interconnect Sent	Rate Class	Estimated Annual Generation - kWh
20126958	KINGSTON	3.8	Solar	Inverter	10/20/2015	A-16	4,180
20411553	CRANSTON	3.8	Solar	Inverter	10/20/2015	A-16	4,180
19687957	CENTRAL FALLS	0.43	Solar	Inverter	10/21/2015	C-06	473
19735006	BRISTOL	6.75	Solar	Inverter	10/21/2015	A-16	7,425
19024489	NORTH SMITHFIELD	8.5	Solar	Inverter	10/21/2015	A-16	9,350
19025440	WYOMING	5.5	Solar	Inverter	10/21/2015	A-16	6,050
19552116	SLATERSVILLE	8	Solar	Inverter	10/21/2015	A-16	8,800
20126613	JOHNSTON	3	Solar	Inverter	10/21/2015	A-16	3,300
20240441	TIVERTON	11.4	Solar	Inverter	10/21/2015	A-16	12,540
20377730	JOHNSTON	5	Solar	Inverter	10/26/2015	A-16	5,500
20366384	COVENTRY	3.8	Solar	Inverter	10/27/2015	A-16	4,180
20196659	HOPE VALLEY	5	Solar	Inverter	10/27/2015	C-06	5,500
18365951	LINCOLN	20	Solar	Inverter	10/28/2015	A-16	22,000
19734966	WAKEFIELD	8	Solar	Inverter	10/28/2015	A-16	8,800
19815323	MIDDLETOWN	18	Solar	Inverter	10/28/2015	C-06	19,800
20175142	L COMPTON	10	Solar	Inverter	10/28/2015	A-16	11,000
20226455	TIVERTON	10	Solar	Inverter	10/28/2015	A-16	11,000
20465710	CRANSTON	6	Solar	Inverter	10/28/2015	a-16	6,600
20489147	COVENTRY	7.6	Solar	Inverter	10/28/2015	A-16	8,360
19633116	ADAMSVILLE	7.6	Solar	Inverter	10/29/2015	A-16	8,360
20305201	TIVERTON	10	Solar	Inverter	10/29/2015	a-16	11,000
20434507	NARRAGANSETT	4.5	Solar	Inverter	10/29/2015	A-16	4,950
19614759	WESTERLY	36	Solar	Inverter	10/29/2015	C-06	39,600
19614990	WESTERLY	40	Solar	Inverter	10/29/2015	C-06	44,000
20086151	L COMPTON	5	Solar	Inverter	10/30/2015	A-16	5,500
20240835	TIVERTON	11.4	Solar	Inverter	10/30/2015	A-16	12,540
20602170	TIVERTON	10	Solar	Inverter	10/30/2015	a-16	11,000
19458228	NEWPORT	9	Solar	Inverter	10/30/2015	G-2	9,900
20465454	JOHNSTON	6	Solar	Inverter	11/2/2015	a-16	6,600
20602202	TIVERTON	10	Solar	Inverter	11/2/2015	a-16	11,000
19745199	NORTH SMITHFIELD	8.5	Solar	Inverter	11/3/2015	A-16	9,350
19867641	TIVERTON	11.4	Solar	Inverter	11/3/2015	A-16	12,540
19057753	NORTH SMITHFIELD	6.5	Solar	Inverter	11/3/2015	A-16	7,150
20333766	WARWICK	5	Solar	Inverter	11/3/2015	A-16	5,500
19307166	NORTH SMITHFIELD	7.5	Solar	Inverter	11/4/2015	A-16	8,250
20250875	COVENTRY	3.8	Solar	Inverter	11/4/2015	A-16	4,180
20465522	CUMBERLAND	3	Solar	Inverter	11/4/2015	a-16	3,300
20560406	TIVERTON	3	Solar	Inverter	11/5/2015	A-16	3,300
19294323	NORTH SMITHFIELD	8.25	Solar	Inverter	11/5/2015	A-16	9,075
19306434	NORTH SMITHFIELD	3.25	Solar	Inverter	11/5/2015	A-16	3,575
20037055	WAKEFIELD	9	Solar	Inverter	11/5/2015	A-16	9,900
20210073	WOONSOCKET	3.8	Solar	Inverter	11/6/2015	A-16	4,180
20573975	COVENTRY	3.8	Solar	Inverter	11/7/2015	a-16	4,180
20632409	BRISTOL	8.25	Solar	Inverter	11/7/2015	A-16	9,075
19550814	NORTH SMITHFIELD	11.5	Solar	Inverter	11/10/2015	A-16	12,650
17453649	WEST WARWICK	26	Solar	Inverter	11/16/2015	c-06	28,600
19735150	SAUNDERSTOWN	7.6	Solar	Inverter	11/16/2015	A-16	8,360
20560148	L COMPTON	3.8	Solar	Inverter	11/16/2015	A-16	4,180
20408022	NARRAGANSETT	3.8	Solar	Inverter	11/16/2015	a-16	4,180
20600107	L COMPTON	6	Solar	Inverter	11/16/2015	a-16	6,600
20276992	BRISTOL	10	Solar	Inverter	11/17/2015	A-16	11,000
20488999	CUMBERLAND	5	Solar	Inverter	11/17/2015	A-16	5,500
20582343	JOHNSTON	5	Solar	Inverter	11/18/2015	A-16	5,500
20709224	GREENVILLE	7.5	Solar	Inverter	11/18/2015	a-16	8,250
19755632	WAKEFIELD	6	Solar	Inverter	11/19/2015	A-16	6,600
20250581	WEST WARWICK	6	Solar	Inverter	11/19/2015	A-16	6,600

Facility ID	Town	Capacity (kW)	Fuel Type	DG type	Date Authority to Interconnect Sent	Rate Class	Estimated Annual Generation - kWh
20110557	GLOCESTER	4.3	Solar	Inverter	11/20/2015	A-16	4,730
19911662	L COMPTON	10	Solar	Inverter	11/23/2015	A-16	11,000
19937319	L COMPTON	10	Solar	Inverter	11/23/2015	A-16	11,000
19058276	WAKEFIELD	5	Solar	Inverter	11/23/2015	A-16	5,500
19551784	BARRINGTON	7.5	Solar	Inverter	11/23/2015	A-16	8,250
20146004	WAKEFIELD	6.02	Solar	Inverter	11/23/2015	A-16	6,622
19551148	FOSTER	7.5	Solar	Inverter	11/24/2015	A-16	8,250
20554372	TIVERTON	3.8	Solar	Inverter	11/24/2015	A-16	4,180
19755704	EXETER	6	Solar	Inverter	11/25/2015	A-16	6,600
20652812	TIVERTON	7.6	Solar	Inverter	11/25/2015	A-16	8,360
20661789	MIDDLETOWN	6	Solar	Inverter	11/25/2015	A-16	6,600
20147611	CHARLESTOWN	8	Solar	Inverter	11/30/2015	A-16	8,800
19907745	L COMPTON	6	Solar	Inverter	12/2/2015	A-16	6,600
20240846	WEST WARWICK	10	Solar	Inverter	12/2/2015	a-16	11,000
20302109	L COMPTON	10	Solar	Inverter	12/2/2015	A-16	11,000
20396288	WEST WARWICK	3.8	Solar	Inverter	12/2/2015	A-16	4,180
20489074	WARWICK	5	Solar	Inverter	12/2/2015	A-16	5,500
20599936	TIVERTON	7.6	Solar	Inverter	12/2/2015	A-16	8,360
20600022	TIVERTON	6	Solar	Inverter	12/2/2015	a-16	6,600
20146787	PORTSMOUTH	9.25	Solar	Inverter	12/4/2015	A-16	10,175
20657169	GREENE	5.5	Solar	Inverter	12/4/2015	A-16	6,050
20661810	BRISTOL	6.75	Solar	Inverter	12/4/2015	A-16	7,425
19721785	PORTSMOUTH	5.5	Solar	Inverter	12/7/2015	A-16	6,050
20159636	WARREN	5	Solar	Inverter	12/8/2015	a-16	5,500
20613734	WARWICK	3	Solar	Inverter	12/8/2015	A-16	3,300
20196448	NORTH KINGSTOWN	6	Solar	Inverter	12/9/2015	A-16	6,600
20466083	WAKEFIELD	3.8	Solar	Inverter	12/9/2015	a-16	4,180
19294233	PROVIDENCE	3.5	Solar	Inverter	12/11/2015	A-16	3,850
20295335	WARWICK	3	Solar	Inverter	12/11/2015	a-16	3,300
20607932	TIVERTON	6	Solar	Inverter	12/14/2015	A-16	6,600
20858456	TIVERTON	7.6	Solar	Inverter	12/14/2015	C-06	8,360
20091015	CRANSTON	5	Solar	Inverter	12/16/2015	A-16	5,500
19294283	WARWICK	8	Solar	Inverter	12/17/2015	A-16	8,800
20322402	JAMESTOWN	5	Solar	Inverter	12/18/2015	A-16	5,500
20489046	WEST WARWICK	6	Solar	Inverter	12/18/2015	A-16	6,600
20512314	WEST WARWICK	3.8	Solar	Inverter	12/18/2015	A-16	4,180
20525336	JOHNSTON	3.8	Solar	Inverter	12/18/2015	A-16	4,180
20567880	COVENTRY	5	Solar	Inverter	12/18/2015	a-16	5,500
20587932	TIVERTON	10	Solar	Inverter	12/18/2015	A-16	11,000
20600194	COVENTRY	5	Solar	Inverter	12/18/2015	a-16	5,500
20613863	COVENTRY	3	Solar	Inverter	12/18/2015	a-16	3,300
20647957	COVENTRY	10	Solar	Inverter	12/18/2015	A-16	11,000
20688802	CRANSTON	3	Solar	Inverter	12/18/2015	a-16	3,300
20705843	CRANSTON	5	Solar	Inverter	12/18/2015	a-16	5,500
20786153	MIDDLETOWN	10	Solar	Inverter	12/18/2015	A-16	11,000
20867133	L COMPTON	5	Solar	Inverter	12/18/2015	A-16	5,500
20295289	NARRAGANSETT	3.8	Solar	Inverter	12/21/2015	a-16	4,180
20525653	WEST KINGSTON	7.6	Solar	Inverter	12/21/2015	A-16	8,360
19025186	BURRILLVILLE	4.5	Solar	Inverter	12/22/2015	A-16	4,950
20304120	COVENTRY	6	Solar	Inverter	12/22/2015	a-16	6,600
20440081	WYOMING	4.75	Solar	Inverter	12/22/2015	A-16	5,225
20513179	CRANSTON	6	Solar	Inverter	12/22/2015	A-16	6,600
20525866	CRANSTON	6	Solar	Inverter	12/22/2015	A-16	6,600
20554396	WARWICK	10	Solar	Inverter	12/22/2015	A-16	11,000
20613727	JOHNSTON	3.8	Solar	Inverter	12/22/2015	A-16	4,180
20647738	CUMBERLAND	6	Solar	Inverter	12/22/2015	A-16	6,600

Facility ID	Town	Capacity (kW)	Fuel Type	DG type	Date Authority to Interconnect Sent	Rate Class	Estimated Annual Generation - kWh
20647799	CUMBERLAND	7.6	Solar	Inverter	12/22/2015	A-16	8,360
20657093	JOHNSTON	5	Solar	Inverter	12/22/2015	A-16	5,500
20666887	JOHNSTON	3	Solar	Inverter	12/22/2015	a-16	3,300
20666994	WARWICK	5	Solar	Inverter	12/22/2015	a-16	5,500
20689245	JOHNSTON	6	Solar	Inverter	12/22/2015	A-16	6,600
20705636	COVENTRY	3.8	Solar	Inverter	12/22/2015	A-16	4,180
20705787	COVENTRY	7.6	Solar	Inverter	12/22/2015	A-16	8,360
20791715	JOHNSTON	5	Solar	Inverter	12/22/2015	A-16	5,500
20791934	CRANSTON	6	Solar	Inverter	12/22/2015	A-16	6,600
20818948	CRANSTON	6	Solar	Inverter	12/22/2015	A-16	6,600
19735822	EAST PROVIDENCE	3.8	Solar	Inverter	12/23/2015	A-16	4,180
20068889	WARWICK	5	Solar	Inverter	12/23/2015	A-16	5,500
20187139	CUMBERLAND	10	Solar	Inverter	12/23/2015	A-16	11,000
20593264	NARRAGANSETT	3.8	Solar	Inverter	12/23/2015	a-16	4,180
20647842	WARWICK	3	Solar	Inverter	12/23/2015	A-16	3,300
20557178	WESTERLY	27	Solar	Inverter	12/23/2015	C-06	29,700
20593271	COVENTRY	3	Solar	Inverter	12/23/2015	A-16	3,300
20791532	CRANSTON	10	Solar	Inverter	12/23/2015	a-16	11,000
20791927	WARWICK	5	Solar	Inverter	12/23/2015	A-16	5,500
20818921	WARWICK	3	Solar	Inverter	12/23/2015	A-16	3,300
20148654	RIVERSIDE	44	Solar	Inverter	12/24/2015	G-32	48,400
20715713	CHARLESTOWN	6	Solar	Inverter	12/24/2015	a-16	6,600
20818886	COVENTRY	6	Solar	Inverter	12/24/2015	A-16	6,600
20833045	WESTERLY	4.75	Solar	Inverter	12/24/2015	A-16	5,225
20791909	COVENTRY	5	Solar	Inverter	12/28/2015	A-16	5,500
20791639	NARRAGANSETT	3.8	Solar	Inverter	12/29/2015	a-16	4,180
20429297	RIVERSIDE	5	Solar	Inverter	12/30/2015	a-16	5,500
20494720	WOOD RIVER JT	7.6	Solar	Inverter	12/30/2015	A-16	8,360
20593600	WEEKAPPAUG	7.6	Solar	Inverter	12/30/2015	a-16	8,360
20715655	NARRAGANSETT	2.5	Solar	Inverter	12/30/2015	a-16	2,750
20791846	WAKEFIELD	6	Solar	Inverter	12/31/2015	A-16	6,600
<b>Totals</b>	<b>760</b>	<b>15,164.08</b>					<b>26,703,449</b>



**Schedule ASC-18**

**LTCRER Reconciliation and  
Calculation of Proposed LTC Factor**

Long-Term Contracting For Renewable Energy Recovery (LTCRER) Reconciliation  
For the Period January 1, 2015 through December 31, 2015  
Reconciliation and LTCRER Factor Calculation

	Beginning Over(Under) Recovery Balance (a)	Revenue (b)	Expense (c)	Adjustments (d)	Monthly Over(Under) (e)	Ending Over(Under) Recovery Balance (f)
Jan-15	\$0	(\$8,580)	(\$2,071,260)		\$2,062,680	\$2,062,680
Feb-15	\$2,062,680	(\$155,550)	(\$4,669)		(\$150,881)	\$1,911,800
Mar-15	\$1,911,800	(\$150,432)	\$2,468,860		(\$2,619,291)	(\$707,492)
Apr-15	(\$707,492)	(\$268,449)	(\$827,786)	(\$135,484)	\$423,853	(\$283,639)
May-15	(\$283,639)	(\$305,104)	\$2,719,765		(\$3,024,869)	(\$3,308,508)
Jun-15	(\$3,308,508)	(\$326,339)	\$2,648,149		(\$2,974,488)	(\$6,282,996)
Jul-15	(\$6,282,996)	\$89,127	(\$520,984)		\$610,111	(\$5,672,885)
Aug-15	(\$5,672,885)	\$858,661	\$2,605,329		(\$1,746,668)	(\$7,419,553)
Sep-15	(\$7,419,553)	\$873,476	\$1,810,359		(\$936,882)	(\$8,356,435)
Oct-15	(\$8,356,435)	\$675,375	(\$1,535,553)		\$2,210,928	(\$6,145,508)
Nov-15	(\$6,145,508)	\$611,755	\$2,043,717		(\$1,431,962)	(\$7,577,470)
Dec-15	(\$7,577,470)	\$720,711	\$2,265,878		(\$1,545,167)	(\$9,122,637)
Jan-16	(\$9,122,637)	\$408,899			\$408,899	(\$8,713,738)
		\$3,023,550	\$11,601,804	(\$135,484)	(\$8,713,738)	(\$8,713,738)
(1) Interest						(\$28,351)
(2) Ending Balance Including Interest						(\$8,742,089)
(3) Interest During Recovery Period						(\$59,223)
(4) Ending Balance Including Interest During the Recovery Period						(\$8,801,313)
(5) Forecasted kWhs for the period April 1, 2016 through March 31, 2017						7,609,060,643
(6) Unadjusted charge per kWh						\$0.00115
(7) Adjustment for Uncollectible Allowance						\$0.00001
(8) Proposed LTC Recovery Reconciliation Factor Effective April 1, 2016						\$0.00116
(9) currently effective LTC Recovery Factor						\$0.00118
(10) LTC Recovery Factor Effective April 1, 2016						\$0.00234

Column Descriptions:

- |                              |  |
|------------------------------|--|
| (a) Prior month's column (f) | (d) Page 6, Remaining Balance from Over(Under) Recovery incurred during 2013 |
| (b) Page 3, column (g)       | (e) column (b) - column (c) + column (d)                                     |
| (c) Page 4, column (i)       | (f) column (a) + column (e)  |

Line Descriptions:

- |  |  |
|--|--|
| (1) $\{[(\text{Beginning balance of } (\$0.00) + \text{Ending balance of } -\$8,713,738.19) \div 2] \times \text{average short term interest rate of } 0.6507\%$ | (5) per Company forecast   |
| (2) ending balance plus interest on line (1)   | (6) Line (4) $\div$ Line (5), truncated to 5 decimal places                          |
| (3) Page 2   | (7) Line (6) $\times$ the Uncollectible rate of 1.25%, truncated to 5 decimal places |
| (4) Line (2) + Line (3)  | (8) Line (6) + Line (7)  |
|  | (9) per LTC Recovery Factor filing, November 2015                                    |
|  | (10) Line (8) + Line (9)   |

Long-Term Contracting For Renewable Energy Recovery (LTCRER) Reconciliation  
Reconciliation and LTCRER Factor Calculation  
Calculation of Interest During Recovery Period

	<u>Beginning Balance</u> (a)	<u>Recovery</u> (b)	<u>Ending Balance</u> (c)	<u>Money Pool Rate</u> (d)	<u>Interest</u> (e)
Jan-16	(\$8,742,089)		(\$8,742,089)	0.90%	(\$6,557)
Feb-16	(\$8,748,646)		(\$8,748,646)	0.90%	(\$6,561)
Mar-16	(\$8,755,207)		(\$8,755,207)	0.90%	(\$6,566)
Apr-16	(\$8,761,774)	(\$730,148)	(\$8,031,626)	0.90%	(\$6,298)
May-16	(\$8,037,924)	(\$730,720)	(\$7,307,203)	0.90%	(\$5,754)
Jun-16	(\$7,312,958)	(\$731,296)	(\$6,581,662)	0.90%	(\$5,210)
Jul-16	(\$6,586,872)	(\$731,875)	(\$5,854,998)	0.90%	(\$4,666)
Aug-16	(\$5,859,663)	(\$732,458)	(\$5,127,205)	0.90%	(\$4,120)
Sep-16	(\$5,131,326)	(\$733,047)	(\$4,398,279)	0.90%	(\$3,574)
Oct-16	(\$4,401,853)	(\$733,642)	(\$3,668,211)	0.90%	(\$3,026)
Nov-16	(\$3,671,237)	(\$734,247)	(\$2,936,989)	0.90%	(\$2,478)
Dec-16	(\$2,939,468)	(\$734,867)	(\$2,204,601)	0.90%	(\$1,929)
Jan-17	(\$2,206,530)	(\$735,510)	(\$1,471,020)	0.90%	(\$1,379)
Feb-17	(\$1,472,399)	(\$736,199)	(\$736,199)	0.90%	(\$828)
Mar-17	(\$737,028)	(\$737,028)	\$0	0.90%	(\$276)
					<u>(\$59,223)</u>

Column Notes:

- (a) Jan-16 per Page 1, line (2). Feb-15 through Mar-16, Column (c) + Column (e) of previous month
- (b) For Apr-2016, (Column (a)) ÷ 12. For May-2016, (Column (a)) ÷ 11, etc.
- (c) Column (a) - Column (b)
- (d) Current Rate for Money Pool
- (e) (Column (a) + Column (c) ÷ 2) x (Column (d) ÷ 12)



Long-Term Contracting For Renewable Energy Recovery (LTCRER) Reconciliation  
For the Period January 1, 2015 through December 31, 2015

Revenue							
	Total Renewable Energy Distribution Charge Revenue (a)	Net Metering Revenue (b)	LTCRER Revenue (c)	LTCRER Reconciliation Revenue (d)	Net LTCRER Revenue (e)	Uncollectible Revenue (f)	Net LTCRER Revenue Adjusted for Uncollectibles (g)
(1) Jan-15	(\$8,688)	\$0	(\$8,688)	\$0	(\$8,688)	(\$109)	(\$8,580)
Feb-15	(\$157,519)	\$0	(\$157,519)	\$0	(\$157,519)	(\$1,969)	(\$155,550)
Mar-15	(\$152,336)	\$0	(\$152,336)	\$0	(\$152,336)	(\$1,904)	(\$150,432)
Apr-15	\$49,381	\$5,587	\$43,794	\$315,641	(\$271,847)	(\$3,398)	(\$268,449)
May-15	\$304,974	\$10,677	\$294,297	\$603,263	(\$308,966)	(\$3,862)	(\$305,104)
Jun-15	\$347,113	\$11,784	\$335,329	\$665,799	(\$330,470)	(\$4,131)	(\$326,339)
Jul-15	\$847,291	\$13,166	\$834,126	\$743,871	\$90,255	\$1,128	\$89,127
Aug-15	\$1,737,256	\$15,091	\$1,722,165	\$852,635	\$869,530	\$10,869	\$858,661
Sep-15	\$1,756,498	\$15,165	\$1,741,334	\$856,801	\$884,533	\$11,057	\$873,476
Oct-15	\$1,357,260	\$11,710	\$1,345,550	\$661,626	\$683,924	\$8,549	\$675,375
Nov-15	\$1,228,932	\$10,599	\$1,218,333	\$598,834	\$619,498	\$7,744	\$611,755
Dec-15	\$1,447,618	\$12,483	\$1,435,135	\$705,300	\$729,834	\$9,123	\$720,711
(2) Jan-16	\$821,072	\$7,078	\$813,994	\$399,919	\$414,075	\$5,176	\$408,899
	\$9,578,852	\$113,340	\$9,465,512	\$6,403,689	\$3,061,823	\$38,273	\$3,023,550

(1) reflects revenue associated with usage on and after January 1

(2) reflects revenue associated with usage prior to January 1

Column Descriptions:

(a) per Company revenue reports

(b) per Schedule ASC-16, Page 2, Column (b)

(c) column (a) - column (b)

(d) Page 5

(e) column (c) - column (d)

(f) column (e) x 1.25%

(g) column (e) - column (f)

Long-Term Contracting For Renewable Energy Recovery (LTCRER) Reconciliation  
For the Period January 1, 2015 through December 31, 2015

Expense Summary

	Total Contract Cost (a)	Capacity Revenue Received (b)	Contract Cost Less Capacity Revenue (c)	Energy Market Proceeds (d)	REC Proceeds (e)	Above(Below) Market Cost (f)	Other Charges & (Credits) (g)	Remuneration (h)	Total Costs (i)
Jan-15	\$2,999,945	\$90,922	\$2,909,023	\$1,590,358	\$3,469,923	(\$2,151,258)		\$79,998	(\$2,071,260)
Feb-15	\$2,479,862	\$90,766	\$2,389,096	\$2,412,560	\$0	(\$23,464)	(\$46,905)	\$65,700	(\$4,669)
Mar-15	\$3,043,810	\$90,828	\$2,952,982	\$565,330	\$0	\$2,387,653		\$81,207	\$2,468,860
Apr-15	\$2,800,195	\$91,020	\$2,709,175	\$531,967	\$3,079,496	(\$902,288)		\$74,502	(\$827,786)
May-15	\$3,355,032	\$91,020	\$3,264,012	\$634,007	\$0	\$2,630,005		\$89,760	\$2,719,765
Jun-15	\$3,243,115	\$93,652	\$3,149,463	\$587,925	\$0	\$2,561,538		\$86,610	\$2,648,149
Jul-15	\$3,312,256	\$93,652	\$3,218,604	\$628,000	\$3,200,100	(\$609,496)		\$88,512	(\$520,984)
Aug-15	\$3,376,579	\$93,653	\$3,282,926	\$767,878	\$0	\$2,515,048		\$90,280	\$2,605,329
Sep-15	\$2,447,110	\$92,586	\$2,354,524	\$599,540	\$0	\$1,754,984	(\$9,375)	\$64,749	\$1,810,359
Oct-15	\$2,534,394	\$91,962	\$2,442,432	\$711,014	\$3,331,378	(\$1,599,960)	(\$2,760)	\$67,167	(\$1,535,553)
Nov-15	\$2,641,584	\$92,750	\$2,548,834	\$575,210	\$0	\$1,973,624		\$70,093	\$2,043,717
Dec-15	\$2,845,172	\$92,639	\$2,752,533	\$550,469	\$0	\$2,202,064	(\$11,880)	\$75,695	\$2,265,878
	\$35,079,054	\$1,105,450	\$33,973,604	\$10,154,257	\$13,080,896	\$10,738,450	(\$70,920)	\$934,274	\$11,601,804

Column Descriptions:

- (a) per contract invoice
- (b) per contract invoice
- (c) column (a) - column (b)
- (d) from ISO invoice
- (e) per Company records (number of RECs received x transfer price)
- (f) column (c) - column (d) - column (e)
- (g) Performance Guarantee Deposit refunds for terminated contracts
- (h) column (c) x 2.75%
- (i) column (f) + column (g) + column (h)

Long-Term Contracting For Renewable Energy Reconciliation  
For the Period January 1, 2015 through December 31, 2015

Status of Prior Period Over(Under) Recovery

**Section 1**

**Incurred:** January 1, 2014 through December 31, 2014

**Recovery Period:** April 1, 2015 through March 31, 2016

	Beginning Over(Under) Recovery <u>Balance</u> (a)	Adjustment Factor Charge/(Credit) (b)	Uncollectible Expenses (c)	Net Recovery (d)	Over(Under) Recovery <u>Balance</u> (e)	Interest Balance (f)	Interest Rate (g)	Interest (h)	Over(Under) Ending Monthly <u>Balance</u> (i)
Jan-15	(\$8,666,475)	\$0	\$0	\$0	(\$8,666,475)	(\$8,666,475)	0.46%	(\$3,322)	(\$8,669,797)
Feb-15	(\$8,669,797)	\$0	\$0	\$0	(\$8,669,797)	(\$8,669,797)	0.67%	(\$4,831)	(\$8,674,628)
Mar-15	(\$8,674,628)	\$0	\$0	\$0	(\$8,674,628)	(\$8,674,628)	0.67%	(\$4,843)	(\$8,679,472)
Apr-15	(\$8,679,472)	\$315,641	\$3,946	\$311,695	(\$8,367,777)	(\$8,523,624)	0.84%	(\$5,967)	(\$8,373,743)
May-15	(\$8,373,743)	\$603,263	\$7,541	\$595,722	(\$7,778,021)	(\$8,075,882)	0.69%	(\$4,644)	(\$7,782,664)
Jun-15	(\$7,782,664)	\$665,799	\$8,322	\$657,476	(\$7,125,188)	(\$7,453,926)	0.53%	(\$3,292)	(\$7,128,480)
Jul-15	(\$7,128,480)	\$743,871	\$9,298	\$734,572	(\$6,393,908)	(\$6,761,194)	0.65%	(\$3,662)	(\$6,397,571)
Aug-15	(\$6,397,571)	\$852,635	\$10,658	\$841,977	(\$5,555,593)	(\$5,976,582)	0.72%	(\$3,586)	(\$5,559,179)
Sep-15	(\$5,559,179)	\$856,801	\$10,710	\$846,091	(\$4,713,089)	(\$5,136,134)	0.64%	(\$2,739)	(\$4,715,828)
Oct-15	(\$4,715,828)	\$661,626	\$8,270	\$653,356	(\$4,062,472)	(\$4,389,150)	0.61%	(\$2,231)	(\$4,064,703)
Nov-15	(\$4,064,703)	\$598,834	\$7,485	\$591,349	(\$3,473,354)	(\$3,769,029)	0.67%	(\$2,104)	(\$3,475,458)
Dec-15	(\$3,475,458)	\$705,300	\$8,816	\$696,484	(\$2,778,974)	(\$3,127,216)	0.66%	(\$1,720)	(\$2,780,694)
Jan-16	(\$2,780,694)	\$709,201	\$8,865	\$700,336	(\$2,080,358)	(\$2,430,526)	0.90%	(\$1,823)	(\$2,082,181)
Feb-16	(\$2,082,181)	\$0	\$0	\$0	(\$2,082,181)	(\$2,082,181)	0.90%	(\$1,562)	(\$2,083,742)
Mar-16	(\$2,083,742)	\$0	\$0	\$0	(\$2,083,742)	(\$2,083,742)	0.90%	(\$1,563)	(\$2,085,305)
Apr-16	(\$2,085,305)	\$0	\$0	\$0	(\$2,085,305)	(\$2,085,305)	0.90%	(\$1,564)	(\$2,086,869)

Column Descriptions:

- (a) from previous month column (h); beginning balance per Docket No. 4554 Annual Rate Filing, filed February 2015, Schedule JAL-17, page 1, Line (2)
- (b) per company records
- (c) column (b) x 1.25% (uncollectible percentage)
- (d) column (b) - column (c)
- (e) column (a) + column (d)
- (f) [column (a) + column (d)] ÷ 2
- (g) Money Pool interest rate
- (h) column (f) x (column (g) ÷ 12)
- (i) column (e) + column (h)

**Section 2. Calculation of LTC Reconciliation Factor Revenue**

Mo/Yr	kWh Deliveries (i)	LTC Reconciliation Factor (j)	LTC Reconciliation Factor Rev (k)
Apr-15	279,327,959	\$0.00113	\$315,641
May-15	533,861,167	\$0.00113	\$603,263
Jun-15	589,202,465	\$0.00113	\$665,799
Jul-15	658,292,490	\$0.00113	\$743,871
Aug-15	754,544,355	\$0.00113	\$852,635
Sep-15	758,230,693	\$0.00113	\$856,801
Oct-15	585,509,914	\$0.00113	\$661,626
Nov-15	529,942,035	\$0.00113	\$598,834
Dec-15	624,159,731	\$0.00113	\$705,300
Jan-16	627,611,762	\$0.00113	\$709,201
Feb-16	-	\$0.00113	\$0
Mar-16	-	\$0.00113	\$0
Apr-16	-	\$0.00113	\$0

- (i) per Company revenue reports
- (j) Reconciliation Factor in effect April 1, 2015 through March 31, 2016
- (k) column (i) x column (j)

Long-Term Contracting For Renewable Energy Reconciliation  
For the Period January 1, 2015 through December 31, 2015

Status of Prior Period Over(Under) Recovery

**Section 1**

**Incurred:** January 1, 2013 through December 31, 2013

**Recovery Period:** April 1, 2014 through March 31, 2015

	Beginning Over(Under) Recovery <u>Balance</u> (a)	Adjustment Factor Charge/(Credit) (b)	Uncollectible Expenses (c)	Net Recovery (d)	Over(Under) Recovery <u>Balance</u> (e)	Interest Balance (f)	Interest Rate (g)	Interest (h)	Over(Under) Ending Monthly <u>Balance</u> (i)
Jan-14	(\$2,515,955)	\$0	\$0	\$0	(\$2,515,955)	(\$2,515,955)		\$0	(\$2,515,955)
Feb-14	(\$2,515,955)	\$0	\$0	\$0	(\$2,515,955)	(\$2,515,955)		\$0	(\$2,515,955)
Mar-14	(\$2,515,955)	\$0	\$0	\$0	(\$2,515,955)	(\$2,515,955)		\$0	(\$2,515,955)
Apr-14	(\$2,515,955)	\$83,138	\$1,039	\$82,099	(\$2,433,856)	(\$2,474,906)	0.25%	(\$516)	(\$2,434,372)
May-14	(\$2,434,372)	\$187,845	\$2,348	\$185,497	(\$2,248,875)	(\$2,341,623)	0.24%	(\$468)	(\$2,249,343)
Jun-14	(\$2,249,343)	\$180,237	\$2,253	\$177,984	(\$2,071,359)	(\$2,160,351)	0.23%	(\$414)	(\$2,071,773)
Jul-14	(\$2,071,773)	\$215,321	\$2,692	\$212,629	(\$1,859,144)	(\$1,965,459)	0.24%	(\$393)	(\$1,859,537)
Aug-14	(\$1,859,537)	\$213,524	\$2,669	\$210,855	(\$1,648,682)	(\$1,754,110)	0.24%	(\$351)	(\$1,649,033)
Sep-14	(\$1,649,033)	\$221,541	\$2,769	\$218,772	(\$1,430,261)	(\$1,539,647)	0.24%	(\$308)	(\$1,430,569)
Oct-14	(\$1,430,569)	\$201,766	\$2,522	\$199,244	(\$1,231,325)	(\$1,330,947)	0.27%	(\$299)	(\$1,231,624)
Nov-14	(\$1,231,624)	\$183,830	\$2,298	\$181,532	(\$1,050,092)	(\$1,140,858)	0.30%	(\$285)	(\$1,050,377)
Dec-14	(\$1,050,377)	\$200,656	\$2,508	\$198,148	(\$852,229)	(\$951,303)	0.46%	(\$365)	(\$852,594)
Jan-15	(\$852,594)	\$209,767	\$2,622	\$207,145	(\$645,449)	(\$749,022)	0.46%	(\$287)	(\$645,736)
Feb-15	(\$645,736)	\$217,212	\$2,715	\$214,496	(\$431,240)	(\$538,488)	0.67%	(\$300)	(\$431,540)
Mar-15	(\$431,540)	\$203,931	\$2,549	\$201,382	(\$230,158)	(\$330,849)	0.67%	(\$185)	(\$230,343)
Apr-15	(\$230,343)	\$96,189	\$1,202	\$94,987	(\$135,356)	(\$182,850)	0.84%	(\$128)	(\$135,484)

Column Descriptions:

- (a) from previous month column (h); beginning balance per Docket No. 4485 Annual Rate Filing, filed February 2014, Schedule JAL-17, page 1, Line (2)
- (b) per company records
- (c) column (b) x 1.25% (uncollectible percentage)
- (d) column (b) - column (c)
- (e) column (a) + column (d)
- (f) [column (a) + column (d)] ÷ 2
- (g) Money Pool interest rate
- (h) column (f) x (column (g) ÷ 12)
- (i) column (e) + column (h)

**Section 2. Calculation of LTC Reconciliation Factor Revenue**

<u>Mo/Yr</u>	<u>kWh Deliveries</u> (i)	<u>LTC Reconciliation Factor</u> (j)	<u>LTC Reconciliation Factor Rev</u> (k)
Apr-14	259,806,555	\$0.00032	\$83,138
May-14	587,014,666	\$0.00032	\$187,845
Jun-14	563,240,760	\$0.00032	\$180,237
Jul-14	672,876,858	\$0.00032	\$215,321
Aug-14	667,262,532	\$0.00032	\$213,524
Sep-14	692,316,532	\$0.00032	\$221,541
Oct-14	630,520,164	\$0.00032	\$201,766
Nov-14	574,469,521	\$0.00032	\$183,830
Dec-14	627,050,063	\$0.00032	\$200,656
Jan-15	655,521,322	\$0.00032	\$209,767
Feb-15	678,785,976	\$0.00032	\$217,212
Mar-15	637,283,585	\$0.00032	\$203,931
Apr-15	300,590,857	\$0.00032	\$96,189

- (i) per Company revenue reports
- (j) Reconciliation Factor in effect April 1, 2014 through March 31, 2015
- (k) column (i) x column (j)



**THE NARRAGANSETT ELECTRIC COMPANY  
D/B/A NATIONAL GRID  
RIPUC DOCKET NO. \_\_\_\_  
2016 ELECTRIC RETAIL RATE FILING  
WITNESS: ADAM S. CRARY**

## **Schedule ASC-19**

### **Typical Bill Analysis**

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

Monthly kWh	Present Rates			Proposed Rates			Increase/(Decrease)		Percentage of Customers
	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total	
150	\$32.01	\$13.91	\$18.10	\$32.48	\$13.58	\$18.90	\$0.47	1.5%	13.7%
300	\$57.88	\$27.82	\$30.06	\$58.80	\$27.15	\$31.65	\$0.92	1.6%	17.5%
400	\$75.12	\$37.09	\$38.03	\$76.35	\$36.20	\$40.15	\$1.23	1.6%	11.8%
500	\$92.35	\$46.36	\$45.99	\$93.91	\$45.26	\$48.65	\$1.56	1.7%	10.8%
600	\$109.59	\$55.63	\$53.96	\$111.46	\$54.31	\$57.15	\$1.87	1.7%	9.4%
700	\$126.83	\$64.90	\$61.93	\$129.01	\$63.36	\$65.65	\$2.18	1.7%	7.7%
1,200	\$213.04	\$111.26	\$101.78	\$216.76	\$108.61	\$108.15	\$3.72	1.7%	15.0%
2,000	\$350.98	\$185.44	\$165.54	\$357.17	\$181.02	\$176.15	\$6.19	1.8%	14.1%

Present Rates

Customer Charge		\$5.00
RE Growth Factor		\$0.17
LIHEAP Charge		\$0.73
Transmission Energy Charge (1)	kWh x	\$0.02348
Distribution Energy Charge	kWh x	\$0.04164
Transition Energy Charge (3)	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (5)	kWh x	\$0.00233
Gross Earnings Tax		4.00%
Standard Offer Charge (7)	kWh x	\$0.08901

Proposed Rates

Customer Charge		\$5.00
RE Growth Factor		\$0.17
LIHEAP Charge		\$0.73
Transmission Energy Charge (2)	kWh x	\$0.02706
Distribution Energy Charge	kWh x	\$0.04164
Transition Energy Charge (4)	kWh x	(\$0.00058)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (6)	kWh x	\$0.00241
Gross Earnings Tax		4.00%
Standard Offer Charge (8)	kWh x	\$0.08689

Note (1): includes the Base Transmission Charge of 2.253¢/kWh, the Transmission Adjustment Factor of 0.026¢/kWh and the Transmission Uncollectible Factor of 0.030¢/kWh

Note (2): includes the proposed Base Transmission Charge of 2.596¢/kWh, the proposed Transmission Adjustment Factor of 0.075¢/kWh and the proposed Transmission Uncollectible Factor of 0.035¢/kWh

Note (3): includes the current Transition Energy Charge of (0.201¢)/kWh

Note (4): includes the proposed Transition Energy Charge of (0.058¢)/kWh

Note (5): includes the Net Metering Charge of 0.002¢/kWh and the Long Term Contracting for Renewable Energy Resource Charge of 0.231¢/kWh

Note (6): includes the proposed Net Metering Charge of 0.007¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.234¢/kWh

Note (7): includes the base Standard Offer Service Charge of 8.418¢/kWh, the Standard Offer Service Adjustment Charge of 0.055¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.134¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

Note (8): includes the base Standard Offer Service Charge of 8.418¢/kWh, the proposed Standard Offer Service Adjustment Charge of (0.330¢)/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.307¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

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

Monthly kWh	Present Rates			Proposed Rates			Increase/(Decrease)		Percentage of Customers
	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total	
150	\$24.70	\$13.91	\$10.79	\$25.16	\$13.58	\$11.58	\$0.46	1.9%	10.7%
300	\$48.46	\$27.82	\$20.64	\$49.38	\$27.15	\$22.23	\$0.92	1.9%	23.2%
400	\$64.29	\$37.09	\$27.20	\$65.53	\$36.20	\$29.33	\$1.24	1.9%	14.9%
500	\$80.13	\$46.36	\$33.77	\$81.68	\$45.26	\$36.42	\$1.55	1.9%	12.2%
600	\$95.97	\$55.63	\$40.34	\$97.83	\$54.31	\$43.52	\$1.86	1.9%	9.6%
700	\$111.80	\$64.90	\$46.90	\$113.98	\$63.36	\$50.62	\$2.18	1.9%	7.3%
1,200	\$191.00	\$111.26	\$79.74	\$194.71	\$108.61	\$86.10	\$3.71	1.9%	12.3%
2,000	\$317.71	\$185.44	\$132.27	\$323.90	\$181.02	\$142.88	\$6.19	1.9%	9.8%

Present Rates

Customer Charge		\$0.00
RE Growth Factor		\$0.17
LIHEAP Charge		\$0.73
Transmission Energy Charge (1)	kWh x	\$0.02348
Distribution Energy Charge	kWh x	\$0.02817
Transition Energy Charge (3)	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (5)	kWh x	\$0.00233
Gross Earnings Tax		4.00%
Standard Offer Charge (7)	kWh x	\$0.08901

Proposed Rates

Customer Charge		\$0.00
RE Growth Factor		\$0.17
LIHEAP Charge		\$0.73
Transmission Energy Charge (2)	kWh x	\$0.02706
Distribution Energy Charge	kWh x	\$0.02817
Transition Energy Charge (4)	kWh x	(\$0.00058)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (6)	kWh x	\$0.00241
Gross Earnings Tax		4.00%
Standard Offer Charge (8)	kWh x	\$0.08689

Note (1): includes the Base Transmission Charge of 2.253¢/kWh, the Transmission Adjustment Factor of 0.026¢/kWh and the Transmission Uncollectible Factor of 0.030¢/kWh

Note (2): includes the proposed Base Transmission Charge of 2.596¢/kWh, the proposed Transmission Adjustment Factor of 0.075¢/kWh and the proposed Transmission Uncollectible Factor of 0.035¢/kWh

Note (3): includes the current Transition Energy Charge of (0.201¢)/kWh

Note (4): includes the proposed Transition Energy Charge of (0.058¢)/kWh

Note (5): includes the Net Metering Charge of 0.002¢/kWh and the Long Term Contracting for Renewable Energy Resource Charge of 0.231¢/kWh

Note (6): includes the proposed Net Metering Charge of 0.007¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.234¢/kWh

Note (7): includes the base Standard Offer Service Charge of 8.418¢/kWh, the Standard Offer Service Adjustment Charge of 0.055¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.134¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

Note (8): includes the base Standard Offer Service Charge of 8.418¢/kWh, the proposed Standard Offer Service Adjustment Charge of (0.330¢)/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.307¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh



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

Monthly kWh	Present Rates			Proposed Rates			Increase/(Decrease)		Percentage of Customers
	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total	
250	\$51.29	\$21.68	\$29.61	\$53.58	\$22.29	\$31.29	\$2.29	4.5%	35.2%
500	\$91.14	\$43.37	\$47.77	\$95.73	\$44.59	\$51.14	\$4.59	5.0%	17.0%
1,000	\$170.83	\$86.74	\$84.09	\$180.00	\$89.18	\$90.82	\$9.17	5.4%	19.0%
1,500	\$250.53	\$130.11	\$120.42	\$264.28	\$133.77	\$130.51	\$13.75	5.5%	9.8%
2,000	\$330.22	\$173.48	\$156.74	\$348.55	\$178.35	\$170.20	\$18.33	5.6%	19.1%

Present Rates

Customer Charge		\$10.00
RE Growth Factor		\$0.26
LIHEAP Charge		\$0.73
Transmission Energy Charge (1)	kWh x	\$0.02072
Distribution Energy Charge	kWh x	\$0.03763
Transition Energy Charge (3)	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (5)	kWh x	\$0.00233
Gross Earnings Tax		4.00%
Standard Offer Charge (7)	kWh x	\$0.08327

Proposed Rates

Customer Charge		\$10.00
RE Growth Factor		\$0.26
LIHEAP Charge		\$0.73
Transmission Energy Charge (2)	kWh x	\$0.02567
Distribution Energy Charge	kWh x	\$0.03763
Transition Energy Charge (4)	kWh x	(\$0.00058)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (5)	kWh x	\$0.00241
Gross Earnings Tax		4.00%
Standard Offer Charge (8)	kWh x	\$0.08561

Note (1): includes the Base Transmission Charge of 2.263¢/kWh, the Transmission Adjustment Factor of (0.218¢)/kWh and the Transmission Uncollectible Factor of 0.027¢/kWh

Note (2): includes the proposed Base Transmission Charge of 2.607¢/kWh, the proposed Transmission Adjustment Factor of (0.072¢)/kWh and the proposed Transmission Uncollectible Factor of 0.032¢/kWh

Note (3): includes the current Transition Energy Charge of (0.201¢)/kWh

Note (4): includes the proposed Transition Energy Charge of (0.058¢)/kWh

Note (5): includes the Net Metering Charge of 0.002¢/kWh and the Long Term Contracting for Renewable Energy Resource Charge of 0.231¢/kWh

Note (6): includes the proposed Net Metering Charge of 0.007¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.234¢/kWh

Note (7): includes the base Standard Offer Service Charge of 7.592¢/kWh, the Standard Offer Service Adjustment Charge of 0.282¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.159¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

Note (8): includes the base Standard Offer Service Charge of 7.592¢/kWh, the proposed Standard Offer Service Adjustment Charge of 0.377¢/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.298¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

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

Hours Use: 200

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
20	4,000	\$724.89	\$346.96	\$377.93	\$760.10	\$356.71	\$403.39	\$35.21	4.9%
50	10,000	\$1,678.01	\$867.40	\$810.61	\$1,766.03	\$891.77	\$874.26	\$88.02	5.2%
100	20,000	\$3,266.55	\$1,734.79	\$1,531.76	\$3,442.59	\$1,783.54	\$1,659.05	\$176.04	5.4%
150	30,000	\$4,855.10	\$2,602.19	\$2,252.91	\$5,119.15	\$2,675.31	\$2,443.84	\$264.05	5.4%

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge (1)	kW x	\$3.02
Transmission Energy Charge (3)	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge	kWh x	\$0.00765
Transition Energy Charge (7)	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (5)	kWh x	\$0.00233

Gross Earnings Tax 4.00%

Standard Offer Charge (9) kWh x \$0.08327

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge (2)	kW x	\$3.59
Transmission Energy Charge (4)	kWh x	\$0.01069
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge	kWh x	\$0.00765
Transition Energy Charge (8)	kWh x	(\$0.00058)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (6)	kWh x	\$0.00241

Gross Earnings Tax 4.00%

Standard Offer Charge (10) kWh x \$0.08561

Note (1): includes the current Transmission Demand Charge of \$3.02/kW

Note (2): includes the proposed Transmission Demand Charge of \$3.59/kW

Note (3): includes the Base Transmission Charge of 0.919¢/kWh, the Transmission Adjustment Factor of (0.051¢)/kWh and the Transmission Uncollectible Factor of 0.026¢/kWh

Note (4): includes the Base Transmission Charge of 1.031¢/kWh, the Transmission Adjustment Factor of 0.008¢/kWh and the Transmission Uncollectible Factor of 0.030¢/kWh

Note (5): includes the Net Metering Charge of 0.002¢/kWh and the Long Term Contracting Recovery Factor of 0.231¢/kWh

Note (6): includes the proposed Net Metering Charge of 0.007¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.234¢/kWh

Note (7): includes the current Transition Energy Charge of (0.201¢)/kWh

Note (8): includes the proposed Transition Energy Charge of (0.058¢)/kWh

Note (9): includes the base Standard Offer Service Charge of 7.592¢/kWh, the Standard Offer Service Adjustment Charge of 0.282¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.159¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

Note (10): includes the base Standard Offer Service Charge of 7.592¢/kWh, the proposed Standard Offer Service Adjustment Charge of 0.377¢/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.298¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

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

Hours Use: 300

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
20	6,000	\$956.66	\$520.44	\$436.22	\$1,003.53	\$535.06	\$468.47	\$46.87	4.9%
50	15,000	\$2,257.43	\$1,301.09	\$956.34	\$2,374.63	\$1,337.66	\$1,036.97	\$117.20	5.2%
100	30,000	\$4,425.41	\$2,602.19	\$1,823.22	\$4,659.78	\$2,675.31	\$1,984.47	\$234.37	5.3%
150	45,000	\$6,593.37	\$3,903.28	\$2,690.09	\$6,944.94	\$4,012.97	\$2,931.97	\$351.57	5.3%

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge (1)	kW x	\$3.02
Transmission Energy Charge (3)	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge	kWh x	\$0.00765
Transition Energy Charge (7)	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (5)	kWh x	\$0.00233

Gross Earnings Tax		4.00%
Standard Offer Charge (9)	kWh x	\$0.08327

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge (2)	kW x	\$3.59
Transmission Energy Charge (4)	kWh x	\$0.01069
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge	kWh x	\$0.00765
Transition Energy Charge (8)	kWh x	(\$0.00058)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (6)	kWh x	\$0.00241

Gross Earnings Tax		4.00%
Standard Offer Charge (10)	kWh x	\$0.08561

Note (1): includes the current Transmission Demand Charge of \$3.02/kW

Note (2): includes the proposed Transmission Demand Charge of \$3.59/kW

Note (3): includes the Base Transmission Charge of 0.919¢/kWh, the Transmission Adjustment Factor of (0.051¢)/kWh and the Transmission Uncollectible Factor of 0.026¢/kWh

Note (4): includes the Base Transmission Charge of 1.031¢/kWh, the Transmission Adjustment Factor of 0.008¢/kWh and the Transmission Uncollectible Factor of 0.030¢/kWh

Note (5): includes the Net Metering Charge of 0.002¢/kWh and the Long Term Contracting Recovery Factor of 0.231¢/kWh

Note (6): includes the proposed Net Metering Charge of 0.007¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.234¢/kWh

Note (7): includes the current Transition Energy Charge of (0.201¢)/kWh

Note (8): includes the proposed Transition Energy Charge of (0.058¢)/kWh

Note (9): includes the base Standard Offer Service Charge of 7.592¢/kWh, the Standard Offer Service Adjustment Charge of 0.282¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.159¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

Note (10): includes the base Standard Offer Service Charge of 7.592¢/kWh, the proposed Standard Offer Service Adjustment Charge of 0.377¢/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.298¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

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

Hours Use: 400

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
20	8,000	\$1,188.43	\$693.92	\$494.51	\$1,246.97	\$713.42	\$533.55	\$58.54	4.9%
50	20,000	\$2,836.86	\$1,734.79	\$1,102.07	\$2,983.22	\$1,783.54	\$1,199.68	\$146.36	5.2%
100	40,000	\$5,584.26	\$3,469.58	\$2,114.68	\$5,876.97	\$3,567.08	\$2,309.89	\$292.71	5.2%
150	60,000	\$8,331.66	\$5,204.38	\$3,127.28	\$8,770.72	\$5,350.63	\$3,420.09	\$439.06	5.3%

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge (1)	kW x	\$3.02
Transmission Energy Charge (3)	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge	kWh x	\$0.00765
Transition Energy Charge (7)	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (5)	kWh x	\$0.00233

Gross Earnings Tax 4.00%

Standard Offer Charge (9) kWh x \$0.08327

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge (2)	kW x	\$3.59
Transmission Energy Charge (4)	kWh x	\$0.01069
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge	kWh x	\$0.00765
Transition Energy Charge (8)	kWh x	(\$0.00058)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (6)	kWh x	\$0.00241

Gross Earnings Tax 4.00%

Standard Offer Charge (10) kWh x \$0.08561

Note (1): includes the current Transmission Demand Charge of \$3.02/kW

Note (2): includes the proposed Transmission Demand Charge of \$3.59/kW

Note (3): includes the Base Transmission Charge of 0.919¢/kWh, the Transmission Adjustment Factor of (0.051¢)/kWh and the Transmission Uncollectible Factor of 0.026¢/kWh

Note (4): includes the Base Transmission Charge of 1.031¢/kWh, the Transmission Adjustment Factor of 0.008¢/kWh and the Transmission Uncollectible Factor of 0.030¢/kWh

Note (5): includes the Net Metering Charge of 0.002¢/kWh and the Long Term Contracting Recovery Factor of 0.231¢/kWh

Note (6): includes the proposed Net Metering Charge of 0.007¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.234¢/kWh

Note (7): includes the current Transition Energy Charge of (0.201¢)/kWh

Note (8): includes the proposed Transition Energy Charge of (0.058¢)/kWh

Note (9): includes the base Standard Offer Service Charge of 7.592¢/kWh, the Standard Offer Service Adjustment Charge of 0.282¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.159¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

Note (10): includes the base Standard Offer Service Charge of 7.592¢/kWh, the proposed Standard Offer Service Adjustment Charge of 0.377¢/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.298¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

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

Hours Use: 500

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
20	10,000	\$1,420.20	\$867.40	\$552.80	\$1,490.41	\$891.77	\$598.64	\$70.21	4.9%
50	25,000	\$3,416.29	\$2,168.49	\$1,247.80	\$3,591.82	\$2,229.43	\$1,362.39	\$175.53	5.1%
100	50,000	\$6,743.12	\$4,336.98	\$2,406.14	\$7,094.15	\$4,458.85	\$2,635.30	\$351.03	5.2%
150	75,000	\$10,069.94	\$6,505.47	\$3,564.47	\$10,596.50	\$6,688.28	\$3,908.22	\$526.56	5.2%

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge (1)	kW x	\$3.02
Transmission Energy Charge (3)	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge	kWh x	\$0.00765
Transition Energy Charge (7)	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (5)	kWh x	\$0.00233

Gross Earnings Tax 4.00%

Standard Offer Charge (9) kWh x \$0.08327

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge (2)	kW x	\$3.59
Transmission Energy Charge (4)	kWh x	\$0.01069
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge	kWh x	\$0.00765
Transition Energy Charge (8)	kWh x	(\$0.00058)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (6)	kWh x	\$0.00241

Gross Earnings Tax 4.00%

Standard Offer Charge (10) kWh x \$0.08561

Note (1): includes the current Transmission Demand Charge of \$3.02/kW

Note (2): includes the proposed Transmission Demand Charge of \$3.59/kW

Note (3): includes the Base Transmission Charge of 0.919¢/kWh, the Transmission Adjustment Factor of (0.051¢)/kWh and the Transmission Uncollectible Factor of 0.026¢/kWh

Note (4): includes the Base Transmission Charge of 1.031¢/kWh, the Transmission Adjustment Factor of 0.008¢/kWh and the Transmission Uncollectible Factor of 0.030¢/kWh

Note (5): includes the Net Metering Charge of 0.002¢/kWh and the Long Term Contracting Recovery Factor of 0.231¢/kWh

Note (6): includes the proposed Net Metering Charge of 0.007¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.234¢/kWh

Note (7): includes the current Transition Energy Charge of (0.201¢)/kWh

Note (8): includes the proposed Transition Energy Charge of (0.058¢)/kWh

Note (9): includes the base Standard Offer Service Charge of 7.592¢/kWh, the Standard Offer Service Adjustment Charge of 0.282¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.159¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

Note (10): includes the base Standard Offer Service Charge of 7.592¢/kWh, the proposed Standard Offer Service Adjustment Charge of 0.377¢/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.298¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

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

Hours Use: 600

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
20	12,000	\$1,651.97	\$1,040.88	\$611.09	\$1,733.85	\$1,070.13	\$663.72	\$81.88	5.0%
50	30,000	\$3,995.72	\$2,602.19	\$1,393.53	\$4,200.40	\$2,675.31	\$1,525.09	\$204.68	5.1%
100	60,000	\$7,901.97	\$5,204.38	\$2,697.59	\$8,311.35	\$5,350.63	\$2,960.72	\$409.38	5.2%
150	90,000	\$11,808.22	\$7,806.56	\$4,001.66	\$12,422.28	\$8,025.94	\$4,396.34	\$614.06	5.2%

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge (1)	kW x	\$3.02
Transmission Energy Charge (3)	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge	kWh x	\$0.00765
Transition Energy Charge (7)	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (5)	kWh x	\$0.00233
Gross Earnings Tax		4.00%
Standard Offer Charge (9)	kWh x	\$0.08327

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge (2)	kW x	\$3.59
Transmission Energy Charge (4)	kWh x	\$0.01069
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge	kWh x	\$0.00765
Transition Energy Charge (8)	kWh x	(\$0.00058)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (6)	kWh x	\$0.00241
Gross Earnings Tax		4.00%
Standard Offer Charge (10)	kWh x	\$0.08561

Note (1): includes the current Transmission Demand Charge of \$3.02/kW

Note (2): includes the proposed Transmission Demand Charge of \$3.59/kW

Note (3): includes the Base Transmission Charge of 0.919¢/kWh, the Transmission Adjustment Factor of (0.051¢)/kWh and the Transmission Uncollectible Factor of 0.026¢/kWh

Note (4): includes the Base Transmission Charge of 1.031¢/kWh, the Transmission Adjustment Factor of 0.008¢/kWh and the Transmission Uncollectible Factor of 0.030¢/kWh

Note (5): includes the Net Metering Charge of 0.002¢/kWh and the Long Term Contracting Recovery Factor of 0.231¢/kWh

Note (6): includes the proposed Net Metering Charge of 0.007¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.234¢/kWh

Note (7): includes the current Transition Energy Charge of (0.201¢)/kWh

Note (8): includes the proposed Transition Energy Charge of (0.058¢)/kWh

Note (9): includes the base Standard Offer Service Charge of 7.592¢/kWh, the Standard Offer Service Adjustment Charge of 0.282¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.159¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

Note (10): includes the base Standard Offer Service Charge of 7.592¢/kWh, the proposed Standard Offer Service Adjustment Charge of 0.377¢/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.298¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

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

Hours Use: 200

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
200	40,000	\$6,996.15	\$4,230.83	\$2,765.32	\$6,689.91	\$3,693.75	\$2,996.16	(\$306.24)	-4.4%
750	150,000	\$26,168.24	\$15,865.63	\$10,302.61	\$25,019.80	\$13,851.56	\$11,168.24	(\$1,148.44)	-4.4%
1,000	200,000	\$34,882.83	\$21,154.17	\$13,728.66	\$33,351.57	\$18,468.75	\$14,882.82	(\$1,531.26)	-4.4%
1,500	300,000	\$52,311.99	\$31,731.25	\$20,580.74	\$50,015.12	\$27,703.13	\$22,311.99	(\$2,296.87)	-4.4%
2,500	500,000	\$87,170.33	\$52,885.42	\$34,284.91	\$83,342.20	\$46,171.88	\$37,170.32	(\$3,828.13)	-4.4%

Present Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge (1)	kW x	\$3.40
Transmission Energy Charge (3)	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge	kWh x	\$0.00759
Transition Energy Charge (7)	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (5)	kWh x	\$0.00233

Gross Earnings Tax 4%

Standard Offer Charge (9) kWh x \$0.10154

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge (2)	kW x	\$3.97
Transmission Energy Charge (4)	kWh x	\$0.01048
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge	kWh x	\$0.00759
Transition Energy Charge (8)	kWh x	(\$0.00058)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (6)	kW x	\$0.00241

Gross Earnings Tax 4%

Standard Offer Charge (10) kWh x \$0.08865

Note (1): includes the current Transmission Demand Charge of \$3.40/kW

Note (2): includes the proposed Transmission Demand Charge of \$3.97/kW

Note (3): includes the Base Transmission Charge of 0.825¢/kWh, the Transmission Adjustment Factor of 0.080¢/kWh and the Transmission Uncollectible Factor of 0.025¢/kWh

Note (4): includes the Base Transmission Charge of 0.905¢/kWh, the Transmission Adjustment Factor of 0.115¢/kWh and the Transmission Uncollectible Factor of 0.028¢/kWh

Note (5): includes the Net Metering Charge of 0.002¢/kWh and the Long Term Contracting Recovery Factor of 0.231¢/kWh

Note (6): includes the proposed Net Metering Charge of 0.007¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.234¢/kWh

Note (7): includes the current Transition Energy Charge of (0.201¢)/kWh

Note (8): includes the proposed Transition Energy Charge of (0.058¢)/kWh

Note (9): includes the base Standard Offer Service Charge of 9.627¢/kWh, the Standard Offer Service Adjustment Charge of 0.059¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.174¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

Note (10): includes the base Standard Offer Service Charge of 9.627¢/kWh, the proposed Standard Offer Service Adjustment Charge of (1.427¢)/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.371¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

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

Hours Use: 300

Monthly Power		Present Rates Standard			Proposed Rates Standard			Increase/(Decrease)	
kW	kWh	Total	Offer	Delivery	Total	Offer	Delivery	Amount	% of Total
200	60,000	\$9,700.74	\$6,346.25	\$3,354.49	\$9,181.99	\$5,540.63	\$3,641.36	(\$518.75)	-5.3%
750	225,000	\$36,310.43	\$23,798.44	\$12,511.99	\$34,365.11	\$20,777.34	\$13,587.77	(\$1,945.32)	-5.4%
1,000	300,000	\$48,405.74	\$31,731.25	\$16,674.49	\$45,811.99	\$27,703.13	\$18,108.86	(\$2,593.75)	-5.4%
1,500	450,000	\$72,596.37	\$47,596.88	\$24,999.49	\$68,705.74	\$41,554.69	\$27,151.05	(\$3,890.63)	-5.4%
2,500	750,000	\$120,977.62	\$79,328.13	\$41,649.49	\$114,493.24	\$69,257.81	\$45,235.43	(\$6,484.38)	-5.4%

Present Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge (1)	kW x	\$3.40
Transmission Energy Charge (3)	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge	kWh x	\$0.00759
Transition Energy Charge (7)	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (5)	kWh x	\$0.00233

Gross Earnings Tax 4%

Standard Offer Charge (9) kWh x \$0.10154

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge (2)	kW x	\$3.97
Transmission Energy Charge (4)	kWh x	\$0.01048
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge	kWh x	\$0.00759
Transition Energy Charge (8)	kWh x	(\$0.00058)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (6)	kW x	\$0.00241

Gross Earnings Tax 4%

Standard Offer Charge (10) kWh x \$0.08865

Note (1): includes the current Transmission Demand Charge of \$3.40/kW

Note (2): includes the proposed Transmission Demand Charge of \$3.97/kW

Note (3): includes the Base Transmission Charge of 0.825¢/kWh, the Transmission Adjustment Factor of 0.080¢/kWh and the Transmission Uncollectible Factor of 0.025¢/kWh

Note (4): includes the Base Transmission Charge of 0.905¢/kWh, the Transmission Adjustment Factor of 0.115¢/kWh and the Transmission Uncollectible Factor of 0.028¢/kWh

Note (5): includes the Net Metering Charge of 0.002¢/kWh and the Long Term Contracting Recovery Factor of 0.231¢/kWh

Note (6): includes the proposed Net Metering Charge of 0.007¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.234¢/kWh

Note (7): includes the current Transition Energy Charge of (0.201¢)/kWh

Note (8): includes the proposed Transition Energy Charge of (0.058¢)/kWh

Note (9): includes the base Standard Offer Service Charge of 9.627¢/kWh, the Standard Offer Service Adjustment Charge of 0.059¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.174¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

Note (10): includes the base Standard Offer Service Charge of 9.627¢/kWh, the proposed Standard Offer Service Adjustment Charge of (1.427¢)/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.371¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh



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

Hours Use: 400

Monthly Power		Present Rates Standard			Proposed Rates Standard			Increase/(Decrease)	
kW	kWh	Total	Offer	Delivery	Total	Offer	Delivery	Amount	% of Total
200	80,000	\$12,405.33	\$8,461.67	\$3,943.66	\$11,674.07	\$7,387.50	\$4,286.57	(\$731.26)	-5.9%
750	300,000	\$46,452.61	\$31,731.25	\$14,721.36	\$43,710.43	\$27,703.13	\$16,007.30	(\$2,742.18)	-5.9%
1,000	400,000	\$61,928.65	\$42,308.33	\$19,620.32	\$58,272.41	\$36,937.50	\$21,334.91	(\$3,656.24)	-5.9%
1,500	600,000	\$92,880.74	\$63,462.50	\$29,418.24	\$87,396.36	\$55,406.25	\$31,990.11	(\$5,484.38)	-5.9%
2,500	1,000,000	\$154,784.90	\$105,770.83	\$49,014.07	\$145,644.28	\$92,343.75	\$53,300.53	(\$9,140.62)	-5.9%

Present Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge (1)	kW x	\$3.40
Transmission Energy Charge (3)	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge	kWh x	\$0.00759
Transition Energy Charge (7)	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (5)	kWh x	\$0.00233

Gross Earnings Tax 4%

Standard Offer Charge (9) kWh x \$0.10154

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge (2)	kW x	\$3.97
Transmission Energy Charge (4)	kWh x	\$0.01048
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge	kWh x	\$0.00759
Transition Energy Charge (8)	kWh x	(\$0.00058)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (6)	kW x	\$0.00241

Gross Earnings Tax 4%

Standard Offer Charge (10) kWh x \$0.08865

Note (1): includes the current Transmission Demand Charge of \$3.40/kW

Note (2): includes the proposed Transmission Demand Charge of \$3.97/kW

Note (3): includes the Base Transmission Charge of 0.825¢/kWh, the Transmission Adjustment Factor of 0.080¢/kWh and the Transmission Uncollectible Factor of 0.025¢/kWh

Note (4): includes the Base Transmission Charge of 0.905¢/kWh, the Transmission Adjustment Factor of 0.115¢/kWh and the Transmission Uncollectible Factor of 0.028¢/kWh

Note (5): includes the Net Metering Charge of 0.002¢/kWh and the Long Term Contracting Recovery Factor of 0.231¢/kWh

Note (6): includes the proposed Net Metering Charge of 0.007¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.234¢/kWh

Note (7): includes the current Transition Energy Charge of (0.201¢)/kWh

Note (8): includes the proposed Transition Energy Charge of (0.058¢)/kWh

Note (9): includes the base Standard Offer Service Charge of 9.627¢/kWh, the Standard Offer Service Adjustment Charge of 0.059¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.174¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

Note (10): includes the base Standard Offer Service Charge of 9.627¢/kWh, the proposed Standard Offer Service Adjustment Charge of (1.427¢)/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.371¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

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

Hours Use: 500

Monthly Power		Present Rates Standard			Proposed Rates Standard			Increase/(Decrease)	
kW	kWh	Total	Offer	Delivery	Total	Offer	Delivery	Amount	% of Total
200	100,000	\$15,109.90	\$10,577.08	\$4,532.82	\$14,166.16	\$9,234.38	\$4,931.78	(\$943.74)	-6.2%
750	375,000	\$56,594.80	\$39,664.06	\$16,930.74	\$53,055.74	\$34,628.91	\$18,426.83	(\$3,539.06)	-6.3%
1,000	500,000	\$75,451.58	\$52,885.42	\$22,566.16	\$70,732.83	\$46,171.88	\$24,560.95	(\$4,718.75)	-6.3%
1,500	750,000	\$113,165.12	\$79,328.13	\$33,836.99	\$106,086.99	\$69,257.81	\$36,829.18	(\$7,078.13)	-6.3%
2,500	1,250,000	\$188,592.20	\$132,213.54	\$56,378.66	\$176,795.33	\$115,429.69	\$61,365.64	(\$11,796.87)	-6.3%

Present Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge (1)	kW x	\$3.40
Transmission Energy Charge (3)	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge	kWh x	\$0.00759
Transition Energy Charge (7)	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (5)	kWh x	\$0.00233

Gross Earnings Tax 4%

Standard Offer Charge (9) kWh x \$0.10154

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge (2)	kW x	\$3.97
Transmission Energy Charge (4)	kWh x	\$0.01048
Distribution Demand Charge - > 200 kW	kW x	\$4.10
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Transition Energy Charge (8)	kWh x	(\$0.00058)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (6)	kW x	\$0.00241

Gross Earnings Tax 4%

Standard Offer Charge (10) kWh x \$0.08865

Note (1): includes the current Transmission Demand Charge of \$3.40/kW

Note (2): includes the proposed Transmission Demand Charge of \$3.97/kW

Note (3): includes the Base Transmission Charge of 0.825¢/kWh, the Transmission Adjustment Factor of 0.080¢/kWh and the Transmission Uncollectible Factor of 0.025¢/kWh

Note (4): includes the Base Transmission Charge of 0.905¢/kWh, the Transmission Adjustment Factor of 0.115¢/kWh and the Transmission Uncollectible Factor of 0.028¢/kWh

Note (5): includes the Net Metering Charge of 0.002¢/kWh and the Long Term Contracting Recovery Factor of 0.231¢/kWh

Note (6): includes the proposed Net Metering Charge of 0.007¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.234¢/kWh

Note (7): includes the current Transition Energy Charge of (0.201¢)/kWh

Note (8): includes the proposed Transition Energy Charge of (0.058¢)/kWh

Note (9): includes the base Standard Offer Service Charge of 9.627¢/kWh, the Standard Offer Service Adjustment Charge of 0.059¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.174¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

Note (10): includes the base Standard Offer Service Charge of 9.627¢/kWh, the proposed Standard Offer Service Adjustment Charge of (1.427¢)/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.371¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

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

Hours Use: 600

Monthly Power		Present Rates Standard			Proposed Rates Standard			Increase/(Decrease)	
kW	kWh	Total	Offer	Delivery	Total	Offer	Delivery	Amount	% of Total
200	120,000	\$17,814.49	\$12,692.50	\$5,121.99	\$16,658.24	\$11,081.25	\$5,576.99	(\$1,156.25)	-6.5%
750	450,000	\$66,736.99	\$47,596.88	\$19,140.11	\$62,401.05	\$41,554.69	\$20,846.36	(\$4,335.94)	-6.5%
1,000	600,000	\$88,974.49	\$63,462.50	\$25,511.99	\$83,193.24	\$55,406.25	\$27,786.99	(\$5,781.25)	-6.5%
1,500	900,000	\$133,449.49	\$95,193.75	\$38,255.74	\$124,777.62	\$83,109.38	\$41,668.24	(\$8,671.87)	-6.5%
2,500	1,500,000	\$222,399.49	\$158,656.25	\$63,743.24	\$207,946.37	\$138,515.63	\$69,430.74	(\$14,453.12)	-6.5%

Present Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge (1)	kW x	\$3.40
Transmission Energy Charge (3)	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge	kWh x	\$0.00759
Transition Energy Charge (7)	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (5)	kWh x	\$0.00233

Gross Earnings Tax 4%

Standard Offer Charge (9) kWh x \$0.10154

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge (2)	kW x	\$3.97
Transmission Energy Charge (4)	kWh x	\$0.01048
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge	kWh x	\$0.00759
Transition Energy Charge (8)	kWh x	(\$0.00058)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (6)	kW x	\$0.00241

Gross Earnings Tax 4%

Standard Offer Charge (10) kWh x \$0.08865

Note (1): includes the current Transmission Demand Charge of \$3.40/kW

Note (2): includes the proposed Transmission Demand Charge of \$3.97/kW

Note (3): includes the Base Transmission Charge of 0.825¢/kWh, the Transmission Adjustment Factor of 0.080¢/kWh and the Transmission Uncollectible Factor of 0.025¢/kWh

Note (4): includes the Base Transmission Charge of 0.905¢/kWh, the Transmission Adjustment Factor of 0.115¢/kWh and the Transmission Uncollectible Factor of 0.028¢/kWh

Note (5): includes the Net Metering Charge of 0.002¢/kWh and the Long Term Contracting Recovery Factor of 0.231¢/kWh

Note (6): includes the proposed Net Metering Charge of 0.007¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.234¢/kWh

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Note (10): includes the base Standard Offer Service Charge of 9.627¢/kWh, the proposed Standard Offer Service Adjustment Charge of (1.427¢)/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.371¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh

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

Hours Use: 200

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	600,000	\$118,320.63	\$63,462.50	\$54,858.13	\$112,033.13	\$55,406.25	\$56,626.88	(\$6,287.50)	-5.3%
5,000	1,000,000	\$185,153.96	\$105,770.83	\$79,383.13	\$174,674.79	\$92,343.75	\$82,331.04	(\$10,479.17)	-5.7%
7,500	1,500,000	\$268,695.63	\$158,656.25	\$110,039.38	\$252,976.88	\$138,515.63	\$114,461.25	(\$15,718.75)	-5.9%
10,000	2,000,000	\$352,237.30	\$211,541.67	\$140,695.63	\$331,278.96	\$184,687.50	\$146,591.46	(\$20,958.34)	-6.0%
20,000	4,000,000	\$686,403.96	\$423,083.33	\$263,320.63	\$644,487.29	\$369,375.00	\$275,112.29	(\$41,916.67)	-6.1%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge (1)	kW x	\$3.22
Transmission Energy Charge (3)	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge	kWh x	\$0.00120
Transition Energy Charge (7)	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (5)	kWh x	\$0.00233
Gross Earnings Tax		4%
Standard Offer Charge (9)	kWh x	\$0.10154

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge (2)	kW x	\$3.22
Transmission Energy Charge (4)	kWh x	\$0.01379
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge	kWh x	\$0.00120
Transition Energy Charge (8)	kWh x	(\$0.00058)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (5)	kWh x	\$0.00241
Gross Earnings Tax		4%
Standard Offer Charge (10)	kWh x	\$0.08865

Note (1): includes the current Transmission Demand Charge of \$3.22/kW

Note (2): includes the proposed Transmission Demand Charge of \$3.22/kW

Note (3): includes the Base Transmission Charge of 0.913¢/kWh, the Transmission Adjustment Factor of 0.309¢/kWh and the Transmission Uncollectible Factor of 0.025¢/kWh

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

Hours Use: 300

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	900,000	\$157,883.13	\$95,193.75	\$62,689.38	\$148,451.88	\$83,109.38	\$65,342.50	(\$9,431.25)	-6.0%
5,000	1,500,000	\$251,091.46	\$158,656.25	\$92,435.21	\$235,372.71	\$138,515.63	\$96,857.08	(\$15,718.75)	-6.3%
7,500	2,250,000	\$367,601.88	\$237,984.38	\$129,617.50	\$344,023.75	\$207,773.44	\$136,250.31	(\$23,578.13)	-6.4%
10,000	3,000,000	\$484,112.29	\$317,312.50	\$166,799.79	\$452,674.79	\$277,031.25	\$175,643.54	(\$31,437.50)	-6.5%
20,000	6,000,000	\$950,153.96	\$634,625.00	\$315,528.96	\$887,278.96	\$554,062.50	\$333,216.46	(\$62,875.00)	-6.6%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge (1)	kW x	\$3.22
Transmission Energy Charge (3)	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge	kWh x	\$0.00120
Transition Energy Charge (7)	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (5)	kWh x	\$0.00233
Gross Earnings Tax		4%
Standard Offer Charge (9)	kWh x	\$0.10154

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge (2)	kW x	\$3.22
Transmission Energy Charge (4)	kWh x	\$0.01379
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge	kWh x	\$0.00120
Transition Energy Charge (8)	kWh x	(\$0.00058)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (5)	kWh x	\$0.00241
Gross Earnings Tax		4%
Standard Offer Charge (10)	kWh x	\$0.08865

Note (1): includes the current Transmission Demand Charge of \$3.22/kW

Note (2): includes the proposed Transmission Demand Charge of \$3.22/kW

Note (3): includes the Base Transmission Charge of 0.913¢/kWh, the Transmission Adjustment Factor of 0.309¢/kWh and the Transmission Uncollectible Factor of 0.025¢/kWh

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

Hours Use: 400

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	1,200,000	\$197,445.63	\$126,925.00	\$70,520.63	\$184,870.63	\$110,812.50	\$74,058.13	(\$12,575.00)	-6.4%
5,000	2,000,000	\$317,028.96	\$211,541.67	\$105,487.29	\$296,070.63	\$184,687.50	\$111,383.13	(\$20,958.33)	-6.6%
7,500	3,000,000	\$466,508.13	\$317,312.50	\$149,195.63	\$435,070.63	\$277,031.25	\$158,039.38	(\$31,437.50)	-6.7%
10,000	4,000,000	\$615,987.29	\$423,083.33	\$192,903.96	\$574,070.63	\$369,375.00	\$204,695.63	(\$41,916.66)	-6.8%
20,000	8,000,000	\$1,213,903.96	\$846,166.67	\$367,737.29	\$1,130,070.63	\$738,750.00	\$391,320.63	(\$83,833.33)	-6.9%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge (1)	kW x	\$3.22
Transmission Energy Charge (3)	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge	kWh x	\$0.00120
Transition Energy Charge (7)	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (5)	kWh x	\$0.00233
Gross Earnings Tax		4%
Standard Offer Charge (9)	kWh x	\$0.10154

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge (2)	kW x	\$3.22
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Gross Earnings Tax		4%
Standard Offer Charge (10)	kWh x	\$0.08865

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Note (2): includes the proposed Transmission Demand Charge of \$3.22/kW

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

Hours Use: 500

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	1,500,000	\$237,008.13	\$158,656.25	\$78,351.88	\$221,289.38	\$138,515.63	\$82,773.75	(\$15,718.75)	-6.6%
5,000	2,500,000	\$382,966.46	\$264,427.08	\$118,539.38	\$356,768.55	\$230,859.38	\$125,909.17	(\$26,197.91)	-6.8%
7,500	3,750,000	\$565,414.38	\$396,640.63	\$168,773.75	\$526,117.50	\$346,289.06	\$179,828.44	(\$39,296.88)	-7.0%
10,000	5,000,000	\$747,862.30	\$528,854.17	\$219,008.13	\$695,466.46	\$461,718.75	\$233,747.71	(\$52,395.84)	-7.0%
20,000	10,000,000	\$1,477,653.96	\$1,057,708.33	\$419,945.63	\$1,372,862.29	\$923,437.50	\$449,424.79	(\$104,791.67)	-7.1%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge (1)	kW x	\$3.22
Transmission Energy Charge (3)	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge	kWh x	\$0.00120
Transition Energy Charge (7)	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (5)	kWh x	\$0.00233
Gross Earnings Tax		4%
Standard Offer Charge (9)	kWh x	\$0.10154

Proposed Rates

Customer Charge		\$17,000.00
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Calculation of Monthly Typical Bill  
Total Bill Impact of Proposed  
Rates Applicable to G-62 Rate Customers

Hours Use: 600

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	1,800,000	\$276,570.63	\$190,387.50	\$86,183.13	\$257,708.13	\$166,218.75	\$91,489.38	(\$18,862.50)	-6.8%
5,000	3,000,000	\$448,903.96	\$317,312.50	\$131,591.46	\$417,466.46	\$277,031.25	\$140,435.21	(\$31,437.50)	-7.0%
7,500	4,500,000	\$664,320.63	\$475,968.75	\$188,351.88	\$617,164.38	\$415,546.88	\$201,617.50	(\$47,156.25)	-7.1%
10,000	6,000,000	\$879,737.29	\$634,625.00	\$245,112.29	\$816,862.29	\$554,062.50	\$262,799.79	(\$62,875.00)	-7.1%
20,000	12,000,000	\$1,741,403.96	\$1,269,250.00	\$472,153.96	\$1,615,653.96	\$1,108,125.00	\$507,528.96	(\$125,750.00)	-7.2%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge (1)	kW x	\$3.22
Transmission Energy Charge (3)	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge	kWh x	\$0.00120
Transition Energy Charge (7)	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.01107
Renewable Energy Distribution Charge (5)	kWh x	\$0.00233
Gross Earnings Tax		4%
Standard Offer Charge (9)	kWh x	\$0.10154

Proposed Rates

Customer Charge		\$17,000.00
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Distribution Energy Charge	kWh x	\$0.00120
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Energy Efficiency Program Charge	kWh x	\$0.01107
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Note (10): includes the base Standard Offer Service Charge of 9.627¢/kWh, the proposed Standard Offer Service Adjustment Charge of (1.427¢)/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.371¢/kWh and the Renewable Energy Standard Charge of 0.294¢/kWh



**Testimony of  
Tiffany M. Forsyth**

**THE NARRAGANSETT ELECTRIC COMPANY  
D/B/A NATIONAL GRID  
RIPUC DOCKET NO. \_\_\_\_  
2016 ELECTRIC RETAIL RATE FILING  
WITNESS: TIFFANY M. FORSYTH**

**PRE-FILED DIRECT TESTIMONY  
OF  
TIFFANY M. FORSYTH**

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**I. Introduction and Qualifications**

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

A. My name is Tiffany M. Forsyth. My business address is 1 Metrotech Center, Brooklyn, New York 11201.

**Q. By whom are you employed and in what capacity?**

A. I currently hold the position of Director in Regulation and Pricing for National Grid USA Service Company, Inc. (Service Co). Service Co. is a subsidiary of National Grid USA. My duties include performing rate-related services for The Narragansett Electric Company d/b/a National Grid (Narragansett or Company).

**Q. Please describe your educational and professional background.**

A. I graduated from St. Francis College in Brooklyn, New York with a Bachelor of Science degree in Accounting and Business Management and from Baruch College in New York, New York with a Master of Business Administration in Finance. I have been with National Grid USA for eleven years. As Director in the Regulation and Pricing Department, my responsibilities include supporting New England Power Company's (NEP's) transmission rates. Additionally, I am involved in most New England transmission-related pricing matters impacting the Company, including supporting the Company's current Transmission Service Cost Adjustment before the Rhode Island Public Utilities Commission (PUC).

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

2   A.     Yes, I have.

3  
4   **II.     Purpose of Testimony**

5   **Q.     What is the purpose of your testimony?**

6   A.     My testimony addresses the estimated 2016 transmission expenses, including  
7           administrative expenses of the Independent System Operator, New England (ISO-NE),  
8           for Narragansett. First, I will summarize the various transmission services provided to  
9           Narragansett and how Narragansett pays for such services. Second, I will provide  
10          testimony supporting the forecast of transmission expenses that Narragansett is expected  
11          to incur in 2016, which is summarized in Schedule TMF-1. As described more fully in  
12          the second part of my testimony, the Company expects to see an increase of \$21,658,691  
13          in prospective transmission expenses compared to the forecast provided for calendar year  
14          2015 in RIPUC Docket Nos. 4554 and 4490.

15  
16   **III.    Summary of Transmission Services Provided to Narragansett**

17   **Q.     Please explain the history of transmission service provided to Narragansett under**  
18          **rate schedules approved by the Federal Energy Regulatory Commission (FERC).**

19   A.     Effective January 1, 1998, Narragansett began receiving transmission services, on behalf  
20          of its entire customer base, under two tariffs: NEPOOL's FERC Electric Tariff No. 1  
21          (NEPOOL Tariff) and NEP's FERC Electric Tariff No. 9 (NEP T-9 Tariff).

1        Additionally, effective January 1, 1999, Narragansett began taking service under ISO-  
2        NE's FERC Electric Tariff No. 1 (ISO-NE Tariff).

3  
4        Effective February 1, 2005, FERC issued an order authorizing ISO-NE to begin operating  
5        as a Regional Transmission Operator (RTO, ISO as the RTO), and at that time, ISO-NE  
6        replaced NEPOOL as the transmission provider in New England. The new ISO-NE  
7        Transmission, Markets and Services Tariff (ISO/RTO Tariff) replaced the three separate  
8        tariffs referred to above by aggregating them into a single, omnibus tariff. As a result,  
9        NEP and ISO as the RTO now charge Narragansett under the ISO/RTO Tariff.

10  
11       The prospective charges to Narragansett, therefore, are separately identified as (1) NEP  
12       local charges, (2) ISO-NE regional charges (formerly NEPOOL), and (3) ISO/RTO  
13       administrative charges.

14  
15    **Q.    Please describe further the types of transmission services that are billed to**  
16    **Narragansett under the ISO/RTO Tariff.**

17    A.    New England's transmission rates utilize a highway/local pricing structure. That is,  
18        Narragansett receives regional transmission service over "highway" transmission  
19        facilities under Section II of the ISO/RTO Tariff, and receives local transmission service  
20        over local transmission facilities under Schedule 21 of the ISO/RTO Tariff. Additionally,

1 transmission scheduling and market administration services are provided by ISO-NE  
2 under Section IV.A of the ISO/RTO Tariff.  
3

4 **Explanation of ISO/RTO Tariff Services, Rates, and Charges**

5 **Q. Please explain the services provided to Narragansett under the ISO/RTO Tariff.**

6 A. Section II of the ISO/RTO Tariff provides access over New England's looped  
7 transmission facilities, more commonly known as Pool Transmission Facilities (PTF) or  
8 bulk transmission facilities. These facilities serve as New England's electric transmission  
9 "highway", and the service provided over these facilities is referred to as Regional  
10 Network Service (RNS). In addition, the ISO/RTO Tariff provides for Black Start,  
11 Reactive Power and Scheduling, System Control and Dispatch Services, as described  
12 more fully later in this testimony.  
13

14 **Q. How are the costs for RNS recovered?**

15 A. The ISO-NE RNS Rate (RNS Rate) recovers the RNS costs, and is determined annually  
16 based on an aggregation of the transmission revenue requirements of each of the  
17 transmission owners in New England, calculated in accordance with a FERC-approved  
18 formula. Pursuant to a NEPOOL Settlement dated April 7, 1999, which was incorporated  
19 into the ISO/RTO Tariff, the RNS Rate has transitioned from zonal rates to a single,  
20 "postage stamp" rate in New England.  
21

1   **Q.     Please describe the ISO-NE Black Start, Reactive Power and Scheduling, System**  
2       **Control and Dispatch Services that are included in the ISO/RTO Tariff.**

3   A.   ISO-NE Black Start Service, also known as System Restoration and Planning Service  
4       from Generators, is necessary to ensure the continued reliable operation of the New  
5       England transmission system. This service allows for the designation of generators with  
6       the capability of supplying load and ability to start without an outside electrical supply to  
7       re-energize the transmission system following a system-wide blackout.

8  
9       Reactive Power Service, also known as Reactive Supply and Voltage Control from  
10      Generation Sources Service, is necessary to maintain transmission voltages on the ISO-  
11      NE transmission system within acceptable limits and requires that generation facilities be  
12      operated to produce or absorb reactive power. This service must be provided for each  
13      transaction on the ISO-NE transmission system. The amount of reactive power support  
14      that must be supplied for transactions is based on the support necessary to maintain  
15      transmission voltages within limits generally accepted and is consistently sustained in the  
16      region.

17  
18      Lastly, Scheduling, System Control and Dispatch Service (Scheduling & Dispatch  
19      Service) consists of the services required to schedule the movement of power through,  
20      out of, within, or into the ISO-NE Control Area over the PTF and to maintain System



1 Control. Scheduling & Dispatch Service also provides for the recovery of certain charges  
2 that reflect expenses incurred in the operation of satellite dispatch centers.  
3

4 **Q. How are the ISO-NE charges for Black Start and Reactive Power assessed to**  
5 **Narragansett?**

6 A. ISO-NE assesses charges for Black Start and Reactive Power Services to Narragansett  
7 each month based on Narragansett's proportionate share of its network load to ISO-NE's  
8 total load. The monthly Black Start charge includes payments from the ISO-NE for  
9 Critical Infrastructure Protection (CIP) credits applicable to Black Start Generators.  
10 CIP credits are made to existing Black Start Generators based upon proxy costs in  
11 compliance with the CIP standards of the North American Electric Reliability Corporation  
12 (NERC). Black Start CIP Credits are applicable to Black Start Generators that are  
13 designated by ISO-NE as Northeast Power Coordinating Council (NPCC) Key Facilities  
14 and provide annual confirmation to the ISO that they are incurring CIP Costs. The  
15 allocation of Black Start CIP charges are based similarly on Narragansett's proportionate  
16 share of its Regional Network Load.  
17

18 **Q. How are the charges for Scheduling & Dispatch Services assessed to Narragansett?**

19 A. Charges for Scheduling & Dispatch Service are based on the expenses incurred by ISO-  
20 NE and by the individual transmission owners in the operation of local control dispatch  
21 centers or otherwise to provide Scheduling & Dispatch Service.

1 The expenses incurred by ISO-NE in providing these services are recovered under  
2 Section IV.A, Schedule 1 of the Transmission, Markets and Services Tariff. These costs  
3 are allocated to Narragansett each month based on the FERC-approved fixed rate for the  
4 month multiplied by Narragansett's monthly Network Load.

5  
6 The costs incurred by the individual transmission owners in providing Scheduling &  
7 Dispatch Service over PTF facilities, including the costs of operating local control  
8 centers, are recovered under Section II, Schedule 1 of the Open Access Transmission  
9 Tariff (OATT). These costs are allocated to Narragansett each month based on a formula  
10 rate that is determined each year based on the prior year's costs incurred multiplied by  
11 Narragansett's monthly Network Load.

12  
13 The costs of Scheduling & Dispatch Service for transmission service over transmission  
14 facilities other than PTF are charged under Schedule 21 of the OATT. Thus, there are  
15 three types of Scheduling & Dispatch Service costs that are similar, but are charged to  
16 Narragansett through three different tariff mechanisms.

17  
18 **Q. What administrative services and/or charges flow through to Narragansett under**  
19 **Section IV.A of the ISO/RTO Tariff?**

20 **A.** There are five different charges that flow through to Narragansett under Section IV.A of  
21 the ISO/RTO Tariff under Schedule 1, Schedule 2, Schedule 3, Schedule 4, and Schedule

1        5. Schedule 1 provides for one component of the administration of Scheduling &  
2        Dispatch, as described in the preceding section of my testimony. Schedule 2 Energy  
3        Administrative Service includes the core operation of the Energy Market, generation  
4        dispatch, and energy accounting. Schedule 3 Reliability Administrative Service  
5        administers the reliability markets and provides other reliability and informational  
6        services. Schedule 4 of the ISO/RTO Tariff provides for the collection of FERC Annual  
7        Charges. Under Schedule 5, ISO-NE acts as the billing and collection agent for the New  
8        England States Committee on Electricity's (NESCOE's) annual budget.

9  
10    **Q.    Please explain the background behind the inclusion of the NESCOE charges under**  
11    **Schedule 5 of the ISO/RTO Tariff, Section IV.A.**

12    A.    NESCOE was established by a memorandum of understanding between ISO-NE and  
13        NEPOOL and approved by FERC for funding through the ISO/RTO Tariff in the fall of  
14        2007. NESCOE created a formal role for the six New England states' participation on an  
15        ongoing basis in the decision-making process of the RTO. NESCOE represents the  
16        policy perspectives of the New England Governors and their collective interests in  
17        promoting a regional electric system that ensures the lowest reasonable long-term costs  
18        for customers while maintaining reliable service and environmental quality.

19  
20    **Q.    How are the ISO/RTO Tariff charges assessed?**

21    A.    ISO-NE assesses the charges in Section IV.A, excluding Schedule 4, based upon stated

1 rates pursuant to the ISO/RTO Tariff. These stated rates are adjusted annually when  
2 ISO-NE files a revised budget and cost allocation proposal to become effective January 1  
3 each year. Narragansett is charged the stated rate for these services as part of ISO-NE's  
4 monthly billing process, based on its network load for Schedule 1 and Schedule 5  
5 charges.

6  
7 The ISO-NE budget and cost allocation proposal filed October 16, 2015 reported the net  
8 revenue requirement for Schedule 1 of \$46,048,796. As a result, ISO Schedule 1 rate was  
9 set at \$0.19275 per KW/month for all regional network customers and at \$0.00026 per  
10 KW for each hour of service for transmission customers receiving through or out service.  
11 The total fiscal year 2016 NESCOE budget for Schedule 5 charges is \$2,200,259, which  
12 is offset by a credit true-up for actual costs and collections in prior years of \$1,493,842,  
13 for a total net NESCOE Revenue Requirement of \$706,417. NESCOE's per KW/month  
14 charge for 2016 is set at \$0.00296.

15  
16 The allocation of Schedule 2 charges is based upon various billing units. The rates under  
17 ISO Schedule 2 are adjusted annually effective January 1 of each year based on the net  
18 revenue requirement. The 2016 net revenue requirement for Schedule 2 is \$83,373,310.  
19 Charges assessed to the Company under ISO Schedule 2 are recovered through the  
20 Standard Offer Service charge and base distribution rates depending on the type of  
21 transaction.

1 Schedule 3 charges for market participants are based on the participant's real-time Non-  
2 Coincident Peak (NCP) load obligations for the month. Market Participants who have  
3 exports will be charged based on their megawatts of exports in the month. The rates  
4 under ISO Schedule 3 are adjusted annually effective January 1 of each year based on the  
5 net revenue requirement. The 2016 net revenue requirement for Schedule 3 is  
6 \$56,107,371. The 2016 Real-Time NCP Load Obligation rate is \$0.20313 per kilowatt-  
7 month. The 2016 export rate is \$0.40 per MWh. In 2015, Narragansett received charges  
8 under the Real-Time NCP Load Obligation rate based on its monthly NCP load  
9 obligation. Charges under Schedule 3 were assessed to the Company in prior years but  
10 were not included in the transmission expense forecast. These charges are included in the  
11 2016 forecast to provide greater visibility of the ISO-NE administrative charges assessed  
12 to the Company.

13  
14 Schedule 4 charges are based upon FERC's total assessment to the New England Control  
15 Area, and are directly assessed to NEP based on its proportion of total MWhs of  
16 transmission (including Narragansett's) to the total of the New England Control Areas'  
17 total MWhs. NEP, in turn, allocates a portion of the charges received under Schedule 4  
18 to Narragansett through Schedule 21-NEP.

19

**Explanation of Schedule 21-NEP Tariff Services and Charges**

**Q. What services are provided to Narragansett under Schedule 21-NEP of the ISO/RTO Tariff?**

A. Schedule 21-NEP provides service over NEP's local, non-highway transmission facilities, considered Non-PTF facilities (Non-PTF). The service provided over the Non-PTF is referred to as Local Network Service (LNS). NEP also provides metering, transformation and certain ancillary services (Other NEP Charges) to Narragansett to the extent such services are required by Narragansett and not otherwise provided under the ISO/RTO Tariff.

**Q. Please explain the components of "Other NEP Charges" to Narragansett under Schedule 21.**

A. Other NEP Charges are comprised of Scheduling and Dispatch charges and Transformer and Meter Surcharges. Each component is explained below.

Scheduling and Dispatch charges, as explained earlier in my testimony, are services required to schedule the movement of power through, out of, within, or into the ISO-NE Control Area over Non-PTF. Narragansett purchases this service from NEP. Charges to Narragansett are based on the Local Load Dispatch Surcharge. The Local Load Dispatch Surcharge equals NEP's monthly dispatching expenses, less any revenue received by

1 NEP from the ISO-NE for load dispatching services, multiplied by the Company's Local  
2 Network Load Ratio Share.

3  
4 NEP provides transformation service when a customer uses NEP-owned transformation  
5 facilities to step down voltages from 69 kV or greater to a distribution voltage. NEP  
6 provides metering service when a customer uses NEP-owned meter equipment to  
7 measure the delivery of transmission service. NEP separately surcharges the appropriate  
8 customers for these services.

9  
10 **Q. How are the costs for LNS recovered?**

11 A. NEP calculates its total transmission revenue requirement for PTF and Non-PTF pursuant  
12 to the FERC-approved formula included in Attachment RR to Schedule 21 – NEP of the  
13 ISO-NE OATT. The total revenue requirement is calculated and NEP credits the regional  
14 revenues collected by ISO-NE for PTF through the RNS rates against the total revenue  
15 requirement to determine the net amount to be collected via NEP's local rates. LNS rates  
16 are charged monthly to local network load on a load ratio share basis.

17  
18 **IV. Estimated Transmission Expenses**

19 **Q. What is the forecast for Narragansett's transmission and ISO expenses for 2015?**

20 A. The Company estimates the total transmission and ISO-NE expenses (including certain  
21 ancillary services) for 2016 to be approximately \$178.15 million, as shown in Schedule

1 TMF-1, page 1. This equates to an increase of \$ 21.66 million or 13.84% under the  
2 estimated expenses underlying Narragansett's 2015 transmission rates, as shown on page  
3 2 of the same schedule.  
4

5 **Q. Have you estimated the charges to Narragansett under Schedule 21 of the**  
6 **ISO/RTO Tariff?**

7 A. Yes. Lines 1 through 2 of Schedule TMF-1, page 1 show the amount of forecasted  
8 charges from NEP pursuant to the LNS tariff. The total amount of expenses is \$35.28  
9 million. Schedule TMF-6 shows the calculation of the total NEP revenue requirement.  
10 NEP allocates Non-PTF expenses to Narragansett's customers on a load ratio share basis,  
11 as shown in Schedule TMF-5, column (1). Metering and transformation charges are  
12 based on forecasted rates and are assessed to Narragansett based on a per meter and peak  
13 load basis, respectively.  
14

15 **Q. How have the PTF Component of the ISO Charges shown on line 3 of Schedule**  
16 **TMF-1, page 1 been forecasted?**

17 A. The ISO Charges shown on line 3 of Schedule TMF-1, page 1 have been forecasted using  
18 two components: 1) the most recent 12 months of monthly PTF kW Load per the  
19 Monthly Regional Network Load Report posted on the ISO-NE website and 2) actual and  
20 forecasted annual RNS rates for the respective months. The monthly load is multiplied



1 by the annual rate and divided by 12 to obtain the monthly PTF Demand Charge. The  
2 resulting calculation is shown in column 2 of Schedule TMF-2, page 1.

3  
4 For the most recent 12 months of PTF kW Load, the period of January 2015 through  
5 December 2015 were used. For the estimated PTF rate, two different rates have been  
6 utilized (see Schedule TMF-3). For April 2016 through May 2016, the actual annual rate  
7 effective for this period of \$98.70 was used. For June 2016 through March 2017, the  
8 forecasted annual rate of \$104.98 was used. The actual and forecasted annual rates  
9 reflect the FERC ordered base ROE of 10.57% with a total or maximum ROE including  
10 incentives not to exceed 11.74% effective October 16, 2014. Schedule TMF-3 shows  
11 how the Company has determined the forecasted rate and reflects the forecasted PTF  
12 additions across New England, as estimated by the New England transmission owners, to  
13 be included in the annual formula rate effective June 1, 2016.

14  
15 **Q. Schedule TMF-1 also includes estimated ISO-NE charges for Scheduling and**  
16 **Dispatch. How were these costs forecasted, as shown?**

17 A. The estimate for Scheduling and Dispatch Service as shown in column (3) of Schedule  
18 TMF-2, page 1, was derived by using the currently effective OATT Schedule 1 rate of  
19 \$1.60933 per kW-year, divided by 12, and further multiplied by Narragansett's monthly  
20 network load as shown in column (1) of Schedule TMF-2, page 1. The Company  
21 estimates \$2.09 million to be allocated to it for 2016.

1 **Q. How did you forecast the Black Start costs shown on line 5 of Schedule TMF-1, page**  
2 **1?**

3 A. The Black Start costs shown on line 5 of Schedule TMF-1, page 1, were forecasted based  
4 on the most recent 12 months of actual ISO-NE charges to the Company. Using this  
5 methodology, the Company estimates \$0.92 million to be allocated to it for 2016.  
6

7 **Q. How did you calculate the estimate for Reactive Power costs for Narragansett shown**  
8 **on line 6 of Schedule TMF-1, page 1?**

9 A. The estimated Reactive Power cost for the New England region was calculated by using  
10 the January through December 2015 actual ISO-NE settlement reports as shown on  
11 Schedule TMF-4 (line 1). The annual rate was determined by dividing the total Reactive  
12 Power costs charged in the region for that 12-month historic period by the ISO-NE's  
13 2014 Network Load. The monthly rate (annual rate divided by 12) was then multiplied  
14 by Narragansett's monthly network load to determine the estimated charges for Reactive  
15 Power Service. Using this methodology, the Company estimates \$1.46 million to be  
16 allocated to it for 2016.  
17

18 **Q. Can you please explain the forecast of the ISO-NE charges shown in lines 7 through**  
19 **9 of Schedule TMF-1, page 1?**

20 A. Yes. The basis for these costs has been previously described earlier in this testimony.

21 Line 7 shows the 2016 forecast of charges to Narragansett under Schedule 1, Scheduling

1 and Load Dispatch Administrative schedules through Section IV.A of the ISO/RTO  
2 Tariff. The estimate is based on the ISO-NE revenue requirement for Schedule 1 filed  
3 each year with FERC. ISO-NE filed its proposed 2016 revenue requirement with FERC  
4 on October 16, 2015. To estimate Narragansett's 2016 ISO-NE Schedule 1 charges, ISO-  
5 NE's Schedule 1 actual costs for the periods December 2014 through November 2015 are  
6 adjusted by an inflationary factor shown on line 16 of Schedule TMF-2, page 2. This  
7 inflationary factor is intended to recognize the increase or decrease in ISO-NE's Schedule  
8 3 net revenue requirement and the associated components of that revenue requirement  
9 from the budget as filed for the previous year.

10  
11 Line 8 of Schedule TMF-1, page 1 shows the estimated 2016 ISO Schedule 3 Reliability  
12 Administrative Service charges through Section IV.A of the ISO/RTO Tariff. The  
13 estimate is based on the ISO-NE Schedule 3 Real-Time Non-Coincidental Peak Load  
14 Obligation annual rate set each year by the ISO-NE. The annual rate was filed with ISO-  
15 NE Capital Budget and Revised Tariff Sheets for Recovery of 2016 Administrative Costs  
16 with FERC on October 16, 2015. The estimated 2016 charge to Narragansett's was  
17 calculated using the actual Narragansett's ISO Schedule 3 charges for the periods  
18 December 2014 through November 2015 adjusted by the inflationary factor shown on  
19 Line 19 of Schedule TMF-2, page 2. The inflationary factor represents the change in the  
20 2016 ISO Schedule 3 Non-Coincidental Peak Load Obligation rate from the previous  
21 year.

Line 9 of Schedule TMF-1, page 1 shows the estimated 2016 NESCOE charges under Schedule 5 of Section IV.A of the ISO/RTO Tariff. For calendar year 2016, each customer that is obligated to pay the RNS rate pays each month an amount equal to the product of \$0.00296/kW-month multiplied by its monthly network load for that month. These charges are shown in Column (3) of Schedule TMF-2, page 2. For 2016, the Company's total amount of direct ISO/RTO Tariff charges under Section IV.A, Schedules 1, 3, and 5, are estimated to be \$3.13 million.

**Q. What is the sub-total of transmission expenses attributable to charges from the ISO-NE?**

A. The sub-total of ISO-NE charges is \$142.88 million, which is the sum of lines 3 through 9 on Schedule TMF-1, page 1.

**V. Explanation of Primary Changes from Last Year's Forecasted Expenses**

**Q. What is the impact as a result of Narragansett's 2016 transmission expenses?**

A. The estimated 2016 Narragansett transmission and ISO-NE expenses of \$178.15 million represents a net increase of \$21.66 million from the 2015 forecast of transmission expenses. This total increase is primarily due to an increase in the forecasted ISO charges of \$17.98 million. The increase of \$17.98 million in ISO charges is being driven by an increase in PTF Demand Charges of \$14.86 million. The PTF Demand Charge increase is related to the 11% increase in the RNS Schedule 9 rate. The estimated RNS

1 rate effective through May 2017 is higher as a result of higher transmission revenue  
2 requirements by the New England transmission owners based on forecasted PTF  
3 transmission plant investment expected to go “in-service” in 2016 across New England.  
4

5 In addition, Narragansett does not expect any Refund/Resettlement charges in 2016  
6 forecast period. As a result, the year over year comparison of forecasted transmission  
7 expense reflects an increase of \$4.03 million, of which \$1.01 million is related to 2015  
8 estimated NEP Refund Charges and \$3.02 million related to 2015 estimated ISO  
9 Resettlement Charges.  
10

11 **Q. What PTF plant investment is driving the increase in the ISO-NE RNS rate**  
12 **forecasted to be in effect June 1, 2016?**

13 A. The projected RNS rate increase is due to a significant amount of capital additions  
14 forecasted by the transmission owners expected to go into service in 2016. Schedule  
15 TMF-3 Line 2 reflects an estimated \$748.00 million of PTF plant additions for 2016 as  
16 provided by the transmission owners. This number was presented by the transmission  
17 owners at the summer meeting of the NEPOOL Reliability Committee/Transmission  
18 Committee.  
19

20 **Q. What are the major projects driving the significant level of projected PTF plant**  
21 **additions for 2016?**

1     A.     Based on the Company's review of the ISO-NE Regional System Plan, the two largest  
2           transmission projects in New England with a portion expected to be placed in service  
3           during 2016 are: (1) Eversource's Pittsfield Greenfield Project, and (2) NSTAR's New  
4           Electric Ave SS & Line Project.

5

6     **VI.   Conclusion**

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

8     A.     Yes.



**Exhibits**

Schedule TMF-1	Summary of Transmission Expenses Estimated for the Year 2016
Schedule TMF-2	Summary of ISO Charges Estimated for the Year 2016
Schedule TMF-3	PTF Rate Calculation Estimated for the Year 2016
Schedule TMF-4	Summary of Reactive Power Costs Estimated for the Year 2016
Schedule TMF-5	Summary of New England Power Schedule - No. 21 Charges Estimated for the Year 2016
Schedule TMF-6	Non-PTF Revenue Requirement Estimated for the Year 2016





The Narragansett Electric Company  
Summary of Transmission Expenses  
Estimated for the Year 2016

<u>Line #</u>			
	<b>NEP Charges</b>		
1	Non-PTF	34,823,146	
2	Other NEP Charges	451,891	
	<i>Sub-Total NEP Charges</i>		\$35,275,038
	<b>ISO Charges</b>		
3	PTF	135,274,142	
4	Scheduling & Dispatch	2,091,045	
5	Black Start	923,415	
6	Reactive Power	1,457,844	
	<i>Sub-Total ISO-NE Charges</i>		\$139,746,446
	<b>ISO-NE Administrative Charges</b>		
7	Schedule 1 - Scheduling & Dispatch	2,895,142	
8	Schedule 3 - Reliability Administration Service	188,658	
9	Schedule 5 - NESCOE	46,152	
	<i>Sub-Total ISO-NE Admin Charges</i>		\$3,129,952
10	<b>Total Expenses Flowing Through Current Rates</b>		<b>\$178,151,436</b>

Line 1 = TMF-5: Column (2), Line 13  
Line 2 = TMF-5: Sum of Column (3) through (5), Line 13  
Line 3 = TMF-2, Pg 1: Column (2), Line 13  
Line 4 = TMF-2, Pg 1: Column (3), Line 13  
Line 5 = TMF-2, Pg 1: Column (4), Line 13  
Line 6 = TMF-2, Pg 1: Column (5), Line 13  
Line 7 = TMF-2, Pg 2: Column (1), Line 13  
Line 8 = TMF-2, Pg 2: Column (2), Line 13  
Line 9 = TMF-2, Pg 2: Column (3), Line 13  
Line 10 = Sum of Lines 1 through 9

The Narragansett Electric Company  
Summary of Transmission Expenses  
2015 vs. 2016 Filing Years

<u>Line #</u>		<b>February 2015 Retail Filing</b>	<b>February 2016 Retail Filing</b>	<b>Yr/Yr Incr/(Decr)</b>
	<b>NEP Charges</b>			
1	Non-PTF	\$ 33,236,569	\$ 34,823,146	\$ 1,586,577
2	Other NEP Charges	(131,003)	451,891	\$ 582,894
3	Refund Charges	(1,016,281)	-	\$ 1,016,281
4	<i>Subtotal</i>	<b>\$ 32,089,285</b>	<b>\$ 35,275,038</b>	<b>\$ 3,185,752</b>
	<b>ISO Charges</b>			
5	PTF	\$ 120,411,979	\$ 135,274,142	\$ 14,862,163
6	Scheduling & Dispatch	2,108,615	2,091,045	(17,570)
7	Black Start	883,699	923,415	39,716
8	Reactive Power	1,378,968	1,457,844	78,876
9	Resettlement Charges	(3,017,660)	-	3,017,660
10	<i>Subtotal</i>	<b>\$ 121,765,601</b>	<b>\$ 139,746,446</b>	<b>\$ 17,980,845</b>
	<b>ISO Administrative</b>			
11	Schedule 1 - Scheduling & Dispatch	\$ 2,637,859	\$ 2,895,142	\$ 257,283
12	Schedule 3 - Reliability Administration Service	\$ -	\$ 188,658	\$ 188,658
13	Schedule 5 - NESCOE	-	46,152	46,152
14	<i>Subtotal</i>	<b>\$ 2,637,859</b>	<b>\$ 3,129,952</b>	<b>\$ 492,093</b>
15	<b>Total Expenses</b>	<b>\$ 156,492,745</b>	<b>\$ 178,151,436</b>	<b>\$ 21,658,691</b>



The Narragansett Electric Company  
Summary of ISO Charges  
Estimated for the Year 2016

Line #	Period	(1) Monthly PTF kW Load	(2) PTF Demand Charge	(3) Scheduling & Dispatch	(4) Black Start	(5) Reactive Power	(6) Total ISO
1	April	1,005,500	\$8,270,238	\$134,848	\$74,408	\$94,014	\$8,573,508
2	May	1,152,219	9,477,001	154,525	72,174	107,732	9,811,432
3	June	1,402,570	12,270,150	188,100	81,442	131,140	12,670,832
4	July	1,672,125	14,628,307	224,250	90,356	156,344	15,099,257
5	August	1,715,402	15,006,908	230,054	93,064	160,390	15,490,416
6	September	1,664,236	14,559,291	223,192	89,456	155,606	15,027,545
7	October	1,051,016	9,194,638	140,953	83,703	98,270	9,517,564
8	November	1,106,747	9,682,192	148,427	80,393	103,481	10,014,493
9	December	1,095,694	9,585,496	146,944	65,095	102,447	9,899,982
10	January	1,281,850	11,214,051	171,910	64,565	119,853	11,570,379
11	February	1,264,867	11,065,478	169,632	65,022	118,265	11,418,397
12	March	1,179,698	10,320,391	158,210	63,737	110,302	10,652,640
13	<b>12-Mo Total</b>	<b>15,591,924</b>	<b>\$135,274,142</b>	<b>\$2,091,045</b>	<b>\$923,415</b>	<b>\$1,457,844</b>	<b>\$139,746,446</b>

Line 1-12: Column (1) = ISO-NE Monthly Regional Network Load Reports January- December 2015

Line 1-2: Column (2) = TMF-3, Line 1 \* Column (1) / 12

Line 3-12: Column (2) = TMF-3, Line 6 \* Column (1) / 12

Line 1-12: Column (3) = Current Rate \* Column (1) / 12      Rate = **1.60933**

Line 1-12: Column (4) = Monthly ISO Billing actuals for periods January - November 2015 and December 2014, includes Schedule 16 CIP charges.

Line 1-12: Column (5) = TMF-4, Line 4 \* Column (1)

Line 1-12: Column (6) = Sum of Columns (2) through (5)

Line 13 = Sum of Line 1 through Line 12

The Narragansett Electric Company  
Summary of ISO-NE Administrative Expenses  
Estimated for the Year 2016

Line#	Period	(1) Schedule 1 Scheduling & Dispatch	(2) Schedule 3 Reliability Administration Service	(3) Schedule 5 NESCOE	(4) Total ISO-NE Admin Charges
1	April	\$182,227	\$12,007	\$2,976	\$197,210
2	May	209,393	12,532	3,411	225,336
3	June	254,381	16,228	4,152	274,761
4	July	307,797	20,530	4,949	333,276
5	August	315,174	20,576	5,078	340,828
6	September	307,845	20,495	4,926	333,266
7	October	193,287	11,612	3,111	208,010
8	November	205,358	12,670	3,276	221,304
9	December	227,771	15,223	3,243	246,237
10	January	238,357	16,254	3,794	258,405
11	February	234,850	15,872	3,744	254,466
12	March	218,702	14,659	3,492	236,853
13	<b>Totals</b>	<b>\$2,895,142</b>	<b>\$188,658</b>	<b>\$46,152</b>	<b>\$3,129,952</b>
ISO-NE Schedule 1 Net Revenue Requirement:					
14	2015	\$37,940,742			
15	2016	\$46,048,796			
16	% Change	21.37%			
ISO-NE Schedule 3 Real-Time NCP Load Obligation Rates:					
17	2015	\$0.18763			
18	2016	\$0.20313			
19	% Change	8.26%			

Line 1-12: Column (1) = Monthly ISO Billing actuals for periods January - November 2015 and December 2014 actuals \* (1+ Line 16)  
Line 1-12: Column (2) = Monthly ISO Billing actuals for periods January - November 2015 and December 2014 actuals \* (1+ Line 19)  
Line 1-12: Column (3) = Estimates based on Monthly PTF load (TMF-2 Page 1 Column (1))\* 2016 charge of **\$0.00296** per kW-mo based on the October 16, 2015 ISO NESCOE Budget Filing (Docket ER16-93-000)  
Line 1-12: Column (4) = Sum of Columns (1) through (3)  
Line 13 = Sum of Line 1 through Line 12  
Line 14 = ISO-NE Proposed Schedule 1 ISO Net Revenue Requirement (Year 2015) based on the 10/16/14 FERC filing (Docket er15-112-000)  
Line 15 = ISO-NE Proposed Schedule 1 ISO Net Revenue Requirement (Year 2016) based on the 10/16/15 FERC filing (Docket er16-92-000)  
Line 16 = (Line 15-Line 14) / Line 14  
Line 17 = ISO-NE Schedule 3 Real-Time Load Obligation Rate (Year 2015) based on the 10/16/14 FERC filing (Docket er15-112-000)  
Line 18 = ISO-NE Schedule 3 Real-Time Load Obligation Rate (Year 2016) based on the 10/16/15 FERC filing (Docket er16-92-000)  
Line 19 = (Line 18-Line 17) / Line 17



New England Power Company  
PTF Rate Calculation  
Estimated for the Year 2016

Line #

Development of Estimated PTF Rate:

1	Total Regional Network Service Rate through May 31, 2016	<div style="border: 1px solid black; padding: 2px;">\$98.70</div> /KW-YR
	<u>ESTIMATED Increase in ISO Rate Effective June 1, 2016</u>	
2	Total ESTIMATED PTO Plant Additions	\$ 748,000,000
3	x Estimated Carrying Charge	16.58%
4	/ 2014 ISO Network Load	19,763,032
5	Additional Estimated ISO Regional Network Service Rate	\$6.28 /KW-YR
6	Regional Network Service Rate in effect June 1, 2016 through May 31, 2017	<div style="border: 1px solid black; padding: 2px;">\$104.98</div> /KW-YR

Line 1 = ISO-NE Section II Open Access Transmission Tariff Rates Posting June 5, 2015

Line 2 = PTO Forecast RWG Presentation July 14-15, 2015 = Forecasted Plant Additions 2016

Line 3 = PTO Forecast RWG Presentation July 14-15, 2015 = Forecasted Revenue Requirement 2016 / Line 2

Line 4 = PTO Informational Filing dated July, 31 2015 Docket #RT04-2-000

Line 5 = Line 2 \* Line 3 / Line 4

Line 6 = Line 1 + Line 5





The Narragansett Electric Company  
Summary of Reactive Power Costs  
Estimated for the Year 2016

**Section I: Development of Reactive Power Estimate**

Line#

1	Estimated Total ISO Reactive Power Costs	\$22,173,612	
2	2014 ISO Network Load (KW)	19,763,032	
3	Estimated Rate / KW-Yr	\$1.1220	
4	Estimated Rate / KW-Mo	<table border="1"><tr><td>\$0.0935</td></tr></table>	\$0.0935
\$0.0935			

Line 1 = ISO Schedule 2 - VAR Status Summary Reports January - December 2015

Line 2 = 12 CP Network Loads from PTOAC Informational Filing dated July 31, 2015 Docket #RT04-2-000

Line 3 = Line 1 / Line 2

Line 4 = Line 3 / 12



The Narragansett Electric Company  
Summary of New England Power - Schedule No. 21 Charges  
Estimated for the Year 2016

Line #	Period	(1) Non- PTF Load Ratio % Share	(2) Non-PTF Demand Charge	(3) Scheduling & Dispatch	(4) Transformer Surcharge	(5) Meter Surcharge	(6) Total NEP Costs
1	April	25.21%	\$2,859,116	\$77,156	\$1,154	\$1,523	\$2,938,948
2	May	23.82%	2,701,473	53,835	1,154	1,523	2,757,985
3	June	26.41%	2,995,210	35,800	1,154	1,523	3,033,687
4	July	26.81%	3,040,575	33,143	1,154	1,523	3,076,395
5	August	27.99%	3,174,401	9,086	1,154	1,523	3,186,164
6	September	27.08%	3,071,196	778	1,154	1,523	3,074,651
7	October	25.83%	2,929,431	11,578	1,154	1,523	2,943,686
8	November	25.09%	2,845,506	62,027	1,154	1,523	2,910,210
9	December	24.41%	2,768,386	(77,029)	1,154	1,523	2,694,034
10	January	24.58%	2,787,666	73,963	1,154	1,523	2,864,306
11	February	24.89%	2,822,824	69,953	1,154	1,523	2,895,454
12	March	24.93%	2,827,360	69,481	1,154	1,523	2,899,518
13	<b>12- Mo Total</b>		<b>\$34,823,146</b>	<b>\$419,772</b>	<b>\$13,843</b>	<b>\$18,276</b>	<b>\$35,275,038</b>

Lines 1-12: Column (1) = Actual Monthly Network Load Files for January-December 2015

Lines 1-12: Column (2) = Column (1) \* Schedule TMF-6, Line 3 / 12

Lines 1-12: Column (3) = Actual Monthly Network Bills for January- December 2015

Lines 1-12: Column (4) & (5) = Forecasted rates through May 2017

Lines 1-12: Column (6) = Sum of Columns (2) through (5)

Line 13 = Sum of Line 1 through Line 12



New England Power Company  
Non-PTF Revenue Requirement  
Estimated for the Year 2016

**Section I:**

Line #

1	NEP's Schedule 21 Non-PTF Revenue Requirement	\$121,696,767
2	Adjustment for Forecasted 2016 Capital Additions	\$14,397,601
3	Estimated 2016 Non-PTF Revenue Requirement	<span style="border: 1px solid black;">\$136,094,368</span>
	<u>Adjustment for Year End 2016 Capital Additions</u>	
4	Estimated 2016 Transmission Plant Additions	\$89,985,005
5	Non-PTF Transmission Plant Carrying Charge	16%
6	Adjustment for Forecasted 2016 Capital Additions	\$14,397,601

**Section II:**

Transmission Plant Carrying Charge

7	NEP's Schedule 21 Revenue Requirement	\$121,696,767
8	Total Revenue Credit	\$381,501,274
9	Total Transmission Integrated Facilities Credit	(\$139,481,247)
10	Sub-Total Revenue Requirement	\$363,716,794
11	Total Transmission Plant	\$2,291,986,128
12	Non-PTF Transmission Plant Carrying Charge	16%

Line 1 = Adjusted NEP Schedule 21 Billing: January - December 2015

Line 2 = Line 6

Line 3 = Line 1 + Line 2

Line 4 = Estimated 2016 Non-PTF Transmission Plant Addition

Line 5 = Line 12

Line 6 = Line 4 \* Line 5

Line 7 through 9 = Adjusted NEP Schedule 21 Billing: January - December 2015

Line 10 = Sum of Line 7 through Line 9

Line 11 = NEP Schedule 21 Billing: December 2015

Line 12 = Line 10 / Line 11