

National Grid

2017 ELECTRIC RETAIL RATE
FILING

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

February 16, 2017

Submitted to:
Rhode Island Public Utilities Commission
RIPUC Docket No. 4691

Submitted by:

nationalgrid

**Testimony of
Adam S. Crary**

February 16, 2017

BY HAND DELIVERY AND ELECTRONIC MAIL

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

RE: Docket 4691 - 2017 Annual Retail Rate Filing

Dear Ms. Massaro:

I have enclosed ten (10) copies of National Grid's¹ 2017 Annual Retail Rate filing. This filing consists of rate adjustments arising out of the reconciliation of the Company's Standard Offer Service (SOS), SOS administrative costs, non-bypassable transition charge, transmission service, transmission-related uncollectible expense, Net Metering Charge, and Long-Term Contracting for Renewable Energy Recovery Factor (LTC Recovery Factor). The reconciliation period for the various costs in this filing is January 2016 through December 2016. The proposed rate adjustments are effective for usage on and after April 1, 2017. The Company's filing includes the direct testimonies and schedules of Adam S. Crary and Tiffany M. Forsyth in support of the proposed rate changes.

In summary, in this filing, the Company requests approval of the following charges and adjustment factors:

- (1) Standard Offer Service (SOS) Adjustment Factors for each SOS class of service designed to credit an over-recovery of SOS expense for the 12-month period ending December 31, 2016;
- (2) SOS Administrative Cost Factors for each SOS class of service designed to recover the projected SOS administrative expense for the period April 1, 2017 through March 31, 2018 and to refund the over-recovery of SOS administrative expense for the 12-month period ending December 31, 2016;
- (3) an adjustment to the SOS base reconciliation and a corresponding adjustment that the Company will make to the Revenue Decoupling Mechanism to reflect the PUC's decision in PUC Docket No. 4556, which provides that, as of July 1, 2015, the unbilled SOS Billing Adjustment must be recovered from or credited to all delivery service customers;
- (4) a base Non-Bypassable Transition Charge (Transition Charge) of 0.009¢ per kWh based on New England Power Company's annual Contract Termination Charge (CTC) for

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

2017 to The Narragansett Electric Company, the former Blackstone Valley Electric Company, and the former Newport Electric Corporation;

- (5) a Transition Charge Adjustment Factor of 0.048¢ per kWh, which is the result of an under-recovery of CTC expense during the 12-month period ending December 31, 2016;
- (6) base Transmission Service Charges based on an estimate of 2017 transmission expense to be billed to the Company;
- (7) Transmission Service Cost Adjustment Factors designed to; (1) refund the net over-recovery of transmission expense incurred during the 12-month period ending December 31, 2016; (2) recover the projected transmission-related uncollectible expense allowance for the period April 1, 2017 through March 31, 2018; and (3) refund net over-recovery of transmission-related uncollectible expense incurred during the 12-month period ending December 31, 2016;
- (8) a Net Metering Charge of 0.023¢ per kWh, which is designed to recover Renewable Net Metering Credits paid to eligible net metering customers and the payments made to renewable Qualifying Facilities, which exceed payments the Company receives from ISO New England from the sale of the energy generated by the Qualifying Facilities for the 12-month period ending December 31, 2016; and
- (9) a Long-Term Contracting (LTC) Reconciliation Factor of 0.103¢ per kWh, which is designed to recover the under-recovery of expense during the 12-month period ending December 31, 2016. When added to the currently-effective LTC Recovery Factor of 0.551¢ per kWh for the period January 1, 2017 through June 30, 2017 (approved by the PUC in Docket No. 4673), the proposed LTC Reconciliation Factor results in a billable LTC Recovery Factor of 0.654¢ per kWh.

The net effect of all rate changes proposed in this filing for a typical residential SOS customer using 500 kWh per month is an increase of \$1.54. This reflects an increase from \$94.48 to \$96.02, or approximately 1.6%.

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

Very truly yours,



Raquel J. Webster

Enclosure

cc: Steve Scialabba, Division
Leo Wold, Esq.

**THE NARRAGANSETT ELECTRIC COMPANY
D/B/A NATIONAL GRID
RIPUC DOCKET NO. 4691
2017 RETAIL RATE FILING
WITNESS: ADAM S. CRARY**

PRE-FILED DIRECT TESTIMONY

OF

ADAM S. CRARY

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1 **I. Introduction and Qualifications**

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

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

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

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

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

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

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

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

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

3 **A.** Yes. I previously testified in the Renewable Energy (RE) Growth Program proceeding,
4 Docket No. 4589A and in the fiscal year (FY) 2015 Electric Infrastructure, Safety and
5 Reliability (ISR) Plan Reconciliation proceeding, Docket No. 4473. I have also
6 submitted Pre-Filed Direct Testimony in the FY 2015 Electric Revenue Decoupling
7 Mechanism Reconciliation Filing, Docket No. 4566, the FY17 Electric ISR Plan, Docket
8 No. 4592, and the 2016 RE Growth Program Factor Filing, Docket No. 4626. I most
9 recently testified in the 2016 Annual Retail Rate Filing, Docket No. 4599, and I am
10 scheduled to testify in the FY18 Electric ISR Plan, Docket No. 4682.

11
12 **II. Purpose of Testimony**

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

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

- 15 (1) Standard Offer Service (SOS) Adjustment Factors for each SOS class of service
16 designed to credit an over-recovery of SOS expense for the 12-month period ending
17 December 31, 2016;
- 18 (2) Standard Offer Service Administrative Cost Factors for each SOS class of service
19 designed to collect the projected SOS administrative expense for the period April 1,
20 2017 through March 31, 2018 and to refund the over-recovery of SOS administrative
21 expense for the 12-month period ending December 31, 2016;

1 (3) an adjustment to the SOS base reconciliation, and a corresponding adjustment to
2 the Revenue Decoupling Mechanism to reflect the PUC's decision in RIPUC
3 Docket No. 4556 that, as of July 1, 2015, the unbilled SOS Billing Adjustment is
4 to be recovered from or credited to all delivery customers;

5 (4) a base Non-Bypassable Transition Charge (Transition Charge) that is proposed as
6 a charge of 0.009¢ per kWh based upon New England Power Company's (NEP)
7 annual Contract Termination Charge (CTC) for 2017 to Narragansett Electric
8 Company, the former Blackstone Valley Electric Company (BVE), and the former
9 Newport Electric Corporation (Newport);

10 (5) a Transition Charge Adjustment Factor that is proposed as a charge of 0.048¢ per
11 kWh resulting from an under-recovery of CTC expense during the 12-month
12 period ending December 31, 2016;

13 (6) base Transmission Service Charges based upon an estimate of 2017 transmission
14 expense to be billed to the Company;

15 (7) Transmission Service Cost Adjustment Factors (TSCAF) designed to (1) refund
16 the net over-recovery of transmission expense incurred during the 12-month
17 period ending December 31, 2016; and (2) recover the projected transmission-
18 related uncollectible expense allowance for the period April 1, 2017 through
19 March 31, 2018 and the net under-recovery of transmission-related uncollectible
20 expense incurred during the 12-month period ending December 31, 2016;

21 (8) a Net Metering Charge of 0.023¢ per kWh, which is designed to recover

1 Renewable Net Metering Credits paid to eligible net metering customers and the
2 payments made to renewable Qualifying Facilities that are in excess of payments
3 that the Company receives from ISO New England (ISO-NE) from the sale of the
4 energy generated by the Qualifying Facilities for the 12-month period ending
5 December 31, 2016; and

6 (9) a Long-Term Contracting for Renewable Energy Recovery Factor (LTC Recovery
7 Factor) of 0.654¢ per kWh, which includes the proposed LTC Reconciliation
8 Factor of 0.103¢ per kWh, designed to recover the under-recovery of expense
9 during the 12-month period ending December 31, 2016, and the currently-
10 effective LTC Recovery Factor of 0.551¢ per kWh for the period January 1, 2017
11 through June 30, 2017, approved by the PUC in RIPUC Docket No. 4673 at its
12 December 20, 2016 open meeting.

13 In support of the above requests, the Company is presenting its annual reconciliations for
14 SOS, SOS administrative costs, the non-bypassable transition charge, the transmission
15 service charge, the transmission-related uncollectible expense, the Net Metering charge,
16 and the LTC Recovery Factor. The reconciliation period for the various costs in this
17 filing is January 1, 2016 through December 31, 2016.

18
19 The net effect of all rate changes proposed in this filing for a typical residential SOS
20 customer using 500 kWh per month is an increase of \$1.54 from \$94.48 to \$96.02 or
21 approximately 1.6%. Schedule ASC-1 presents a summary of the proposed rate changes.

1 The Company is proposing that the rate and tariff changes identified above be effective
2 for usage on and after April 1, 2017.

3
4 **Q. Is the Company requesting approval from the PUC for the Renewable Energy**
5 **Standard (RES) Charge in this filing?**

6 A. No. The Company will submit its proposed 2017 RES Charge and reconciliation in a
7 separate filing prior to March 1, 2017.

8
9 **III. SOS Adjustment Factors and Reconciliation**

10 SOS Adjustment Factors

11 **Q. Is the Company proposing SOS Adjustment Factors for April 1, 2017?**

12 A. Yes, the Company is proposing separate SOS Adjustment Factors for the Residential,
13 Commercial, and Industrial Customer Groups, which are designed to credit customers an
14 over-recovery of \$16.4 million incurred during the twelve-month period ending
15 December 2016. For billing purposes, the Company will include the SOS Adjustment
16 Factors with the SOS Charge on customers' bills.

17
18 **Q. Please describe the Company's SOS customer classes.**

19 A. Pursuant to the Company's 2011 SOS Procurement Plan approved by the PUC in Docket
20 No. 4149, beginning April 1, 2011, the Company established three separate SOS
21 procurement groups: the Residential Group, the Commercial Group, and the Industrial

1 Group. The Residential Group consists of customers taking service on Basic Residential
2 Rate A-16 and Low Income Rate A-60. The Commercial Group consists of customers
3 receiving service pursuant to Small C&I Rate C-06, General C&I Rate G-02, and outdoor
4 lighting Rates S-05, S-06, S-10, and S-14. Finally, the Industrial Group consists of the
5 Company's large C&I classes; Large Demand Rate G-32, Optional Large Demand Rate
6 G-62, Backup Service Rates B-32 and B-62, and Electric Propulsion Rate X-01. The
7 Company procures and prices SOS separately for each of these procurement groups and
8 tracks revenue and expenses separately for each group.

9
10 SOS Reconciliation

11 **Q. Please describe the Company's SOS reconciliation for the period January 2016**
12 **through December 2016.**

13 A. This reconciliation is included as Schedule ASC-2. Page 1 of Schedule ASC-2 reflects a
14 total over-recovery of approximately \$16.4 million for the period January 2016 through
15 December 2016.

16
17 **Q. Please describe the SOS reconciliation process in more detail.**

18 A. The Company is required to reconcile SOS revenues and expenses in accordance with the
19 SOS Adjustment Provision, RIPUC No. 2157. This provision requires the Company to
20 reconcile, on an annual basis, its total cost of purchased power for SOS supply against its
21 total SOS revenue, and to refund the excess to or collect the deficiency from customers

1 through a rate recovery/refund methodology approved by the PUC at the time the
2 Company files its annual reconciliation.
3

4 Total revenues are generated from charges billed to SOS customers through the SOS
5 rates for the applicable reconciliation period. Since the Company procures and prices
6 SOS separately for the Residential Group, Commercial Group, and the Industrial Group,
7 the Company has performed separate reconciliations for each group. The SOS
8 reconciliations for each procurement group and a total Company consolidated
9 reconciliation, are presented in Schedule ASC-2.
10

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

13 A. The adjustment of (\$1,101,347) shown on Line (3) of Pages 1 through 4 of the
14 reconciliation reflects the remaining balance of the 2014 under-recovery of SOS expense
15 for the period January 1, 2014 through December 31, 2014 that was recovered during the
16 period April 1, 2015 through March 31, 2016.
17

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

20 A. The adjustment of \$835,087 shown on Line (4) of Pages 1 through 3 of the reconciliation
21 reflects the unbilled SOS Billing Adjustments for the period January 1, 2016 through

1 December 31, 2016. This adjustment will be discussed in further detail later in my
2 testimony.
3

4 **Q. Has the Company included a schedule showing the final unrecovered balance of the**
5 **2014 under-recovery incurred during the period January 2014 through December**
6 **2014?**

7 A. Yes. Page 7, Section 1, of Schedule ASC-2 shows the final status of the under-recovery
8 incurred during January 2014 through December 2014. The beginning under-recovery
9 balance of \$5,664,254 was approved for recovery in Docket No. 4554. This amount was
10 credited through each customer group's SOS Adjustment Factor, effective April 1, 2015
11 through March 31, 2016. As shown on Schedule ASC-2, Page 7, the Company under-
12 recovered from SOS customers by \$1,101,347 through March 31, 2016. This remaining
13 balance is included as an adjustment to the current base reconciliation on Schedule ASC-
14 2, Line (3).
15

16 **Q. Has the Company included a status of the recovery of the 2015 SOS net over-**
17 **recovery incurred during the period January 2015 through December 2015 that the**
18 **Company is crediting/recovering during the 12 months ending March 31, 2017?**

19 A. Yes. Page 7, Section 2, of Schedule ASC-2 shows the status of the net over-recovery
20 incurred during the January 2015 through December 2015 reconciliation period. The
21 beginning net over-recovery balance of \$9,987,819 was approved in Docket No. 4599.

1 The Residential and Industrial Groups incurred an over-recovery while the Commercial
2 Group incurred an under-recovery. The amounts associated with the Residential and
3 Industrial Groups are being credited while the amount associated with the Commercial
4 Group is being recovered through the SOS Adjustment Factors implemented on April 1,
5 2016. The Company will continue to apply the currently effective adjustment factors
6 through March 31, 2017. Any balance remaining at that time, positive or negative, will
7 be reflected in next year's SOS reconciliation as an adjustment.
8

9 Calculation of the SOS Adjustment Factors

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

11 A. The proposed SOS Adjustment Factors are developed in Schedule ASC-3. The SOS
12 Adjustment Factors are calculated by dividing the ending balance of the SOS
13 reconciliation for each procurement group plus estimated interest during the period
14 during which the factors will be in effect by the forecasted SOS kWh deliveries for each
15 procurement group during the period April 2017 through March 2018.
16

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

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

20 A. Pursuant to the Company's Standard Offer Adjustment Provision, the SOS
21 Administrative Cost Factors, which are applicable to customers receiving SOS, recover

1 administrative costs associated with arranging, administering, and providing SOS. In
2 accordance with the Standard Offer Adjustment Provision, on an annual basis, the
3 Company reconciles its administrative cost of providing SOS with its SOS revenue
4 associated with the recovery of administrative costs and the excess or deficiency,
5 including interest at the interest rate paid on customer deposits, is refunded to, or
6 recovered from, SOS customers in the subsequent year's SOS Administrative Cost
7 Factors.

8
9 **Q. What costs are included for recovery in the SOS Administrative Cost Factors?**

10 A. The Company is allowed to recover administrative costs associated with the following:
11 working capital; complying with the requirements of Renewable Energy Standard
12 established in R.I. Gen. Laws § 39-26-1; creating the environmental disclosure label; the
13 costs associated with the New England Power Pool (NEPOOL's) Generation Information
14 System (GIS) attributable to SOS; procurement of SOS, including requests for bids,
15 contract negotiation, and execution and contract administration; notifying SOS customers
16 of the rates for SOS; updating rate changes in the Company's billing system; and an
17 allowance for SOS-related uncollectible expense associated with amounts billed through
18 SOS rates and the SOS Administrative Cost Factors at the uncollectible rate approved by
19 the PUC.¹

20

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

1 **Q. Has the Company proposed SOS Administrative Cost Factors to be effective**
2 **April 1, 2017?**

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

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

6 A. Pursuant to the Standard Offer Adjustment Provision, the proposed SOS Administrative
7 Cost Adjustment Factors are designed to collect (1) an allowance for SOS-related
8 uncollectible expense based upon estimated SOS base revenue, estimated SOS
9 Adjustment Factor revenue, and estimated RES revenue associated with each
10 procurement group for the upcoming year, (2) administrative costs associated with
11 arranging SOS for the upcoming year, and (3) any over- or under-recoveries of SOS
12 administrative costs from the prior year.
13

14 **Q. How does the Company estimate the SOS revenue and associated uncollectible**
15 **expense for the period April 1, 2017 through March 31, 2018?**

16 A. Uncollectible expense is based upon estimated SOS base revenue, SOS Adjustment
17 Factor revenue, and RES revenue for the period April 1, 2017 through March 31, 2018.
18 The revenue is calculated as each procurement group's estimated SOS kWh deliveries
19 for the 12 months ending March 31, 2018, multiplied by the sum of the SOS base rates
20 proposed in the January 18, 2017 SOS filing in Docket No. 4605, the current RES rate,
21 and the proposed SOS Adjustment Factors. The estimated revenue is then multiplied by

1 the uncollectible rate to determine the estimated commodity-related uncollectible
2 expense. Estimated commodity-related uncollectible expense is shown on Line (1) of
3 Schedule ASC-4, Page 1. The details of this estimate are included on Page 2 of Schedule
4 ASC-4.

5
6 **Q. How does the Company estimate other SOS administrative expenses?**

7 A. The SOS administrative expense is categorized into three components: GIS costs, other
8 administrative costs, and cash working capital. The estimated GIS and other
9 administrative costs are based upon the actual expense incurred during 2016² which is
10 allocated to each procurement group based on each procurement group's percentage
11 share of SOS expense during the 12-month period ending December 31, 2016. Cash
12 working capital is allocated to each procurement group based upon each group's actual
13 SOS revenue as a percentage of total SOS revenue. The total estimated SOS
14 administrative expense for 2017 is shown on Line (3) of Schedule ASC-4, Page 1.

15
16 SOS Administrative Cost Reconciliation

17 **Q. Did the Company prepare a reconciliation of SOS administrative costs for the**
18 **period ending December 31, 2016?**

19 A. Yes. The SOS administrative cost reconciliation for the period January 1, 2016 through
20 December 31, 2016 is presented in Schedule ASC-5. Consistent with the reconciliation

² The 2017 estimate does not include 2016 costs incurred in relation to the Northbridge study.

1 of base SOS costs, the Company has prepared separate reconciliations for the Residential
2 Group, the Commercial Group, and the Industrial Group. The reconciliations on Page 2
3 of Schedule ASC-5 show over-recoveries of \$194,094 for the Residential Group,
4 \$235,708 for the Commercial Group, and \$35,429 for the Industrial Group.

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

8 A. The amounts on Schedule ASC-5, Pages 4, 5, and 6, Column (h) labeled Cash Working
9 Capital, are the commodity-related working capital requirements during 2016. The Cash
10 Working Capital calculation is presented in Schedule ASC-6.

11
12 **Q. How is the Company proposing to refund each group's over-recovery of SOS**
13 **administrative costs?**

14 A. The Company is proposing to refund each group's over-recovery of SOS administrative
15 costs through SOS group-specific adjustment factors. The proposed factors are
16 developed in Schedule ASC-7. Each group's factor is developed by dividing each
17 group's over-recovery, including interest during the recovery period, by the group's
18 forecasted SOS kWh deliveries. These factors are included in the proposed SOS
19 Administrative Cost Factors, as shown in Schedule ASC-4, Page 1, Line (6).

1 **V. Unbilled Standard Offer Service Billing Adjustment**

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

3 A. Schedule ASC-8, Page 1 identifies the monthly unbilled SOS Billing Adjustments by
4 SOS customer group. These amounts form the basis for an adjustment to the SOS
5 reconciliation for the same period.

6
7 **Q. Why is the Company proposing this adjustment to the SOS reconciliation balance?**

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

17
18 The PUC further directed the Company to track the unbilled SOS Billing Adjustments
19 beginning July 1, 2015 through the end of the reconciliation period and to recover from
20 or refund to all retail delivery service customers the net amount of the adjustments. A net
21 credit of \$65,900 was applied as an adjustment to the Standard Offer Service

1 Reconciliation (Schedule ASC-2) in the 2016 Annual Retail Rate Filing, Docket No.
2 4599, and the PUC approved a subsequent adjustment in Docket No. 4617, the
3 Company's 2016 Electric Revenue Decoupling Mechanism Reconciliation.
4

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

6 A. As required by RIPUC No. 2157, the SOS Adjustment Provision approved by the PUC in
7 Docket No. 4556, the Company must apply a Revenue Adjustment (defined as an
8 increase to SOS revenue in the SOS reconciliation) if the variable rate billing less fixed
9 rate billing is positive (i.e., the Company paid more to SOS suppliers than it billed SOS
10 customers), and a decrease to SOS revenue in the SOS reconciliation if the variable rate
11 billing less the fixed rate billing is negative (i.e., the Company paid less to SOS suppliers
12 than it billed SOS customers). This adjustment to SOS revenue in the SOS reconciliation
13 results in the SOS revenue being at a level it would have been had the Company
14 continued to bill these SOS Billing Adjustments. In this way, SOS customers are not
15 harmed by the termination of the SOS Billing Adjustment. In addition, they also do not
16 benefit from the termination of the adjustment.
17

18 **Q. What does the amounts in Schedule ASC-8 indicate?**

19 A. Schedule ASC-8 quantifies the total net unbilled SOS Billing Adjustments for 2016 for
20 the Residential and Commercial Groups, which was a net charge of \$835,087. This
21 amount is shown as an adjustment to the Residential and Commercial customer group

1 SOS base reconciliations in Exhibit ASC-2, pages 2 and 3. The net amount of the
2 unbilled SOS Billing Adjustment is positive, or a charge of \$835,087, meaning that, in
3 the aggregate, for all of the SOS customers who are billed a fixed rate and who left SOS
4 to take their electric supply from a non-regulated power producer, the Company paid
5 more for their SOS supply than what it billed those customers. Therefore, the Company
6 is crediting the Residential and Commercial SOS reconciliations, that, in effect, results in
7 an impact that is the same as increasing revenue in each reconciliation.

8
9 **Q. How does the Company propose to recover the net deficit of the SOS Billing**
10 **Adjustment from all customers?**

11 A. The Company is proposing to reflect the net deficit (i.e., cost to provide SOS that exceeds
12 the revenue billed) of the SOS Billing Adjustment as an adjusting charge to the Revenue
13 Decoupling Mechanism (RDM) reconciliation, which will be filed by May 15, 2017. The
14 RDM Adjustment Factor is a uniform per kWh factor applicable to all retail delivery
15 service customers. Therefore, all customers will receive a portion of the net SOS Billing
16 Adjustment through application of the RDM Adjustment Factor.

17
18 **VI. Transition Charge**
19 Base Transition Charge

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

21 A. The Transition Charge is intended to recover from all retail delivery service customers

1 the CTC billed to the Company by New England Power (NEP), including charges in
2 effect under the former Montaup Electric Company's CTC. In addition, the Company
3 reconciles the revenue it bills its customers through the Transition Charge against the
4 CTC billed to it by NEP and can propose to implement a Transition Charge adjustment
5 factor to refund an over recovery of CTC costs or recover an under-recovery of CTC
6 costs.

7
8 **Q. What is the Company's proposal in this filing?**

9 A. In this filing, the Company is proposing a Transition Charge for the 12 month period
10 ending March 31, 2018 of 0.057¢ per kWh. The charge represents (1) the weighted
11 average CTC factor of 0.009¢ per kWh and (2) a Transition Charge Adjustment Factor
12 charge of 0.048¢ per kWh designed to recover the under-recovery of CTC costs for the
13 period January 2016 through December 2016.

14
15 **Q. How is the weighted average CTC calculated?**

16 A. Schedule ASC-9, Page 2 shows the calculation of the weighted average CTC for 2017.
17 The individual CTCs and estimated GWhs for Narragansett Electric, BVE, and Newport,
18 shown in Section 1 of Page 2, are based upon NEP's 2017 CTC. The individual company
19 CTCs determined in Section 1 are aggregated in Section 2 and divided by the total GWh
20 deliveries to arrive at a weighted average CTC of 0.009¢ per kWh. This is the basis for
21 the proposed base Transition Charge of 0.009¢ per kWh effective April 1, 2017.

Transition Charge Reconciliation

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

A. The Company reconciles Transition Charge revenue and CTC expense as provided for and in accordance with its Non-Bypassable Transition Charge Adjustment Provision. The excess or deficiency is to be credited to or recovered from customers with interest accruing at the rate in effect for customer deposits. The reconciliation covers the period January 2016 through December 2016, as reflected in Schedule ASC-10. Page 1 of ASC 10 shows the reconciliation.

Q. What is the total Company Transition Charge reconciliation balance for the 12 months ending December 31, 2016?

A. The balance for the period January 2016 through December 2016, shown in Schedule ASC-10, Page 1, reflects an under-recovery of approximately \$3.6 million.

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

A. Column (i), Page 1, contains a \$92,289 adjustment in the month of April 2016, which represents the final balance of the over-recovery incurred during the period January 2014 through December 2014 that has been credited to customers, as shown on Schedule ASC-10, Page 3, and described below.

1 **Q. How is the Company proposing to treat the under-recovery for the period January**
2 **2016 through December 2016?**

3 A. As previously noted, the Company is proposing to add to the proposed base Transition
4 Charge factor of 0.009¢ per kWh, calculated on Schedule ASC-9, Page 2, the proposed
5 Transition Charge Adjustment Factor of 0.048¢ per kWh, as calculated in Schedule ASC-
6 10, Page 3. The Transition Charge under-recovery balance, including estimated interest
7 during the recovery period, is divided by the forecasted kWh deliveries for the period
8 April 1, 2017 through March 31, 2018, resulting in a charge of 0.048¢ per kWh. This
9 charge, when added to the base Transition Charge factor of 0.009¢ per kWh, produces a
10 Transition Charge factor of 0.057¢ per kWh, as shown on Line (3), Page 1 of Schedule
11 ASC-9.

12
13 **Q. What does Page 2 of Schedule ASC-10 reflect?**

14 A. Section 1, Page 2 of Schedule ASC-10 presents the final balance associated with the
15 over-recovery incurred during the period January 2014 through December 2014 that was
16 credited to customers during the 12-month period ending March 31, 2016. Page 2 of
17 Schedule ASC-10 shows that, as of March 31, 2016, there was a remaining balance owed
18 to customers of \$92,289. This ending balance is included in the base Transition Charge
19 reconciliation as an adjustment in the month of April 2016, as shown on Page 1 of
20 Schedule ASC-10.

21

1 Section 2, Page 2 of Schedule ASC-10 also presents the status of the refund associated
2 with the over-recovery of CTC expense incurred during the period January 2015 through
3 December 2015 that is being credited to customers during the 12-month period ending
4 March 31, 2017. Page 2, Section 2, of Schedule ASC-10 shows that as of January 31,
5 2017, there remains a balance owed to customers of \$1,215,403. The Company will
6 continue to credit the over-recovery to customers through March 31, 2017, at which
7 point, the remaining balance, positive or negative, will be reflected in next year's base
8 Transition Charge reconciliation as an adjustment in the month of April 2017.

9
10 **VII. Transmission Charges**

11 Transmission Charges and Reconciliation

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

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

19
20 Transmission charges are determined annually based upon a forecast of transmission
21 expense for the upcoming year and a transmission adjustment factor which is designed to

1 recover from or credit to customers under- or over-recoveries of expense from the prior
2 year.

3
4 **Q. Has the Company prepared a forecast of transmission costs for 2017?**

5 A. Yes, it has. This forecast is included in the testimony and schedules of Tiffany M.
6 Forsyth, who explains the forecast and how it was derived. The transmission forecast for
7 2017 is approximately \$212.7 million, an increase of approximately \$34.6 million from
8 the 2016 forecast.

9
10 **Q. How does the Company propose to recover the \$212.7 million of forecasted**
11 **transmission expense for 2017?**

12 A. The Company is proposing to recover the \$212.7 million of 2017 estimated expense
13 through class specific base transmission demand and energy charges.

14
15 Base Transmission Charges

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

17 A. Schedule ASC-11 shows the design of the proposed base transmission charges. The first
18 step in designing the base transmission charges is to allocate the forecasted transmission
19 expense to each rate class. The total estimated 2017 transmission expense is allocated to
20 each class based on a coincident peak demand³ allocation factor.

21

³ Coincident peak demand is the demand of each rate class at the time of the system peak demand.

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

2 A. The allocation factor is developed from rate class weighted average load factors that were
3 developed from coincident peak data for the years ending 2008 and 2011, as described
4 below. The Company used a similar methodology in its most recent base rate case in
5 Docket No. 4323 in the development of the non-coincident peak allocators used to
6 allocate demand-related costs in the allocated cost of service study. As part of that rate
7 case, the PUC approved this methodology to be used to allocate forecasted transmission
8 expenses.

9
10 The coincident peak allocators are shown on Schedule ASC-11, Page 1, Line (2) and are
11 calculated on Schedule ASC-11, Page 2. Each class's monthly coincident peak data for
12 the years 2008 and 2011 (two years with relatively normal weather) are used to develop
13 class load factors. These load factors are then multiplied by each class's weather-
14 normalized forecasted kWh for the period April 1, 2017 through March 31, 2018,
15 resulting in a coincident peak allocator that reflects more stable, weather-normalized
16 demand. Schedule ASC-11, Page 2 demonstrates the development of the coincident peak
17 allocators.

18
19 **Q. Once the forecasted transmission expense has been allocated to each rate class, how**
20 **are the individual class charges developed?**

21 A. The proposed base transmission charges are calculated on Schedule ASC-11. For rate

1 classes with demand (per kW) charges, the proposed demand charges have been designed
2 to reflect the higher of (1) the current demand charge or (2) a demand charge based upon
3 the percentage increase in 2017 transmission expense allocated to the rate class as
4 compared to that rate class's share of 2016 expense. The amount recovered through the
5 proposed demand charges is calculated as the proposed demand charge multiplied by the
6 a forecast of billing demand. The difference between the total allocated transmission
7 expense and the transmission expenses to be recovered through the proposed demand
8 charges results in the transmission expense to be recovered through kWh charges. The
9 proposed transmission kWh charges are calculated by dividing the total transmission
10 expense to be recovered on a kWh basis by the forecasted kWh for each rate class.

11
12 Transmission Service Reconciliation

13 **Q. Please discuss the Company's transmission service reconciliation for the period**
14 **January 1, 2016 through December 31, 2016.**

15 A. The Company's transmission service reconciliation is shown in Schedule ASC-12. The
16 reconciliation reflects actual transmission revenue for the period January 2016 through
17 December 2016, actual transmission expenses for the period January 2016 through
18 November 2016, and estimated expenses for December 2016.⁴ This reconciliation is
19 provided in accordance with the Company's TSCAP, which allows for the reconciliation,

20

⁴ The Company has estimated transmission expense for December 2016 because this information was not available at the time of this filing.

1 along with interest on any balance, and the recovery or credit of any under- or over-
2 recovery, respectively.
3

4 **Q. Please explain the beginning balance of \$724,100.**

5 A. The beginning balance of \$724,100 is the difference between the estimated December
6 2015 transmission expenses of \$12,914,533 presented in Docket No. 4599, Schedule
7 ASC-12, and the actual expenses of \$12,190,433.
8

9 **Q. What is the balance of the transmission service reconciliation as of December 2016?**

10 A. Page 1 of Schedule ASC-12 presents the reconciliation of transmission service revenue
11 and expense through December 2016. This reconciliation shows that the estimated
12 balance of the transmission reconciliation as of December 2016 is a net over-recovery of
13 approximately \$6.8 million. Page 2 of Schedule ASC-12 presents the results of the
14 annual reconciliation for each rate class.
15

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

17 A. Page 1 of Schedule ASC-12 includes a \$395,177 adjustment that represents the final
18 balance of the under-recovery of transmission expense incurred during the period January
19 2014 through December 2014, which was recovered from customers during the 12
20 months ending March 31, 2016. This amount represents the remaining balance to be
21 recovered from customers.

1 **Q. How does the Company propose to reflect in rates the balance in the transmission**
2 **service reconciliation as of December 2016?**

3 A. The Company proposes to implement class-specific adjustment factors to credit to or
4 recover from customers each class' share of the net over-recovery of \$6.8 million, plus
5 estimated interest during the recovery period. The calculations of the factors are shown
6 on Schedule ASC-13 and are described in more detail below.

7
8 **Q. How does the Company plan to reconcile estimated expenses for December 2016 to**
9 **actual expenses?**

10 A. Actual expenses for December 2016 will be compared to the estimated expenses included
11 in the 2016 reconciliation. The difference, positive or negative, will be reflected as the
12 beginning balance of the transmission reconciliation for the period January 2017 through
13 December 2017, which will be filed with the PUC in early 2018.

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

17 A. Page 6 of Schedule ASC-12 presents the final balance of the net under-recovery incurred
18 during the period January 2014 through December 2014. Of the approximately \$4.3
19 million under-recovery, the Company under-recovered a net of \$395,177. This remaining
20 balance is reflected in the current transmission service reconciliation as an adjustment to
21 the amount to be recovered by the Company.

1 **Q. What is the status of the balance associated with the transmission service net under-**
2 **recovery incurred during the period January 2015 through December 2015?**

3 **A.** Page 7 of Schedule ASC-12 presents the status of the transmission expense net under-
4 recovery incurred during the period January 2015 through December 2015. The
5 Company is currently recovering this amount during the 12 months ending March 31,
6 2017. Page 7 of Schedule ASC-12 shows the \$6.0 million approved to be recovered from
7 customers. As of January 2017, there is a net remaining balance of approximately \$1.85
8 million to be recovered from customers. The Company will continue to recover the
9 under-recovery through March 31, 2017. The ending balance, positive or negative, will
10 be included as an adjustment to the transmission service reconciliation for the period
11 January 2017 through December 2017, which will be filed with the PUC in early 2018.

12
13 Transmission Service Cost Adjustment Factors (TSCAF)

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

15 **A.** The proposed TSCAFs for the period April 1, 2017 through March 31, 2018 are
16 presented in Schedule ASC-13. As shown on Schedule ASC -13, Page 1, Line (3), the
17 cumulative transmission service net over-recovery as of December 31, 2016, plus
18 estimated interest during the refund period, is approximately \$6.9 million, and the
19 proposed factors are designed to refund this amount. For billing purposes, the TSCAFs
20 are included with the base transmission kWh charge on customers' bills.

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

2 A. The first step in calculating the proposed TSCAFs is to determine the over- or under-
3 recovery of expense for each rate class. The base transmission revenue billed to each
4 class during the period January 1, 2016 through December 31, 2016 is compared to each
5 classes' allocated share of transmission expenses for the same period. The difference is
6 the over- or under- recovery of expense attributable to each class. Next, each class's
7 over- or under-recovery of expense is then divided by the forecasted kWh deliveries for
8 that class for the period April 1, 2017 through March 31, 2018 to determine the
9 individual class adjustment factors.

10
11 Transmission-Related Uncollectible Expense

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

13 A. Pursuant to the Company's TSCAP, the Company is allowed to recover an allowance for
14 the Company's uncollectible expense associated with amounts billed through
15 transmission charges at the uncollectible rate approved by the PUC. Transmission-
16 related uncollectible expense is estimated for purposes of setting the Transmission
17 Service Uncollectible Factors for the upcoming year as the approved uncollectible
18 percentage applied to the sum of: (1) the forecast of base transmission expense, (2) any
19 over- or under-recovery of transmission expense during the prior year, and (3) any over-
20 or under-recovery of transmission uncollectible expense allowance during the prior year.

1 This amount is subject to reconciliation on an annual basis for actual transmission
2 revenue billed by the Company during the applicable period.
3

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

5 A. The calculation of the Transmission Uncollectible Factors is shown in Schedule ASC-14.
6 The estimated transmission uncollectible expense for 2017 is calculated by multiplying
7 the allowable uncollectible rate of 1.25% by the sum of: (1) the estimated base
8 transmission revenue for the period April 1, 2017 through March 31, 2018, (2) the
9 transmission service net over-recovery balance for 2016, and (3) the net over-recovery of
10 transmission-related uncollectible expense during the period January 1, 2016 through
11 December 31, 2016. The total transmission uncollectible expense for 2017 is shown by
12 rate class on Line (6) of Schedule ASC-14. This estimate is divided by the forecasted
13 kWh deliveries for each rate class during April 1, 2017 through March 31, 2018, resulting
14 in per kWh charges for each rate class. The final Transmission Uncollectible Factors
15 include the 2016 Transmission Uncollectible Reconciliation Factors, shown on Line (9)
16 of Schedule ASC-14, that are developed in Schedule ASC-15. For billing purposes, the
17 Transmission Uncollectible and Transmission Uncollectible Reconciliation Factors are
18 included with the Transmission Service kWh charges on customers' bills.
19

20 **Q. Did the Company prepare a reconciliation of the transmission-related uncollectible**
21 **expense for the period ending December 31, 2016?**

1 A. Yes. As explained above, on an annual basis, the Company reconciles the revenue billed
2 through the Transmission Uncollectible Factors to the Transmission Uncollectible
3 allowance based on actual Transmission Service revenue billed during the reconciliation
4 period. This reconciliation is shown in Schedule ASC-15, Page 1. The actual revenue
5 billed through the Transmission Uncollectible Factors is shown on Line (1) of Schedule
6 ASC-15, Page 1. Transmission Uncollectible Expense allowance is calculated on Lines
7 (2) through (7) as the actual Transmission Service revenue billed during the period
8 January 2016 through December 2016 multiplied by the uncollectible percentage of
9 1.25%. As indicated on Line (8), a net under-recovery of \$4,613 of the transmission
10 uncollectible allowance was incurred during the reconciliation period. As indicated on
11 Line (9), the net ending balance of the recovery of the prior period under-collection from
12 calendar year 2014 is \$30,105 (representing a net credit due to customers). Line (8) and
13 Line (9) are then summed, resulting in a total net over-recovery of \$25,491, as shown on
14 Line (10). The Transmission Uncollectible Reconciliation Factors are calculated on Line
15 (17) as the transmission uncollectible over/under-recovery per rate class, including
16 interest, divided by the forecasted kWh deliveries during the period April 1, 2017 through
17 March 31, 2018.

18
19 Page 2 of Schedule ASC-15 shows the detail of the Transmission Uncollectible Factor
20 Revenue. The total revenue billed through the factors is calculated in Column (c) for
21 each rate class. The revenue associated with the recovery or refund of the prior

1 reconciliation period's over or under-recovery, shown in Column (d), is subtracted from
2 the total revenue to determine the base revenue for the current reconciliation period.
3

4 **Q. What is the status of the recovery associated with the transmission service**
5 **uncollectible under-recovery incurred during the period January 2014 through**
6 **December 2014?**

7 A. Page 4 of Schedule ASC-15 presents the status of the under-recovery incurred during the
8 period January 2014 through December 2014 for each rate class. The ending balance of
9 \$30,105 has been included as adjustment to the transmission uncollectible reconciliation
10 for the period January 2016 through December 2016, as shown on Schedule ASC-15,
11 Page 1, Line (9).
12

13 **Q. What is the status of the recovery associated with the transmission service**
14 **uncollectible under-recovery incurred during the period January 2015 through**
15 **December 2015?**

16 A. Page 5 of Schedule ASC-15 presents the status of the under-recovery incurred during the
17 period January 2015 through December 2015 for each rate class. The Company will
18 continue to recover the under-recovery through March 31, 2017. The ending balances,
19 positive or negative, will be included as adjustments to the transmission uncollectible
20 reconciliation for the period January 2017 through December 2017.
21

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. 2169.

A. Pursuant to the Company's Net Metering Provision, RIPUC No. 2169, 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.⁵ The Renewable Net Metering Credit is equal to the total kWh of electricity generated and consumed on-site during the billing period multiplied by the sum of the:

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

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

⁵ 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 **Q. Please describe the costs that the Company is incurring pursuant the Qualifying**
2 **Facility Power Purchase Rate, RIPUC No. 2098.**

3 A. Pursuant to the provisions of the Qualifying Facility Power Purchase Rate, RIPUC No.
4 2098, for facilities meeting the definition of renewable energy resources, as defined in
5 R.I. Gen. Laws §39-26-5, the Company pays the SOS rate applicable to that customer for
6 each kWh generated in excess of the facility's requirements.

7
8 **Q. Does the Company receive payments from ISO-NE for energy generated by net**
9 **metered customers and renewable Qualifying Facilities?**

10 A. Yes. For kWh generated by both eligible renewable net metering customers and
11 renewable Qualifying Facilities that are registered with ISO-NE as generating assets, the
12 Company receives payments from ISO-NE for the sale of this energy in the market, as
13 well as capacity payments, if any. These payments are used to offset the Renewable Net
14 Metering Credits paid to Host Customers and payments to renewable Qualifying
15 Facilities.

16
17 **Q. How does the Company recover the cost of the Renewable Net Metering Credits**
18 **paid to Host Customers and the payments to renewable Qualifying Facilities?**

19 A. Pursuant to the Company's tariffs, the Company recovers through a Net Metering Charge
20 the sum of (1) all Renewable Net Metering Credits paid to eligible net metering
21 customers, less any payments from ISO-NE for the sales of excess generation, and (2) the

1 difference between the payments made to Qualifying Facilities with renewable generation
2 at the SOS rate and the payments received from ISO-NE for market energy sold, and any
3 capacity payments. The Net Metering Charge is a uniform per-kWh charge applicable to
4 all customers and is included with the LTC Recovery Factor on customer bills, labeled as
5 the Renewable Energy Distribution charge.
6

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

9 A. The Net Metering reconciliation is shown in Schedule ASC-16. The total amount of
10 Renewable Net Metering Credits paid during 2016 totaled \$1,351,130, as shown in
11 Column (a) of Page 1. The payments received during 2016 from ISO-NE for excess
12 generation totaled \$84,105, as shown in Column (b). The difference between the
13 payments made to Qualifying Facilities with renewable generation at the SOS rate and
14 the payments received from ISO-NE for market energy sold, and capacity payments
15 totaled \$419,076, as shown in Column (c). The total costs incurred during the period
16 January 1, 2016 through December 31, 2016 is \$1,713,779, as shown in Column (e).
17

18 **Q. Is the Company proposing a Net Metering Charge for April 1, 2017?**

19 A. Yes. As shown on Schedule ASC-16, Page 1, Line (2), the Company is proposing a Net
20 Metering Charge of 0.023¢ per kWh.
21

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

2 A. Schedule ASC-17 is the Company's Net Metering report. This schedule includes a listing
3 of all eligible net metering facilities in the Company's service territory, along with a
4 description of each unit, including fuel type, capacity, and interconnection date. An
5 estimate of each unit's annual kWh production is also included in the report.
6

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

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

9 A. Pursuant to LTC Recovery Provision, RIPUC No. 2127, the Company is allowed to
10 recover the costs incurred in accordance with the provisions of R.I. Gen. Laws §39-26.1,
11 Long-Term Contracting Standard for Renewable Energy, and R.I. Gen. Laws §39-26.2,
12 Distributed Generation Standard Contracts. Pursuant to Rhode Island law, the Company
13 is required to enter into contracts with eligible renewable energy resources at fixed prices
14 for the purchase of energy, capacity, and Renewable Energy Certificates (RECs)
15 (collectively, the Contract Products). The Company will sell the energy purchased
16 through the contracts into the ISO-NE energy market and will use the RECs to satisfy the
17 Company's REC obligation associated with SOS. The difference between the cost
18 incurred under each contract, equal to the fixed contract price multiplied by the
19 generation of the facility, and the proceeds that the Company receives for the sale of the
20 Contract Products, is referred to as the above market contract cost. Pursuant to R.I. Gen.
21 Laws § 39-26.1-5(f), the above market contract costs must be recovered from all retail

1 delivery service customers through a uniform per kWh factor. In addition, R.I. Gen.
2 Laws § 39-26.1-4 authorizes the Company to recover 2.75 percent of the total payments
3 made under each contract as remuneration. Finally, certain administrative and other costs
4 authorized through various sections of the statutes will be tracked and recovered
5 annually.

6
7 On an annual basis, the Company is required to reconcile the revenue billed through the
8 LTC Recovery Factor and the expenses incurred pursuant to the LTC Recovery
9 Provision.

10
11 **Q. Has the Company prepared a reconciliation of the LTC Recovery Factor?**

12 A. Yes. The reconciliation of the LTC Recovery Factor is included in Schedule ASC-18.
13 Page 1 contains a summary of revenue and expenses while pages 3 and 4 contain detailed
14 revenue and expense information, respectively. Page 5 contains the status of the under-
15 recovery balance incurred through December 2015 that is being recovered from
16 customers during the period April 1, 2016 through March 31, 2017. Page 6 contains the
17 status of the under-recovery balance incurred in from January 2014 to December 2014.
18 The ending balance is included as an adjustment on Page 1, Column (d).

19
20 **Q. Please summarize the results of the Company's LTC Recovery Factor reconciliation**
21 **for the period January 1, 2016 through December 31, 2016.**

1 A. Page 1, Column (b) shows the revenue billed each month through the LTC Recovery
2 Factor during 2016 totaling \$12.7 million. Column (c) shows the monthly expense
3 totaling \$19.9 million for the 12 months ending December 31, 2016. Column (d) includes
4 an adjustment of \$378,233, which is the remaining unrecovered balance of the under-
5 recovery incurred during 2014 and recovered from customers during the period ending
6 March 31, 2016. Column (e) shows the over- or under-recovery of expense for each
7 month. Column (f) shows the cumulative over- or under-recovery. Column (f) shows an
8 ending under-recovery balance (before interest) of \$7.5 million.

9
10 **Q. What is the net LTC Recovery Factor proposed to be effective April 1, 2017?**

11 A. The proposed LTC Recovery Reconciliation Factor effective April 1, 2017 is 0.103¢ per
12 kWh. The calculation of the factor is shown on Schedule ASC-18, Page 1, Lines (4)
13 through (8). The under-recovery of \$7.6 million, including interest, is divided by the
14 forecasted kWh delivery during the recovery period, resulting in a charge of 0.102¢ per
15 kWh. Line (7) provides for an adjustment to the LTC Recovery Factor for uncollectible
16 revenue, resulting in a total reconciliation factor of 0.103¢ per kWh. Line (9) shows the
17 currently effective LTC Recovery Factor charge of 0.551¢ per kWh, effective January 1,
18 2017, that was designed to recover the estimated above-market costs associated with
19 long-term contracts that Company expected to incur during the period January 1, 2017
20 through June 30, 2017. This factor will terminate on June 30, 2017 at which time a new
21 charge or credit factor will become effective to either recover or credit the estimated

1 above or below market value of Contract Products during the period July 1, 2017 through
2 December 31, 2017. Line (10) shows the net LTC Recovery Factor of 0.654¢ per kWh to
3 be effective April 1, 2017 through June 30, 2017.

4
5 **Q. Please describe the revenue billed through the LTC Recovery Factor and reflected**
6 **in Column (b) of the LTC reconciliation shown on Schedule ASC-18, Page 1.**

7 A. Page 3 contains the derivation of the LTC Recovery Factor revenue billed during the
8 reconciliation period. For billing purposes, the LTC Recovery Factor and the Net
9 Metering Charge are combined and shown on customers' bills as the Renewable Energy
10 Distribution Charge. Column (a) on Page 3 shows the monthly Renewable Energy
11 Distribution Charge. The LTC Recovery Factor revenue reflected in the LTC
12 reconciliation is the result of disaggregating the revenue billed through the Renewable
13 Energy Distribution Charge. The first step is to remove the revenue related to the Net
14 Metering Charge portion of the Renewable Energy Distribution Charge revenue, which is
15 shown in Column (b). The LTC Recovery Factor revenue is shown in Column (c) and is
16 the difference between the Renewable Energy Distribution Charge revenue shown in
17 Column (a) and the Net Metering Charge revenue shown in Column (b). Column (d)
18 represents the revenue associated with the prior year's under-recovery. The revenue
19 supporting the uncollectible expense allowance is shown in Column (f). The remaining
20 LTC Recovery Factor revenue shown in Column (g) represents the base revenue
21 available to offset LTC expenses incurred during the reconciliation period.

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

3 A. Page 4 shows a summary of monthly expenses associated with the Company's long term
4 and distributed generation standard contracts. The total contract cost shown in Column
5 (a) less capacity revenue in Column (b) results in net contract payments shown in
6 Column (c) for the 12-month period. The Contract Products, consisting of the energy
7 market proceeds resulting from the sale of the purchased energy into the ISO-NE energy
8 market and the value of the RECs, are shown in Columns (d) and (e), respectively. The
9 above market cost in Column (f) is the net contract cost less the value received for the
10 Contract Products. Column (g) shows Other Charges and Credits, representing forfeited
11 performance guarantee deposits retained from resources that did not complete required
12 contract milestones. Column (h) shows the contract remuneration and Column (i) shows
13 the total costs to be recovered for the year.

14
15 **Q. Please describe the contract costs in more detail.**

16 A. As described above, the Company executes contracts with eligible renewable resources to
17 purchase energy, capacity, and RECs at a bundled price. Twenty-nine resources that
18 have executed contracts under either the long-term contracting or distributed generation
19 standard statutes were commercially operating at least one or more months during the
20 reconciliation period. The amount paid each month under the individual contracts is
21 equal to the MWh generated by the renewable resource multiplied by each contract's

1 bundled price. If the resource has bid capacity into the ISO-NE Forward Capacity
2 Market and is receiving capacity payments from ISO-NE, these payments are reflected on
3 the monthly contract invoice as a reduction to the total payment owed to the resource.
4

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

6 A. The Company sells the energy generated by each renewable resource into the ISO-NE
7 energy market and receives a payment from ISO-NE equal to the hourly generation of
8 each resource multiplied by the hourly locational marginal price.
9

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

11 A. As first approved in the Company's 2013 Renewable Energy Standard Plan in Docket
12 No. 4315, the Company utilizes the RECs produced by each resource to satisfy its RES
13 obligation for SOS. The Company determines the market value of the RECs on a
14 quarterly basis as they are delivered. RECs are delivered to the Company through the
15 NEPOOL GIS on a quarterly basis, and the Company assesses their value at delivery
16 every three months by calculating the average of the available market prices two weeks
17 before and after the delivery. Market price information includes recent REC solicitation
18 results, broker information, and published indices in accordance with the methodology
19 approved in the RES Plan
20

21 To illustrate the valuation methodology, after the first quarter of generation is completed,

1 the RECs are “minted” or created within the GIS and then delivered to the Company. At
2 this point, the Company averages the available market price points for the period two
3 weeks prior to and after the delivery date. This calculation produces the current market
4 value, which is then applied to the quantity of RECs delivered for that quarterly period.
5 On an annual basis, there are four REC deliveries through the GIS, and those quarterly
6 deliveries are valued using this methodology. Thus the value of the each delivery of
7 RECs reflects the market price at the time they were delivered.

8
9 The value of the generated RECs is recorded in the LTC Recovery Factor reconciliation
10 as a credit, or an offset to total cost, and is simultaneously recorded in the RES
11 reconciliation⁶ as an expense.

12
13 **Q. Please describe the calculation of the contract remuneration.**

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

16
17 **Q. What is the status of the under-recovery of costs incurred as of December 2015?**

18 A. Schedule ASC-18, Page 5, contains the status of the under-recovery incurred during the
19 period January 2015 through December 2015. This balance is currently being recovered
20 from customers during the period April 1, 2016 through March 31, 2017. The Company
21 will continue to recover the under-recovery through March 31, 2017. The ending

⁶ Pursuant to R.I. Gen. Laws § 39-26-1

1 balances, positive or negative, will be included as an adjustment to the LTC Recovery
2 reconciliation for the period January 2017 through December 2017, which will be filed
3 with the PUC in early 2018.
4

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

6 A. Schedule ASC-18, Page 6, presents the final balance of the under-recovery incurred
7 during the period January 2014 through December 2014. Of the approximately \$8.7
8 million under-recovery, the Company under-recovered a net of \$378,233. This remaining
9 balance is reflected in the current reconciliation as an adjustment to the amount to be
10 recovered by the Company.
11

12 **X. Typical Bills**

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

15 A. Yes. The typical bill analysis is included in Schedule ASC-19. The impact of all rate
16 changes proposed in this filing on a typical residential SOS customer using 500 kWh per
17 month is an increase of \$1.54, from \$94.48 to \$96.02 or approximately 1.6% percent.
18

1 **XI. Summary of Retail Delivery Rates**

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

5 A. No, the Company is not revising these tariffs at this time. The Company currently has
6 rate changes for April 1, 2017 pending approval by the PUC in Docket No. 4682, the
7 Fiscal Year 2018 Electric Infrastructure, Safety, and Reliability Plan. In addition, the
8 Company will submit its RES filing before March 1, 2017 and will propose its RES
9 charge effective April 1, 2017. Therefore, the Company will submit its revised Summary
10 of Rates Tariffs as compliance filing once the PUC has issued its decision in all dockets
11 related to rate changes proposed for April 1, 2017.

12
13 **XII. Conclusion**

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

15 A. Yes, it does.

Schedules of Adam S. Crary

Schedule ASC-1	Summary of Proposed Rate Changes Effective April 1, 2017 through March 31, 2018
Schedule ASC-2	Standard Offer Service Reconciliation for the period January 2016 through December 2016
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 2016 through December 2016
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 2016 through December 2016
Schedule ASC-11	Calculation of Proposed Base Transmission Charges
Schedule ASC-12	Transmission Service Reconciliation for the period January 2016 through December 2016
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 2016 through December 2016
Schedule ASC-16	Calculation of Net Metering Charge
Schedule ASC-17	Net Metering Report for 2016
Schedule ASC-18	LTCRER Reconciliation and Calculation of Proposed LTC Factor
Schedule ASC-19	Typical Bill Analysis

Schedule ASC-1

Summary of Proposed Rate Changes

Effective April 1, 2017 through March 31, 2018

The Narragansett Electric Company
Summary of Proposed Rate Changes for April 1, 2017

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	(\$0.00471)	\$0.00148	\$0.00009	\$0.00048	\$0.00057
(2) A-60	(\$0.00471)	\$0.00148	\$0.00009	\$0.00048	\$0.00057
(3) C-06	(\$0.00310)	\$0.00122	\$0.00009	\$0.00048	\$0.00057
(4) G-02 per kWh	(\$0.00310)	\$0.00122	\$0.00009	\$0.00048	\$0.00057
(5) G-32/B-32 per kWh	(\$0.00507)	\$0.00122	\$0.00009	\$0.00048	\$0.00057
(6) G-62/B-62 per kWh	(\$0.00507)	\$0.00122	\$0.00009	\$0.00048	\$0.00057
(7) Streetlights	(\$0.00310)	\$0.00122	\$0.00009	\$0.00048	\$0.00057
(8) X-01 per kWh	(\$0.00507)	\$0.00122	\$0.00009	\$0.00048	\$0.00057

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	\$0.03169	(\$0.00029)	\$0.00039	\$0.03179	\$0.00023	\$0.00654
(10) A-60	\$0.03169	(\$0.00029)	\$0.00039	\$0.03179	\$0.00023	\$0.00654
(11) C-06	\$0.03183	(\$0.00380)	\$0.00035	\$0.02838	\$0.00023	\$0.00654
(12) G-02 per kWh	\$0.01269	(\$0.00205)	\$0.00031	\$0.01095	\$0.00023	\$0.00654
(13) G-02 per kW	\$4.37			\$4.37		
(14) G-32/B-32 per kWh	\$0.01172	(\$0.00079)	\$0.00030	\$0.01123	\$0.00023	\$0.00654
(15) G-32/B-32 per kW	\$4.69			\$4.69		
(16) G-62/B-62 per kWh	\$0.01426	\$0.00066	\$0.00032	\$0.01524	\$0.00023	\$0.00654
(17) G-62/B-62 per kW	\$3.40			\$3.40		
(18) Streetlights	\$0.01447	\$0.00319	\$0.00025	\$0.01791	\$0.00023	\$0.00654
(19) X-01 per kWh	\$0.01426	\$0.00066	\$0.00032	\$0.01524	\$0.00023	\$0.00654
(20) X-01 per kW	\$3.40			\$3.40		

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

Schedule ASC – 2

Standard Offer Service Reconciliations

For the Period of January 2016 through December 2016

STANDARD OFFER SERVICE RECONCILIATION
For the Period January 1, 2016 through December 31, 2016

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)
(1)	Jan-16	\$0	\$15,168,526	\$46,639,717	(\$31,471,192)	(\$31,471,192)
	Feb-16	(\$31,471,192)	\$30,173,687	\$42,107,887	(\$11,934,200)	(\$43,405,392)
	Mar-16	(\$43,405,392)	\$28,893,888	\$26,430,442	\$2,463,446	(\$40,941,946)
	Apr-16	(\$40,941,946)	\$24,591,973	\$18,822,459	\$5,769,514	(\$35,172,432)
	May-16	(\$35,172,432)	\$19,951,740	\$16,076,755	\$3,874,985	(\$31,297,447)
	Jun-16	(\$31,297,447)	\$24,240,412	\$19,534,240	\$4,706,172	(\$26,591,275)
	Jul-16	(\$26,591,275)	\$29,347,850	\$26,961,056	\$2,386,794	(\$24,204,481)
	Aug-16	(\$24,204,481)	\$34,827,122	\$26,217,349	\$8,609,773	(\$15,594,708)
	Sep-16	(\$15,594,708)	\$30,979,803	\$17,553,675	\$13,426,128	(\$2,168,580)
	Oct-16	(\$2,168,580)	\$21,974,914	\$15,243,737	\$6,731,177	\$4,562,596
	Nov-16	\$4,562,596	\$19,622,740	\$17,612,681	\$2,010,059	\$6,572,655
	Dec-16	\$6,572,655	\$22,651,933	\$28,163,226	(\$5,511,292)	\$1,061,363
(2)	Jan-17	\$1,061,363	\$15,432,725		\$15,432,725	\$16,494,088
	Subtotal	\$0	\$317,857,312	\$301,363,225	\$16,494,088	\$16,494,088
(3)	Remaining Balance from Over(Under) Recovery incurred during 2014					(\$1,101,347)
(4)	Total Net Unbilled SOS Billing Adjustments					\$835,087
	Total Adjustments					(\$266,260)
	Ending Balance Prior to Application of Interest					\$16,227,827
(5)	Interest					\$179,047
	Ending Balance Including Interest					<u>\$16,406,874</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 7, Section 1, columns (g)					
	(4) Sum of Page 2, Line (4) and Page 3, Line (4)					
	(5) [(Beginning balance + Ending balance) ÷ 2] x [(2.54% x 2/12) + (2.14% x 10/12)]					

Column Notes:

Column (a) Column (e) from previous row
Column (b) Pages 2, 3 and 4, Column (b)
Column (c) Pages 2, 3 and 4, Column (c)
Column (d) Column (b) - Column (c)
Column (e) Column (a) + Column (d)

STANDARD OFFER SERVICE RECONCILIATION
For the Period January 1, 2016 through December 31, 2016

Base Reconciliation - By Customer Group

Residential					
<u>Month</u>	<u>Over/(Under) Beginning Balance</u> (a)	<u>Revenue</u> (b)	<u>Expense</u> (c)	<u>Monthly Over/(Under)</u> (d)	<u>Over/(Under) Ending Balance</u> (e)
(1) Jan-16	\$0	\$8,860,797	\$32,740,365	(\$23,879,568)	(\$23,879,568)
Feb-16	(\$23,879,568)	\$19,103,576	\$29,884,643	(\$10,781,067)	(\$34,660,635)
Mar-16	(\$34,660,635)	\$18,502,202	\$17,983,049	\$519,153	(\$34,141,482)
Apr-16	(\$34,141,482)	\$16,554,481	\$13,078,645	\$3,475,837	(\$30,665,646)
May-16	(\$30,665,646)	\$14,013,589	\$11,243,718	\$2,769,872	(\$27,895,774)
Jun-16	(\$27,895,774)	\$17,971,256	\$13,741,394	\$4,229,862	(\$23,665,912)
Jul-16	(\$23,665,912)	\$22,201,054	\$19,685,638	\$2,515,416	(\$21,150,496)
Aug-16	(\$21,150,496)	\$27,205,281	\$19,341,363	\$7,863,918	(\$13,286,578)
Sep-16	(\$13,286,578)	\$23,906,611	\$12,494,529	\$11,412,083	(\$1,874,496)
Oct-16	(\$1,874,496)	\$16,206,344	\$10,813,630	\$5,392,714	\$3,518,219
Nov-16	\$3,518,219	\$14,289,593	\$12,822,914	\$1,466,679	\$4,984,898
Dec-16	\$4,984,898	\$16,461,762	\$20,905,808	(\$4,444,046)	\$540,852
(2) Jan-17	\$540,852	\$11,023,488		\$11,023,488	\$11,564,340
<u>Adjustments</u>					
(3) Remaining Balance from Over(Under) Recovery incurred during 2014					(\$170,897)
(4) Total Net Unbilled SOS Billing Adjustments - Residential					\$736,889
Ending Balance Prior to Application of Interest					\$12,130,332
(5) Interest					\$133,838
Ending Balance Including Interest					<u><u>\$12,264,170</u></u>

- (1) Reflects revenues based on kWhs consumed after January 1
(2) Reflects revenues based on kWhs consumed prior to January 1
(3) Final values on Page 7, Section 1, columns (g) - Residential
(4) Schedule ASC-8, page 1, Column (a) Total
(5) $[(\text{Beginning Balance} + \text{Ending Balance}) \div 2] \times [(2.54\% \times 2/12) + (2.14\% \times 10/12)]$

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, 2016 through December 31, 2016

Base Reconciliation - By Customer Group

Commercial					
<u>Month</u>	<u>Over/(Under) Beginning Balance</u> (a)	<u>Revenue</u> (b)	<u>Expense</u> (c)	<u>Monthly Over/(Under)</u> (d)	<u>Over/(Under) Ending Balance</u> (e)
(1) Jan-16	\$0	\$5,124,921	\$11,070,117	(\$5,945,196)	(\$5,945,196)
Feb-16	(\$5,945,196)	\$8,231,311	\$9,692,865	(\$1,461,555)	(\$7,406,751)
Mar-16	(\$7,406,751)	\$7,861,707	\$6,597,387	\$1,264,320	(\$6,142,431)
Apr-16	(\$6,142,431)	\$5,947,166	\$4,555,707	\$1,391,460	(\$4,750,971)
May-16	(\$4,750,971)	\$4,626,047	\$3,965,525	\$660,522	(\$4,090,449)
Jun-16	(\$4,090,449)	\$5,186,259	\$4,818,246	\$368,013	(\$3,722,436)
Jul-16	(\$3,722,436)	\$6,022,291	\$5,851,187	\$171,104	(\$3,551,333)
Aug-16	(\$3,551,333)	\$6,489,237	\$5,644,970	\$844,267	(\$2,707,066)
Sep-16	(\$2,707,066)	\$6,042,719	\$4,249,135	\$1,793,583	(\$913,483)
Oct-16	(\$913,483)	\$4,838,694	\$3,640,017	\$1,198,677	\$285,194
Nov-16	\$285,194	\$4,535,294	\$4,169,807	\$365,487	\$650,681
Dec-16	\$650,681	\$5,201,655	\$6,125,655	(\$924,000)	(\$273,319)
(2) Jan-17	(\$273,319)	\$3,661,119		\$3,661,119	\$3,387,800
<u>Adjustments</u>					
(3) Remaining Balance from Over(Under) Recovery incurred during 2014					(\$542,274)
(4) Total Net Unbilled SOS Billing Adjustments - Commercial					\$98,199
Ending Balance Prior to Application of Interest					\$2,943,724
(5) Interest					\$32,479
Ending Balance Including Interest					<u><u>\$2,976,203</u></u>

- (1) Reflects revenues based on kWhs consumed after January 1
(2) Reflects revenues based on kWhs consumed prior to January 1
(3) Final values on Page 7, Section 1, columns (g) - Commercial
(4) Schedule ASC-8, page 1, Column (b) Total
(5) $[(\text{Beginning Balance} + \text{Ending Balance}) \div 2] \times [(2.54\% \times 2/12) + (2.14\% \times 10/12)]$

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, 2016 through December 31, 2016

Base Reconciliation - By Customer Group

Industrial					
<u>Month</u>	<u>Over/(Under) Beginning Balance</u> (a)	<u>Revenue</u> (b)	<u>Expense</u> (c)	<u>Monthly Over/(Under)</u> (d)	<u>Over/(Under) Ending Balance</u> (e)
(1) Jan-16	\$0	\$1,182,807	\$2,829,235	(\$1,646,428)	(\$1,646,428)
Feb-16	(\$1,646,428)	\$2,838,800	\$2,530,378	\$308,422	(\$1,338,006)
Mar-16	(\$1,338,006)	\$2,529,980	\$1,850,006	\$679,973	(\$658,033)
Apr-16	(\$658,033)	\$2,090,325	\$1,188,107	\$902,218	\$244,185
May-16	\$244,185	\$1,312,103	\$867,512	\$444,591	\$688,776
Jun-16	\$688,776	\$1,082,897	\$974,601	\$108,297	\$797,073
Jul-16	\$797,073	\$1,124,505	\$1,424,231	(\$299,725)	\$497,348
Aug-16	\$497,348	\$1,132,604	\$1,231,016	(\$98,412)	\$398,936
Sep-16	\$398,936	\$1,030,473	\$810,011	\$220,463	\$619,398
Oct-16	\$619,398	\$929,875	\$790,090	\$139,785	\$759,184
Nov-16	\$759,184	\$797,853	\$619,960	\$177,893	\$937,076
Dec-16	\$937,076	\$988,516	\$1,131,762	(\$143,246)	\$793,830
(2) Jan-17	\$793,830	\$748,118		\$748,118	\$1,541,948
<u>Adjustments</u>					
(3) Remaining Balance from Over(Under) Recovery incurred during 2014					(\$388,176)
Ending Balance Prior to Application of Interest					\$1,153,771
(4) Interest					\$12,730
Ending Balance Including Interest					<u><u>\$1,166,501</u></u>

- (1) Reflects revenues based on kWhs consumed after January 1
(2) Reflects revenues based on kWhs consumed prior to January 1
(3) Final values on Page 7, Section 1, columns (g) - Industrial
(4) $[(\text{Beginning Balance} + \text{Ending Balance}) \div 2] \times [(2.54\% \times 2/12) + (2.14\% \times 10/12)]$

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, 2016 through December 31, 2016

Revenue

		Residential	Commercial			Industrial			Grand
		Total Base Revenues	Base Revenues	HVM Discount	Total Base Revenues	Base Revenues	HVM Discount	Total Base Revenues	Total Base Revenue
		(a)	(a)	(b)	(c)	(a)	(b)	(c)	(d)
(1)	Jan-16	\$8,860,797	\$5,125,401	(\$480)	\$5,124,921	\$1,188,559	(\$5,752)	\$1,182,807	\$15,168,526
	Feb-16	\$19,103,576	\$8,232,493	(\$1,182)	\$8,231,311	\$2,852,669	(\$13,869)	\$2,838,800	\$30,173,687
	Mar-16	\$18,502,202	\$7,862,519	(\$812)	\$7,861,707	\$2,539,939	(\$9,959)	\$2,529,980	\$28,893,888
	Apr-16	\$16,554,481	\$5,947,636	(\$470)	\$5,947,166	\$2,098,059	(\$7,735)	\$2,090,325	\$24,591,973
	May-16	\$14,013,589	\$4,626,550	(\$502)	\$4,626,047	\$1,317,582	(\$5,479)	\$1,312,103	\$19,951,740
	Jun-16	\$17,971,256	\$5,186,704	(\$445)	\$5,186,259	\$1,085,905	(\$3,007)	\$1,082,897	\$24,240,412
	Jul-16	\$22,201,054	\$6,023,034	(\$743)	\$6,022,291	\$1,127,321	(\$2,816)	\$1,124,505	\$29,347,850
	Aug-16	\$27,205,281	\$6,489,944	(\$707)	\$6,489,237	\$1,135,458	(\$2,854)	\$1,132,604	\$34,827,122
	Sep-16	\$23,906,611	\$6,043,317	(\$599)	\$6,042,719	\$1,032,933	(\$2,459)	\$1,030,473	\$30,979,803
	Oct-16	\$16,206,344	\$4,839,180	(\$486)	\$4,838,694	\$932,563	(\$2,687)	\$929,875	\$21,974,914
	Nov-16	\$14,289,593	\$4,535,775	(\$481)	\$4,535,294	\$800,057	(\$2,204)	\$797,853	\$19,622,740
	Dec-16	\$16,461,762	\$5,202,147	(\$492)	\$5,201,655	\$991,662	(\$3,145)	\$988,516	\$22,651,933
(2)	Jan-17	<u>\$11,023,488</u>	<u>\$3,661,685</u>	(\$566)	<u>\$3,661,119</u>	<u>\$750,986</u>	(\$2,869)	<u>\$748,118</u>	<u>\$15,432,725</u>
Totals		\$226,300,037	\$73,776,386	(\$7,966)	\$73,768,420	\$17,853,694	(\$64,837)	\$17,788,856	\$317,857,312

(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) Column (a) + Column (b)
- (d) Residential Column (a) + Commercial Column (c) + Industrial Column (c)

STANDARD OFFER SERVICE RECONCILIATION
For the Period January 1, 2016 through December 31, 2016

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-16	\$31,675,735	(\$422,845)	\$1,487,476	\$32,740,365	\$10,257,003	\$340,060	\$473,054	\$11,070,117	\$2,978,971	(\$149,736)	\$2,829,235	\$46,639,717
Feb-16	\$28,382,440	\$341,688	\$1,160,516	\$29,884,643	\$9,503,718	(\$193,137)	\$382,284	\$9,692,865	\$2,694,196	(\$163,818)	\$2,530,378	\$42,107,887
Mar-16	\$16,967,716	\$338,239	\$677,094	\$17,983,049	\$6,675,445	(\$325,445)	\$247,387	\$6,597,387	\$2,101,180	(\$251,174)	\$1,850,006	\$26,430,442
Apr-16	\$11,500,377	\$613,830	\$964,438	\$13,078,645	\$4,391,162	(\$243,430)	\$407,975	\$4,555,707	\$1,406,933	(\$218,826)	\$1,188,107	\$18,822,459
May-16	\$9,837,926	\$645,917	\$759,874	\$11,243,718	\$3,847,170	(\$198,621)	\$316,976	\$3,965,525	\$1,081,100	(\$213,588)	\$867,512	\$16,076,755
Jun-16	\$12,525,426	\$282,418	\$933,550	\$13,741,394	\$4,560,661	(\$105,498)	\$363,083	\$4,818,246	\$1,099,775	(\$125,175)	\$974,601	\$19,534,240
Jul-16	\$17,859,610	\$137,512	\$1,688,517	\$19,685,638	\$5,424,583	(\$160,741)	\$587,345	\$5,851,187	\$1,286,781	\$137,449	\$1,424,231	\$26,961,056
Aug-16	\$17,480,486	\$201,786	\$1,659,091	\$19,341,363	\$5,263,204	(\$118,581)	\$500,347	\$5,644,970	\$1,282,335	(\$51,319)	\$1,231,016	\$26,217,349
Sep-16	\$11,231,765	\$143,681	\$1,119,083	\$12,494,529	\$3,894,853	(\$23,286)	\$377,569	\$4,249,135	\$958,298	(\$148,287)	\$810,011	\$17,553,675
Oct-16	\$9,880,355	\$339,300	\$593,974	\$10,813,630	\$3,500,294	(\$109,836)	\$249,560	\$3,640,017	\$866,171	(\$76,081)	\$790,090	\$15,243,737
Nov-16	\$11,321,182	\$603,180	\$898,552	\$12,822,914	\$3,884,054	(\$78,943)	\$364,697	\$4,169,807	\$977,268	(\$357,308)	\$619,960	\$17,612,681
Dec-16	\$17,993,237	\$830,725	\$2,081,847	\$20,905,808	\$5,569,958	(\$186,755)	\$742,453	\$6,125,655	\$1,408,803	(\$277,041)	\$1,131,762	\$28,163,226
Totals	\$196,656,254	\$4,055,432	\$14,024,011	\$214,735,696	\$66,772,104	(\$1,404,213)	\$5,012,729	\$70,380,620	\$18,141,811	(\$1,894,903)	\$16,246,908	\$301,363,225

Column Notes:

- (a) monthly Standard Offer Service invoices
- (b) monthly Standard Offer Service invoices
- (c) monthly ISO New England bills
- (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, 2016 through December 31, 2016

Status of Prior Period Reconciliation Amounts

Section 1

Reconciliation Period: January 2014 through December 2014
Recovery Period: April 2015 through March 2016
Beginning Balance: (\$5,664,254), per Schedule JAL-2, Page 1, Docket No. 4554

	Residential							Commercial							Industrial													
	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	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)	(a)	(b)	(c)	(d)	(e)	(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)	(\$593,545)		(\$594,707)	(\$593,545)	2.35%	(\$1,165)	(\$595,872)
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)	(\$594,707)		(\$595,872)	(\$594,707)	2.35%	(\$1,168)	(\$596,999)
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)	(\$595,872)		(\$597,133)	(\$595,872)	2.54%	(\$1,264)	(\$598,355)
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	(\$3,304,999)	(\$3,365,341)	2.54%	(\$7,123)	(\$3,312,122)	(\$597,133)	(\$10,347)	(\$607,480)	(\$602,307)	2.54%	(\$1,275)	(\$598,355)	(\$607,480)		(\$599,939)	(\$601,847)	2.54%	(\$1,278)	(\$599,577)
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)	(\$608,755)		(\$599,939)	(\$601,847)	2.54%	(\$1,277)	(\$597,435)
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	(\$2,847,043)	(\$2,969,818)	2.54%	(\$6,286)	(\$2,853,329)	(\$596,213)	\$26,488	(\$569,725)	(\$582,969)	2.54%	(\$1,234)	(\$570,959)	(\$596,213)		(\$599,939)	(\$601,847)	2.54%	(\$1,237)	(\$572,157)
Jul-15	(\$1,400,666)	\$139,274	(\$1,261,392)	(\$1,331,029)	2.54%	(\$2,817)	(\$1,264,209)	(\$2,853,329)	\$264,894	(\$2,588,435)	(\$2,720,882)	2.54%	(\$5,759)	(\$2,594,194)	(\$570,959)	\$25,717	(\$545,242)	(\$558,100)	2.54%	(\$1,181)	(\$546,423)	(\$570,959)		(\$599,939)	(\$601,847)	2.54%	(\$1,184)	(\$547,679)
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)	(\$2,447,422)	2.54%	(\$5,180)	(\$2,305,830)	(\$546,423)	\$27,590	(\$518,833)	(\$532,628)	2.54%	(\$1,127)	(\$519,961)	(\$546,423)		(\$599,939)	(\$601,847)	2.54%	(\$1,130)	(\$521,211)
Sep-15	(\$1,100,010)	\$166,242	(\$933,768)	(\$1,016,889)	2.54%	(\$2,152)	(\$935,920)	(\$2,305,830)	\$296,606	(\$2,009,224)	(\$2,157,527)	2.54%	(\$4,567)	(\$2,013,790)	(\$519,961)	\$26,840	(\$493,120)	(\$506,541)	2.54%	(\$1,072)	(\$494,193)	(\$519,961)		(\$599,939)	(\$601,847)	2.54%	(\$1,075)	(\$495,433)
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)	(\$822,975)		(\$599,939)	(\$601,847)	2.54%	(\$1,026)	(\$474,959)
Nov-15	(\$822,975)	\$98,330	(\$724,644)	(\$773,809)	2.54%	(\$1,638)	(\$726,282)	(\$1,783,442)	\$208,334	(\$1,575,108)	(\$1,679,275)	2.54%	(\$3,554)	(\$1,578,662)	(\$473,707)	\$18,525	(\$455,182)	(\$464,445)	2.54%	(\$983)	(\$456,165)	(\$724,644)		(\$599,939)	(\$601,847)	2.54%	(\$986)	(\$457,417)
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)	(\$600,027)		(\$599,939)	(\$601,847)	2.54%	(\$948)	(\$439,211)
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)	(\$1,110,710)	(\$437,969)	\$15,088	(\$422,882)	(\$430,426)	2.54%	(\$911)	(\$423,793)	(\$468,555)		(\$599,939)	(\$601,847)	2.54%	(\$914)	(\$425,045)
Feb-16	(\$469,687)	\$124,723	(\$344,964)	(\$407,326)	2.54%	(\$862)	(\$345,826)	(\$1,110,710)	\$220,034	(\$890,675)	(\$1,000,692)	2.54%	(\$2,118)	(\$892,794)	(\$423,793)	\$13,820	(\$409,973)	(\$416,883)	2.54%	(\$882)	(\$410,855)	(\$344,964)		(\$599,939)	(\$601,847)	2.54%	(\$885)	(\$412,107)
Mar-16	(\$345,826)	\$120,861	(\$224,965)	(\$285,396)	2.14%	(\$509)	(\$225,474)	(\$892,794)	\$234,650	(\$658,144)	(\$775,469)	2.14%	(\$1,383)	(\$659,527)	(\$410,855)	\$14,614	(\$396,241)	(\$403,548)	2.14%	(\$720)	(\$396,961)	(\$224,965)		(\$599,939)	(\$601,847)	2.14%	(\$723)	(\$398,193)
Apr-16	(\$225,474)	\$54,930	(\$170,544)	(\$198,009)	2.14%	(\$353)	(\$170,897)	(\$659,527)	\$118,323	(\$541,203)	(\$600,365)	2.14%	(\$1,071)	(\$542,274)	(\$396,961)	\$9,484	(\$387,477)	(\$392,219)	2.14%	(\$699)	(\$388,176)	(\$170,544)		(\$599,939)	(\$601,847)	2.14%	(\$702)	(\$389,428)
Total Over/(Under) Recovery																									(\$1,101,347)			

Section 2

Reconciliation Period: January 2015 through December 2015
Recovery Period: April 2016 through March 2017
Beginning Balance: \$9,987,819, per Schedule ASC-2 Revised, Page 1, Docket No. 4599

	Residential							Commercial							Industrial						
	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-16	\$8,629,236		\$8,629,236	\$8,629,236	2.54%	\$18,265	\$8,647,501	(\$2,021,026)		(\$2,021,026)	(\$2,021,026)	2.54%	(\$4,278)	(\$2,025,304)	\$3,379,609		\$3,379,609	\$3,379,609	2.54%	\$7,154	\$3,386,763
Feb-16	\$8,647,501		\$8,647,501	\$8,647,501	2.54%	\$18,304	\$8,665,805	(\$2,025,304)		(\$2,025,304)	(\$2,025,304)	2.54%	(\$4,287)	(\$2,029,591)	\$3,386,763		\$3,386,763	\$3,386,763	2.54%	\$7,169	\$3,393,931
Mar-16	\$8,665,805		\$8,665,805	\$8,665,805	2.14%	\$15,454	\$8,681,259	(\$2,029,591)		(\$2,029,591)	(\$2,029,591)	2.14%	(\$3,619)	(\$2,033,210)	\$3,393,931		\$3,393,931	\$3,393,931	2.14%	\$6,053	\$3,399,984
Apr-16	\$8,681,259	(\$276,026)	\$8,405,233	\$8,543,246	2.14%	\$15,235	\$8,420,469	(\$2,033,210)	\$72,416	(\$1,960,794)	(\$1,997,002)	2.14%	(\$3,561)	(\$1,964,355)	\$3,399,984	(\$81,160)	\$3,318,823	\$3,359,404	2.14%	\$5,991	\$3,324,814
May-16	\$8,420,469	(\$526,831)	\$7,893,637	\$8,157,053	2.14%	\$14,547	\$7,908,184	(\$1,964,355)	\$142,132	(\$1,822,223)	(\$1,893,289)	2.14%	(\$3,376)	(\$1,825,599)	\$3,324,814	(\$254,424)	\$3,070,390	\$3,197,602	2.14%	\$5,702	\$3,076,093
Jun-16	\$7,908,184	(\$677,996)	\$7,230,187	\$7,569,186	2.14%	\$13,498	\$7,243,686	(\$1,825,599)	\$164,626	(\$1,660,973)	(\$1,743,286)	2.14%	(\$3,109)	(\$1,664,082)	\$3,076,093	(\$209,906)	\$2,866,186	\$2,971,140	2.14%	\$5,299	\$2,871,485
Jul-16	\$7,243,686	(\$838,499)	\$6,405,187	\$6,824,437	2.14%	\$12,170	\$6,417,358	(\$1,664,082)	\$187,913	(\$1,476,169)	(\$1,570,125)	2.14%	(\$2,800)	(\$1,478,969)	\$2,871,485	(\$218,998)	\$2,652,487	\$2,761,986	2.14%	\$4,926	\$2,657,413
Aug-16	\$6,417,358	(\$1,027,547)	\$5,389,810	\$5,903,584	2.14%	\$10,528	\$5,400,338	(\$1,478,969)	\$204,695	(\$1,274,274)	(\$1,376,621)	2.14%	(\$2,455)	(\$1,276,729)	\$2,657,413	(\$220,008)	\$2,437,405	\$2,547,409	2.14%	\$4,543	\$2,441,948
Sep-16	\$5,400,338	(\$902,750)	\$4,497,589	\$4,948,964	2.14%	\$8,826	\$4,506,414	(\$1,276,729)	\$197,339	(\$1,079,390)	(\$1,178,059)	2.14%	(\$2,101)	(\$1,081,490)	\$2,441,948	(\$219,464)	\$2,222,484	\$2,332,216	2.14%	\$4,159	\$2,226,643
Oct-16	\$4,506,414	(\$626,935)	\$3,879,479	\$4,192,947	2.14%	\$7,477	\$3,886,957	(\$1,081,490)	\$159,978	(\$921,512)	(\$1,001,501)	2.14%	(\$1,786)	(\$923,298)	\$2,226,643	(\$215,712)	\$2,010,931	\$2,118,787	2.14%	\$3,779	\$2,014,709
Nov-16	\$3,886,957	(\$574,000)	\$3,312,957	\$3,599,957	2.14%	\$6,420	\$3,319,377	(\$923,298)	\$145,041	(\$778,258)	(\$850,778)	2.14%	(\$1,517)	(\$779,775)	\$2,014,709	(\$176,864)	\$1,837,846	\$1,926,277	2.14%	\$3,435	\$1,841,281
Dec-16	\$3,319,377	(\$660,974)	\$2,658,403	\$2,988,890	2.14%	\$5,330	\$2,663,733	(\$779,775)	\$152,055	(\$627,720)	(\$703,747)	2.14%	(\$1,255)	(\$628,975)	\$1,841,281	(\$175,564)	\$1,665,717	\$1,753,499	2.14%	\$3,127	\$1,668,844
Jan-17	\$2,663,733	(\$756,954)	\$1,906,780	\$2,285,257	2.14%	\$4,075	\$1,910,855	(\$628,975)	\$169,277	(\$459,697)	(\$544,336)	2.14%	(\$971)	(\$460,668)	\$1,668,844	(\$192,039)	\$1,476,805	\$1,572,825	2.14%	\$2,805	\$1,479,610
Feb-17	\$1,910,855	\$0	\$1,910,855	\$1,910,855	2.14%	\$3,408	\$1,914,263	(\$460,668)	\$0	(\$460,668)	(\$460,668)	2.14%	(\$822)	(\$461,489)	\$1,479,610	\$0	\$1,479,610	\$1,479,610	2.14%	\$2,639	\$1,482,249
Mar-17	\$1,914,263	\$0	\$1,914,263	\$1,914,263	1.84%	\$2,935	\$1,917,198	(\$461,489)	\$0	(\$461,489)	(\$461,489)	1.84%	(\$708)	(\$462,197)	\$1,482,249	\$0	\$1,482,249	\$1,482,249	1.84%	\$2,273	\$1,484,522
Apr-17	\$1,917,198		\$1,917,198	\$1,917,198	1.84%	\$2,940	\$1,920,138	(\$462,197)		(\$462,197)	(\$462,197)	1.84%	(\$709)	(\$462,906)	\$1,484,522		\$1,484,522	\$1,484,522	1.84%	\$2,276	\$1,486,798

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, 2016 through December 31, 2016	(\$1,166,501)
(2)	Interest During Refund Period	(\$16,808)
(3)	Total Industrial Group SOS Over Collection	(\$1,183,309)
(4)	forecasted Industrial Group SOS kWh for the period April 1, 2017 through March 31, 2018	232,943,007
(5)	Industrial Group SOS Adjustment Factor	(\$0.00507)

Commercial Group SOS Adjustment Factor

(6)	Commercial Group Over Recovery for the period January 1, 2016 through December 31, 2016	(\$2,976,203)
(7)	Interest During Refund Period	(\$42,884)
(8)	Total Commercial Group SOS Over Collection	(\$3,019,087)
(9)	forecasted Commercial Group SOS kWh for the period April 1, 2017 through March 31, 2018	972,590,232
(10)	Commercial Group SOS Adjustment Factor	(\$0.00310)

Residential Group SOS Adjustment Factor

(11)	Residential Group Over Collection for the period January 1, 2016 through December 31, 2016	(\$12,264,170)
(12)	Interest During Refund Period	(\$176,714)
(13)	Total Residential Group SOS Over Collection	(\$12,440,883)
(14)	forecasted Residential Group SOS kWh for the period April 1, 2017 through March 31, 2018	2,641,130,580
(15)	Residential Group SOS Adjustment Factor	(\$0.00471)

Line Descriptions:

(1)	from Schedule ASC-2, Page 4, Ending Balance incl. Interest	(9)	Page 2, Line (4)
(2)	from Page 3, column (5)	(10)	Line (8) ÷ Line (9), truncated to five decimal places
(3)	Line (1) + Line (2)	(11)	from Schedule ASC-2, Page 2, Ending Balance incl. Interest
(4)	Page 2, Line (4)	(12)	from Page 3, column (5)
(5)	Line (3) ÷ Line (4), truncated to five decimal places	(13)	Line (11) + Line (12)
(6)	from Schedule ASC-2, Page 3, Ending Balance incl. Interest	(14)	Page 2, Line (4)
(7)	from Page 3, column (5)	(15)	Line (13) ÷ Line (14), truncated to five decimal places
(8)	Line (6) + Line (7)		

Calculation of Forecasted Standard Offer Deliveries for the Period of April 1, 2017 through March 31, 2018

Forecasted Total kWhs Apr 2017-Mar 2018:				Total
	Res	Comm	Ind	Forecasted kWhs
Apr-2017	219,777,267	151,325,458	200,172,297	571,275,022
May-2017	194,989,337	143,729,850	188,829,666	527,548,853
Jun-2017	225,600,505	158,738,788	205,910,110	590,249,404
Jul-2017	292,078,477	178,077,395	210,089,025	680,244,897
Aug-2017	337,549,763	187,287,233	219,137,886	743,974,882
Sep-2017	285,643,717	179,596,090	220,335,877	685,575,683
Oct-2017	224,676,021	156,159,888	195,537,422	576,373,331
Nov-2017	217,539,630	149,266,034	200,160,958	566,966,622
Dec-2017	256,055,102	164,298,846	207,305,546	627,659,494
Jan-2018	274,044,855	164,065,152	194,261,130	632,371,138
Feb-2018	254,666,651	158,842,157	204,151,122	617,659,930
<u>Mar-2018</u>	<u>245,231,580</u>	<u>160,488,711</u>	<u>197,894,136</u>	<u>603,614,427</u>
Total	3,027,852,906	1,951,875,603	2,443,785,174	7,423,513,683

(1)	Jan 2017 % of SOS kWhs to Total kWhs	87.23%	49.83%	9.53%
(2)	Jan17 SOS kWhs>>	238,033,788	82,156,524	19,219,143
(3)	Jan17 Total kWhs>>	272,887,415	164,878,599	201,626,386

Forecasted SOS kWhs Apr 2017-Mar2018:				Total Forecasted SOS
	Res	Comm	Ind	kWhs
Apr-2017	191,706,955	75,403,198	19,080,538	286,190,691
May-2017	170,084,980	71,618,421	17,999,352	259,702,753
Jun-2017	196,786,440	79,097,149	19,627,470	295,511,059
Jul-2017	254,773,736	88,733,285	20,025,807	363,532,828
Aug-2017	294,437,355	93,322,409	20,888,349	408,648,114
Sep-2017	249,160,834	89,490,028	21,002,542	359,653,405
Oct-2017	195,980,032	77,812,121	18,638,739	292,430,893
Nov-2017	189,755,112	74,377,018	19,079,458	283,211,588
Dec-2017	223,351,325	81,867,642	19,760,484	324,979,451
Jan-2018	239,043,398	81,751,196	18,517,083	339,311,677
Feb-2018	222,140,210	79,148,656	19,459,802	320,748,668
<u>Mar-2018</u>	<u>213,910,202</u>	<u>79,969,109</u>	<u>18,863,383</u>	<u>312,742,693</u>
(4) Total	2,641,130,580	972,590,232	232,943,007	3,846,663,819

Line Notes:

- (1) Line (2) / Line (3)
- (2) Company revenue reports
- (3) Company revenue reports
- (4) Forecasted kWh x Line (1)

Calculation of Interest During Recovery/Refund Period
For the Standard Offer Service Over/Under Recovery Incurred During the Period Ending December 31, 2016

Residential						Commercial						Industrial					
Month	Beginning Balance (1)	(Charge)/ Refund (2)	Ending Balance (3)	Interest Rate (4)	Interest (5)	Month	Beginning Balance (1)	(Charge)/ Refund (2)	Ending Balance (3)	Interest Rate (4)	Interest (5)	Month	Beginning Balance (1)	(Charge)/ Refund (2)	Ending Balance (3)	Interest Rate (4)	Interest (5)
Jan-17	\$12,264,170		\$12,264,170	2.14%	\$21,871	Jan-17	\$2,976,203		\$2,976,203	2.14%	\$5,308	Jan-17	\$1,166,501		\$1,166,501	2.14%	\$2,080
Feb-17	\$12,286,041		\$12,286,041	2.14%	\$21,910	Feb-17	\$2,981,511		\$2,981,511	2.14%	\$5,317	Feb-17	\$1,168,582		\$1,168,582	2.14%	\$2,084
Mar-17	\$12,307,951		\$12,307,951	1.84%	\$18,872	Mar-17	\$2,986,828		\$2,986,828	1.84%	\$4,580	Mar-17	\$1,170,666		\$1,170,666	1.84%	\$1,795
Apr-17	\$12,326,823	\$1,027,235	\$11,299,588	1.84%	\$18,114	Apr-17	\$2,991,408	\$249,284	\$2,742,124	1.84%	\$4,396	Apr-17	\$1,172,461	\$97,705	\$1,074,756	1.84%	\$1,723
May-17	\$11,317,701	\$1,028,882	\$10,288,819	1.84%	\$16,565	May-17	\$2,746,519	\$249,684	\$2,496,836	1.84%	\$4,020	May-17	\$1,076,478	\$97,862	\$978,617	1.84%	\$1,576
Jun-17	\$10,305,384	\$1,030,538	\$9,274,846	1.84%	\$15,012	Jun-17	\$2,500,856	\$250,086	\$2,250,770	1.84%	\$3,643	Jun-17	\$980,192	\$98,019	\$882,173	1.84%	\$1,428
Jul-17	\$9,289,858	\$1,032,206	\$8,257,651	1.84%	\$13,453	Jul-17	\$2,254,413	\$250,490	\$2,003,923	1.84%	\$3,265	Jul-17	\$883,601	\$98,178	\$785,423	1.84%	\$1,280
Aug-17	\$8,271,104	\$1,033,888	\$7,237,216	1.84%	\$11,890	Aug-17	\$2,007,188	\$250,898	\$1,756,289	1.84%	\$2,885	Aug-17	\$786,703	\$98,338	\$688,365	1.84%	\$1,131
Sep-17	\$7,249,106	\$1,035,587	\$6,213,519	1.84%	\$10,321	Sep-17	\$1,759,174	\$251,311	\$1,507,864	1.84%	\$2,505	Sep-17	\$689,496	\$98,499	\$590,996	1.84%	\$982
Oct-17	\$6,223,841	\$1,037,307	\$5,186,534	1.84%	\$8,748	Oct-17	\$1,510,369	\$251,728	\$1,258,640	1.84%	\$2,123	Oct-17	\$591,978	\$98,663	\$493,315	1.84%	\$832
Nov-17	\$5,195,282	\$1,039,056	\$4,156,225	1.84%	\$7,169	Nov-17	\$1,260,763	\$252,153	\$1,008,611	1.84%	\$1,740	Nov-17	\$494,147	\$98,829	\$395,318	1.84%	\$682
Dec-17	\$4,163,395	\$1,040,849	\$3,122,546	1.84%	\$5,586	Dec-17	\$1,010,351	\$252,588	\$757,763	1.84%	\$1,356	Dec-17	\$396,000	\$99,000	\$297,000	1.84%	\$531
Jan-18	\$3,128,132	\$1,042,711	\$2,085,421	1.84%	\$3,997	Jan-18	\$759,118	\$253,039	\$506,079	1.84%	\$970	Jan-18	\$297,531	\$99,177	\$198,354	1.84%	\$380
Feb-18	\$2,089,418	\$1,044,709	\$1,044,709	1.84%	\$2,403	Feb-18	\$507,049	\$253,524	\$253,524	1.84%	\$583	Feb-18	\$198,734	\$99,367	\$99,367	1.84%	\$229
Mar-18	\$1,047,112	\$1,047,112	\$0	1.84%	\$803	Mar-18	\$254,108	\$254,108	\$0	1.84%	\$195	Mar-18	\$99,596	\$99,596	\$0	1.84%	\$76

Schedule ASC – 4

Calculation of Standard Offer Administrative Cost Factors

CALCULATION OF STANDARD OFFER SERVICE ADMINISTRATIVE COST FACTOR
For the Period April 1, 2017 through March 31, 2018

<u>Line No.</u>	<u>Total</u>	<u>Residential</u>	<u>Commercial</u>	<u>Industrial</u>
(1) Estimated Commodity Related Uncollectible Expense for 2017	\$3,013,905	\$2,087,153	\$762,997	\$163,755
(2) Estimated Other Administrative Expense for 2017	\$2,828,342	\$2,013,773	\$657,317	\$157,251
(3) Estimated Total Administrative Expense for 2017	\$5,842,247	\$4,100,926	\$1,420,314	\$321,006
(4) Forecasted SOS kWh for the period of April 1, 2017 through March 31, 2018	3,846,663,819	2,641,130,580	972,590,232	232,943,007
(5) Estimated SOS Administrative Cost Factor		\$0.00155	\$0.00146	\$0.00137
(6) SOS Administrative Cost Reconciliation Adjustment Factor		(\$0.00007)	(\$0.00024)	(\$0.00015)
(7) SOS Administrative Cost Factor effective April 1, 2017		\$0.00148	\$0.00122	\$0.00122

Line Descriptions:

- (1) from Page 2, line (16)
- (2) fom Page 3, line (4)
- (3) Line 1 + Line 2
- (4) per Schedule ASC-3, page 2, line (4)
- (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 Period April 1, 2017 through March 31, 2018

Section 1: Estimated Commodity Cost/Revenue for April 1, 2017 through March 31, 2018

Line No.		Residential Customer Group			Commercial Customer Group			Industrial Customer Group			Total Estimated SO Cost/Revenue
		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-2017	191,706,955	\$0.06322	\$12,119,714	75,403,198	\$0.06276	\$4,732,305	19,080,538	\$0.04940	\$942,579	\$17,794,597
(2)	May-2017	170,084,980	\$0.06322	\$10,752,772	71,618,421	\$0.06276	\$4,494,772	17,999,352	\$0.04462	\$803,131	\$16,050,676
(3)	Jun-2017	196,786,440	\$0.06322	\$12,440,839	79,097,149	\$0.06276	\$4,964,137	19,627,470	\$0.05640	\$1,106,989	\$18,511,965
(4)	Jul-2017	254,773,736	\$0.06322	\$16,106,796	88,733,285	\$0.06276	\$5,568,901	20,025,807	\$0.05183	\$1,037,938	\$22,713,634
(5)	Aug-2017	294,437,355	\$0.06322	\$18,614,330	93,322,409	\$0.06276	\$5,856,914	20,888,349	\$0.04879	\$1,019,143	\$25,490,387
(6)	Sep-2017	249,160,834	\$0.06322	\$15,751,948	89,490,028	\$0.06276	\$5,616,394	21,002,542	\$0.04149	\$871,395	\$22,239,738
(7)	Oct-2017	195,980,032	\$0.06322	\$12,389,858	77,812,121	\$0.06276	\$4,883,489	18,638,739	\$0.04095	\$763,256	\$18,036,603
(8)	Nov-2017	189,755,112	\$0.06322	\$11,996,318	74,377,018	\$0.06276	\$4,667,902	19,079,458	\$0.04774	\$910,853	\$17,575,073
(9)	Dec-2017	223,351,325	\$0.06322	\$14,120,271	81,867,642	\$0.06276	\$5,138,013	19,760,484	\$0.06564	\$1,297,078	\$20,555,362
(10)	Jan-2018	239,043,398	\$0.06322	\$15,112,324	81,751,196	\$0.06276	\$5,130,705	18,517,083	\$0.08622	\$1,596,543	\$21,839,572
(11)	Feb-2018	222,140,210	\$0.06322	\$14,043,704	79,148,656	\$0.06276	\$4,967,370	19,459,802	\$0.08493	\$1,652,721	\$20,663,795
(12)	Mar-2018	213,910,202	\$0.06322	\$13,523,403	79,969,109	\$0.06276	\$5,018,861	18,863,383	\$0.05825	\$1,098,792	\$19,641,056
(13)	Total	2,641,130,580		\$166,972,275	972,590,232		\$61,039,763	232,943,007		\$13,100,418	\$241,112,457

Section 2: Estimated Commodity-Related Uncollectible Expense for April 1, 2017 through March 31, 2018

(14)	Estimated Rate Year Cost/Revenue	\$166,972,275		\$61,039,763		\$13,100,418	\$241,112,457
(15)	Uncollectible Rate	1.25%		1.25%		1.25%	
(16)	Rate Year Commodity-Related Uncollectible	\$2,087,153		\$762,997		\$163,755	\$3,013,905

Section 1:

Columns (a), (d) and (g), Lines (1) through (12) = Schedule ASC-3, Page 2, Line (4)

Column (b): the sum of the proposed April 1, 2017 base Standard Offer rate of 6.505¢ (Docket No. 4605, filed January 18, 2017, Attachment 1, Page 3, Line (10), Column (g)), the current 2016 RPS rate of 0.288¢, and the proposed SOS Adjustment charge of (0.471¢)

Column (e): the sum of the proposed April 1, 2017 base Standard Offer rate of 6.298¢ (Docket No. 4605, filed January 18, 2017, Attachment 1, Page 4, Line (10), Column (g)), the current 2016 RPS rate of 0.288¢, and the proposed SOS Adjustment charge of (0.310¢)

Column (h): the sum of the proposed April 1, 2017 through June 30, 2017 base Standard Offer rates (Docket No. 4605, filed January 18, 2017, Attachment 1, Page 3, Line (10), Column (g)), the current 2016 RPS rate of 0.288¢, and the proposed SOS Adjustment charge of (0.507¢). The July-2017 through Mar-2018 estimated SOS Base charges are based on the actual July-2016 through Mar-2017 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 Period April 1, 2017 through March 31, 2018

	Total	Residential	Commercial	Industrial
(1) Estimated GIS Cost	\$44,285	\$31,643	\$10,311	\$2,330
(2) Estimated CWC	\$2,420,321	\$1,723,269	\$561,515	\$135,538
(3) Estimate of Other Administrative Costs	<u>\$363,736</u>	<u>\$258,861</u>	<u>\$85,492</u>	<u>\$19,383</u>
(4) Total Other Administrative Expenses	\$2,828,342	\$2,013,773	\$657,317	\$157,251

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), less costs incurred in CY 2016 for Northbridge study
- (4) Line (1) + Line (2) + Line (3)

Schedule ASC – 5

Standard Offer Service Administrative
Cost Reconciliation for the Period
January 2016 through December 2016

STANDARD OFFER SERVICE ADMINISTRATIVE COST ADJUSTMENT RECONCILIATION
For the Period January 1, 2016 through December 31, 2016

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-16	\$0	\$231,025	\$438,632	(\$207,607)	(\$207,607)
Feb-16	(\$207,607)	\$506,314	\$634,744	(\$128,430)	(\$336,037)
Mar-16	(\$336,037)	\$503,216	\$755,934	(\$252,717)	(\$588,754)
Apr-16	(\$588,754)	\$528,944	\$553,804	(\$24,860)	(\$613,614)
May-16	(\$613,614)	\$535,276	\$492,076	\$43,200	(\$570,414)
Jun-16	(\$570,414)	\$645,417	\$549,910	\$95,507	(\$474,907)
Jul-16	(\$474,907)	\$772,647	\$623,997	\$148,651	(\$326,257)
Aug-16	(\$326,257)	\$910,397	\$697,116	\$213,280	(\$112,976)
Sep-16	(\$112,976)	\$823,311	\$634,989	\$188,321	\$75,345
Oct-16	\$75,345	\$608,651	\$522,972	\$85,679	\$161,024
Nov-16	\$161,024	\$550,882	\$489,426	\$61,456	\$222,480
Dec-16	\$222,480	\$613,499	\$531,105	\$82,393	\$304,873
(2) Jan-17	\$304,873	\$406,680	\$201,575	\$205,105	\$509,978
Subtotal	\$0	\$7,636,258	\$7,126,280	\$509,978	\$509,978
(3) Remaining Balance from Over(Under) Recovery incurred during 2014					(\$49,824)
Ending Balance Prior to Application of Interest					\$460,154
(4) Interest					\$5,077
Ending Balance Including Interest					<u><u>\$465,231</u></u>

- (1) Reflects revenues based on kWhs consumed after January 1
(2) Reflects revenues based on kWhs consumed prior to January 1
(4) $[(\text{Beginning balance} + \text{Ending balance}) \div 2] \times [(2.54\% \times 2/12) + (2.14\% \times 10/12)]$

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, 2016 through December 31, 2016

Reconciliation By Customer Group

Residential						Commercial					Industrial				
Month	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
	(a)	(b)	(c)	(d)	(e)	(a)	(b)	(c)	(d)	(e)	(a)	(b)	(c)	(d)	(e)
Jan-16	\$0	\$153,896	\$286,648	(\$132,752)	(\$132,752)	\$0	\$59,961	\$122,931	(\$62,969)	(\$62,969)	\$0	\$17,168	\$29,053	(\$11,886)	(\$11,886)
Feb-16	(\$132,752)	\$333,362	\$419,682	(\$86,320)	(\$219,072)	(\$62,969)	\$130,703	\$164,500	(\$33,797)	(\$96,766)	(\$11,886)	\$42,249	\$50,562	(\$8,313)	(\$20,199)
Mar-16	(\$219,072)	\$323,075	\$504,095	(\$181,020)	(\$400,092)	(\$96,766)	\$138,950	\$195,245	(\$56,295)	(\$153,061)	(\$20,199)	\$41,191	\$56,593	(\$15,402)	(\$35,601)
Apr-16	(\$400,092)	\$342,920	\$378,759	(\$35,839)	(\$435,931)	(\$153,061)	\$140,955	\$134,903	\$6,052	(\$147,009)	(\$35,601)	\$45,069	\$40,143	\$4,927	(\$30,674)
May-16	(\$435,931)	\$338,539	\$345,221	(\$6,682)	(\$442,613)	(\$147,009)	\$141,208	\$118,680	\$22,528	(\$124,481)	(\$30,674)	\$55,528	\$28,175	\$27,354	(\$3,321)
Jun-16	(\$442,613)	\$435,125	\$397,322	\$37,803	(\$404,810)	(\$124,481)	\$164,179	\$127,091	\$37,087	(\$87,394)	(\$3,321)	\$46,113	\$25,496	\$20,617	\$17,296
Jul-16	(\$404,810)	\$537,937	\$458,228	\$79,709	(\$325,101)	(\$87,394)	\$186,980	\$139,346	\$47,634	(\$39,760)	\$17,296	\$47,730	\$26,423	\$21,308	\$38,604
Aug-16	(\$325,101)	\$659,219	\$524,434	\$134,785	(\$190,316)	(\$39,760)	\$203,263	\$146,307	\$56,956	\$17,196	\$38,604	\$47,916	\$26,376	\$21,540	\$60,144
Sep-16	(\$190,316)	\$579,116	\$472,014	\$107,102	(\$83,215)	\$17,196	\$196,374	\$138,477	\$57,896	\$75,093	\$60,144	\$47,821	\$24,498	\$23,323	\$83,467
Oct-16	(\$83,215)	\$402,268	\$376,482	\$25,787	(\$57,428)	\$75,093	\$159,368	\$122,805	\$36,563	\$111,656	\$83,467	\$47,014	\$23,686	\$23,329	\$106,796
Nov-16	(\$57,428)	\$368,183	\$350,370	\$17,814	(\$39,614)	\$111,656	\$144,151	\$117,513	\$26,639	\$138,295	\$106,796	\$38,547	\$21,544	\$17,003	\$123,799
Dec-16	(\$39,614)	\$423,934	\$380,770	\$43,165	\$3,550	\$138,295	\$151,301	\$126,146	\$25,154	\$163,449	\$123,799	\$38,264	\$24,189	\$14,075	\$137,874
Jan-17	\$3,550	\$283,787	\$142,333	\$141,454	\$145,005	\$163,449	\$98,424	\$50,399	\$48,026	\$211,474	\$137,874	\$24,468	\$8,844	\$15,625	\$153,499
Subtotal	\$0	\$5,181,362	\$5,036,357	\$145,005	\$145,005	Subtotal	\$1,915,817	\$1,704,342	\$211,474	\$211,474	Subtotal	\$539,079	\$385,581	\$153,499	\$153,499
(1)	Remaining Balance from Over(Under) Recovery incurred during 2014				\$46,971	Remaining Balance from Over(Under) Recovery incurred during 2014				\$21,661	Remaining Balance from Over(Under) Recovery incurred during 2014				(\$118,456)
	Ending Balance Prior to Application of Interest				\$191,976	Ending Balance Prior to Application of Interest				\$233,136	Ending Balance Prior to Application of Interest				\$35,043
(2)	Interest				\$2,118	Interest				\$2,572	Interest				\$387
(3)	Ending Balance Including Interest				<u>\$194,094</u>	Ending Balance Including Interest				<u>\$235,708</u>	Ending Balance Including Interest				<u>\$35,429</u>

Column Notes:

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

Line Notes:

- (2) [(Beginning balance + Ending balance) ÷ 2] x [(2.54% x 2/12) + (2.14% x 10/12)]
- (3) Ending Balance + Line (2)

STANDARD OFFER SERVICE ADMINISTRATIVE COST ADJUSTMENT RECONCILIATION
For the Period January 1, 2016 through December 31, 2016

<u>Revenue</u>										
Residential			Commercial			Industrial			Grand Total	
Total	SOS Admin. Cost	SOS Admin.	Total	SOS Admin. Cost	SOS Admin.	Total	SOS Admin. Cost	SOS Admin.	SOS Admin. Cost	
Revenue	Reconciliation	Cost	Revenue	Reconciliation	Cost	Revenue	Reconciliation	Cost	Revenue	
	Adjustment	Revenue		Adjustment	Revenue		Adjustment	Revenue		
(a)	Factor Revenue	(c)	(a)	Factor Revenue	(c)	(a)	Factor Revenue	(c)	(d)	
(1) Jan-16	\$140,286	(\$13,610)	\$153,896	\$57,089	(\$2,872)	\$59,961	\$19,272	\$2,105	\$17,168	\$231,025
Feb-16	\$303,881	(\$29,481)	\$333,362	\$124,440	(\$6,263)	\$130,703	\$47,452	\$5,203	\$42,249	\$506,314
Mar-16	\$294,504	(\$28,571)	\$323,075	\$132,294	(\$6,656)	\$138,950	\$46,252	\$5,060	\$41,191	\$503,216
Apr-16	\$402,094	\$59,174	\$342,920	\$163,035	\$22,080	\$140,955	\$66,545	\$21,476	\$45,069	\$528,944
May-16	\$483,347	\$144,807	\$338,539	\$191,574	\$50,366	\$141,208	\$90,384	\$34,856	\$55,528	\$535,276
Jun-16	\$620,839	\$185,714	\$435,125	\$222,562	\$58,384	\$164,179	\$75,771	\$29,657	\$46,113	\$645,417
Jul-16	\$767,381	\$229,443	\$537,937	\$253,567	\$66,588	\$186,980	\$77,535	\$29,804	\$47,730	\$772,647
Aug-16	\$940,392	\$281,173	\$659,219	\$275,740	\$72,477	\$203,263	\$77,753	\$29,837	\$47,916	\$910,397
Sep-16	\$826,278	\$247,162	\$579,116	\$266,326	\$69,953	\$196,374	\$77,657	\$29,836	\$47,821	\$823,311
Oct-16	\$573,907	\$171,639	\$402,268	\$216,074	\$56,705	\$159,368	\$76,371	\$29,357	\$47,014	\$608,651
Nov-16	\$525,171	\$156,987	\$368,183	\$195,523	\$51,372	\$144,151	\$62,618	\$24,070	\$38,547	\$550,882
Dec-16	\$604,927	\$180,993	\$423,934	\$205,182	\$53,881	\$151,301	\$62,157	\$23,893	\$38,264	\$613,499
(2) Jan-17	\$404,909	\$121,122	\$283,787	\$133,485	\$35,061	\$98,424	\$39,747	\$15,279	\$24,468	\$406,680
Totals	\$6,887,915	\$1,706,553	\$5,181,362	\$2,436,891	\$521,075	\$1,915,817	\$819,513	\$280,434	\$539,079	\$7,636,258

- (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) Page 8, 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, 2016 through December 31, 2016

Residential Group Expense

		Standard Offer Service Revenue/Renewable Energy Standard Revenue									
		SOS	SOS	Renewable	Total			Cash	Other		
<u>Month</u>	<u>SOS</u>	<u>Adj. Factor</u>	<u>Admin. Cost</u>	<u>Energy Standard</u>	<u>SOS</u>	<u>Uncollectible</u>	<u>GIS</u>	<u>Working</u>	<u>Admin</u>	<u>Total</u>	
	<u>Base Revenue</u>	<u>Revenue</u>	<u>Adj Revenue</u>	<u>Revenue</u>	<u>Revenue</u>	<u>Expense</u>	<u>(g)</u>	<u>Capital</u>	<u>(i)</u>	<u>(j)</u>	
	(a)	(b)	(c)	(d)	(e)	(f)		(h)			
(1)	Jan-16	\$8,860,797	\$57,587	\$140,286	\$307,785	\$9,366,455	\$117,081	\$2,402	\$143,606	\$23,560	\$286,648
	Feb-16	\$19,103,576	\$124,723	\$303,881	\$666,659	\$20,198,839	\$252,485	\$2,271	\$143,606	\$21,320	\$419,682
	Mar-16	\$18,502,202	\$120,861	\$294,504	\$646,147	\$19,563,714	\$244,546	\$2,042	\$143,606	\$113,901	\$504,095
	Apr-16	\$16,554,481	(\$221,096)	\$402,094	\$572,847	\$17,308,326	\$216,354	\$2,011	\$143,606	\$16,788	\$378,759
	May-16	\$14,013,589	(\$526,831)	\$483,347	\$479,485	\$14,449,590	\$180,620	\$1,829	\$143,606	\$19,167	\$345,221
	Jun-16	\$17,971,256	(\$677,996)	\$620,839	\$614,808	\$18,528,906	\$231,611	\$1,863	\$143,606	\$20,242	\$397,322
	Jul-16	\$22,201,054	(\$838,499)	\$767,381	\$759,530	\$22,889,467	\$286,118	\$5,770	\$143,606	\$22,734	\$458,228
	Aug-16	\$27,205,281	(\$1,027,547)	\$940,392	\$930,755	\$28,048,881	\$350,611	\$2,966	\$143,606	\$27,251	\$524,434
	Sep-16	\$23,906,611	(\$902,750)	\$826,278	\$817,948	\$24,648,087	\$308,101	\$2,944	\$143,606	\$17,363	\$472,014
	Oct-16	\$16,206,344	(\$626,935)	\$573,907	\$568,137	\$16,721,454	\$209,018	\$3,685	\$143,606	\$20,173	\$376,482
	Nov-16	\$14,289,593	(\$574,000)	\$525,171	\$519,677	\$14,760,442	\$184,506	\$1,900	\$143,606	\$20,359	\$350,370
	Dec-16	\$16,461,762	(\$660,974)	\$604,927	\$598,790	\$17,004,505	\$212,556	\$1,960	\$143,606	\$22,647	\$380,770
(2)	Jan-17	\$11,023,488	(\$442,515)	\$404,909	\$400,744	\$11,386,627	\$142,333				\$142,333
Totals		\$226,300,037	(\$6,195,972)	\$6,887,915	\$7,883,313	\$234,875,293	\$2,935,941	\$31,643	\$1,723,269	\$345,504	\$5,036,357

(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) ASC-2, page 2, Column (b) for the Residential Group
Column (b) ASC-2, page 7, Section 1, Column (b) for the Residential Group
Column (c) 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) ISO monthly bill allocated to rate groups based on actual SOS revenue
Column (h) Schedule ASC-6, Page 1, Line (15)
Column (i) Per Company Accounting Reconciliation
Column (j) Column (f) + Column (g) + Column (h) + Column (i)

STANDARD OFFER SERVICE ADMINISTRATIVE COST ADJUSTMENT
For the Period January 1, 2016 through December 31, 2016

Commercial Group Expense

Standard Offer Service/Renewable Energy Standard Revenue						Uncollectible Expense	GIS	Cash Working Capital	Other Admin	Total
Month	SOS Base Revenue	SOS Adj. Factor Revenue	SOS Admin. Cost Adj Revenue	Renewable Energy Standard Revenue	Total SOS Revenue					
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
(1) Jan-16	\$5,124,921	\$101,238	\$57,089	\$105,517	\$5,388,766	\$67,360	\$812	\$46,793	\$7,966	\$122,931
Feb-16	\$8,231,311	\$220,034	\$124,440	\$228,644	\$8,804,429	\$110,055	\$737	\$46,793	\$6,915	\$164,500
Mar-16	\$7,861,707	\$234,650	\$132,294	\$244,692	\$8,473,343	\$105,917	\$749	\$46,793	\$41,787	\$195,245
Apr-16	\$5,947,166	\$190,739	\$163,035	\$224,011	\$6,524,952	\$81,562	\$701	\$46,793	\$5,848	\$134,903
May-16	\$4,626,047	\$142,132	\$191,574	\$198,798	\$5,158,552	\$64,482	\$645	\$46,793	\$6,760	\$118,680
Jun-16	\$5,186,259	\$164,626	\$222,562	\$230,363	\$5,803,811	\$72,548	\$653	\$46,793	\$7,098	\$127,091
Jul-16	\$6,022,291	\$187,913	\$253,567	\$262,682	\$6,726,454	\$84,081	\$1,715	\$46,793	\$6,757	\$139,346
Aug-16	\$6,489,237	\$204,695	\$275,740	\$285,918	\$7,255,590	\$90,695	\$866	\$46,793	\$7,953	\$146,307
Sep-16	\$6,042,719	\$197,339	\$266,326	\$275,878	\$6,782,262	\$84,778	\$1,001	\$46,793	\$5,905	\$138,477
Oct-16	\$4,838,694	\$159,978	\$216,074	\$223,756	\$5,438,501	\$67,981	\$1,240	\$46,793	\$6,790	\$122,805
Nov-16	\$4,535,294	\$145,041	\$195,523	\$202,668	\$5,078,526	\$63,482	\$618	\$46,793	\$6,620	\$117,513
Dec-16	\$5,201,655	\$152,055	\$205,182	\$212,569	\$5,771,460	\$72,143	\$574	\$46,793	\$6,636	\$126,146
(2) Jan-17	\$3,661,119	\$98,960	\$133,485	\$138,323	\$4,031,886	\$50,399				\$50,399
Totals	\$73,768,420	\$2,199,402	\$2,436,891	\$2,833,821	\$81,238,533	\$1,015,482	\$10,311	\$561,515	\$117,035	\$1,704,342

- (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) ASC-2, page 3, Column (b) for the Commercial Group
Column (b) ASC-2, page 7, Section 1, Column (b) for the Commercial Group
Column (c) Page 3, Column (a) for the Commercial Group
Column (d) 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, Page 1, Line (14)
Column (i) Per Company Accounting Reconciliation
Column (j) Column (f) + Column (g) + Column (h) + Column (i)

STANDARD OFFER SERVICE ADMINISTRATIVE COST ADJUSTMENT RECONCILIATION
For the Period January 1, 2016 through December 31, 2016

Industrial Group Expense

Standard Offer Service/Renewable Energy Standard Revenue										
<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 & 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-16	\$1,182,807	\$6,539	\$19,272	\$32,562	\$1,241,181	\$15,515	\$208	\$11,295	\$2,036	\$29,053
Feb-16	\$2,838,800	\$13,820	\$47,452	\$81,544	\$2,981,616	\$37,270	\$192	\$11,295	\$1,805	\$50,562
Mar-16	\$2,529,980	\$14,614	\$46,252	\$78,793	\$2,669,638	\$33,370	\$210	\$11,295	\$11,718	\$56,593
Apr-16	\$2,090,325	(\$71,677)	\$66,545	\$86,009	\$2,171,203	\$27,140	\$183	\$11,295	\$1,525	\$40,143
May-16	\$1,312,103	(\$254,424)	\$90,384	\$72,752	\$1,220,815	\$15,260	\$141	\$11,295	\$1,479	\$28,175
Jun-16	\$1,082,897	(\$209,906)	\$75,771	\$61,938	\$1,010,700	\$12,634	\$132	\$11,295	\$1,436	\$25,496
Jul-16	\$1,124,505	(\$218,998)	\$77,535	\$62,201	\$1,045,243	\$13,066	\$417	\$11,295	\$1,645	\$26,423
Aug-16	\$1,132,604	(\$220,008)	\$77,753	\$62,265	\$1,052,614	\$13,158	\$189	\$11,295	\$1,734	\$26,376
Sep-16	\$1,030,473	(\$219,464)	\$77,657	\$62,265	\$950,931	\$11,887	\$191	\$11,295	\$1,126	\$24,498
Oct-16	\$929,875	(\$215,712)	\$76,371	\$61,267	\$851,802	\$10,648	\$269	\$11,295	\$1,474	\$23,686
Nov-16	\$797,853	(\$176,864)	\$62,618	\$50,234	\$733,840	\$9,173	\$92	\$11,295	\$984	\$21,544
Dec-16	\$988,516	(\$175,564)	\$62,157	\$49,864	\$924,974	\$11,562	\$106	\$11,295	\$1,226	\$24,189
Jan-17	\$748,118	(\$112,266)	\$39,747	\$31,886	\$707,485	\$8,844				\$8,844
Totals	\$17,788,856	(\$1,839,909)	\$819,513	\$793,579	\$17,562,040	\$219,526	\$2,330	\$135,538	\$28,187	\$385,581

Column Notes:

- Column (a) ASC-2, page 4, Column (b) for the Industrial Group
Column (b) ASC-2, page 7, Section 1, Column (b) for the Industrial Group
Column (c) Page 3, Column (a) for the Industrial Group
Column (d) 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) ISO monthly bill allocated to rate groups based on actual SOS revenue
Column (h) Schedule ASC-6, Page 1, Line (13)
Column (i) Per Company Accounting Reconciliation
Column (j) Column (f) + Column (g) + Column (h) + Column (i)

STANDARD OFFER SERVICE ADMINISTRATIVE COST ADJUSTMENT RECONCILIATION
For the Period January 1, 2016 through December 31, 2016

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

Section 1

Reconciliation Period: January 2014 through December 2014
Recovery Period: April 2015 through March 2016
Beginning Balance: \$300,966, per Schedule JAL-5, Page 1, Docket No. 4554

	Residential							Commercial							Industrial						
	Over(Under)			Over/(Under)				Over(Under)			Over/(Under)				Over(Under)			Over/(Under)			
	Beginning	Charge	Ending	Interest	Interest	Interest	Ending	Beginning	Charge	Ending	Interest	Interest	Interest	Ending	Beginning	Charge	Ending	Interest	Interest	Interest	Ending
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-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	(\$29,481)	\$88,081	\$102,821	2.54%	\$218	\$88,298	\$37,772	(\$6,263)	\$31,509	\$34,640	2.54%	\$73	\$31,583	(\$131,067)	\$5,203	(\$125,864)	(\$128,466)	2.54%	(\$272)	(\$126,136)
Mar-16	\$88,298	(\$28,571)	\$59,727	\$74,013	2.14%	\$132	\$59,859	\$31,583	(\$6,656)	\$24,926	\$28,254	2.14%	\$50	\$24,977	(\$126,136)	\$5,060	(\$121,076)	(\$123,606)	2.14%	(\$220)	(\$121,296)
Apr-16	\$59,859	(\$12,983)	\$46,876	\$53,367	2.14%	\$95	\$46,971	\$24,977	(\$3,357)	\$21,620	\$23,298	2.14%	\$42	\$21,661	(\$121,296)	\$3,054	(\$118,242)	(\$119,769)	2.14%	(\$214)	(\$118,456)

Section 2

Reconciliation Period: January 2015 through December 2015
Recovery Period: April 2016 through March 2017
Beginning Balance: (\$3,548,566), per Schedule ASC-5 Revised, Page 1, Docket No. 4599

Residential								Commercial								Industrial							
Month	Over(Under)	Charge (Refund)	Ending Balance	Interest Balance	Interest Rate	Interest (f)	Over/(Under) Recovery w/ Interest	Over(Under) Balance	Charge (Refund)	Ending Balance	Interest Balance	Interest Rate	Interest (f)	Over/(Under) Recovery w/ Interest	Over(Under) Balance	Charge (Refund)	Ending Balance	Interest Balance	Interest Rate	Interest (f)	Over/(Under) Recovery w/ Interest		
	Beginning Balance						Beginning Balance							Beginning Balance							Beginning Balance	Beginning Balance	Beginning Balance
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(a)	(b)	(c)	(d)	(e)	(f)	(g)		
Jan-16	(\$2,366,898)		(\$2,366,898)	(\$2,366,898)	2.54%	(\$5,010)	(\$2,371,908)	(\$720,030)		(\$720,030)	(\$720,030)	2.54%	(\$1,524)	(\$721,554)	(\$461,638)		(\$461,638)	(\$461,638)	2.54%	(\$977)	(\$462,615)		
Feb-16	(\$2,371,908)		(\$2,371,908)	(\$2,371,908)	2.54%	(\$5,021)	(\$2,376,928)	(\$721,554)		(\$721,554)	(\$721,554)	2.54%	(\$1,527)	(\$723,081)	(\$462,615)		(\$462,615)	(\$462,615)	2.54%	(\$979)	(\$463,594)		
Mar-16	(\$2,376,928)		(\$2,376,928)	(\$2,376,928)	2.14%	(\$4,239)	(\$2,381,167)	(\$723,081)		(\$723,081)	(\$723,081)	2.14%	(\$1,290)	(\$724,371)	(\$463,594)		(\$463,594)	(\$463,594)	2.14%	(\$827)	(\$464,421)		
Apr-16	(\$2,381,167)	\$72,158	(\$2,309,010)	(\$2,345,088)	2.14%	(\$4,182)	(\$2,313,192)	(\$724,371)	\$25,437	(\$698,934)	(\$711,653)	2.14%	(\$1,269)	(\$700,203)	(\$464,421)	\$18,421	(\$446,000)	(\$455,210)	2.14%	(\$812)	(\$446,811)		
May-16	(\$2,313,192)	\$144,807	(\$2,168,384)	(\$2,240,788)	2.14%	(\$3,996)	(\$2,172,380)	(\$700,203)	\$50,366	(\$649,837)	(\$675,020)	2.14%	(\$1,204)	(\$651,041)	(\$446,811)	\$34,856	(\$411,956)	(\$429,383)	2.14%	(\$766)	(\$412,721)		
Jun-16	(\$2,172,380)	\$185,714	(\$1,986,667)	(\$2,079,524)	2.14%	(\$3,708)	(\$1,990,375)	(\$651,041)	\$58,384	(\$592,657)	(\$621,849)	2.14%	(\$1,109)	(\$593,766)	(\$412,721)	\$29,657	(\$383,064)	(\$397,893)	2.14%	(\$710)	(\$383,774)		
Jul-16	(\$1,990,375)	\$229,443	(\$1,760,932)	(\$1,875,653)	2.14%	(\$3,345)	(\$1,764,277)	(\$593,766)	\$66,588	(\$527,178)	(\$560,472)	2.14%	(\$1,000)	(\$528,178)	(\$383,774)	\$29,804	(\$353,969)	(\$368,872)	2.14%	(\$658)	(\$354,627)		
Aug-16	(\$1,764,277)	\$281,173	(\$1,483,103)	(\$1,623,690)	2.14%	(\$2,896)	(\$1,485,999)	(\$528,178)	\$72,477	(\$455,701)	(\$491,939)	2.14%	(\$877)	(\$456,578)	(\$354,627)	\$29,837	(\$324,790)	(\$339,709)	2.14%	(\$606)	(\$335,396)		
Sep-16	(\$1,485,999)	\$247,162	(\$1,238,837)	(\$1,362,418)	2.14%	(\$2,430)	(\$1,241,266)	(\$456,578)	\$69,953	(\$386,626)	(\$421,602)	2.14%	(\$752)	(\$387,378)	(\$325,396)	\$29,836	(\$295,560)	(\$310,478)	2.14%	(\$554)	(\$296,114)		
Oct-16	(\$1,241,266)	\$171,639	(\$1,069,628)	(\$1,155,447)	2.14%	(\$2,061)	(\$1,071,688)	(\$387,378)	\$56,705	(\$330,672)	(\$359,025)	2.14%	(\$640)	(\$331,313)	(\$296,114)	\$29,357	(\$266,756)	(\$281,435)	2.14%	(\$502)	(\$267,258)		
Nov-16	(\$1,071,688)	\$156,987	(\$914,701)	(\$993,194)	2.14%	(\$1,771)	(\$916,472)	(\$331,313)	\$51,372	(\$279,941)	(\$305,627)	2.14%	(\$545)	(\$280,486)	(\$267,258)	\$24,070	(\$243,188)	(\$255,223)	2.14%	(\$455)	(\$243,643)		
Dec-16	(\$916,472)	\$180,993	(\$735,479)	(\$825,975)	2.14%	(\$1,473)	(\$736,952)	(\$280,486)	\$53,881	(\$226,605)	(\$253,545)	2.14%	(\$452)	(\$227,057)	(\$243,643)	\$23,893	(\$219,750)	(\$231,697)	2.14%	(\$413)	(\$220,163)		
Jan-17	(\$736,952)	\$207,188	(\$529,764)	(\$633,358)	2.14%	(\$1,129)	(\$530,894)	(\$227,057)	\$59,974	(\$167,083)	(\$197,070)	2.14%	(\$351)	(\$167,435)	(\$220,163)	\$26,135	(\$194,028)	(\$207,095)	2.14%	(\$369)	(\$194,397)		
Feb-17	(\$530,894)	\$0	(\$530,894)	(\$530,894)	2.14%	(\$947)	(\$531,840)	(\$167,435)	\$0	(\$167,435)	(\$167,435)	2.14%	(\$299)	(\$167,733)	(\$194,397)	\$0	(\$194,397)	(\$194,397)	2.14%	(\$347)	(\$194,744)		
Mar-17	(\$531,840)	\$0	(\$531,840)	(\$531,840)	1.84%	(\$815)	(\$532,656)	(\$167,733)	\$0	(\$167,733)	(\$167,733)	1.84%	(\$257)	(\$167,990)	(\$194,744)	\$0	(\$194,744)	(\$194,744)	1.84%	(\$299)	(\$195,042)		
Apr-17	(\$532,656)	\$0	(\$532,656)	(\$532,656)	1.84%	(\$817)	(\$533,473)	(\$167,990)	\$0	(\$167,990)	(\$167,990)	1.84%	(\$258)	(\$168,248)	(\$195,042)	\$0	(\$195,042)	(\$195,042)	1.84%	(\$299)	(\$195,341)		

Column Notes:
(a) Column (g) of previous row
(b) Page 8, Columns (b)
(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, 2016 through December 31, 2016

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 2014 through December 2014

Recovery Period: April 2015 through March 2016

		Residential		Commercial		Industrial	
Approved Factor:		(\$0.00013)		(\$0.00008)		\$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-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	226,776,445	(\$29,481)	78,282,452	(\$6,263)	27,383,332	\$5,203
	Mar-16	219,779,483	(\$28,571)	83,204,675	(\$6,656)	26,634,107	\$5,060
(2)	Apr-16	99,872,753	(\$12,983)	41,958,613	(\$3,357)	16,074,153	\$3,054

Column Notes:

(a) from Company reports

(b) Column (a) x SOS Admin. Cost Reconciliation Adj. Factor per RIPUC Docket No. 4554, Schedule JAL-4, Page 1, line (6)

Section 2.

Reconciliation Period: January 2015 through December 2015

Recovery Period: April 2016 through March 2017

		Residential		Commercial		Industrial	
Approved Factor:		\$0.00087		\$0.00073		\$0.00138	
<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-16	82,939,883	\$72,158	34,844,764	\$25,437	13,348,869	\$18,421
	May-16	166,445,212	\$144,807	68,994,928	\$50,366	25,257,862	\$34,856
	Jun-16	213,464,192	\$185,714	79,977,916	\$58,384	21,490,629	\$29,657
	Jul-16	263,728,031	\$229,443	91,215,824	\$66,588	21,597,411	\$29,804
	Aug-16	323,187,899	\$281,173	99,283,079	\$72,477	21,621,241	\$29,837
	Sep-16	284,094,258	\$247,162	95,825,524	\$69,953	21,620,124	\$29,836
	Oct-16	197,285,996	\$171,639	77,678,425	\$56,705	21,273,358	\$29,357
	Nov-16	180,445,380	\$156,987	70,372,620	\$51,372	17,442,183	\$24,070
	Dec-16	208,037,873	\$180,993	73,809,492	\$53,881	17,313,963	\$23,893
	Jan-17	238,146,788	\$207,188	82,156,001	\$59,974	18,938,756	\$26,135
	Feb-17	-	\$0	-	\$0	-	\$0
	Mar-17	-	\$0	-	\$0	-	\$0
(2)	Apr-17	-	\$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. 4599, Schedule ASC-4 Revised, Page 1, line (6)

Schedule ASC – 6

Cash Working Capital Analysis

Narragansett Electric Company
Cash Working Capital Analysis
Calendar Year 2016

		Days of Cost (a)	Annual Percent (b)	Customer Payment Lag % (c)	CWC % (d)	Expense (e)	Working Capital Requirement (f)
(1)	2016 Purchase Power Costs/Working Capital Requirement	-20.920	-5.73%	12.48%	6.75%	\$301,363,223	\$20,342,018
(2)	Gross Receipts Tax	73.63	20.17%	12.48%	32.65%	\$14,276,570	\$4,661,300
(3)	Total						<u>\$25,003,318</u>
(4)	Interest Rate						<u>9.68%</u>
(5)	Working Capital Impact						\$2,420,321
(6)	Standard Offer Service Revenue - Industrial Group						\$17,853,694
(7)	Standard Offer Service Revenue - Commercial Group						\$73,776,386
(8)	Standard Offer Service Revenue - Residential Group						\$226,300,037
(9)	Standard Offer Service Revenue - Total						\$317,930,116
(10)	Percentage of Standard Offer Expenses attributable to the Industrial Group						5.6%
(11)	Percentage of Standard Offer Expenses attributable to the Commercial Group						23.2%
(12)	Percentage of Standard Offer Expenses attributable to the Residential Group						71.2%
(13)	Working Capital Impact Allocated to Industrial Group						\$135,538
(14)	Working Capital Impact Allocated to Commercial Group						\$561,515
(15)	Working Capital Impact Allocated to Residential Group						\$1,723,269

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 ASC-2, page 5, column (a)	(13)	Line (5) x Line (10)
(7)	per Schedule ASC-2, page 5, column (a)	(14)	Line (5) x Line (11)
(8)	per Schedule ASC-2, page 5, column (a)	(15)	Line (5) x Line (12)

Narragansett Electric Company
Calendar Year 2016
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)
<u>PURCHASED POWER INVOICES:</u>									
Feb 2016	Current Charge for September 2015	\$152,785.62	9/30/2015	2/4/2016	2/22/2016	2/22/2016	145	0.05%	0.07
Feb 2016	Current Charge for January 2016	\$16,979,701.29	1/31/2016	2/4/2016	2/22/2016	2/22/2016	22	5.63%	1.24
Feb 2016	Current Charge for September 2015	(\$278,476.13)	9/30/2015	2/9/2016	2/22/2016	2/22/2016	145	-0.09%	(0.13)
Feb 2016	Current Charge for January 2016	\$7,376,642.45	1/31/2016	2/9/2016	2/22/2016	2/22/2016	22	2.45%	0.54
Feb 2016	Current Charge for September 2015	\$113,322.02	9/30/2015	2/8/2016	2/22/2016	2/22/2016	145	0.04%	0.05
Feb 2016	Current Charge for January 2016	\$10,256,268.72	1/31/2016	2/8/2016	2/22/2016	2/22/2016	22	3.40%	0.75
Feb 2016	Current Charge for January 2016	\$6,351,952.64	1/31/2016	2/10/2016	2/20/2016	2/22/2016	22	2.11%	0.46
Feb 2016	Current Charge for January 2016	\$3,947,140.78	1/31/2016	2/12/2016	2/29/2016	2/22/2016	22	1.31%	0.29
Feb 2016	Current Charge for September 2015	(\$70,413.88)	9/30/2015	2/16/2016	2/22/2016	2/22/2016	145	-0.02%	(0.03)
Feb 2016	Current Charge for September 2015	(\$73,326.43)	9/30/2015	2/10/2016	2/20/2016	2/22/2016	145	-0.02%	(0.04)
Feb 2016	Current Charge for September 2015	(\$76,409.35)	9/30/2015	2/10/2016	2/20/2016	2/22/2016	145	-0.03%	(0.04)
Mar 2016	Current Charge for October 2015	\$224,614.54	10/31/2015	3/9/2016	3/21/2016	3/21/2016	142	0.07%	0.11
Mar 2016	Current Charge for February 2016	\$6,401,646.70	2/29/2016	3/9/2016	3/21/2016	3/21/2016	21	2.12%	0.45
Mar 2016	Current Charge for October 2015	(\$230,990.22)	10/31/2015	3/4/2016	3/21/2016	3/21/2016	142	-0.08%	(0.11)
Mar 2016	Current Charge for February 2016	\$15,570,910.89	2/29/2016	3/4/2016	3/21/2016	3/21/2016	21	5.17%	1.09
Mar 2016	Current Charge for October 2015	(\$65,069.72)	10/31/2015	3/10/2016	3/21/2016	3/21/2016	142	-0.02%	(0.03)
Mar 2016	Current Charge for February 2016	\$9,424,257.57	2/29/2016	3/10/2016	3/21/2016	3/21/2016	21	3.13%	0.66
Mar 2016	Current Charge for February 2016	\$5,583,287.10	2/29/2016	3/10/2016	3/22/2016	3/21/2016	21	1.85%	0.39
Mar 2016	Current Charge for February 2016	\$3,600,250.95	2/29/2016	3/10/2016	3/20/2016	3/21/2016	21	1.19%	0.25
Mar 2016	Current Charge for October 2015	\$56,178.99	10/31/2015	3/4/2016	3/21/2016	3/18/2016	139	0.02%	0.03
Apr 2016	Current Charge for November 2015	(\$410,129.63)	11/30/2015	4/5/2016	4/20/2016	4/20/2016	142	-0.14%	(0.19)
Apr 2016	Current Charge for March 2016	\$9,016,524.25	3/31/2016	4/5/2016	4/20/2016	4/20/2016	20	2.99%	0.60
Apr 2016	Current Charge for November 2015	\$224,708.41	11/30/2015	4/10/2016	4/22/2016	4/20/2016	142	0.07%	0.11
Apr 2016	Current Charge for March 2016	\$3,729,498.48	3/31/2016	4/10/2016	4/22/2016	4/20/2016	20	1.24%	0.25
Apr 2016	Current Charge for March 2016	\$6,979,950.44	3/31/2016	4/8/2016	4/19/2016	4/20/2016	20	2.32%	0.46
Apr 2016	Current Charge for November 2015	(\$107,846.86)	11/30/2015	4/8/2016	4/19/2016	4/20/2016	142	-0.04%	(0.05)
Apr 2016	Current Charge for November 2015	\$54,888.29	11/30/2015	4/6/2016	4/20/2016	4/19/2016	141	0.02%	0.03
Apr 2016	Current Charge for March 2016	\$3,730,786.00	3/31/2016	4/8/2016	4/20/2016	4/20/2016	20	1.24%	0.25
Apr 2016	Current Charge for November 2015	\$2,287,582.16	11/30/2015	4/8/2016	4/21/2016	4/20/2016	142	0.76%	1.08
May 2016	Current Charge for April 2016	\$4,893,656.86	4/30/2016	5/4/2016	5/20/2016	5/20/2016	20	1.62%	0.32
May 2016	Current Charge for December 2015	(\$264,393.22)	12/31/2015	5/4/2016	5/20/2016	5/20/2016	141	-0.09%	(0.12)
May 2016	Current Charge for April 2016	\$3,916,204.16	4/30/2016	5/17/2016	5/20/2016	5/20/2016	20	1.30%	0.26
May 2016	Current Charge for December 2015	\$405,373.15	12/31/2015	5/17/2016	5/20/2016	5/20/2016	141	0.13%	0.19
May 2016	Current Charge for April 2016	\$4,646,001.56	4/30/2016	5/10/2016	5/20/2016	5/20/2016	20	1.54%	0.31
May 2016	Current Charge for December 2015	(\$41,301.55)	12/31/2015	5/10/2016	5/20/2016	5/20/2016	141	-0.01%	(0.02)
May 2016	Current Charge for April 2016	\$1,465,167.67	4/30/2016	5/6/2016	5/20/2016	5/20/2016	20	0.49%	0.10
May 2016	Current Charge for December 2015	\$86,452.42	12/31/2015	5/4/2016	5/20/2016	5/19/2016	140	0.03%	0.04
May 2016	Current Charge for April 2016	\$2,342,885.09	4/30/2016	5/10/2016	5/26/2016	5/20/2016	20	0.78%	0.16
Jun 2016	Current Charge for May 2016	\$1,358,920.90	5/31/2016	6/8/2016	6/20/2016	6/20/2016	20	0.45%	0.09
Jun 2016	Current Charge for January 2016	(\$76,434.23)	1/31/2016	6/8/2016	6/20/2016	6/20/2016	141	-0.03%	(0.04)
Jun 2016	Current Charge for May 2016	\$3,379,053.89	5/31/2016	6/6/2016	6/20/2016	6/20/2016	20	1.12%	0.22
Jun 2016	Current Charge for January 2016	\$150,421.09	1/31/2016	6/6/2016	6/20/2016	6/20/2016	141	0.05%	0.07
Jun 2016	Current Charge for May 2016	\$3,944,565.97	5/31/2016	6/3/2016	6/20/2016	6/20/2016	20	1.31%	0.26
Jun 2016	Current Charge for January 2016	\$71,907.97	1/31/2016	6/3/2016	6/20/2016	6/20/2016	141	0.02%	0.03
Jun 2016	Current Charge for May 2016	\$4,013,444.95	5/31/2016	6/10/2016	6/20/2016	6/20/2016	20	1.33%	0.27
Jun 2016	Current Charge for January 2016	(\$41,713.03)	1/31/2016	6/10/2016	6/20/2016	6/20/2016	141	-0.01%	(0.02)
Jun 2016	Current Charge for May 2016	\$2,070,210.60	5/31/2016	6/10/2016	6/20/2016	6/20/2016	20	0.69%	0.14
Jun 2016	Current Charge for January 2016	\$129,526.47	1/31/2016	6/10/2016	6/20/2016	6/20/2016	141	0.04%	0.06
Jul 2016	Current Charge for June 2016	\$5,077,346.58	6/30/2016	7/6/2016	7/20/2016	7/20/2016	20	1.68%	0.34
Jul 2016	Current Charge for February 2016	\$2,954.77	2/29/2016	7/6/2016	7/20/2016	7/20/2016	142	0.00%	0.00
Jul 2016	Current Charge for June 2016	\$4,141,348.67	6/30/2016	7/12/2016	7/20/2016	7/20/2016	20	1.37%	0.27
Jul 2016	Current Charge for February 2016	\$63,699.36	2/29/2016	7/12/2016	7/20/2016	7/20/2016	142	0.02%	0.03
Jul 2016	Current Charge for June 2016	\$4,787,761.01	6/30/2016	7/14/2016	7/25/2016	7/20/2016	20	1.59%	0.32
Jul 2016	Current Charge for February 2016	(\$30,499.19)	2/29/2016	7/14/2016	7/25/2016	7/20/2016	142	-0.01%	(0.01)
Jul 2016	Current Charge for June 2016	\$1,652,128.51	6/30/2016	7/7/2016	7/20/2016	7/20/2016	20	0.55%	0.11
Jul 2016	Current Charge for February 2016	(\$39,965.46)	2/29/2016	7/7/2016	7/20/2016	7/20/2016	142	-0.01%	(0.02)
Jul 2016	Current Charge for June 2016	\$2,527,277.73	6/30/2016	7/12/2016	7/20/2016	7/20/2016	20	0.84%	0.17
Jul 2016	Current Charge for February 2016	\$55,555.79	2/29/2016	7/12/2016	7/20/2016	7/20/2016	142	0.02%	0.03
Aug 2016	Current Charge for July 2016	\$4,506,355.25	7/31/2016	8/10/2016	8/22/2016	8/19/2016	19	1.50%	0.28
Aug 2016	Current Charge for March 2016	\$30,225.10	3/31/2016	8/10/2016	8/22/2016	8/19/2016	141	0.01%	0.01
Aug 2016	Current Charge for July 2016	\$7,142,191.37	7/31/2016	8/10/2016	8/26/2016	8/19/2016	19	2.37%	0.45
Aug 2016	Current Charge for March 2016	\$193,493.51	3/31/2016	8/10/2016	8/26/2016	8/19/2016	141	0.06%	0.09
Aug 2016	Current Charge for July 2016	\$6,211,062.86	7/31/2016	8/10/2016	8/22/2016	8/19/2016	19	2.06%	0.39
Aug 2016	Current Charge for March 2016	\$30,235.52	3/31/2016	8/10/2016	8/22/2016	8/19/2016	141	0.01%	0.01

Narragansett Electric Company
Calendar Year 2016
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 2016	Current Charge for July 2016	\$2,703,395.47	7/31/2016	8/10/2016	8/20/2016	8/19/2016	19	0.90%	0.17
Aug 2016	Current Charge for March 2016	(\$55,083.54)	3/31/2016	8/10/2016	8/20/2016	8/19/2016	141	-0.02%	(0.03)
Aug 2016	Current Charge for July 2016	\$2,721,187.47	7/31/2016	8/10/2016	8/22/2016	8/19/2016	19	0.90%	0.17
Aug 2016	Current Charge for July 2016	(\$84,649.83)	3/31/2016	8/10/2016	8/22/2016	8/19/2016	141	-0.03%	(0.04)
Aug 2016	Current Charge for July 2016	\$1,286,781.33	7/31/2016	8/22/2016	8/22/2016	8/23/2016	23	0.43%	0.10
Sep 2016	Current Charge for August 2016	4,366,813.67	8/31/2016	9/8/2016	9/20/2016	9/20/2016	20	1.45%	0.29
Sep 2016	Current Charge for April 2016	(\$7,291.43)	4/30/2016	9/8/2016	9/20/2016	9/20/2016	143	0.00%	(0.00)
Sep 2016	Current Charge for August 2016	\$7,196,659.63	8/31/2016	9/6/2016	9/20/2016	9/20/2016	20	2.39%	0.48
Sep 2016	Current Charge for April 2016	\$85,864.08	4/30/2016	9/6/2016	9/20/2016	9/20/2016	143	0.03%	0.04
Sep 2016	Current Charge for August 2016	\$5,917,012.38	8/31/2016	9/6/2016	9/20/2016	9/20/2016	20	1.96%	0.39
Sep 2016	Current Charge for April 2016	\$41,108.44	4/30/2015	9/6/2016	9/20/2016	9/20/2016	509	0.01%	0.07
Sep 2016	Current Charge for August 2016	\$2,582,610.86	8/31/2016	9/6/2016	9/20/2016	9/20/2016	20	0.86%	0.17
Sep 2016	Current Charge for August 2016	(\$39,564.11)	4/30/2016	9/6/2016	9/20/2016	9/20/2016	143	-0.01%	(0.02)
Sep 2016	Current Charge for August 2016	\$2,680,593.80	8/31/2016	9/9/2016	9/20/2016	9/20/2016	20	0.89%	0.18
Sep 2016	Current Charge for August 2016	(\$48,230.88)	4/30/2016	9/9/2016	9/20/2016	9/20/2016	143	-0.02%	(0.02)
Sep 2016	Current Charge for August 2016	\$1,282,335.07	8/31/2016	9/9/2016	9/20/2016	9/19/2016	19	0.43%	0.08
Oct 2016	Current Charge for September 2016	\$2,734,768.37	9/30/2016	10/11/2016	10/20/2016	10/20/2016	20	0.91%	0.18
Oct 2016	Current Charge for May 2016	(\$114,725.78)	5/31/2016	10/11/2016	10/20/2016	10/20/2016	142	-0.04%	(0.05)
Oct 2016	Current Charge for May 2016	\$57,609.82	5/31/2016	10/15/2016	10/20/2016	10/20/2016	142	0.02%	0.03
Oct 2016	Current Charge for September 2016	\$4,489,735.25	9/30/2016	10/15/2016	10/20/2016	10/20/2016	20	1.49%	0.30
Oct 2016	Current Charge for September 2016	\$4,007,260.77	9/30/2016	10/4/2016	10/20/2016	10/20/2016	20	1.33%	0.27
Oct 2016	Current Charge for May 2016	\$30,235.12	5/31/2016	10/4/2016	10/20/2016	10/20/2016	142	0.01%	0.01
Oct 2016	Current Charge for September 2016	\$1,850,789.05	9/30/2016	10/5/2016	10/20/2016	10/20/2016	20	0.61%	0.12
Oct 2016	Current Charge for May 2016	(\$8,223.43)	5/31/2016	10/5/2016	10/20/2016	10/20/2016	142	0.00%	(0.00)
Oct 2016	Current Charge for September 2016	\$2,044,063.79	9/30/2016	10/10/2016	10/20/2016	10/20/2016	20	0.68%	0.14
Oct 2016	Current Charge for May 2016	\$7,212.64	5/31/2016	10/10/2016	10/20/2016	10/20/2016	142	0.00%	0.00
Oct 2016	Current Charge for September 2016	\$958,297.97	9/30/2016	10/10/2016	10/20/2016	10/19/2016	19	0.32%	0.06
Nov 2016	Current Charge for June 2016	\$6,312.16	6/30/2016	11/15/2016	11/21/2016	11/16/2016	139	0.00%	0.00
Nov 2016	Current Charge for October 2016	\$6,580,690.17	10/31/2016	11/15/2016	11/21/2016	11/16/2016	16	2.18%	0.35
Nov 2016	Current Charge for June 2016	\$137,539.84	6/30/2016	11/3/2016	11/21/2016	11/16/2016	139	0.05%	0.06
Nov 2016	Current Charge for October 2016	\$4,844,733.32	10/31/2016	11/3/2016	11/21/2016	11/16/2016	16	1.61%	0.26
Nov 2016	Current Charge for June 2016	\$68,461.21	6/30/2016	11/4/2016	11/21/2016	11/16/2016	139	0.02%	0.03
Nov 2016	Current Charge for October 2016	\$1,607,710.23	10/31/2016	11/4/2016	11/21/2016	11/16/2016	16	0.53%	0.09
Nov 2016	Current Charge for October 2016	\$581,064.82	10/31/2016	11/7/2016	11/18/2016	11/29/2016	29	0.19%	0.06
Nov 2016	Current Charge for June 2016	(\$39,789.24)	6/30/2016	11/7/2016	11/18/2016	11/29/2016	152	-0.01%	(0.02)
Nov 2016	Current Charge for June 2016	(\$19,140.89)	6/30/2016	11/10/2016	11/21/2016	11/16/2016	139	-0.01%	(0.01)
Nov 2016	Current Charge for October 2016	\$632,621.30	10/31/2016	11/10/2016	11/21/2016	11/16/2016	16	0.21%	0.03
Dec 2016	Current Charge for November 2016	\$7,340,096.91	11/30/2016	12/16/2016	12/20/2016	12/20/2016	20	2.44%	0.49
Dec 2016	Current Charge for July 2016	\$152,225.18	7/31/2016	12/16/2016	12/20/2016	12/20/2016	142	0.05%	0.07
Dec 2016	Current Charge for November 2016	\$675,427.95	11/30/2016	12/9/2016	12/20/2016	12/20/2016	20	0.22%	0.04
Dec 2016	Current Charge for July 2016	(\$39,600.40)	7/31/2016	12/9/2016	12/20/2016	12/20/2016	142	-0.01%	(0.02)
Dec 2016	Current Charge for November 2016	\$5,262,057.28	11/30/2016	12/5/2016	12/20/2016	12/20/2016	20	1.75%	0.35
Dec 2016	Current Charge for July 2016	\$241,265.04	7/31/2016	12/5/2016	12/20/2016	12/20/2016	142	0.08%	0.11
Dec 2016	Current Charge for November 2016	\$725,959.29	11/30/2016	12/9/2016	12/20/2016	12/20/2016	20	0.24%	0.05
Dec 2016	Current Charge for July 2016	(\$39,342.99)	7/31/2016	12/9/2016	12/20/2016	12/20/2016	142	-0.01%	(0.02)
Dec 2016	Current Charge for November 2016	1,922,008.79	11/30/2016	12/7/2016	12/20/2016	12/20/2016	20	0.64%	0.13
Dec 2016	Current Charge for July 2016	\$209,689.71	7/31/2016	12/7/2016	12/20/2016	12/20/2016	142	0.07%	0.10
Dec 2016	Current Charge for November 2016	(\$100,357.09)	11/30/2016	12/6/2016	12/20/2016	12/20/2016	20	-0.03%	(0.01)
Jan 2017	Current Charge for December 2016	\$11,602,797.53	12/31/2016	1/9/2017	1/20/2017	1/20/2017	20	3.85%	0.77
Jan 2017	Current Charge for August 2016	\$207,521.70	8/31/2016	1/9/2017	1/20/2017	1/20/2017	142	0.07%	0.10
Jan 2017	Current Charge for December 2016	\$827,212.42	12/31/2016	1/6/2017	1/20/2017	1/20/2017	20	0.27%	0.05
Jan 2017	Current Charge for August 2016	(\$95,115.15)	8/31/2016	1/6/2017	1/20/2017	1/20/2017	142	-0.03%	(0.04)
Jan 2017	Current Charge for December 2016	\$8,416,651.60	12/31/2016	1/6/2017	1/20/2017	1/20/2017	20	2.79%	0.56
Jan 2017	Current Charge for August 2016	\$342,003.32	8/31/2016	1/6/2017	1/20/2017	1/20/2017	142	0.11%	0.16
Jan 2017	Current Charge for December 2016	\$1,079,283.12	12/31/2016	1/10/2017	1/20/2017	1/20/2017	20	0.36%	0.07
Jan 2017	Current Charge for August 2016	(\$91,639.96)	8/31/2016	1/10/2017	1/20/2017	1/20/2017	142	-0.03%	(0.04)
Jan 2017	Current Charge for December 2016	\$2,908,818.35	12/31/2016	1/9/2017	1/20/2017	1/20/2017	20	0.97%	0.19
Jan 2017	Current Charge for August 2016	\$281,199.76	8/31/2016	1/9/2017	1/20/2017	1/20/2017	142	0.09%	0.13
Jan 2017	Current Charge for December 2016	(\$139,806.77)	12/31/2016	1/10/2017	1/20/2017	1/20/2017	20	-0.05%	(0.01)
Purchase to Date		282,326,483							

Narragansett Electric Company
Calendar Year 2016
Purchased Power Accounts Payable Lag Calculation

SPOT MARKET PURCHASES:

Jan-2016	Spot Market Purchase	\$93,275	1/11/2016	1/13/2016	1/15/2016	1/15/2016	4	0.03%	0.00
Jan-2016	Spot Market Purchase	\$72,984	1/14/2016	1/19/2016	1/21/2016	1/21/2016	7	0.02%	0.00
Jan-2016	Spot Market Purchase	\$21,658	1/15/2016	1/20/2016	1/22/2016	1/22/2016	7	0.01%	0.00
Jan-2016	Spot Market Purchase	\$94,227	1/21/2016	1/25/2016	1/27/2016	1/27/2016	6	0.03%	0.00
Jan-2016	Spot Market Purchase	\$86,763	1/25/2016	1/27/2016	1/29/2016	1/29/2016	4	0.03%	0.00
Jan-2016	Spot Market Purchase	\$54,114	1/28/2016	2/1/2016	2/3/2016	2/3/2016	6	0.02%	0.00
Feb-2016	Spot Market Purchase	\$39,805	2/1/2016	2/3/2016	2/5/2016	2/5/2016	4	0.01%	0.00
Feb-2016	Spot Market Purchase	\$23,496	2/4/2016	2/8/2016	2/10/2016	2/10/2016	6	0.01%	0.00
Feb-2016	Spot Market Purchase	\$49,636	2/8/2016	2/10/2016	2/12/2016	2/12/2016	4	0.02%	0.00
Feb-2016	Spot Market Purchase	\$1,421,149.87	2/10/2016	2/16/2016	2/18/2016	2/18/2016	8	0.47%	0.04
Feb-2016	Spot Market Purchase	\$41,909.28	2/12/2016	2/17/2016	2/19/2016	2/19/2016	7	0.01%	0.00
Feb-2016	Spot Market Purchase	\$181,869.13	2/18/2016	2/22/2016	2/24/2016	2/24/2016	6	0.06%	0.00
Feb-2016	Spot Market Purchase	\$40,659.52	2/22/2016	2/24/2016	2/26/2016	2/26/2016	4	0.01%	0.00
Feb-2016	Spot Market Purchase	\$26,395.77	2/25/2016	2/29/2016	3/2/2016	3/2/2016	6	0.01%	0.00
Feb-2016	Spot Market Purchase	\$26,626.88	2/29/2016	3/2/2016	3/4/2016	3/4/2016	4	0.01%	0.00
Mar-2016	Spot Market Purchase	\$17,627.36	3/3/2016	3/7/2016	3/9/2016	3/9/2016	6	0.01%	0.00
Mar-2016	Spot Market Purchase	\$46,756.46	3/7/2016	3/9/2016	3/11/2016	3/11/2016	4	0.02%	0.00
Mar-2016	Spot Market Purchase	\$1,157,756.07	3/9/2016	3/14/2016	3/16/2016	3/16/2016	7	0.38%	0.03
Mar-2016	Spot Market Purchase	\$35,213.09	3/14/2016	3/16/2016	3/18/2016	3/18/2016	4	0.01%	0.00
Mar-2016	Spot Market Purchase	\$19,677.94	3/17/2016	3/21/2016	3/23/2016	3/23/2016	6	0.01%	0.00
Mar-2016	Spot Market Purchase	\$21,978.07	3/21/2016	3/23/2016	3/28/2016	3/28/2016	7	0.01%	0.00
Mar-2016	Spot Market Purchase	\$18,558.98	3/23/2016	3/28/2016	3/30/2016	3/30/2016	7	0.01%	0.00
Mar-2016	Spot Market Purchase	\$21,514.30	3/28/2016	3/30/2016	4/1/2016	4/1/2016	4	0.01%	0.00
Mar-2016	Spot Market Purchase	\$32,543.23	3/31/2016	4/4/2016	4/6/2016	4/6/2016	6	0.01%	0.00
Apr-2016	Spot Market Purchase	\$19,657.57	4/4/2016	4/6/2016	4/8/2016	4/8/2016	4	0.01%	0.00
Apr-2016	Spot Market Purchase	\$761,958.75	4/6/2016	4/11/2016	4/13/2016	4/13/2016	7	0.25%	0.02
Apr-2016	Spot Market Purchase	\$92,619.47	4/11/2016	4/13/2016	4/15/2016	4/15/2016	4	0.03%	0.00
Apr-2016	Spot Market Purchase	\$16,021.62	4/14/2016	4/19/2016	4/21/2016	4/21/2016	7	0.01%	0.00
Apr-2016	Spot Market Purchase	\$4,715.54	4/15/2016	4/20/2016	4/22/2016	4/22/2016	7	0.00%	0.00
Apr-2016	Spot Market Purchase	\$12,771.77	4/21/2016	4/25/2016	4/27/2016	4/27/2016	6	0.00%	0.00
Apr-2016	Spot Market Purchase	\$13,506.51	4/25/2016	4/27/2016	4/29/2016	4/29/2016	4	0.00%	0.00
Apr-2016	Spot Market Purchase	\$23,267.87	4/28/2016	5/2/2016	5/4/2016	5/4/2016	6	0.01%	0.00
May-2016	Spot Market Purchase	\$14,013.87	5/2/2016	5/4/2016	5/6/2016	5/6/2016	4	0.00%	0.00
May-2016	Spot Market Purchase	\$20,223.96	5/5/2016	5/9/2016	5/11/2016	5/11/2016	6	0.01%	0.00
May-2016	Spot Market Purchase	\$10,903.18	5/9/2016	5/11/2016	5/13/2016	5/13/2016	4	0.00%	0.00
May-2016	Spot Market Purchase	\$1,164,368.67	5/11/2016	5/16/2016	5/18/2016	5/18/2016	7	0.39%	0.03
May-2016	Spot Market Purchase	\$1,485.54	5/16/2016	5/18/2016	5/20/2016	5/20/2016	4	0.00%	0.00
May-2016	Spot Market Purchase	\$7,664.93	5/19/2016	5/23/2016	5/25/2016	5/25/2016	6	0.00%	0.00
May-2016	Spot Market Purchase	\$7,260.63	5/23/2016	5/25/2016	5/27/2016	5/27/2016	4	0.00%	0.00
May-2016	Spot Market Purchase	\$11,134.54	5/26/2016	5/31/2016	6/2/2016	6/2/2016	8	0.00%	0.00
May-2016	Spot Market Purchase	\$10,562.77	5/27/2016	6/1/2016	6/2/2016	6/2/2016	6	0.00%	0.00
Jun-2016	Spot Market Purchase	\$61,290.12	6/2/2016	6/6/2016	6/8/2016	6/8/2016	6	0.02%	0.00
Jun-2016	Spot Market Purchase	\$24,280.09	6/6/2016	6/8/2016	6/10/2016	6/10/2016	4	0.01%	0.00
Jun-2016	Spot Market Purchase	\$953,171.80	6/8/2016	6/13/2016	6/15/2016	6/15/2016	7	0.32%	0.02

Narragansett Electric Company
Calendar Year 2016
Purchased Power Accounts Payable Lag Calculation

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)
SPOT MARKET PURCHASES CONTINUED:									
Jun-2016	Spot Market Purchase	\$18,663.01	6/13/2016	6/15/2016	6/17/2016	6/17/2016	4	0.01%	0.00
Jun-2016	Spot Market Purchase	\$26,119.58	6/16/2016	6/20/2016	6/22/2016	6/22/2016	6	0.01%	0.00
Jun-2016	Spot Market Purchase	\$31,469.06	6/20/2016	6/22/2016	6/24/2016	6/24/2016	4	0.01%	0.00
Jun-2016	Spot Market Purchase	\$44,484.07	6/23/2016	6/27/2016	6/29/2016	6/29/2016	6	0.01%	0.00
Jun-2016	Spot Market Purchase	\$36,479.30	6/27/2016	6/29/2016	7/1/2016	7/1/2016	4	0.01%	0.00
Jun-2016	Spot Market Purchase	\$48,885.35	6/30/2016	7/5/2016	7/7/2016	7/7/2016	7	0.02%	0.00
Jul-2016	Spot Market Purchase	\$17,053.01	7/1/2016	7/6/2016	7/8/2016	7/8/2016	7	0.01%	0.00
Jul-2016	Spot Market Purchase	\$1,073,479.20	7/1/2016	7/11/2016	7/13/2016	7/13/2016	12	0.36%	0.04
Jul-2016	Spot Market Purchase	\$145,838.82	7/11/2016	7/13/2016	7/15/2016	7/15/2016	4	0.05%	0.00
Jul-2016	Spot Market Purchase	\$61,389.00	7/14/2016	7/18/2016	7/20/2016	7/20/2016	6	0.02%	0.00
Jul-2016	Spot Market Purchase	\$124,925.38	7/18/2016	7/20/2016	7/22/2016	7/22/2016	4	0.04%	0.00
Jul-2016	Spot Market Purchase	\$79,175.27	7/21/2016	7/25/2016	7/27/2016	7/27/2016	6	0.03%	0.00
Jul-2016	Spot Market Purchase	\$140,156.67	7/25/2016	7/27/2016	7/29/2016	7/29/2016	4	0.05%	0.00
Jul-2016	Spot Market Purchase	\$164,567.65	7/28/2016	8/1/2016	8/3/2016	8/3/2016	6	0.05%	0.00
Aug-2016	Spot Market Purchase	\$113,272.75	8/1/2016	8/3/2016	8/5/2016	8/5/2016	4	0.04%	0.00
Aug-2016	Spot Market Purchase	\$63,186.85	8/4/2016	8/8/2016	8/10/2016	8/10/2016	6	0.02%	0.00
Aug-2016	Spot Market Purchase	\$82,059.99	8/8/2016	8/10/2016	8/12/2016	8/12/2016	4	0.03%	0.00
Aug-2016	Spot Market Purchase	\$1,301,289.40	8/10/2016	8/15/2016	8/17/2016	8/17/2016	7	0.43%	0.03
Aug-2016	Spot Market Purchase	\$325,225.57	8/15/2016	8/17/2016	8/19/2016	8/19/2016	4	0.11%	0.00
Aug-2016	Spot Market Purchase	\$227,403.98	8/18/2016	8/22/2016	8/24/2016	8/24/2016	6	0.08%	0.00
Aug-2016	Spot Market Purchase	\$113,563.18	8/22/2016	8/24/2016	8/26/2016	8/26/2016	4	0.04%	0.00
Aug-2016	Spot Market Purchase	\$60,985.79	8/25/2016	8/29/2016	8/31/2016	8/31/2016	6	0.02%	0.00
Aug-2016	Spot Market Purchase	\$113,401.07	8/29/2016	8/31/2016	9/2/2016	9/2/2016	4	0.04%	0.00
Sep-2016	Spot Market Purchase	\$88,306.39	9/1/2016	9/6/2016	9/8/2016	9/8/2016	7	0.03%	0.00
Sep-2016	Spot Market Purchase	\$21,220.96	9/2/2016	9/7/2016	9/9/2016	9/9/2016	7	0.01%	0.00
Sep-2016	Spot Market Purchase	\$1,209,331.31	9/7/2016	9/12/2016	9/14/2016	9/14/2016	7	0.40%	0.03
Sep-2016	Spot Market Purchase	\$149,431.00	9/12/2016	9/14/2016	9/16/2016	9/16/2016	4	0.05%	0.00
Sep-2016	Spot Market Purchase	\$50,133.78	9/15/2016	9/19/2016	9/21/2016	9/21/2016	6	0.02%	0.00
Sep-2016	Spot Market Purchase	\$42,374.44	9/19/2016	9/21/2016	9/23/2016	9/23/2016	4	0.01%	0.00
Sep-2016	Spot Market Purchase	\$76,095.12	9/22/2016	9/26/2016	9/28/2016	9/28/2016	6	0.03%	0.00
Sep-2016	Spot Market Purchase	\$40,235.38	9/26/2016	9/28/2016	9/30/2016	9/30/2016	4	0.01%	0.00
Sep-2016	Spot Market Purchase	\$21,947.60	9/29/2016	10/3/2016	10/5/2016	10/5/2016	6	0.01%	0.00
Oct-2016	Spot Market Purchase	\$21,092.64	10/3/2016	10/5/2016	10/7/2016	10/7/2016	4	0.01%	0.00
Oct-2016	Spot Market Purchase	\$16,741.33	10/6/2016	10/11/2016	10/13/2016	10/13/2016	7	0.01%	0.00
Oct-2016	Spot Market Purchase	\$4,070.14	10/7/2016	10/12/2016	10/14/2016	10/14/2016	7	0.00%	0.00
Oct-2016	Spot Market Purchase	\$1,074,529.78	10/12/2016	10/17/2016	10/19/2016	10/19/2016	7	0.36%	0.02
Oct-2016	Spot Market Purchase	\$22,981.43	10/17/2016	10/19/2016	10/21/2016	10/21/2016	4	0.01%	0.00
Oct-2016	Spot Market Purchase	\$34,492.27	10/20/2016	10/24/2016	10/26/2016	10/26/2016	6	0.01%	0.00
Oct-2016	Spot Market Purchase	\$30,040.81	10/24/2016	10/26/2016	10/28/2016	10/28/2016	4	0.01%	0.00
Oct-2016	Spot Market Purchase	\$61,951.97	10/27/2016	10/31/2016	11/2/2016	11/2/2016	6	0.02%	0.00
Oct-2016	Spot Market Purchase	\$64,509.23	10/31/2016	11/2/2016	11/7/2016	11/7/2016	7	0.02%	0.00
Nov-2016	Spot Market Purchase	\$17,731.09	11/3/2016	11/7/2016	11/9/2016	11/9/2016	6	0.01%	0.00
Nov-2016	Spot Market Purchase	\$22,945.00	11/7/2016	11/9/2016	11/14/2016	11/14/2016	7	0.01%	0.00
Nov-2016	Spot Market Purchase	\$588,882.26	11/8/2016	11/14/2016	11/16/2016	11/16/2016	8	0.20%	0.02
Nov-2016	Spot Market Purchase	\$54,972.26	11/14/2016	11/16/2016	11/18/2016	11/18/2016	4	0.02%	0.00
Nov-2016	Spot Market Purchase	\$19,203.14	11/17/2016	11/21/2016	11/23/2016	11/23/2016	6	0.01%	0.00
Nov-2016	Spot Market Purchase	\$16,934.35	11/21/2016	11/23/2016	11/29/2016	11/29/2016	8	0.01%	0.00
Nov-2016	Spot Market Purchase	\$9,588.15	11/22/2016	11/28/2016	11/30/2016	11/30/2016	8	0.00%	0.00
Nov-2016	Spot Market Purchase	\$50,276.90	11/28/2016	11/30/2016	12/2/2016	12/2/2016	4	0.02%	0.00
Nov-2016	Spot Market Purchase	\$33,875.63	12/1/2016	12/5/2016	12/7/2016	12/7/2016	6	0.01%	0.00
Nov-2016	Spot Market Purchase	\$31,426.25	12/5/2016	12/7/2016	12/9/2016	12/9/2016	4	0.01%	0.00
Nov-2016	Spot Market Purchase	\$1,046,972.29	12/7/2016	12/12/2016	12/14/2016	12/14/2016	7	0.35%	0.02
Dec-2016	Spot Market Purchase	\$140,726	12/12/2016	12/14/2016	12/16/2016	12/16/2016	4	0.05%	0.00
Dec-2016	Spot Market Purchase	\$86,107	12/15/2016	12/19/2016	12/21/2016	12/21/2016	6	0.03%	0.00
Dec-2016	Spot Market Purchase	\$157,162	12/19/2016	12/21/2016	12/23/2016	12/23/2016	4	0.05%	0.00
Dec-2016	Spot Market Purchase	\$87,452	12/22/2016	12/27/2016	12/29/2016	12/29/2016	7	0.03%	0.00
Dec-2016	Spot Market Purchase	\$16,775	12/23/2016	12/28/2016	12/30/2016	12/30/2016	7	0.01%	0.00
Dec-2016	Spot Market Purchase	\$48,380	12/29/2016	1/3/2017	1/5/2017	1/5/2017	7	0.02%	0.00
Dec-2016	Spot Market Purchase	\$11,922	12/30/2016	1/4/2017	1/6/2017	1/6/2017	7	0.00%	0.00
Dec-2016	Spot Market Purchase	\$10,518	1/5/2017	1/9/2017	1/11/2017	1/11/2017	6	0.00%	0.00
Dec-2016	Spot Market Purchase	\$48,875	1/9/2017	1/11/2017	1/13/2017	1/13/2017	4	0.02%	0.00
Dec-2016	Spot Market Purchase	\$2,216,384	1/11/2017	1/17/2017	1/19/2017	1/19/2017	8	0.74%	0.06
(1)	Total	\$301,363,223						100.00%	

(2) Weighted Average Lag Days from End of Service Period to Final Payment Date of Purchased Power Bill 20.920

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)

The Narragansett Electric Company
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Narragansett Electric Company
Calendar Year 2016
Gross Earnings Tax

Gross Earnings Tax Payment Date (1)	Days From Service Period	Percent Payment (1)	Payment Amount	Weighted Average Days from Year End
3/3/2016	(63)	40.00%	\$ 20,342,000	(25.20)
6/13/2016	(165)	60.00%	\$ 30,513,000	(99.00)
9/15/2016	(259)	0.00%	\$ -	0.00
12/15/2016	(350)	0.00%	\$ -	0.00
		100.00%	\$ 50,855,000	(124.20)

Service Period	Days from Year end	Average Days from Year end
1/31/2016	(31)	
2/29/2016	(60)	
3/31/2016	(91)	
4/30/2016	(121)	
5/31/2016	(152)	
6/30/2016	(182)	
7/31/2016	(213)	
8/31/2016	(244)	
9/30/2016	(274)	
10/31/2016	(305)	
11/30/2016	(335)	
12/31/2016	(366)	
Average End of Service Period Date	<u>(2,374)</u>	/12 = <u>-197.83</u>

Weighted Average Payment Days from Year End	(124.20)
Average Days from End of Service	<u>197.83</u>
Period for Payment of Gross Earnings Tax	73.63

- (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
d/b/a National Grid
RIPUC Docket No. 4691
2017 Electric Retail Rate Filing
Schedule ASC-6
Page 7 of 7

Narragansett Electric Company
Calendar Year 2016

<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)
1/31/2016	\$119,250,334	\$83,323,538	31	44.37
2/29/2016	\$117,100,227	\$77,962,463	29	43.56
3/31/2016	\$115,458,187	\$76,365,701	31	46.87
4/30/2016	\$105,692,927	\$70,239,818	30	45.14
5/31/2016	\$96,375,088	\$62,148,312	31	48.07
6/30/2016	\$107,812,399	\$74,444,959	30	43.45
7/31/2016	\$110,861,918	\$86,424,743	31	39.77
8/31/2016	\$120,749,764	\$99,948,890	31	37.45
9/30/2016	\$126,455,044	\$92,049,389	30	41.21
10/31/2016	\$101,018,813	\$70,429,927	31	44.46
11/30/2016	\$93,093,644	\$64,998,482	30	42.97
12/31/2016	\$118,128,790	\$70,942,132	31	<u>51.62</u>
(1) Total Days				528.94
(2) Average Lag				44.08
(3) Average Lag from date meter is read				<u>1.46</u>
(4) Total Average Days Lag				45.54
(5) Customer Payment Lag-annual percent				12.48%

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 Over Recovery for the period January 1, 2016 through December 31, 2016	(\$35,429)
(2)	Interest During Refund Period	(\$510)
(3)	Total Industrial Group SOS Admin. Cost Over Recovery	(\$35,940)
(4)	forecasted Industrial Group SOS kWh for the period April 1, 2017 through March 31, 2018	232,943,007
(5)	Industrial Group SOS Administrative Cost Reconciliation Adjustment Factor	(\$0.00015)

Commercial Group SOS Administrative Cost Reconciliation Adjustment Factor

(6)	Commercial Over Recovery for the period January 1, 2016 through December 31, 2016	(\$235,708)
(7)	Interest During Refund Period	(\$3,396)
(8)	Total Commercial Group SOS Admin. Cost Over Recovery	(\$239,104)
(9)	forecasted Commercial Group SOS kWh for the period April 1, 2017 through March 31, 2018	972,590,232
(10)	Commercial Group SOS Administrative Cost Reconciliation Adjustment Factor	(\$0.00024)

Residential Group SOS Administrative Cost Reconciliation Adjustment Factor

(11)	Residential Group Over Recovery for the period January 1, 2016 through December 31, 2016	(\$194,094)
(12)	Interest During Refund Period	(\$2,797)
(13)	Total Residential Group SOS Admin. Cost Over Recovery	(\$196,890)
(14)	forecasted Residential Group SOS kWh for the period April 1, 2017 through March 31, 2018	2,641,130,580
(15)	Residential Group SOS Administrative Cost Reconciliation Adjustment Factor	(\$0.00007)

Line Descriptions:

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

(2) from Page 2

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

(4) per Schedule ASC-3, page 2, line (4)

(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) per Schedule ASC-3, page 2, line (4)

(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) per Schedule ASC-3, page 2, line (4)

(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, 2016

Residential

Commercial

Industrial

Month	Beginning Balance (1)	Refund (2)	Ending Balance (3)	Interest Rate (4)	Interest (5)	Month	Beginning Balance (1)	Refund (2)	Ending Balance (3)	Interest Rate (4)	Interest (5)	Month	Beginning Balance (1)	Refund (2)	Ending Balance (3)	Interest Rate (4)	Interest (5)
Jan-17	\$194,094		\$194,094	2.14%	\$346	Jan-17	\$235,708		\$235,708	2.14%	\$420	Jan-17	\$35,429		\$35,429	2.14%	\$63
Feb-17	\$194,440		\$194,440	2.14%	\$347	Feb-17	\$236,128		\$236,128	2.14%	\$421	Feb-17	\$35,493		\$35,493	2.14%	\$63
Mar-17	\$194,787		\$194,787	1.84%	\$299	Mar-17	\$236,549		\$236,549	1.84%	\$363	Mar-17	\$35,556		\$35,556	1.84%	\$55
Apr-17	\$195,085	\$16,257	\$178,828	1.84%	\$287	Apr-17	\$236,912	\$19,743	\$217,169	1.84%	\$348	Apr-17	\$35,610	\$2,968	\$32,643	1.84%	\$52
May-17	\$179,115	\$16,283	\$162,832	1.84%	\$262	May-17	\$217,518	\$19,774	\$197,743	1.84%	\$318	May-17	\$32,695	\$2,972	\$29,723	1.84%	\$48
Jun-17	\$163,094	\$16,309	\$146,784	1.84%	\$238	Jun-17	\$198,062	\$19,806	\$178,255	1.84%	\$289	Jun-17	\$29,771	\$2,977	\$26,794	1.84%	\$43
Jul-17	\$147,022	\$16,336	\$130,686	1.84%	\$213	Jul-17	\$178,544	\$19,838	\$158,706	1.84%	\$259	Jul-17	\$26,837	\$2,982	\$23,855	1.84%	\$39
Aug-17	\$130,899	\$16,362	\$114,537	1.84%	\$188	Aug-17	\$158,964	\$19,871	\$139,094	1.84%	\$229	Aug-17	\$23,894	\$2,987	\$20,907	1.84%	\$34
Sep-17	\$114,725	\$16,389	\$98,336	1.84%	\$163	Sep-17	\$139,322	\$19,903	\$119,419	1.84%	\$198	Sep-17	\$20,942	\$2,992	\$17,950	1.84%	\$30
Oct-17	\$98,499	\$16,417	\$82,083	1.84%	\$138	Oct-17	\$119,617	\$19,936	\$99,681	1.84%	\$168	Oct-17	\$17,980	\$2,997	\$14,983	1.84%	\$25
Nov-17	\$82,221	\$16,444	\$65,777	1.84%	\$113	Nov-17	\$99,849	\$19,970	\$79,879	1.84%	\$138	Nov-17	\$15,008	\$3,002	\$12,007	1.84%	\$21
Dec-17	\$65,890	\$16,473	\$49,418	1.84%	\$88	Dec-17	\$80,017	\$20,004	\$60,013	1.84%	\$107	Dec-17	\$12,027	\$3,007	\$9,021	1.84%	\$16
Jan-18	\$49,506	\$16,502	\$33,004	1.84%	\$63	Jan-18	\$60,120	\$20,040	\$40,080	1.84%	\$77	Jan-18	\$9,037	\$3,012	\$6,024	1.84%	\$12
Feb-18	\$33,067	\$16,534	\$16,534	1.84%	\$38	Feb-18	\$40,157	\$20,079	\$20,079	1.84%	\$46	Feb-18	\$6,036	\$3,018	\$3,018	1.84%	\$7
Mar-18	\$16,572	\$16,572	\$0	1.84%	\$13	Mar-18	\$20,125	\$20,125	\$0	1.84%	\$15	Mar-18	\$3,025	\$3,025	\$0	1.84%	\$2
					<u>\$2,797</u>						<u>\$3,396</u>						<u>\$510</u>

Column Notes:

- (1) Jan-17 per Schedule ASC-5, Page 2, Line (3)
- (2) For Apr-2017, (Column (1)) ÷ 12. For May-2017, (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]

Schedule ASC – 8

Unbilled SOS Billing Adjustment

Unbilled Standard Offer Service Billing Adjustments

Unbilled Billing Adjustment Revenue

Month	Net Unbilled Adjustments Residential (a)	Net Unbilled Adjustments Commercial (b)	Total Net Unbilled Adjustments (c)
Jan-16	\$4,870	\$20,452	\$25,323
Feb-16	\$100,311	\$11,878	\$112,189
Mar-16	\$133,746	\$33,202	\$166,949
Apr-16	\$191,882	\$33,003	\$224,885
May-16	\$180,801	\$28,128	\$208,929
Jun-16	\$157,829	\$12,312	\$170,141
Jul-16	\$74,132	(\$4,534)	\$69,597
Aug-16	\$18,396	(\$8,782)	\$9,614
Sep-16	(\$29,825)	(\$10,778)	(\$40,602)
Oct-16	(\$14,965)	(\$2,446)	(\$17,411)
Nov-16	(\$39,592)	(\$5,898)	(\$45,489)
Dec-16	(\$40,698)	(\$8,339)	(\$49,037)
Totals	\$736,889	\$98,199	\$835,087

Column Notes:

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

Schedule ASC – 9

Calculation of Non-Bypassable Transition Charge

Calculation of Proposed Non-bypassable Transition Charge for April 1, 2017

Calculation of 2017 Non-Bypassable Transition Charge

(1) Base Transition Charge per kWh	\$0.00009
(2) Transition Charge Adjustment Factor per kWh	<u>\$0.00048</u>
(3) Proposed Total Transition Charge for April 1, 2017	\$0.00057

Line Descriptions:

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

Calculation of Proposed Non-bypassable Transition Charge for April 1, 2017

Section 1: Individual CTC Amounts

		<u>CTC Charge</u> (1)	<u>Forecasted GWhs</u> (2)	<u>Expected CTC Costs</u> (3)
Narragansett	2017	\$0.00040	6,374	\$2,549,600
BVE	2017	(\$0.00080)	1,694	(\$1,355,182)
Newport	2017	(\$0.00060)	662	(\$396,959)
Total CTC Costs				\$797,459

Section 2: Total Estimated CTC Costs and Transition Charge Calculation

	<u>Total Company GWhs</u> (4)	<u>Total Company CTC Costs</u> (5)
Total		
2017	8,729.576	\$797,459
(6) Transition Charge (\$ per kWh)		\$0.00009

Line/Column Descriptions:

- (1) for Narragansett - per the January 2017 NEP CTC Reconciliation Report, Schedule 1, page 1, line 56, column 10
for BVE - per the January 2017 BVE CTC Reconciliation Report, Schedule 1 BVE, page 1, column 8
for Newport - per the January 2017 Newport CTC Reconciliation Report, Schedule 1 NWPT, page 1, column 8
- (2) for Narragansett - per the January 2017 NEP CTC Reconciliation Report, Schedule 1, page 1, line 56, column 4
for BVE - per the January 2017 Montaup CTC Reconciliation Report, Schedule 1 BVE, page 1, column 2
for Newport - per the January 2017 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 2017
- (5) Sum of Narragansett, BVE and Newport CTC Costs for 2017
- (6) (5) ÷ (4)

Schedule ASC – 10

Non-Bypassable Transition Charge

Reconciliation and Non-Bypassable Transition

Adjustment Charge Reconciliation

For the Period of January 2016 through December 2016

**Transition Service Reconciliation
For the Period January 2016 through December 2016**

Base Reconciliation

<u>Month</u>	(Under)/Over Beginning Balance (a)	Transition Charge Revenue (b)	Contract Termination Expense (c)	Monthly (Under)/Over (d)	(Under)/Over Ending Balance (e)	Interest Balance (f)	Interest Rate (g)	Monthly Interest (h)	Adjustments (i)	(Under)/Over Ending Balance (j)
Jan-16	\$0	(\$999,548)	(\$622,929)	(\$376,619)	(\$376,619)	(\$188,309)	2.54%	(\$399)		(\$377,017)
Feb-16	(\$377,017)	(\$1,135,806)	\$87,793	(\$1,223,599)	(\$1,600,616)	(\$988,817)	2.54%	(\$2,093)		(\$1,602,709)
Mar-16	(\$1,602,709)	(\$1,128,944)	\$87,280	(\$1,216,224)	(\$2,818,934)	(\$2,210,821)	2.14%	(\$3,943)		(\$2,822,876)
Apr-16	(\$2,822,876)	(\$579,752)	\$83,880	(\$663,631)	(\$3,486,508)	(\$3,154,692)	2.14%	(\$5,626)	\$92,289	(\$3,399,844)
May-16	(\$3,399,844)	\$57,451	\$68,418	(\$10,968)	(\$3,410,812)	(\$3,405,328)	2.14%	(\$6,073)		(\$3,416,884)
Jun-16	(\$3,416,884)	\$68,740	\$89,067	(\$20,327)	(\$3,437,212)	(\$3,427,048)	2.14%	(\$6,112)		(\$3,443,323)
Jul-16	(\$3,443,323)	\$86,487	\$97,829	(\$11,342)	(\$3,454,665)	(\$3,448,994)	2.14%	(\$6,151)		(\$3,460,816)
Aug-16	(\$3,460,816)	\$93,512	\$117,708	(\$24,196)	(\$3,485,012)	(\$3,472,914)	2.14%	(\$6,193)		(\$3,491,206)
Sep-16	(\$3,491,206)	\$88,564	\$106,875	(\$18,311)	(\$3,509,517)	(\$3,500,361)	2.14%	(\$6,242)		(\$3,515,759)
Oct-16	(\$3,515,759)	\$71,173	\$78,382	(\$7,209)	(\$3,522,968)	(\$3,519,364)	2.14%	(\$6,276)		(\$3,529,245)
Nov-16	(\$3,529,245)	\$66,162	\$76,978	(\$10,816)	(\$3,540,060)	(\$3,534,652)	2.14%	(\$6,303)		(\$3,546,364)
Dec-16	(\$3,546,364)	\$71,235	\$87,040	(\$15,805)	(\$3,562,169)	(\$3,554,266)	2.14%	(\$6,338)		(\$3,568,508)
Jan-17	(\$3,568,508)	\$11,162		\$11,162	(\$3,557,346)	(\$3,562,927)	2.14%	(\$6,354)		(\$3,563,700)
Total	\$0	(3,229,565)	\$358,322	(\$3,587,886)	(\$3,587,886)			(\$68,103)	\$92,289	(\$3,563,700)

Column Notes:

- Column (a) prior month column (j)
- Column (b) per Company reports
- 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 2016 through December 2016**

Status of Prior Period Over/(Under) Collection

Section 1

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

<u>Month</u>	Beginning Over/(Under) Recovery Balance (a)	Transition Charge (Credit)/Charge (b)	Ending Over/(Under) Recovery Balance (c)	Interest Balance (d)	Interest Rate (e)	Monthly Interest (f)	Ending Balance w/ Interest (g)
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	(\$85,579)	\$219,806	\$262,595	2.54%	\$556	\$220,361
Mar-16	\$220,361	(\$85,005)	\$135,357	\$177,859	2.14%	\$317	\$135,674
(2) Apr-16	\$135,674	(\$43,587)	\$92,086	\$113,880	2.14%	\$203	\$92,289

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

Section 2

Incurred: January 1, 2015 through December 31, 2015
Recovery Period: April 1, 2016 through March 31, 2017

<u>Month</u>	Beginning Over/(Under) Recovery Balance (a)	Transition Charge (Credit)/Charge (b)	Ending Over/(Under) Recovery Balance (c)	Interest Balance (d)	Interest Rate (e)	Monthly Interest (f)	Ending Balance w/ Interest (g)
Jan-16	\$5,216,525	\$0	\$5,216,525	\$5,216,525	2.54%	\$11,042	\$5,227,567
Feb-16	\$5,227,567	\$0	\$5,227,567	\$5,227,567	2.54%	\$11,065	\$5,238,632
Mar-16	\$5,238,632	\$0	\$5,238,632	\$5,238,632	2.14%	\$9,342	\$5,247,974
(1) Apr-16	\$5,247,974	(\$171,649)	\$5,076,325	\$5,162,150	2.14%	\$9,206	\$5,085,531
May-16	\$5,085,531	(\$348,130)	\$4,737,401	\$4,911,466	2.14%	\$8,759	\$4,746,160
Jun-16	\$4,746,160	(\$421,359)	\$4,324,800	\$4,535,480	2.14%	\$8,088	\$4,332,889
Jul-16	\$4,332,889	(\$477,342)	\$3,855,547	\$4,094,218	2.14%	\$7,301	\$3,862,848
Aug-16	\$3,862,848	(\$542,490)	\$3,320,358	\$3,591,603	2.14%	\$6,405	\$3,326,763
Sep-16	\$3,326,763	(\$512,615)	\$2,814,148	\$3,070,456	2.14%	\$5,476	\$2,819,624
Oct-16	\$2,819,624	(\$403,060)	\$2,416,564	\$2,618,094	2.14%	\$4,669	\$2,421,233
Nov-16	\$2,421,233	(\$371,952)	\$2,049,281	\$2,235,257	2.14%	\$3,986	\$2,053,268
Dec-16	\$2,053,268	(\$402,580)	\$1,650,687	\$1,851,978	2.14%	\$3,303	\$1,653,990
Jan-17	\$1,653,990	(\$441,144)	\$1,212,847	\$1,433,418	2.14%	\$2,556	\$1,215,403
Feb-17	\$1,215,403	\$0	\$1,215,403	\$1,215,403	2.14%	\$2,167	\$1,217,570
Mar-17	\$1,217,570	\$0	\$1,217,570	\$1,217,570	1.84%	\$1,867	\$1,219,437
(2) Apr-17	\$1,219,437	\$0	\$1,219,437	\$1,219,437	1.84%	\$1,870	\$1,221,307

Note: Beginning Balance from Schedule ASC-10, page 1, Docket No. 4599, Feb 2016

- (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 2016 through December 2016**

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-17	(\$3,563,700)		(\$3,563,700)	2.14%	(\$6,355)
Feb-17	(\$3,570,055)		(\$3,570,055)	2.14%	(\$6,367)
Mar-17	(\$3,576,422)		(\$3,576,422)	1.84%	(\$5,484)
Apr-17	(\$3,581,906)	(\$298,492)	(\$3,283,413)	1.84%	(\$5,263)
May-17	(\$3,288,677)	(\$298,971)	(\$2,989,706)	1.84%	(\$4,813)
Jun-17	(\$2,994,520)	(\$299,452)	(\$2,695,068)	1.84%	(\$4,362)
Jul-17	(\$2,699,430)	(\$299,937)	(\$2,399,493)	1.84%	(\$3,909)
Aug-17	(\$2,403,402)	(\$300,425)	(\$2,102,977)	1.84%	(\$3,455)
Sep-17	(\$2,106,432)	(\$300,919)	(\$1,805,513)	1.84%	(\$2,999)
Oct-17	(\$1,808,512)	(\$301,419)	(\$1,507,093)	1.84%	(\$2,542)
Nov-17	(\$1,509,635)	(\$301,927)	(\$1,207,708)	1.84%	(\$2,083)
Dec-17	(\$1,209,792)	(\$302,448)	(\$907,344)	1.84%	(\$1,623)
Jan-18	(\$908,967)	(\$302,989)	(\$605,978)	1.84%	(\$1,161)
Feb-18	(\$607,139)	(\$303,570)	(\$303,570)	1.84%	(\$698)
Mar-18	(\$304,268)	(\$304,268)	\$0	1.84%	(\$233)
					<u><u>(\$51,349)</u></u>

(1) Total Transition Under Collection plus Interest during Recovery Period	(\$3,615,049)
(2) forecasted kWh deliveries for the period April 1, 2017 through March 31, 2018	<u>7,423,513,683</u>
(3) Transition Adjustment Factor per kWh	\$0.00048

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

Schedule ASC – 11

Calculation of Proposed Base Transmission Charges

Calculation of 2017 Base Transmission Factors
Effective April 1, 2017 through March 31, 2018

	<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	\$212,722,033						
(2) Coincident Peak Allocator	100.00%	45.12%	8.92%	17.07%	23.44%	5.05%	0.41%
(3) Estimated 2017 Transmission Expenses by Rate Class	\$212,722,033	\$95,975,112	\$18,976,592	\$36,301,176	\$49,857,577	\$10,734,534	\$877,043
(4) Allocated Estimated 2016 Transmission Expenses	\$178,151,436	\$79,595,694	\$15,675,426	\$29,787,336	\$42,177,437	\$10,138,531	\$777,012
(5) Increase/(Decrease)	\$34,570,597	\$16,379,417	\$3,301,166	\$6,513,840	\$7,680,140	\$596,002	\$100,031
(6) Percentage Increase/(Decrease)	19.41%	20.58%	21.06%	21.87%	18.21%	5.88%	12.87%
(7) Forecast 2017 Demand kW	11,451,784			4,545,406	5,657,297	1,249,081	
(8) Forecast kWh for the period April 1, 2017 through March 31, 2018	7,423,513,683	3,027,852,906	596,142,607	1,295,163,245	1,988,885,728	454,899,445	60,569,751
(9) Current Transmission kW Charge				\$3.59	\$3.97	\$3.22	
(10) Proposed Transmission kW Charge				\$4.37	\$4.69	\$3.40	
(11) Transmission Expenses to be Recovered on a kW Basis	\$50,643,023			\$19,863,424	\$26,532,725	\$4,246,874	
(12) Transmission Expenses to be Recovered on a kWh Basis	\$162,079,010	\$95,975,112	\$18,976,592	\$16,437,752	\$23,324,852	\$6,487,659	\$877,043
(13) Proposed Transmission kWh Charge		\$0.03169	\$0.03183	\$0.01269	\$0.01172	\$0.01426	\$0.01447

Line Descriptions:

- (1) per Schedule TMF-1, Page 1, Line (11)
- (2) per Page 2, Column (j)
- (3) Line 2 x Total Line 1
- (4) Schedule ASC-11, Page 1 of 2, Line (3), Docket No. 4599
- (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 03/31/2018			
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 03/31/2018
		(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%	3,027,853	554,409	45.1%
2	C-06	544,439	101,466	61.3%	565,451	101,174	63.8%	62.1%	596,143	109,620	8.9%
3	G02	1,384,485	225,130	70.2%	1,332,785	213,873	71.1%	70.5%	1,295,163	209,697	17.1%
4	B32-G32	2,106,494	306,559	78.4%	2,062,549	295,627	79.6%	78.8%	1,988,886	288,007	23.4%
5	B62-G62-X-01	581,455	77,923	85.2%	545,160	77,059	80.8%	83.7%	454,899	62,009	5.0%
6	S05-S06-S10-S14	70,565	5,590	144.1%	69,860	6,611	120.6%	136.5%	60,570	5,066	0.41%
7											
8	System	7,704,038	1,271,131	69.2%	7,702,044	1,262,270	69.7%		7,423,514	1,228,809	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

Schedule ASC – 12

Transmission Service Reconciliation

For the Period of January 2016 through December 2016

**Transmission Service Reconciliation
For the Period January 2016 through December 2016**

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-16	\$724,100	\$5,603,213	\$13,860,223	(\$8,257,011)	(\$7,532,911)
	Feb-16	(\$7,532,911)	\$12,470,094	\$12,194,962	\$275,132	(\$7,257,779)
	Mar-16	(\$7,257,779)	\$12,402,262	\$12,872,710	(\$470,449)	(\$7,728,227)
	Apr-16	(\$7,728,227)	\$12,338,967	\$12,489,269	(\$150,302)	(\$7,878,530)
	May-16	(\$7,878,530)	\$12,051,535	\$14,840,051	(\$2,788,516)	(\$10,667,045)
	Jun-16	(\$10,667,045)	\$14,254,293	\$15,485,423	(\$1,231,131)	(\$11,898,176)
	Jul-16	(\$11,898,176)	\$16,183,034	\$14,950,031	\$1,233,003	(\$10,665,173)
	Aug-16	(\$10,665,173)	\$18,457,508	\$17,842,946	\$614,561	(\$10,050,611)
	Sep-16	(\$10,050,611)	\$17,318,504	\$12,983,844	\$4,334,659	(\$5,715,952)
	Oct-16	(\$5,715,952)	\$13,746,921	\$10,859,253	\$2,887,668	(\$2,828,284)
	Nov-16	(\$2,828,284)	\$12,784,003	\$13,014,694	(\$230,690)	(\$3,058,974)
	Dec-16	(\$3,058,974)	\$13,605,427	\$12,190,432	\$1,414,994	(\$1,643,980)
(2)	Jan-17	(\$1,643,980)	\$8,750,569	\$0	\$8,750,569	\$7,106,589
	Total	\$724,100	\$169,966,329	\$163,583,840	\$6,382,489	\$7,106,589

Adjustments:

Ending Balance Over/(Under) Incurred During 2014 (\$395,177)

Total Adjustments: (\$395,177)

Ending Balance Prior to Application of Interest \$6,711,412

(3) Interest \$82,038

Base Transmission Reconciliation Balance with Interest \$6,793,450

(1) Reflects kWhs consumed after January 1

(2) Reflects kWhs consumed prior to January 1

(3) $[(\text{Beginning Balance} + \text{Ending Balance}) \div 2] \times [(2.54\% \times 2/12) + (2.14\% \times 10/12)]$

Column Notes:

(a) Jan.-16, True-Up of Dec. 2015 Expenses; Feb.-16 through Jan.-17, 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 2016 through December 2016**

Base Reconciliation - Bv Rate Class

Rate A-16/A-60						Rate C-06						Rate G-02								
Month	Beginning	Revenue	Expense	Over/(Under)		Beginning	Revenue	Expense	Over/(Under)		Beginning	Revenue	Expense	Over/(Under)						
	Balance			Monthly	Ending				Monthly	Ending				Monthly	Ending					
	(a)	(b)	(c)	Over/(Under)	Balance	(a)	(b)	(c)	Over/(Under)	Balance	(a)	(b)	(c)	Over/(Under)	Balance					
Jan-16	\$345,125	\$2,643,483	\$6,895,417	(\$4,251,935)	(\$3,906,810)	\$53,192	\$482,361	\$965,842	(\$483,481)	(\$430,289)	\$114,488	\$932,502	\$2,054,940	(\$1,122,438)	(\$1,007,950)					
Feb-16	(\$3,906,810)	\$5,689,218	\$6,213,395	(\$524,177)	(\$4,430,987)	(\$430,289)	\$1,106,059	\$812,953	\$293,106	(\$137,183)	(\$1,007,950)	\$2,031,830	\$1,792,640	\$239,190	(\$768,760)					
Mar-16	(\$4,430,987)	\$5,517,563	\$5,804,376	(\$286,813)	(\$4,717,800)	(\$137,183)	\$1,120,386	\$901,484	\$218,901	\$81,718	(\$768,760)	\$2,111,327	\$2,092,817	\$18,510	(\$750,250)					
Apr-16	(\$4,717,800)	\$5,283,768	\$5,758,411	(\$474,643)	(\$5,192,443)	\$81,718	\$1,109,507	\$744,975	\$364,532	\$446,250	(\$750,250)	\$2,161,578	\$1,897,002	\$264,576	(\$485,674)					
May-16	(\$5,192,443)	\$4,837,213	\$6,494,476	(\$1,657,263)	(\$6,849,706)	\$446,250	\$1,053,672	\$1,252,443	(\$198,772)	\$247,478	(\$485,674)	\$2,284,416	\$2,601,802	(\$317,386)	(\$803,060)					
Jun-16	(\$6,849,706)	\$6,231,291	\$6,703,636	(\$472,345)	(\$7,322,051)	\$247,478	\$1,248,349	\$1,402,760	(\$154,411)	\$93,067	(\$803,060)	\$2,526,797	\$2,745,415	(\$218,618)	(\$1,021,678)					
Jul-16	(\$7,322,051)	\$7,728,850	\$7,804,784	(\$75,933)	(\$7,397,985)	\$93,067	\$1,410,326	\$1,111,883	\$298,442	\$391,510	(\$1,021,678)	\$2,717,475	\$2,370,695	\$346,779	(\$674,898)					
Aug-16	(\$7,397,985)	\$9,492,530	\$8,810,615	\$681,915	(\$6,716,070)	\$391,510	\$1,544,582	\$1,628,600	(\$84,018)	\$307,492	(\$674,898)	\$2,853,427	\$2,887,001	(\$33,574)	(\$708,472)					
Sep-16	(\$6,716,070)	\$8,384,578	\$5,941,736	\$2,442,843	(\$4,273,227)	\$307,492	\$1,483,226	\$1,214,084	\$269,142	\$576,634	(\$708,472)	\$2,843,768	\$2,245,900	\$597,868	(\$110,604)					
Oct-16	(\$4,273,227)	\$5,838,948	\$4,811,480	\$1,027,468	(\$3,245,760)	\$576,634	\$1,207,567	\$755,563	\$452,004	\$1,028,638	(\$110,604)	\$2,484,712	\$1,755,279	\$729,433	\$618,828					
Nov-16	(\$3,245,760)	\$5,354,944	\$5,788,727	(\$433,783)	(\$3,679,543)	\$1,028,638	\$1,092,191	\$925,597	\$166,594	\$1,195,232	\$618,828	\$2,339,133	\$2,141,958	\$197,175	\$816,003					
Dec-16	(\$3,679,543)	\$6,186,716	\$5,810,274	\$376,442	(\$3,303,101)	\$1,195,232	\$1,180,309	\$895,498	\$284,811	\$1,480,043	\$816,003	\$2,288,586	\$1,927,439	\$361,147	\$1,177,151					
Jan-17	(\$3,303,101)	\$4,140,958	\$0	\$4,140,958	\$837,856	\$1,480,043	\$793,506	\$0	\$793,506	\$2,273,549	\$1,177,151	\$1,442,146	\$0	\$1,442,146	\$2,619,297					
Adjustments:		\$77,330,058	\$76,837,326	\$492,732			\$14,832,040	\$12,611,683	\$2,220,357			\$29,017,696	\$26,512,887	\$2,504,809						
Ending Balance Over/(Under) Incurred During 2014						\$16,622	Ending Balance Over/(Under) Incurred During 2014						(\$62,830)	Ending Balance Over/(Under) Incurred During 2014						(\$23,313)
Ending Balance Prior to Application of Interest						\$854,478	Ending Balance Prior to Application of Interest						\$2,210,719	Ending Balance Prior to Application of Interest						\$2,595,984
Interest						\$13,236	Interest						\$24,978	Interest						\$29,906
Ending Balance Including Interest						\$867,714	Ending Balance Including Interest						\$2,235,697	Ending Balance Including Interest						\$2,625,890

Rate B-32/G-32						Rate B-62/G-62/X-01						Rate S-05/S-06/S-10/S-14								
Month	Beginning	Revenue	Expense	Over/(Under)		Beginning	Revenue	Expense	Over/(Under)		Beginning	Revenue	Expense	Over/(Under)						
	Balance			Monthly	Ending				Monthly	Ending				Monthly	Ending					
	(a)	(b)	(c)	Over/(Under)	Balance	(a)	(b)	(c)	Over/(Under)	Balance	(a)	(b)	(c)	Over/(Under)	Balance					
Jan-16	\$165,319	\$1,260,208	\$3,078,317	(\$1,818,109)	(\$1,652,790)	\$39,939	\$251,542	\$696,196	(\$444,654)	(\$404,715)	\$6,038	\$33,118	\$169,511	(\$136,393)	(\$130,356)					
Feb-16	(\$1,652,790)	\$2,909,504	\$2,547,539	\$361,965	(\$1,290,826)	(\$404,715)	\$674,714	\$654,377	\$20,337	(\$384,378)	(\$130,356)	\$58,769	\$174,058	(\$115,289)	(\$245,644)					
Mar-16	(\$1,290,826)	\$2,906,436	\$3,163,064	(\$256,628)	(\$1,547,454)	(\$384,378)	\$690,862	\$738,519	(\$47,657)	(\$432,035)	(\$245,644)	\$55,688	\$172,450	(\$116,762)	(\$362,406)					
Apr-16	(\$1,547,454)	\$3,029,888	\$3,109,235	(\$79,347)	(\$1,626,800)	(\$432,035)	\$694,941	\$800,849	(\$105,908)	(\$537,944)	(\$362,406)	\$59,284	\$178,796	(\$119,512)	(\$481,919)					
May-16	(\$1,626,800)	\$3,154,748	\$3,699,388	(\$544,640)	(\$2,171,441)	(\$537,944)	\$686,551	\$791,586	(\$105,035)	(\$642,979)	(\$481,919)	\$34,937	\$356	\$34,581	(\$447,338)					
Jun-16	(\$2,171,441)	\$3,467,190	\$3,747,863	(\$280,673)	(\$2,452,113)	(\$642,979)	\$747,200	\$885,415	(\$138,216)	(\$781,195)	(\$447,338)	\$33,466	\$334	\$33,132	(\$414,206)					
Jul-16	(\$2,452,113)	\$3,504,659	\$2,991,655	\$513,005	(\$1,939,109)	(\$781,195)	\$786,238	\$670,742	\$115,495	(\$665,699)	(\$414,206)	\$35,487	\$272	\$35,215	(\$378,991)					
Aug-16	(\$1,939,109)	\$3,708,865	\$3,740,936	(\$32,071)	(\$1,971,180)	(\$665,699)	\$822,935	\$775,507	\$47,428	(\$618,271)	(\$378,991)	\$35,169	\$288	\$34,881	(\$344,110)					
Sep-16	(\$1,971,180)	\$3,723,639	\$2,926,328	\$797,311	(\$1,173,869)	(\$618,271)	\$841,399	\$655,558	\$185,841	(\$432,431)	(\$344,110)	\$41,893	\$239	\$41,655	(\$302,455)					
Oct-16	(\$1,173,869)	\$3,377,997	\$2,764,705	\$613,292	(\$560,576)	(\$432,431)	\$788,595	\$668,833	\$119,762	(\$312,668)	(\$302,455)	\$49,103	\$103,393	(\$54,290)	(\$356,745)					
Nov-16	(\$560,576)	\$3,235,181	\$3,298,155	(\$62,974)	(\$623,550)	(\$312,668)	\$711,973	\$728,329	(\$16,357)	(\$329,025)	(\$356,745)	\$50,582	\$131,927	(\$81,345)	(\$438,091)					
Dec-16	(\$623,550)	\$3,166,396	\$2,783,192	\$383,204	(\$240,346)	(\$329,025)	\$728,549	\$672,386	\$56,163	(\$272,862)	(\$438,091)	\$54,871	\$101,644	(\$46,773)	(\$484,863)					
Jan-17	(\$240,346)	\$1,908,005	\$0	\$1,908,005	\$1,667,659	(\$272,862)	\$430,614	\$0	\$430,614	\$157,752	(\$484,863)	\$35,339	\$0	\$35,339	(\$449,524)					
Adjustments:		\$39,352,717	\$37,850,377	\$1,502,340			\$8,856,112	\$8,738,299	\$117,812			\$577,705	\$1,033,267	(\$455,562)						
Ending Balance Over/(Under) Incurred During 2014						(\$131,345)	Ending Balance Over/(Under) Incurred During 2014						(\$455,185)	Ending Balance Over/(Under) Incurred During 2014						\$260,872
Ending Balance Prior to Application of Interest						\$1,536,314	Ending Balance Prior to Application of Interest						(\$297,433)	Ending Balance Prior to Application of Interest						(\$188,652)
Interest						\$18,775	Interest						(\$2,841)	Interest						(\$2,015)
Ending Balance Including Interest						\$1,555,089	Ending Balance Including Interest						(\$300,274)	Ending Balance Including Interest						(\$190,667)

Column Notes:

- (a) Jan.-16, True-Up of Dec. 2015 Expenses; Feb.-16 through Jan.-17, 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 2016 through December 2016**

Revenue By Rate Class

		Rate A-16/A-60				Rate C-06				Rate G-02			
		Transmission				Transmission				Transmission			
		Total	Uncollectible	Related	Base	Total	Uncollectible	Related	Base	Total	Uncollectible	Related	Base
Month		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-16	\$2,678,682	\$35,199		\$2,643,483	\$488,116	\$5,755		\$482,361	\$944,862	\$12,201	(\$160)	\$932,502
	Feb-16	\$5,764,985	\$75,767		\$5,689,218	\$1,119,255	\$13,196		\$1,106,059	\$2,058,589	\$26,336	(\$423)	\$2,031,830
	Mar-16	\$5,591,034	\$73,471		\$5,517,563	\$1,133,753	\$13,368		\$1,120,386	\$2,139,317	\$27,611	(\$379)	\$2,111,327
(2)	Apr-16	\$5,355,641	\$71,873		\$5,283,768	\$1,123,177	\$13,669		\$1,109,507	\$2,190,255	\$28,345	(\$331)	\$2,161,578
	May-16	\$4,902,462	\$65,250		\$4,837,213	\$1,066,620	\$12,949		\$1,053,672	\$2,313,179	\$28,287	(\$476)	\$2,284,416
	Jun-16	\$6,315,315	\$84,024		\$6,231,291	\$1,263,672	\$15,323		\$1,248,349	\$2,560,373	\$33,189	(\$387)	\$2,526,797
	Jul-16	\$7,833,054	\$104,204		\$7,728,850	\$1,427,637	\$17,312		\$1,410,326	\$2,755,044	\$36,961	(\$608)	\$2,717,475
	Aug-16	\$9,620,513	\$127,983		\$9,492,530	\$1,563,538	\$18,956		\$1,544,582	\$2,893,392	\$39,365	(\$600)	\$2,853,427
	Sep-16	\$8,497,663	\$113,084		\$8,384,578	\$1,501,438	\$18,212		\$1,483,226	\$2,883,026	\$38,707	(\$551)	\$2,843,768
	Oct-16	\$5,917,684	\$78,736		\$5,838,948	\$1,222,381	\$14,814		\$1,207,567	\$2,517,137	\$31,958	(\$467)	\$2,484,712
	Nov-16	\$5,427,139	\$72,196		\$5,354,944	\$1,105,596	\$13,405		\$1,092,191	\$2,368,644	\$29,083	(\$428)	\$2,339,133
	Dec-16	\$6,270,179	\$83,464		\$6,186,716	\$1,194,795	\$14,486		\$1,180,309	\$2,318,765	\$29,837	(\$342)	\$2,288,586
(3)	Jan-17	\$4,196,816	\$55,859		\$4,140,958	\$803,248	\$9,741		\$793,506	\$1,461,337	\$18,888	(\$303)	\$1,442,146
Total		\$78,371,168	\$1,041,110	\$0	\$77,330,058	\$15,013,228	\$181,188	\$0	\$14,832,040	\$29,403,919	\$380,767	(\$5,456)	\$29,017,696

Rate B-32/G-32					Rate B-62/G-62/X-01					Rate SL				
		Total	Uncollectible	Related	Base	Total	Uncollectible	Related	Base	Total	Uncollectible	Related	Base	
Month		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-16	\$1,281,156	\$17,560	(\$3,388)	\$1,260,208	\$258,017	\$3,670	(\$2,805)	\$251,542	\$33,987	\$869		\$33,118	
	Feb-16	\$2,957,809	\$40,527	(\$7,778)	\$2,909,504	\$692,351	\$9,974	(\$7,663)	\$674,714	\$60,311	\$1,542		\$58,769	
	Mar-16	\$2,955,105	\$41,030	(\$7,640)	\$2,906,436	\$707,874	\$9,330	(\$7,682)	\$690,862	\$57,150	\$1,461		\$55,688	
(2)	Apr-16	\$3,080,936	\$42,975	(\$8,072)	\$3,029,888	\$713,330	\$10,564	(\$7,825)	\$694,941	\$60,620	\$1,336		\$59,284	
	May-16	\$3,205,349	\$41,921	(\$8,680)	\$3,154,748	\$703,366	\$9,459	(\$7,357)	\$686,551	\$35,675	\$738		\$34,937	
	Jun-16	\$3,525,555	\$48,516	(\$9,849)	\$3,467,190	\$765,552	\$10,516	(\$7,836)	\$747,200	\$34,171	\$705		\$33,466	
	Jul-16	\$3,562,903	\$49,138	(\$9,106)	\$3,504,659	\$805,583	\$10,923	(\$8,423)	\$786,238	\$36,236	\$749		\$35,487	
	Aug-16	\$3,771,667	\$52,171	(\$10,631)	\$3,708,865	\$843,564	\$11,718	(\$8,911)	\$822,935	\$35,911	\$741		\$35,169	
	Sep-16	\$3,787,463	\$52,994	(\$10,830)	\$3,723,639	\$862,357	\$11,838	(\$9,120)	\$841,399	\$42,777	\$884		\$41,893	
	Oct-16	\$3,433,238	\$45,807	(\$9,433)	\$3,377,997	\$808,146	\$11,043	(\$8,508)	\$788,595	\$50,139	\$1,036		\$49,103	
	Nov-16	\$3,287,654	\$43,433	(\$9,040)	\$3,235,181	\$729,502	\$9,899	(\$7,631)	\$711,973	\$51,649	\$1,067		\$50,582	
	Dec-16	\$3,219,688	\$44,120	(\$9,172)	\$3,166,396	\$747,017	\$10,618	(\$7,851)	\$728,549	\$56,029	\$1,158		\$54,871	
(3)	Jan-17	\$1,939,849	\$26,793	(\$5,051)	\$1,908,005	\$441,448	\$6,173	(\$4,661)	\$430,614	\$36,085	\$746		\$35,339	
Total		\$40,008,371	\$546,985	(\$108,669)	\$39,352,717	\$9,078,108	\$125,725	(\$96,271)	\$8,856,112	\$590,738	\$13,033	\$0	\$577,705	

- (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 2016 through December 2016**

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-16	\$9,796,030	\$3,474,443	\$344,664	\$245,086	\$13,860,223
Feb-16	\$10,035,464	\$1,554,566	\$354,945	\$249,987	\$12,194,962
Mar-16	\$8,888,577	\$3,427,945	\$336,933	\$219,255	\$12,872,710
Apr-16	\$8,815,859	\$3,116,786	\$338,422	\$218,202	\$12,489,269
May-16	\$10,311,968	\$3,905,550	\$368,118	\$254,415	\$14,840,051
Jun-16	\$11,408,350	\$3,404,057	\$405,941	\$267,076	\$15,485,423
Jul-16	\$14,042,911	\$123,764	\$448,700	\$334,656	\$14,950,031
Aug-16	\$15,402,230	\$1,598,703	\$480,152	\$361,861	\$17,842,946
Sep-16	\$13,977,815	(\$1,589,374)	\$458,574	\$136,828	\$12,983,844
Oct-16	\$8,684,254	\$1,633,240	\$339,850	\$201,909	\$10,859,253
Nov-16	\$9,213,000	\$3,233,010	\$344,256	\$224,428	\$13,014,694
(1) Dec-16	\$9,238,556	\$2,425,797	\$339,197	\$186,882	\$12,190,432
Total	\$129,815,015	\$26,308,487	\$4,559,753	\$2,900,585	\$163,583,840

(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-16	\$6,895,417	\$965,842	\$2,054,940	\$3,078,317	\$696,196	\$169,511	\$13,860,223
Feb-16	\$6,213,395	\$812,953	\$1,792,640	\$2,547,539	\$654,377	\$174,058	\$12,194,962
Mar-16	\$5,804,376	\$901,484	\$2,092,817	\$3,163,064	\$738,519	\$172,450	\$12,872,710
Apr-16	\$5,758,411	\$744,975	\$1,897,002	\$3,109,235	\$800,849	\$178,796	\$12,489,269
May-16	\$6,494,476	\$1,252,443	\$2,601,802	\$3,699,388	\$791,586	\$356	\$14,840,051
Jun-16	\$6,703,636	\$1,402,760	\$2,745,415	\$3,747,863	\$885,415	\$334	\$15,485,423
Jul-16	\$7,804,784	\$1,111,883	\$2,370,695	\$2,991,655	\$670,742	\$272	\$14,950,031
Aug-16	\$8,810,615	\$1,628,600	\$2,887,001	\$3,740,936	\$775,507	\$288	\$17,842,946
Sep-16	\$5,941,736	\$1,214,084	\$2,245,900	\$2,926,328	\$655,558	\$239	\$12,983,844
Oct-16	\$4,811,480	\$755,563	\$1,755,279	\$2,764,705	\$668,833	\$103,393	\$10,859,253
Nov-16	\$5,788,727	\$925,597	\$2,141,958	\$3,298,155	\$728,329	\$131,927	\$13,014,694
Dec-16	\$5,810,274	\$895,498	\$1,927,439	\$2,783,192	\$672,386	\$101,644	\$12,190,432
Total	\$76,837,326	\$12,611,683	\$26,512,887	\$37,850,377	\$8,738,299	\$1,033,267	\$163,583,840

(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 2016 through December 2016

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-2016	1,149,869	572,056	80,128	170,482	255,383	57,758	14,063
Feb-2016	1,098,411	559,646	73,223	161,465	229,459	58,940	15,678
Mar-2016	1,010,447	455,616	70,762	164,276	248,286	57,970	13,537
Apr-2016	969,155	446,847	57,809	147,205	241,274	62,145	13,874
May-2016	1,168,250	511,263	98,596	204,821	291,226	62,316	28
Jun-2016	1,299,394	562,507	117,707	230,370	314,486	74,296	28
Jul-2016	1,542,495	805,272	114,720	244,601	308,669	69,205	28
Aug-2016	1,737,201	857,807	158,562	281,080	364,220	75,504	28
Sep-2016	1,524,873	697,821	142,587	263,767	343,679	76,991	28
Oct-2016	950,147	420,988	66,109	153,581	241,902	58,521	9,047
Nov-2016	1,016,169	451,976	72,269	167,241	257,515	56,867	10,301
Dec-2016	1,151,117	548,652	84,560	182,004	262,811	63,492	9,598
Total	14,617,529	6,890,451	1,137,033	2,370,893	3,358,910	774,005	86,237

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-2016	100.0%	49.7%	7.0%	14.8%	22.2%	5.0%	1.2%
Feb-2016	100.0%	51.0%	6.7%	14.7%	20.9%	5.4%	1.4%
Mar-2016	100.0%	45.1%	7.0%	16.3%	24.6%	5.7%	1.3%
Apr-2016	100.0%	46.1%	6.0%	15.2%	24.9%	6.4%	1.4%
May-2016	100.0%	43.8%	8.4%	17.5%	24.9%	5.3%	0.0%
Jun-2016	100.0%	43.3%	9.1%	17.7%	24.2%	5.7%	0.0%
Jul-2016	100.0%	52.2%	7.4%	15.9%	20.0%	4.5%	0.0%
Aug-2016	100.0%	49.4%	9.1%	16.2%	21.0%	4.3%	0.0%
Sep-2016	100.0%	45.8%	9.4%	17.3%	22.5%	5.0%	0.0%
Oct-2016	100.0%	44.3%	7.0%	16.2%	25.5%	6.2%	1.0%
Nov-2016	100.0%	44.5%	7.1%	16.5%	25.3%	5.6%	1.0%
Dec-2016	100.0%	47.7%	7.3%	15.8%	22.8%	5.5%	0.8%

Transmission Service Reconciliation
For the Period January 2016 through December 2016

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)			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-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)	\$171,102	(\$1,856,804)	(\$1,942,355)	2.54%	(\$4,111)	(\$1,860,916)	\$1,269,003	(\$125,337)	\$1,143,666	\$1,206,334	2.54%	\$2,553	\$1,146,219	\$643,712	(\$30,104)	\$613,608	\$628,660	2.54%	\$1,331	\$614,939	
May-15	(\$1,860,916)	\$126,199	(\$1,734,717)	(\$1,797,816)	2.54%	(\$3,805)	(\$1,738,523)	\$1,146,219	(\$91,814)	\$1,054,405	\$1,100,312	2.54%	\$2,329	\$1,056,734	\$614,939	(\$52,589)	\$562,349	\$588,644	2.54%	\$1,246	\$563,595	
Jun-15	(\$1,738,523)	\$142,510	(\$1,596,012)	(\$1,667,267)	2.54%	(\$3,529)	(\$1,599,541)	\$1,056,734	(\$100,391)	\$956,343	\$1,006,539	2.54%	\$2,131	\$958,474	\$563,595	(\$55,819)	\$507,777	\$535,686	2.54%	\$1,134	\$508,911	
Jul-15	(\$1,599,541)	\$179,933	(\$1,419,608)	(\$1,509,575)	2.54%	(\$3,195)	(\$1,422,803)	\$958,474	(\$110,778)	\$847,696	\$903,085	2.54%	\$1,912	\$849,607	\$508,911	(\$59,579)	\$449,332	\$479,121	2.54%	\$1,014	\$450,346	
Aug-15	(\$1,422,803)	\$215,172	(\$1,207,631)	(\$1,315,217)	2.54%	(\$2,784)	(\$1,210,415)	\$849,607	(\$126,243)	\$723,365	\$786,486	2.54%	\$1,665	\$725,029	\$450,346	(\$65,174)	\$385,172	\$417,759	2.54%	\$884	\$386,056	
Sep-15	(\$1,210,415)	\$215,663	(\$994,752)	(\$1,102,583)	2.54%	(\$2,334)	(\$997,086)	\$725,029	(\$124,631)	\$600,398	\$662,714	2.54%	\$1,403	\$601,801	\$386,056	(\$66,728)	\$319,328	\$352,692	2.54%	\$747	\$320,075	
Oct-15	(\$997,086)	\$149,651	(\$847,435)	(\$922,260)	2.54%	(\$1,952)	(\$849,387)	\$601,801	(\$99,420)	\$502,381	\$552,091	2.54%	\$1,169	\$503,550	\$320,075	(\$54,464)	\$265,611	\$292,843	2.54%	\$620	\$266,231	
Nov-15	(\$849,387)	\$128,934	(\$720,453)	(\$784,920)	2.54%	(\$1,661)	(\$722,115)	\$503,550	(\$88,334)	\$415,216	\$459,383	2.54%	\$972	\$416,188	\$266,231	(\$48,091)	\$218,140	\$242,186	2.54%	\$513	\$218,653	
Dec-15	(\$722,115)	\$165,980	(\$556,135)	(\$639,125)	2.54%	(\$1,353)	(\$557,487)	\$416,188	(\$105,098)	\$311,090	\$363,639	2.54%	\$770	\$311,860	\$218,653	(\$55,076)	\$163,577	\$191,115	2.54%	\$405	\$163,981	
Jan-16	(\$557,487)	\$174,890	(\$382,597)	(\$470,042)	2.54%	(\$995)	(\$383,592)	\$311,860	(\$106,509)	\$205,351	\$258,606	2.54%	\$547	\$205,899	\$163,981	(\$54,879)	\$109,102	\$136,542	2.54%	\$289	\$109,391	
Feb-16	(\$383,592)	\$164,161	(\$219,431)	(\$301,511)	2.54%	(\$638)	(\$220,069)	\$205,899	(\$106,509)	\$99,390	\$152,644	2.54%	\$323	\$99,713	\$109,391	(\$50,804)	\$58,588	\$83,989	2.54%	\$178	\$58,765	
Mar-16	(\$220,069)	\$159,182	(\$60,887)	(\$140,478)	2.14%	(\$251)	(\$61,137)	\$99,713	(\$107,928)	(\$8,215)	\$45,749	2.14%	\$82	(\$8,133)	\$58,765	(\$54,162)	\$4,603	\$31,684	2.14%	\$57	\$4,660	
(2) Apr-16	(\$61,137)	\$77,799	\$16,662	(\$22,238)	2.14%	(\$40)	\$16,622	(\$8,133)	(\$54,633)	(\$62,766)	(\$35,450)	2.14%	(\$63)	(\$62,830)	\$4,660	(\$27,956)	(\$23,296)	(\$9,318)	2.14%	(\$17)	(\$23,313)	
\$2,071,176								(\$1,347,624)						(\$675,424)								

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	w/Interest		Balance	(Refund)	Balance	Balance	Rate	w/Interest		Balance	(Refund)	Balance	Balance	Rate	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	(\$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)	
	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)	
	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)	
(1)	Apr-15	(\$1,611,368)	(\$34,911)	(\$1,646,279)	(\$1,628,823)	2.54%	(\$3,448)	(\$1,649,726)	(\$1,900,375)	\$103,245	(\$1,797,129)	(\$1,848,752)	2.54%	(\$3,913)	(\$1,801,042)	(\$690,067)	\$41,023	(\$649,044)	(\$669,555)	2.54%	(\$1,417)	(\$650,461)	
	May-15	(\$1,649,726)	\$117,474	(\$1,532,252)	(\$1,590,989)	2.54%	(\$3,368)	(\$1,535,619)	(\$1,801,042)	\$108,656	(\$1,692,387)	(\$1,746,715)	2.54%	(\$3,697)	(\$1,696,084)	(\$650,461)	\$48,073	(\$602,388)	(\$626,424)	2.54%	(\$1,326)	(\$603,714)	
	Jun-15	(\$1,535,619)	\$137,865	(\$1,397,755)	(\$1,466,687)	2.54%	(\$3,104)	(\$1,400,859)	(\$1,696,084)	\$115,152	(\$1,580,933)	(\$1,638,508)	2.54%	(\$3,468)	(\$1,584,401)	(\$603,714)	\$39,851	(\$563,863)	(\$583,788)	2.54%	(\$1,236)	(\$565,099)	
	Jul-15	(\$1,400,859)	\$140,021	(\$1,260,838)	(\$1,330,849)	2.54%	(\$2,817)	(\$1,263,655)	(\$1,584,401)	\$106,808	(\$1,477,593)	(\$1,530,997)	2.54%	(\$3,241)	(\$1,480,833)	(\$565,099)	\$41,608	(\$523,490)	(\$544,294)	2.54%	(\$1,152)	(\$524,642)	
	Aug-15	(\$1,263,655)	\$148,993	(\$1,114,663)	(\$1,189,159)	2.54%	(\$2,517)	(\$1,117,180)	(\$1,480,833)	\$147,536	(\$1,333,297)	(\$1,407,065)	2.54%	(\$2,978)	(\$1,336,275)	(\$524,642)	\$47,497	(\$477,145)	(\$500,894)	2.54%	(\$1,060)	(\$478,206)	
	Sep-15	(\$1,117,180)	\$152,468	(\$964,711)	(\$1,040,946)	2.54%	(\$2,203)	(\$966,915)	(\$1,336,275)	\$134,993	(\$1,201,282)	(\$1,268,778)	2.54%	(\$2,686)	(\$1,203,967)	(\$478,206)	\$52,945	(\$425,260)	(\$451,733)	2.54%	(\$956)	(\$426,216)	
	Oct-15	(\$966,915)	\$125,978	(\$840,937)	(\$903,926)	2.54%	(\$1,913)	(\$842,850)	(\$1,203,967)	\$123,110	(\$1,080,858)	(\$1,142,413)	2.54%	(\$2,418)	(\$1,083,276)	(\$426,216)	\$57,761	(\$368,456)	(\$397,336)	2.54%	(\$841)	(\$369,297)	
	Nov-15	(\$842,850)	\$124,317	(\$718,532)	(\$780,691)	2.54%	(\$1,652)	(\$720,185)	(\$1,083,276)	\$109,060	(\$974,216)	(\$1,028,746)	2.54%	(\$2,178)	(\$976,393)	(\$369,297)	\$63,475	(\$305,822)	(\$337,559)	2.54%	(\$715)	(\$306,536)	
(2)	Dec-15	(\$720,185)	\$133,886	(\$586,299)	(\$653,242)	2.54%	(\$1,383)	(\$587,681)	(\$976,393)	\$118,828	(\$857,566)	(\$916,979)	2.54%	(\$1,941)	(\$859,507)	(\$306,536)	\$73,677	(\$232,859)	(\$269,697)	2.54%	(\$571)	(\$233,429)	
	Jan-16	(\$587,681)	\$128,494	(\$458,833)	(\$523,257)	2.54%	(\$1,108)	(\$459,940)	(\$859,507)	\$104,010	(\$755,497)	(\$807,502)	2.54%	(\$1,709)	(\$757,206)	(\$233,429)	\$78,376	(\$155,053)	(\$194,241)	2.54%	(\$411)	(\$155,464)	
	Feb-16	(\$459,940)	\$128,923	(\$331,017)	(\$395,479)	2.54%	(\$837)	(\$331,854)	(\$757,206)	\$123,279	(\$633,927)	(\$695,567)	2.54%	(\$1,472)	(\$635,399)	(\$155,464)	\$60,655	(\$94,810)	(\$125,137)	2.54%	(\$265)	(\$95,074)	
	Mar-16	(\$331,854)	\$130,936	(\$200,918)	(\$266,386)	2.14%	(\$475)	(\$201,393)	(\$635,399)	\$115,323	(\$520,076)	(\$577,738)	2.14%	(\$1,030)	(\$521,107)	(\$95,074)	\$57,477	(\$37,598)	(\$66,336)	2.14%	(\$118)	(\$37,716)	
	Apr-16	(\$201,393)	\$70,344	(\$131,049)	(\$166,221)	2.14%	(\$296)	(\$131,345)	(\$521,107)	\$66,792	(\$454,315)	(\$487,711)	2.14%	(\$870)	(\$455,185)	(\$37,716)	\$298,390	\$260,674	\$111,479	2.14%	\$199	\$260,872	
			\$1,505,145							\$1,476,791							\$960,808						

(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 of 7, 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)

**Transmission Service Reconciliation
For the Period January 2016 through December 2016**

Status of Prior Period Over/(Under) Collection

Incurred: January 1, 2015 through December 31, 2015
Recovery Period: April 1, 2016 through March 31, 2017

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-16	(\$2,256,069)		(\$2,256,069)	(\$2,256,069)	2.54%	(\$4,775)	(\$2,260,844)	\$431,651		\$431,651	\$431,651	2.54%	\$914	\$432,564	(\$96,271)		(\$96,271)	(\$96,271)	2.54%	(\$204)	(\$96,475)
Feb-16	(\$2,260,844)		(\$2,260,844)	(\$2,260,844)	2.54%	(\$4,785)	(\$2,265,630)	\$432,564		\$432,564	\$432,564	2.54%	\$916	\$433,480	(\$96,475)		(\$96,475)	(\$96,475)	2.54%	(\$204)	(\$96,679)
Mar-16	(\$2,265,630)		(\$2,265,630)	(\$2,265,630)	2.14%	(\$4,040)	(\$2,269,670)	\$433,480		\$433,480	\$433,480	2.14%	\$773	\$434,253	(\$96,679)		(\$96,679)	(\$96,679)	2.14%	(\$172)	(\$96,852)
(1) Apr-16	(\$2,269,670)	\$73,787	(\$2,195,883)	(\$2,232,777)	2.14%	(\$3,982)	(\$2,199,865)	\$434,253	(\$16,189)	\$418,064	\$426,159	2.14%	\$760	\$418,824	(\$96,852)	\$2,467	(\$94,385)	(\$95,618)	2.14%	(\$171)	(\$94,555)
May-16	(\$2,199,865)	\$137,854	(\$2,062,011)	(\$2,130,938)	2.14%	(\$3,800)	(\$2,065,811)	\$418,824	(\$29,665)	\$389,160	\$403,992	2.14%	\$720	\$389,880	(\$94,555)	\$6,390	(\$88,166)	(\$91,361)	2.14%	(\$163)	(\$88,329)
Jun-16	(\$2,065,811)	\$177,618	(\$1,888,193)	(\$1,977,002)	2.14%	(\$3,526)	(\$1,891,719)	\$389,880	(\$34,959)	\$354,921	\$372,401	2.14%	\$664	\$355,585	(\$88,329)	\$7,707	(\$80,621)	(\$84,475)	2.14%	(\$151)	(\$80,772)
Jul-16	(\$1,891,719)	\$220,319	(\$1,671,400)	(\$1,781,559)	2.14%	(\$3,177)	(\$1,674,577)	\$355,585	(\$39,506)	\$316,079	\$335,832	2.14%	\$599	\$316,678	(\$80,772)	\$8,613	(\$72,159)	(\$76,465)	2.14%	(\$136)	(\$72,295)
Aug-16	(\$1,674,577)	\$270,589	(\$1,403,988)	(\$1,539,282)	2.14%	(\$2,745)	(\$1,406,733)	\$316,678	(\$42,878)	\$273,800	\$295,239	2.14%	\$527	\$274,327	(\$72,295)	\$8,875	(\$63,420)	(\$67,858)	2.14%	(\$121)	(\$63,541)
Sep-16	(\$1,406,733)	\$238,974	(\$1,167,759)	(\$1,287,246)	2.14%	(\$2,296)	(\$1,170,054)	\$274,327	(\$41,468)	\$232,859	\$253,593	2.14%	\$452	\$233,311	(\$63,541)	\$8,942	(\$54,600)	(\$59,070)	2.14%	(\$105)	(\$54,705)
Oct-16	(\$1,170,054)	\$166,666	(\$1,003,389)	(\$1,086,722)	2.14%	(\$1,938)	(\$1,005,327)	\$233,311	(\$33,736)	\$199,575	\$216,443	2.14%	\$386	\$199,961	(\$54,705)	\$7,352	(\$47,353)	(\$51,029)	2.14%	(\$91)	(\$47,444)
Nov-16	(\$1,005,327)	\$152,560	(\$852,767)	(\$929,047)	2.14%	(\$1,657)	(\$854,423)	\$199,961	(\$30,546)	\$169,415	\$184,688	2.14%	\$329	\$169,744	(\$47,444)	\$6,681	(\$40,764)	(\$44,104)	2.14%	(\$79)	(\$40,842)
Dec-16	(\$854,423)	\$176,150	(\$678,274)	(\$766,349)	2.14%	(\$1,367)	(\$679,640)	\$169,744	(\$32,998)	\$136,746	\$153,245	2.14%	\$273	\$137,019	(\$40,842)	\$6,956	(\$33,886)	(\$37,364)	2.14%	(\$67)	(\$33,953)
Jan-17	(\$679,640)	\$201,935	(\$477,706)	(\$578,673)	2.14%	(\$1,032)	(\$478,738)	\$137,019	(\$38,069)	\$98,950	\$117,985	2.14%	\$210	\$99,161	(\$33,953)	\$7,540	(\$26,413)	(\$30,183)	2.14%	(\$54)	(\$26,467)
Feb-17	(\$478,738)	\$0	(\$478,738)	(\$478,738)	2.14%	(\$854)	(\$479,592)	\$99,161	\$0	\$99,161	\$99,161	2.14%	\$177	\$99,338	(\$26,467)	\$0	(\$26,467)	(\$26,467)	2.14%	(\$47)	(\$26,514)
Mar-17	(\$479,592)	\$0	(\$479,592)	(\$479,592)	1.84%	(\$735)	(\$480,327)	\$99,338	\$0	\$99,338	\$99,338	1.84%	\$152	\$99,490	(\$26,514)	\$0	(\$26,514)	(\$26,514)	1.84%	(\$41)	(\$26,555)
(2) Apr-17	(\$480,327)	\$0	(\$480,327)	(\$480,327)	1.84%	(\$737)	(\$481,064)	\$99,490	\$0	\$99,490	\$99,490	1.84%	\$153	\$99,643	(\$26,555)	\$0	(\$26,555)	(\$26,555)	1.84%	(\$41)	(\$26,595)
\$1,816,451								(\$340,013)							\$71,522						

Rate B-32/G-32								Rate B-62/G-62/X-01							Rate SL						
	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-16	(\$2,312,803)		(\$2,312,803)	(\$2,312,803)	2.54%	(\$4,895)	(\$2,317,699)	(\$1,221,021)		(\$1,221,021)	(\$1,221,021)	2.54%	(\$2,584)	(\$1,223,605)	(\$498,136)		(\$498,136)	(\$498,136)	2.54%	(\$1,054)	(\$499,190)
Feb-16	(\$2,317,699)		(\$2,317,699)	(\$2,317,699)	2.54%	(\$4,906)	(\$2,322,604)	(\$1,223,605)		(\$1,223,605)	(\$1,223,605)	2.54%	(\$2,590)	(\$1,226,195)	(\$499,190)		(\$499,190)	(\$499,190)	2.54%	(\$1,057)	(\$500,247)
Mar-16	(\$2,322,604)		(\$2,322,604)	(\$2,322,604)	2.14%	(\$4,142)	(\$2,326,746)	(\$1,226,195)		(\$1,226,195)	(\$1,226,195)	2.14%	(\$2,187)	(\$1,228,382)	(\$500,247)		(\$500,247)	(\$500,247)	2.14%	(\$892)	(\$501,139)
(1) Apr-16	(\$2,326,746)	\$81,251	(\$2,245,496)	(\$2,286,121)	2.14%	(\$4,077)	(\$2,249,572)	(\$1,228,382)	\$47,203	(\$1,181,178)	(\$1,204,780)	2.14%	(\$2,149)	(\$1,183,327)	(\$501,139)	(\$255,319)	(\$756,458)	(\$628,799)	2.14%	(\$1,121)	(\$757,579)
May-16	(\$2,249,572)	\$169,715	(\$2,079,858)	(\$2,164,715)	2.14%	(\$3,860)	(\$2,083,718)	(\$1,183,327)	\$79,827	(\$1,103,500)	(\$1,143,413)	2.14%	(\$2,039)	(\$1,105,539)	(\$757,579)	\$22,696	(\$734,884)	(\$746,232)	2.14%	(\$1,331)	(\$736,214)
Jun-16	(\$2,083,718)	\$196,986	(\$1,886,732)	(\$1,985,225)	2.14%	(\$3,540)	(\$1,890,273)	(\$1,105,539)	\$88,931	(\$1,016,608)	(\$1,061,073)	2.14%	(\$1,892)	(\$1,018,500)	(\$736,214)	\$21,745	(\$714,470)	(\$725,342)	2.14%	(\$1,294)	(\$715,763)
Jul-16	(\$1,890,273)	\$199,501	(\$1,690,771)	(\$1,790,522)	2.14%	(\$3,193)	(\$1,693,964)	(\$1,018,500)	\$91,802	(\$926,698)	(\$972,599)	2.14%	(\$1,734)	(\$928,433)	(\$715,763)	\$23,216	(\$692,547)	(\$704,155)	2.14%	(\$1,256)	(\$693,803)
Aug-16	(\$1,693,964)	\$211,849	(\$1,482,115)	(\$1,588,040)	2.14%	(\$2,832)	(\$1,484,947)	(\$928,433)	\$98,495	(\$829,937)	(\$879,185)	2.14%	(\$1,568)	(\$831,505)	(\$693,803)	\$22,940	(\$670,863)	(\$682,333)	2.14%	(\$1,217)	(\$672,080)
Sep-16	(\$1,484,947)	\$215,188	(\$1,269,760)	(\$1,377,354)	2.14%	(\$2,456)	(\$1,272,216)	(\$831,505)	\$99,500	(\$732,005)	(\$781,755)	2.14%	(\$1,394)	(\$733,399)	(\$672,080)	\$27,329	(\$644,751)	(\$658,416)	2.14%	(\$1,174)	(\$645,926)
Oct-16	(\$1,272,216)	\$185,953	(\$1,086,263)	(\$1,179,240)	2.14%	(\$2,103)	(\$1,088,366)	(\$733,399)	\$92,809	(\$640,590)	(\$686,995)	2.14%	(\$1,225)	(\$641,815)	(\$645,926)	\$32,054	(\$613,871)	(\$629,898)	2.14%	(\$1,123)	(\$614,995)
Nov-16	(\$1,088,366)	\$176,304	(\$912,062)	(\$1,000,214)	2.14%	(\$1,784)	(\$913,846)	(\$641,815)	\$83,196	(\$558,619)	(\$600,217)	2.14%	(\$1,070)	(\$559,690)	(\$614,995)	\$32,998	(\$581,997)	(\$598,496)	2.14%	(\$1,067)	(\$583,064)
Dec-16	(\$913,846)	\$179,630	(\$734,215)	(\$824,031)	2.14%	(\$1,470)	(\$735,685)	(\$559,690)	\$89,492	(\$470,197)	(\$514,943)	2.14%	(\$918)	(\$471,115)	(\$583,064)	\$35,794	(\$547,270)	(\$565,167)	2.14%	(\$1,008)	(\$548,278)
Jan-17	(\$735,685)	\$186,599	(\$549,086)	(\$642,386)	2.14%	(\$1,146)	(\$550,232)	(\$471,115)	\$89,006	(\$382,110)	(\$426,613)	2.14%	(\$761)	(\$382,871)	(\$548,278)	\$39,434	(\$508,844)	(\$528,561)	2.14%	(\$943)	(\$509,786)
Feb-17	(\$550,232)	\$0	(\$550,232)	(\$550,232)	2.14%	(\$981)	(\$551,213)	(\$382,871)	\$0	(\$382,871)	(\$382,871)	2.14%	(\$683)	(\$383,553)	(\$509,786)	\$0	(\$509,786)	(\$509,786)	2.14%	(\$909)	(\$510,695)
Mar-17	(\$551,213)	\$0	(\$551,213)	(\$551,213)	1.84%	(\$845)	(\$552,058)	(\$383,553)	\$0	(\$383,553)	(\$383,553)	1.84%	(\$588)	(\$384,141)	(\$510,695)	\$0	(\$510,695)	(\$510,695)	1.84%	(\$783)	(\$511,479)
(2) Apr-17	(\$552,058)	\$0	(\$552,058)	(\$552,058)	1.84%	(\$846)	(\$552,905)	(\$384,141)	\$0	(\$384,141)	(\$384,141)	1.84%	(\$589)	(\$384,731)	(\$511,479)	\$0	(\$511,479)	(\$511,479)	1.84%	(\$784)	(\$512,263)
\$1,802,975								\$860,262							\$2,886						

(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 ASC-11, Page 2 of 7, Docket No. 4599 (2016 Electric Retail Rate Filing), filed February 2016
- (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)

Schedule ASC – 13

Calculation of Proposed Transmission Adjustment Factors

Transmission Service Reconciliation
For the Period January 2016 through December 2016

Calculation of Transmission Adjustment Factor
For the Period April 1, 2017 through March 31, 2018

<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	\$6,793,451	\$867,714	\$2,235,697	\$2,625,890	\$1,555,089	(\$300,274)	(\$190,667)
(2) Plus: Estimated Interest During the Refund/Recovery Period	<u>\$97,886</u>	<u>\$12,503</u>	<u>\$32,214</u>	<u>\$37,836</u>	<u>\$22,407</u>	<u>(\$4,327)</u>	<u>(\$2,747)</u>
(3) Total Transmission Over(Under) Recovery (including interest)	\$6,891,337	\$880,217	\$2,267,911	\$2,663,726	\$1,577,496	(\$304,601)	(\$193,414)
(4) Forecasted kWhs During Recovery Period	7,423,513,683	3,027,852,906	596,142,607	1,295,163,245	1,988,885,728	454,899,445	60,569,751
(5) Proposed Transmission Adjustment Charge/(Credit)		(\$0.00029)	(\$0.00380)	(\$0.00205)	(\$0.00079)	\$0.00066	\$0.00319

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 2016 through December 2016

Calculation of Transmission Adjustment Factor
For the Period April 1, 2017 through March 31, 2018
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-17	\$867,714		\$867,714	2.14%	\$1,547
Feb-17	\$869,262		\$869,262	2.14%	\$1,550
Mar-17	\$870,812		\$870,812	1.84%	\$1,335
Apr-17	\$872,147	\$72,679	\$799,468	1.84%	\$1,282
May-17	\$800,750	\$72,795	\$727,954	1.84%	\$1,172
Jun-17	\$729,126	\$72,913	\$656,214	1.84%	\$1,062
Jul-17	\$657,276	\$73,031	\$584,245	1.84%	\$952
Aug-17	\$585,197	\$73,150	\$512,047	1.84%	\$841
Sep-17	\$512,889	\$73,270	\$439,619	1.84%	\$730
Oct-17	\$440,349	\$73,392	\$366,958	1.84%	\$619
Nov-17	\$367,577	\$73,515	\$294,061	1.84%	\$507
Dec-17	\$294,568	\$73,642	\$220,926	1.84%	\$395
Jan-18	\$221,322	\$73,774	\$147,548	1.84%	\$283
Feb-18	\$147,831	\$73,915	\$73,915	1.84%	\$170
Mar-18	\$74,085	\$74,085		1.84%	\$57

\$12,503

Rate C-06

Month	Beginning Balance (a)	(Charge)/ Recovery (b)	Ending Balance (c)	Interest Rate (d)	Interest (e)
Jan-17	\$2,235,697		\$2,235,697	2.14%	\$3,987
Feb-17	\$2,239,684		\$2,239,684	2.14%	\$3,994
Mar-17	\$2,243,679		\$2,243,679	1.84%	\$3,440
Apr-17	\$2,247,119	\$187,260	\$2,059,859	1.84%	\$3,302
May-17	\$2,063,161	\$187,560	\$1,875,601	1.84%	\$3,020
Jun-17	\$1,878,621	\$187,862	\$1,690,759	1.84%	\$2,737
Jul-17	\$1,693,495	\$188,166	\$1,505,329	1.84%	\$2,452
Aug-17	\$1,507,781	\$188,473	\$1,319,309	1.84%	\$2,167
Sep-17	\$1,321,476	\$188,782	\$1,132,694	1.84%	\$1,882
Oct-17	\$1,134,575	\$189,096	\$945,479	1.84%	\$1,595
Nov-17	\$947,074	\$189,415	\$757,659	1.84%	\$1,307
Dec-17	\$758,966	\$189,742	\$569,225	1.84%	\$1,018
Jan-18	\$570,243	\$190,081	\$380,162	1.84%	\$729
Feb-18	\$380,891	\$190,445	\$190,445	1.84%	\$438
Mar-18	\$190,883	\$190,883	\$0	1.84%	\$146

\$32,214

Rate G-02

Month	Beginning Balance (a)	(Charge)/ Recovery (b)	Ending Balance (c)	Interest Rate (d)	Interest (e)
Jan-17	\$2,625,890		\$2,625,890	2.14%	\$4,683
Feb-17	\$2,630,573		\$2,630,573	2.14%	\$4,691
Mar-17	\$2,635,264		\$2,635,264	1.84%	\$4,041
Apr-17	\$2,639,305	\$219,942	\$2,419,363	1.84%	\$3,878
May-17	\$2,423,241	\$220,295	\$2,202,947	1.84%	\$3,547
Jun-17	\$2,206,493	\$220,649	\$1,985,844	1.84%	\$3,214
Jul-17	\$1,989,058	\$221,006	\$1,768,052	1.84%	\$2,880
Aug-17	\$1,770,932	\$221,367	\$1,549,566	1.84%	\$2,546
Sep-17	\$1,552,111	\$221,730	\$1,330,381	1.84%	\$2,210
Oct-17	\$1,332,591	\$222,098	\$1,110,492	1.84%	\$1,873
Nov-17	\$1,112,366	\$222,473	\$889,892	1.84%	\$1,535
Dec-17	\$891,427	\$222,857	\$668,571	1.84%	\$1,196
Jan-18	\$669,767	\$223,256	\$446,511	1.84%	\$856
Feb-18	\$447,367	\$223,683	\$223,683	1.84%	\$514
Mar-18	\$224,198	\$224,198	\$0	1.84%	\$172

\$37,836

Rate B-32/G-32

Month	Beginning Balance (a)	(Charge)/ Recovery (b)	Ending Balance (c)	Interest Rate (d)	Interest (e)
Jan-17	\$1,555,089		\$1,555,089	2.14%	\$2,773
Feb-17	\$1,557,862		\$1,557,862	2.14%	\$2,778
Mar-17	\$1,560,641		\$1,560,641	1.84%	\$2,393
Apr-17	\$1,563,034	\$130,253	\$1,432,781	1.84%	\$2,297
May-17	\$1,435,078	\$130,462	\$1,304,616	1.84%	\$2,100
Jun-17	\$1,306,716	\$130,672	\$1,176,045	1.84%	\$1,903
Jul-17	\$1,177,948	\$130,883	\$1,047,065	1.84%	\$1,706
Aug-17	\$1,048,771	\$131,096	\$917,675	1.84%	\$1,508
Sep-17	\$919,182	\$131,312	\$787,870	1.84%	\$1,309
Oct-17	\$789,179	\$131,530	\$657,649	1.84%	\$1,109
Nov-17	\$658,759	\$131,752	\$527,007	1.84%	\$909
Dec-17	\$527,916	\$131,979	\$395,937	1.84%	\$708
Jan-18	\$396,645	\$132,215	\$264,430	1.84%	\$507
Feb-18	\$264,937	\$132,468	\$132,468	1.84%	\$305
Mar-18	\$132,773	\$132,773	\$0	1.84%	\$102

\$22,407

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

Month	Beginning Balance (a)	(Charge)/ Recovery (b)	Ending Balance (c)	Interest Rate (d)	Interest (e)
Jan-17	(\$300,274)		(\$300,274)	2.14%	(\$535)
Feb-17	(\$300,809)		(\$300,809)	2.14%	(\$536)
Mar-17	(\$301,346)		(\$301,346)	1.84%	(\$462)
Apr-17	(\$301,808)	(\$25,151)	(\$276,657)	1.84%	(\$443)
May-17	(\$277,101)	(\$25,191)	(\$251,910)	1.84%	(\$406)
Jun-17	(\$252,315)	(\$25,232)	(\$227,084)	1.84%	(\$368)
Jul-17	(\$227,451)	(\$25,272)	(\$202,179)	1.84%	(\$329)
Aug-17	(\$202,508)	(\$25,314)	(\$177,195)	1.84%	(\$291)
Sep-17	(\$177,486)	(\$25,355)	(\$152,131)	1.84%	(\$253)
Oct-17	(\$152,384)	(\$25,397)	(\$126,986)	1.84%	(\$214)
Nov-17	(\$127,200)	(\$25,440)	(\$101,760)	1.84%	(\$176)
Dec-17	(\$101,936)	(\$25,484)	(\$76,452)	1.84%	(\$137)
Jan-18	(\$76,589)	(\$25,530)	(\$51,059)	1.84%	(\$98)
Feb-18	(\$51,157)	(\$25,578)	(\$25,578)	1.84%	(\$59)
Mar-18	(\$25,637)	(\$25,637)	\$0	1.84%	(\$20)

(\$4,327)

Rate SL

Month	Beginning Balance (a)	(Charge)/ Recovery (b)	Ending Balance (c)	Interest Rate (d)	Interest (e)
Jan-17	(\$190,667)		(\$190,667)	2.14%	(\$340)
Feb-17	(\$191,007)		(\$191,007)	2.14%	(\$341)
Mar-17	(\$191,347)		(\$191,347)	1.84%	(\$293)
Apr-17	(\$191,641)	(\$15,970)	(\$175,671)	1.84%	(\$282)
May-17	(\$175,952)	(\$15,996)	(\$159,957)	1.84%	(\$258)
Jun-17	(\$160,214)	(\$16,021)	(\$144,193)	1.84%	(\$233)
Jul-17	(\$144,426)	(\$16,047)	(\$128,379)	1.84%	(\$209)
Aug-17	(\$128,588)	(\$16,073)	(\$112,514)	1.84%	(\$185)
Sep-17	(\$112,699)	(\$16,100)	(\$96,599)	1.84%	(\$160)
Oct-17	(\$96,760)	(\$16,127)	(\$80,633)	1.84%	(\$136)
Nov-17	(\$80,769)	(\$16,154)	(\$64,615)	1.84%	(\$111)
Dec-17	(\$64,727)	(\$16,182)	(\$48,545)	1.84%	(\$87)
Jan-18	(\$48,632)	(\$16,211)	(\$32,421)	1.84%	(\$62)
Feb-18	(\$32,483)	(\$16,242)	(\$16,242)	1.84%	(\$37)
Mar-18	(\$16,279)	(\$16,279)	\$0	1.84%	(\$12)

(\$2,747)

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)

Schedule ASC – 14

Calculation of Proposed Transmission Uncollectible Factors

**Transmission Service Uncollectible Reconciliation
For the Period January 2016 through December 2016**

Calculation of Transmission Uncollectible Factor
For the Period April 1, 2017 through March 31, 2018

Line	<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) Estimated Base Transmission Revenue	\$212,722,033	\$95,975,112	\$18,976,592	\$36,301,176	\$49,857,577	\$10,734,534	\$877,043
(2) Transmission Service (Over)/Under Collection	(\$6,891,337)	(\$880,217)	(\$2,267,911)	(\$2,663,726)	(\$1,577,496)	\$304,601	\$193,414
(3) Transmission Uncollectible (Over)/Under Collection Balance	(\$26,176)	(\$4,751)	(\$3,181)	(\$15,902)	(\$13,555)	\$9,252	\$1,961
(4) Total	\$205,804,520	\$95,090,144	\$16,705,500	\$33,621,548	\$48,266,526	\$11,048,386	\$1,072,418
(5) Approved Uncollectible Rate	1.25%						
(6) Estimated Transmission-related Uncollectible Expense	\$2,572,557	\$1,188,627	\$208,819	\$420,269	\$603,332	\$138,105	\$13,405
(7) Forecasted kWh	7,423,513,683	3,027,852,906	596,142,607	1,295,163,245	1,988,885,728	454,899,445	60,569,751
(8) 2017 Transmission Uncollectible Factor per kWh		\$0.00039	\$0.00035	\$0.00032	\$0.00030	\$0.00030	\$0.00022
(9) 2016 Transmission Uncollectible Reconciliation Factor		\$0.00000	\$0.00000	(\$0.00001)	\$0.00000	\$0.00002	\$0.00003
(10) Transmission Uncollectible Factor effective April 1, 2016 through March 31, 2017		\$0.00039	\$0.00035	\$0.00031	\$0.00030	\$0.00032	\$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) |

Schedule ASC – 15

Transmission Uncollectible

Factor Reconciliation

For the Period of January 2016 through December 2016

**Transmission Service Uncollectible Reconciliation
For the Period January 2016 through December 2016**

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	\$2,161,687	\$979,655	\$174,319	\$350,476	\$523,706	\$121,108	\$12,425
<u>Calculation of Transmission Uncollectible Expense</u>							
(2) Actual Base Transmission Revenue During Reconciliation Period	\$169,966,329	\$77,330,058	\$14,832,040	\$29,017,696	\$39,352,717	\$8,856,112	\$577,705
(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	\$2,288,807	\$1,041,110	\$181,188	\$380,767	\$546,985	\$125,725	\$13,033
(5) Total Actual Transmission Related Revenue	<u>\$173,304,061</u>	<u>\$79,372,769</u>	<u>\$13,628,784</u>	<u>\$28,312,887</u>	<u>\$40,694,171</u>	<u>\$10,132,957</u>	<u>\$1,162,493</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	\$2,166,301	\$992,160	\$170,360	\$353,911	\$508,677	\$126,662	\$14,531
<u>Calculation of Over/(Under) Recovery</u>							
(8) Over/(Under) Recovery - Current Reconciliation Period	(\$4,613)	(\$12,505)	\$3,959	(\$3,435)	\$15,029	(\$5,554)	(\$2,107)
(9) Ending Balance - Prior Reconciliation Period	<u>\$30,105</u>	<u>\$17,137</u>	<u>(\$863)</u>	<u>\$18,917</u>	<u>(\$1,832)</u>	<u>(\$3,453)</u>	<u>\$197</u>
(10) Total Over/(Under) Recovery	\$25,491	\$4,632	\$3,097	\$15,482	\$13,197	(\$9,007)	(\$1,909)
(11) Interest	\$313	\$51	\$39	\$194	\$166	(\$113)	(\$24)
(12) Transmission Uncollectible Factor Over/(Under) Recovery Incl. Interest	\$25,804	\$4,683	\$3,135	\$15,676	\$13,363	(\$9,120)	(\$1,933)
(13) Estimated Interest Applied During the Recovery Period	\$372	\$67	\$45	\$226	\$193	(\$131)	(\$28)
(14) Transmission Uncollectible Factor Over/(Under) Recovery Incl. Interest During Recovery	\$26,176	\$4,751	\$3,181	\$15,902	\$13,555	(\$9,252)	(\$1,961)
<u>Calculation of Reconciliation Factor</u>							
(15) Transmission Uncollectible Factor Over/(Under) Recovery Incl. Interest	\$26,176	\$4,751	\$3,181	\$15,902	\$13,555	(\$9,252)	(\$1,961)
(16) Forecasted kWh Deliveries	7,423,513,683	3,027,852,906	596,142,607	1,295,163,245	1,988,885,728	454,899,445	60,569,751
(17) Transmission Uncollectible Reconciliation Factor	\$0.00000	\$0.00000	\$0.00000	(\$0.00001)	\$0.00000	\$0.00002	\$0.00003

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 2016 through December 2016

Uncollectible Revenue

Rate A-16/A-60						Rate C-06						Rate G-02					
				Revenue Associated w/ Rec/(Ref) of Prior Period	Base					Revenue Associated w/ Rec/(Ref) of Prior Period	Base				Revenue Associated w/ Rec/(Ref) of Prior Period	Base	
Month	kWh Deliveries	Uncollectible Rate	Total Uncollectible Revenue	Over/(Under)	Revenue	Month	kWh Deliveries	Uncollectible Rate	Total Uncollectible Revenue	Over/(Under)	Revenue	Month	kWh Deliveries	Uncollectible Rate	Total Uncollectible Revenue	Over/(Under)	Revenue
	(a)	(b)	(c)	(d)	(e)		(a)	(b)	(c)	(d)	(e)		(a)	(b)	(c)	(d)	(e)
(1)	Jan-16	117,331,395	\$0.00030	\$35,199	\$35,199		21,314,931	\$0.00027	\$5,755		\$5,755		46,925,034	\$0.00026	\$12,201		\$12,201
	Feb-16	252,555,825	\$0.00030	\$75,767	\$5,051	\$70,716	48,875,183	\$0.00027	\$13,196	\$978	\$12,219		101,290,898	\$0.00026	\$26,336	\$4,052	\$22,284
	Mar-16	244,902,745	\$0.00030	\$73,471	\$4,898	\$68,573	49,509,526	\$0.00027	\$13,368	\$990	\$12,377		106,196,954	\$0.00026	\$27,611	\$4,248	\$23,363
(2)	Apr-16	219,629,340	\$0.00035	\$71,873	\$4,393	\$67,481	45,986,650	\$0.00032	\$13,669	\$460	\$13,210		100,585,507	\$0.00030	\$28,345	\$2,012	\$26,333
	May-16	186,428,234	\$0.00035	\$65,250	\$3,729	\$61,521	40,465,218	\$0.00032	\$12,949	\$405	\$12,544		94,289,765	\$0.00030	\$28,287	\$1,886	\$26,401
	Jun-16	240,069,008	\$0.00035	\$84,024	\$4,801	\$79,223	47,884,377	\$0.00032	\$15,323	\$479	\$14,844		110,628,915	\$0.00030	\$33,189	\$2,213	\$30,976
	Jul-16	297,725,048	\$0.00035	\$104,204	\$5,955	\$98,249	54,098,724	\$0.00032	\$17,312	\$541	\$16,771		123,202,038	\$0.00030	\$36,961	\$2,464	\$34,497
	Aug-16	365,665,049	\$0.00035	\$127,983	\$7,313	\$120,669	59,238,222	\$0.00032	\$18,956	\$592	\$18,364		131,215,680	\$0.00030	\$39,365	\$2,624	\$36,740
	Sep-16	323,097,962	\$0.00035	\$113,084	\$6,462	\$106,622	56,913,733	\$0.00032	\$18,212	\$569	\$17,643		129,024,596	\$0.00030	\$38,707	\$2,580	\$36,127
	Oct-16	224,961,392	\$0.00035	\$78,736	\$4,499	\$74,237	46,295,204	\$0.00032	\$14,814	\$463	\$14,352		106,526,481	\$0.00030	\$31,958	\$2,131	\$29,827
	Nov-16	206,273,900	\$0.00035	\$72,196	\$4,125	\$68,070	41,891,243	\$0.00032	\$13,405	\$419	\$12,986		96,943,100	\$0.00030	\$29,083	\$1,939	\$27,144
	Dec-16	238,467,830	\$0.00035	\$83,464	\$4,769	\$78,694	45,270,239	\$0.00032	\$14,486	\$453	\$14,034		99,457,256	\$0.00030	\$29,837	\$1,989	\$27,848
(3)	Jan-17	159,596,831	\$0.00035	\$55,859	\$5,460	\$50,399	30,440,900	\$0.00032	\$9,741	\$521	\$9,220		62,959,966	\$0.00030	\$18,888	\$2,154	\$16,734
				\$1,041,110		\$979,655			\$181,188		\$174,319				\$380,767		\$350,476

Rate B-32/G-32						Rate B-62/G-62/X-01						Rate SL					
				Revenue Associated w/ Rec/(Ref) of Prior Period	Base					Revenue Associated w/ Rec/(Ref) of Prior Period	Base				Revenue Associated w/ Rec/(Ref) of Prior Period	Base	
Month	kWh Deliveries	Uncollectible Rate	Total Uncollectible Revenue	Over/(Under)	Revenue	Month	kWh Deliveries	Uncollectible Rate	Total Uncollectible Revenue	Over/(Under)	Revenue	Month	kWh Deliveries	Uncollectible Rate	Total Uncollectible Revenue	Over/(Under)	Revenue
	(a)	(b)	(c)	(d)	(e)		(a)	(b)	(c)	(d)	(e)		(a)	(b)	(c)	(d)	(e)
(1)	Jan-16	70,238,740	\$0.00025	\$17,560	\$17,560		14,679,518	\$0.00025	\$3,670		\$3,670		3,218,440	\$0.00027	\$869		\$869
	Feb-16	162,108,994	\$0.00025	\$40,527	\$3,242	\$37,285	39,896,126	\$0.00025	\$9,974	\$399	\$9,575		5,711,285	\$0.00027	\$1,542	\$114	\$1,428
	Mar-16	164,119,909	\$0.00025	\$41,030	\$3,282	\$37,748	37,321,332	\$0.00025	\$9,330	\$373	\$8,957		5,412,154	\$0.00027	\$1,461	\$108	\$1,353
(2)	Apr-16	161,350,144	\$0.00028	\$42,975	\$1,614	\$41,362	39,663,992	\$0.00028	\$10,564	\$397	\$10,168		5,155,736	\$0.00025	\$1,336	\$52	\$1,284
	May-16	149,716,571	\$0.00028	\$41,921	\$1,497	\$40,423	33,781,399	\$0.00028	\$9,459	\$338	\$9,121		2,953,889	\$0.00025	\$738	\$30	\$709
	Jun-16	173,272,582	\$0.00028	\$48,516	\$1,733	\$46,784	37,557,039	\$0.00028	\$10,516	\$376	\$10,140		2,821,171	\$0.00025	\$705	\$28	\$677
	Jul-16	175,491,491	\$0.00028	\$49,138	\$1,755	\$47,383	39,011,375	\$0.00028	\$10,923	\$390	\$10,533		2,997,333	\$0.00025	\$749	\$30	\$719
	Aug-16	186,325,657	\$0.00028	\$52,171	\$1,863	\$50,308	41,849,203	\$0.00028	\$11,718	\$418	\$11,299		2,965,303	\$0.00025	\$741	\$30	\$712
	Sep-16	189,264,626	\$0.00028	\$52,994	\$1,893	\$51,101	42,279,353	\$0.00028	\$11,838	\$423	\$11,415		3,535,294	\$0.00025	\$884	\$35	\$848
	Oct-16	163,596,887	\$0.00028	\$45,807	\$1,636	\$44,171	39,437,525	\$0.00028	\$11,043	\$394	\$10,648		4,144,315	\$0.00025	\$1,036	\$41	\$995
	Nov-16	155,116,497	\$0.00028	\$43,433	\$1,551	\$41,881	35,353,968	\$0.00028	\$9,899	\$354	\$9,546		4,268,515	\$0.00025	\$1,067	\$43	\$1,024
	Dec-16	157,570,354	\$0.00028	\$44,120	\$1,576	\$42,544	37,920,545	\$0.00028	\$10,618	\$379	\$10,239		4,630,537	\$0.00025	\$1,158	\$46	\$1,111
(3)	Jan-17	95,689,086	\$0.00028	\$26,793	\$1,637	\$25,156	22,047,758	\$0.00028	\$6,173	\$377	\$5,796		2,982,126	\$0.00025	\$746	\$51	\$695
				\$546,985		\$523,706			\$125,725		\$121,108				\$13,033		\$12,425

- (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. 2016-Mar. 2016, per Schedule JAL-13, Page 1, Line (10), Docket 4554. For months Mar. 2016-Jan. 2017, per Schedule ASC-14, Page 1, Line (10), Docket 4599
(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 2016 through December 2016**

**Calculation of Interest During the Recovery/Refund Period
For the Period April 1, 2017 through March 31, 2018**

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-17	\$4,683		\$4,683	2.14%	\$8	\$3,135		\$3,135	2.14%	\$6	\$15,676		\$15,676	2.14%	\$28	
Feb-17	\$4,692		\$4,692	2.14%	\$8	\$3,141		\$3,141	2.14%	\$6	\$15,704		\$15,704	2.14%	\$28	
Mar-17	\$4,700		\$4,700	1.84%	\$7	\$3,147		\$3,147	1.84%	\$5	\$15,732		\$15,732	1.84%	\$24	
Apr-17	\$4,707	\$392	\$4,315	1.84%	\$7	\$3,151	\$263	\$2,889	1.84%	\$5	\$15,756	\$1,313	\$14,443	1.84%	\$23	
May-17	\$4,322	\$393	\$3,929	1.84%	\$6	\$2,893	\$263	\$2,630	1.84%	\$4	\$14,466	\$1,315	\$13,151	1.84%	\$21	
Jun-17	\$3,935	\$394	\$3,542	1.84%	\$6	\$2,635	\$263	\$2,371	1.84%	\$4	\$13,172	\$1,317	\$11,855	1.84%	\$19	
Jul-17	\$3,547	\$394	\$3,153	1.84%	\$5	\$2,375	\$264	\$2,111	1.84%	\$3	\$11,874	\$1,319	\$10,555	1.84%	\$17	
Aug-17	\$3,158	\$395	\$2,764	1.84%	\$5	\$2,115	\$264	\$1,850	1.84%	\$3	\$10,572	\$1,322	\$9,251	1.84%	\$15	
Sep-17	\$2,768	\$395	\$2,373	1.84%	\$4	\$1,853	\$265	\$1,588	1.84%	\$3	\$9,266	\$1,324	\$7,942	1.84%	\$13	
Oct-17	\$2,377	\$396	\$1,981	1.84%	\$3	\$1,591	\$265	\$1,326	1.84%	\$2	\$7,955	\$1,326	\$6,629	1.84%	\$11	
Nov-17	\$1,984	\$397	\$1,587	1.84%	\$3	\$1,328	\$266	\$1,063	1.84%	\$2	\$6,641	\$1,328	\$5,312	1.84%	\$9	
Dec-17	\$1,590	\$397	\$1,192	1.84%	\$2	\$1,064	\$266	\$798	1.84%	\$1	\$5,322	\$1,330	\$3,991	1.84%	\$7	
Jan-18	\$1,195	\$398	\$796	1.84%	\$2	\$800	\$267	\$533	1.84%	\$1	\$3,998	\$1,333	\$2,666	1.84%	\$5	
Feb-18	\$798	\$399	\$399	1.84%	\$1	\$534	\$267	\$267	1.84%	\$1	\$2,671	\$1,335	\$1,335	1.84%	\$3	
Mar-18	\$400	\$400		1.84%	\$0	\$268	\$268	\$0	1.84%	\$0	\$1,338	\$1,338	\$0	1.84%	\$1	
					\$67						\$45					
																\$22

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-17	\$13,363		\$13,363	2.14%	\$24	(\$9,120)		(\$9,120)	2.14%	(\$16)	(\$1,933)		(\$1,933)	2.14%	(\$3)		
Feb-17	\$13,387		\$13,387	2.14%	\$24	(\$9,137)		(\$9,137)	2.14%	(\$16)	(\$1,937)		(\$1,937)	2.14%	(\$3)		
Mar-17	\$13,411		\$13,411	1.84%	\$21	(\$9,153)		(\$9,153)	1.84%	(\$14)	(\$1,940)		(\$1,940)	1.84%	(\$3)		
Apr-17	\$13,431	\$1,119	\$12,312	1.84%	\$20	(\$9,167)	(\$764)	(\$8,403)	1.84%	(\$13)	(\$1,943)	(\$162)	(\$1,781)	1.84%	(\$3)		
May-17	\$12,332	\$1,121	\$11,211	1.84%	\$18	(\$8,416)	(\$765)	(\$7,651)	1.84%	(\$12)	(\$1,784)	(\$162)	(\$1,622)	1.84%	(\$3)		
Jun-17	\$11,229	\$1,123	\$10,106	1.84%	\$16	(\$7,664)	(\$766)	(\$6,897)	1.84%	(\$11)	(\$1,625)	(\$162)	(\$1,462)	1.84%	(\$2)		
Jul-17	\$10,122	\$1,125	\$8,997	1.84%	\$15	(\$6,908)	(\$768)	(\$6,141)	1.84%	(\$10)	(\$1,464)	(\$163)	(\$1,302)	1.84%	(\$2)		
Aug-17	\$9,012	\$1,127	\$7,886	1.84%	\$13	(\$6,151)	(\$769)	(\$5,382)	1.84%	(\$9)	(\$1,304)	(\$163)	(\$1,141)	1.84%	(\$2)		
Sep-17	\$7,898	\$1,128	\$6,770	1.84%	\$11	(\$5,391)	(\$770)	(\$4,621)	1.84%	(\$8)	(\$1,143)	(\$163)	(\$979)	1.84%	(\$2)		
Oct-17	\$6,781	\$1,130	\$5,651	1.84%	\$10	(\$4,628)	(\$771)	(\$3,857)	1.84%	(\$7)	(\$981)	(\$164)	(\$818)	1.84%	(\$1)		
Nov-17	\$5,661	\$1,132	\$4,529	1.84%	\$8	(\$3,863)	(\$773)	(\$3,091)	1.84%	(\$5)	(\$819)	(\$164)	(\$655)	1.84%	(\$1)		
Dec-17	\$4,536	\$1,134	\$3,402	1.84%	\$6	(\$3,096)	(\$774)	(\$2,322)	1.84%	(\$4)	(\$656)	(\$164)	(\$492)	1.84%	(\$1)		
Jan-18	\$3,408	\$1,136	\$2,272	1.84%	\$4	(\$2,326)	(\$775)	(\$1,551)	1.84%	(\$3)	(\$493)	(\$164)	(\$329)	1.84%	(\$1)		
Feb-18	\$2,277	\$1,138	\$1,138	1.84%	\$3	(\$1,554)	(\$777)	(\$777)	1.84%	(\$2)	(\$329)	(\$165)	(\$165)	1.84%	(\$0)		
Mar-18	\$1,141	\$1,141	\$0	1.84%	\$1	(\$779)	(\$779)	\$0	1.84%	(\$1)	(\$165)	(\$165)	\$0	1.84%	(\$0)		
					\$193						(\$131)						(\$28)

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 2016 through December 2016**

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)			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-15	(\$42,996)		(\$42,996)	(\$42,996)	2.35%	(\$84)	(\$43,080)	(\$12,272)		(\$12,272)	(\$12,272)	2.35%	(\$24)	(\$12,296)	(\$32,985)		(\$32,985)	(\$32,985)	2.35%	(\$65)	(\$33,050)
Feb-15	(\$43,080)		(\$43,080)	(\$43,080)	2.35%	(\$84)	(\$43,165)	(\$12,296)		(\$12,296)	(\$12,296)	2.35%	(\$24)	(\$12,320)	(\$33,050)		(\$33,050)	(\$33,050)	2.35%	(\$65)	(\$33,114)
Mar-15	(\$43,165)		(\$43,165)	(\$43,165)	2.54%	(\$91)	(\$43,256)	(\$12,320)		(\$12,320)	(\$12,320)	2.54%	(\$26)	(\$12,346)	(\$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)	(\$12,346)	\$450	(\$11,896)	(\$12,121)	2.54%	(\$26)	(\$11,922)	(\$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)	(\$11,922)	\$843	(\$11,079)	(\$11,500)	2.54%	(\$24)	(\$11,103)	(\$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)	(\$11,103)	\$920	(\$10,183)	(\$10,643)	2.54%	(\$23)	(\$10,206)	(\$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)	(\$10,206)	\$1,017	(\$9,188)	(\$9,697)	2.54%	(\$21)	(\$9,209)	(\$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)	(\$9,209)	\$1,158	(\$8,051)	(\$8,630)	2.54%	(\$18)	(\$8,069)	(\$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)	(\$8,069)	\$1,144	(\$6,925)	(\$7,497)	2.54%	(\$16)	(\$6,941)	(\$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)	(\$6,941)	\$912	(\$6,029)	(\$6,485)	2.54%	(\$14)	(\$6,042)	(\$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)	(\$6,042)	\$810	(\$5,232)	(\$5,637)	2.54%	(\$12)	(\$5,244)	(\$4,054)	\$3,773	(\$282)	(\$2,168)	2.54%	(\$5)	(\$286)
Dec-15	(\$5,758)	\$5,109	(\$650)	(\$3,204)	2.54%	(\$7)	(\$656)	(\$5,244)	\$964	(\$4,280)	(\$4,762)	2.54%	(\$10)	(\$4,290)	(\$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	(\$4,290)	\$978	(\$3,312)	(\$3,801)	2.54%	(\$8)	(\$3,320)	\$4,028	\$4,304	\$8,332	\$6,180	2.54%	\$13	\$8,345
Feb-16	\$4,729	\$5,051	\$9,780	\$7,254	2.54%	\$15	\$9,795	(\$3,320)	\$978	(\$2,343)	(\$2,831)	2.54%	(\$6)	(\$2,349)	\$8,345	\$4,052	\$12,397	\$10,371	2.54%	\$22	\$12,419
Mar-16	\$9,795	\$4,898	\$14,693	\$12,244	2.14%	\$22	\$14,715	(\$2,349)	\$990	(\$1,358)	(\$1,854)	2.14%	(\$3)	(\$1,362)	\$12,419	\$4,248	\$16,667	\$14,543	2.14%	\$26	\$16,693
(2) Apr-16	\$14,715	\$2,394	\$17,109	\$15,912	2.14%	\$28	\$17,137	(\$1,362)	\$501	(\$861)	(\$1,111)	2.14%	(\$2)	(\$863)	\$16,693	\$2,193	\$18,886	\$17,789	2.14%	\$32	\$18,917
		\$60,770							\$11,666							\$52,308					

Rate B-32/G-32								Rate B-62/G-62/X-01								Rate SL							
Over/(Under)							Ending	Over/(Under)							Ending	Over/(Under)							Ending
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	(\$41,288)		(\$41,288)	(\$41,288)	2.35%	(\$81)	(\$41,369)	(\$7,875)		(\$7,875)	(\$7,875)	2.35%	(\$15)	(\$7,890)	(\$1,055)		(\$1,055)	(\$1,055)	2.35%	(\$2)	(\$1,057)		
Feb-15	(\$41,369)		(\$41,369)	(\$41,369)	2.35%	(\$81)	(\$41,450)	(\$7,890)		(\$7,890)	(\$7,890)	2.35%	(\$15)	(\$7,906)	(\$1,057)		(\$1,057)	(\$1,057)	2.35%	(\$2)	(\$1,059)		
Mar-15	(\$41,450)		(\$41,450)	(\$41,450)	2.54%	(\$88)	(\$41,538)	(\$7,906)		(\$7,906)	(\$7,906)	2.54%	(\$17)	(\$7,923)	(\$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)	(\$7,923)	\$176	(\$7,747)	(\$7,835)	2.54%	(\$17)	(\$7,763)	(\$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)	(\$7,763)	\$355	(\$7,408)	(\$7,586)	2.54%	(\$16)	(\$7,424)	(\$1,018)	\$91	(\$927)	(\$973)	2.54%	(\$2)	(\$930)		
Jun-15	(\$37,011)	\$3,470	(\$33,541)	(\$35,276)	2.54%	(\$75)	(\$33,616)	(\$7,424)	\$373	(\$7,052)	(\$7,238)	2.54%	(\$15)	(\$7,067)	(\$930)	\$75	(\$854)	(\$892)	2.54%	(\$2)	(\$856)		
Jul-15	(\$33,616)	\$3,501	(\$30,116)	(\$31,866)	2.54%	(\$67)	(\$30,183)	(\$7,067)	\$346	(\$6,721)	(\$6,894)	2.54%	(\$15)	(\$6,736)	(\$856)	\$78	(\$778)	(\$817)	2.54%	(\$2)	(\$780)		
Aug-15	(\$30,183)	\$3,714	(\$26,469)	(\$28,326)	2.54%	(\$60)	(\$26,529)	(\$6,736)	\$477	(\$6,259)	(\$6,497)	2.54%	(\$14)	(\$6,272)	(\$780)	\$89	(\$690)	(\$735)	2.54%	(\$2)	(\$692)		
Sep-15	(\$26,529)	\$3,812	(\$22,717)	(\$24,623)	2.54%	(\$52)	(\$22,769)	(\$6,272)	\$437	(\$5,835)	(\$6,054)	2.54%	(\$13)	(\$5,848)	(\$692)	\$100	(\$592)	(\$642)	2.54%	(\$1)	(\$593)		
Oct-15	(\$22,769)	\$3,149	(\$19,620)	(\$21,194)	2.54%	(\$45)	(\$19,664)	(\$5,848)	\$398	(\$5,450)	(\$5,649)	2.54%	(\$12)	(\$5,462)	(\$593)	\$109	(\$485)	(\$539)	2.54%	(\$1)	(\$486)		
Nov-15	(\$19,664)	\$3,108	(\$16,557)	(\$18,111)	2.54%	(\$38)	(\$16,595)	(\$5,462)	\$353	(\$5,109)	(\$5,285)	2.54%	(\$11)	(\$5,120)	(\$486)	\$120	(\$366)	(\$426)	2.54%	(\$1)	(\$367)		
Dec-15	(\$16,595)	\$3,347	(\$13,248)	(\$14,921)	2.54%	(\$32)	(\$13,279)	(\$5,120)	\$385	(\$4,736)	(\$4,928)	2.54%	(\$10)	(\$4,746)	(\$367)	\$139	(\$228)	(\$298)	2.54%	(\$1)	(\$229)		
Jan-16	(\$13,279)	\$3,221	(\$10,058)	(\$11,669)	2.54%	(\$25)	(\$10,083)	(\$4,746)	\$377	(\$4,409)	(\$4,578)	2.54%	(\$10)	(\$4,419)	(\$229)	\$148	(\$81)	(\$155)	2.54%	(\$0)	(\$82)		
Feb-16	(\$10,083)	\$3,242	(\$6,841)	(\$8,462)	2.54%	(\$18)	(\$6,859)	(\$4,419)	\$399	(\$4,020)	(\$4,220)	2.54%	(\$9)	(\$4,029)	(\$82)	\$114	\$32	(\$25)	2.54%	(\$0)	\$32		
Mar-16	(\$6,859)	\$3,282	(\$3,576)	(\$5,217)	2.14%	(\$9)	(\$3,585)	(\$4,029)	\$373	(\$3,656)	(\$3,842)	2.14%	(\$7)	(\$3,663)	\$32	\$108	\$141	\$86	2.14%	\$0	\$141		
(2) Apr-16	(\$3,585)	\$1,759	(\$1,827)	(\$2,706)	2.14%	(\$5)	(\$1,832)	(\$3,663)	\$216	(\$3,446)	(\$3,555)	2.14%	(\$6)	(\$3,453)	\$141	\$56	\$197	\$169	2.14%	\$0	\$197		
\$40,299								\$4,624								\$1,272							

- (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 12, 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)

**Transmission Service Uncollectible Reconciliation
For the Period January 2016 through December 2016**

Status of Prior Period Over/(Under) Collection

Incurred: January 1, 2015 through December 31, 2015
Recovery Period: April 1, 2016 through March 31, 2017

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-16	(\$67,511)		(\$67,511)	(\$67,511)	2.54%	(\$143)	(\$67,654)	Jan-16	(\$10,181)		(\$10,181)	(\$10,181)	2.54%	(\$22)	(\$10,203)	Jan-16	(\$33,184)		(\$33,184)	(\$33,184)	2.54%	(\$70)	(\$33,254)
Feb-16	(\$67,654)		(\$67,654)	(\$67,654)	2.54%	(\$143)	(\$67,797)	Feb-16	(\$10,203)		(\$10,203)	(\$10,203)	2.54%	(\$22)	(\$10,224)	Feb-16	(\$33,254)		(\$33,254)	(\$33,254)	2.54%	(\$70)	(\$33,325)
Mar-16	(\$67,797)		(\$67,797)	(\$67,797)	2.14%	(\$121)	(\$67,918)	Mar-16	(\$10,224)		(\$10,224)	(\$10,224)	2.14%	(\$18)	(\$10,242)	Mar-16	(\$33,325)		(\$33,325)	(\$33,325)	2.14%	(\$59)	(\$33,384)
(1) Apr-16	(\$67,918)	1,999	(\$65,919)	(\$66,919)	2.14%	(\$119)	(\$66,039)	Apr-16	(\$10,242)	(41)	(\$10,284)	(\$10,263)	2.14%	(\$18)	(\$10,302)	Apr-16	(\$33,384)	(181)	(\$33,565)	(\$33,475)	2.14%	(\$60)	(\$33,625)
May-16	(\$66,039)	\$3,729	(\$62,310)	(\$64,174)	2.14%	(\$114)	(\$62,424)	May-16	(\$10,302)	\$405	(\$9,897)	(\$10,100)	2.14%	(\$18)	(\$9,915)	May-16	(\$33,625)	\$1,886	(\$31,739)	(\$32,682)	2.14%	(\$58)	(\$31,797)
Jun-16	(\$62,424)	\$4,801	(\$57,623)	(\$60,024)	2.14%	(\$107)	(\$57,730)	Jun-16	(\$9,915)	\$479	(\$9,437)	(\$9,676)	2.14%	(\$17)	(\$9,454)	Jun-16	(\$31,797)	\$2,213	(\$29,585)	(\$30,691)	2.14%	(\$55)	(\$29,639)
Jul-16	(\$57,730)	\$5,955	(\$51,776)	(\$54,753)	2.14%	(\$98)	(\$51,873)	Jul-16	(\$9,454)	\$541	(\$8,913)	(\$9,183)	2.14%	(\$16)	(\$8,929)	Jul-16	(\$29,639)	\$2,464	(\$27,175)	(\$28,407)	2.14%	(\$51)	(\$27,226)
Aug-16	(\$51,873)	\$7,313	(\$44,560)	(\$48,217)	2.14%	(\$86)	(\$44,646)	Aug-16	(\$8,929)	\$592	(\$8,337)	(\$8,633)	2.14%	(\$15)	(\$8,352)	Aug-16	(\$27,226)	\$2,624	(\$24,602)	(\$25,914)	2.14%	(\$46)	(\$24,648)
Sep-16	(\$44,646)	\$6,462	(\$38,184)	(\$41,415)	2.14%	(\$74)	(\$38,258)	Sep-16	(\$8,352)	\$569	(\$7,783)	(\$8,068)	2.14%	(\$14)	(\$7,797)	Sep-16	(\$24,648)	\$2,580	(\$22,067)	(\$23,358)	2.14%	(\$42)	(\$22,109)
Oct-16	(\$38,258)	\$4,499	(\$33,759)	(\$36,008)	2.14%	(\$64)	(\$33,823)	Oct-16	(\$7,797)	\$463	(\$7,335)	(\$7,566)	2.14%	(\$13)	(\$7,348)	Oct-16	(\$22,109)	\$2,131	(\$19,978)	(\$21,044)	2.14%	(\$38)	(\$20,016)
Nov-16	(\$33,823)	\$4,125	(\$29,697)	(\$31,760)	2.14%	(\$57)	(\$29,754)	Nov-16	(\$7,348)	\$419	(\$6,929)	(\$7,139)	2.14%	(\$13)	(\$6,942)	Nov-16	(\$20,016)	\$1,939	(\$18,077)	(\$19,047)	2.14%	(\$34)	(\$18,111)
Dec-16	(\$29,754)	\$4,769	(\$24,985)	(\$27,369)	2.14%	(\$49)	(\$25,033)	Dec-16	(\$6,942)	\$453	(\$6,489)	(\$6,715)	2.14%	(\$12)	(\$6,501)	Dec-16	(\$18,111)	\$1,989	(\$16,122)	(\$17,117)	2.14%	(\$31)	(\$16,152)
Jan-17	(\$25,033)	\$5,460	(\$19,573)	(\$22,303)	2.14%	(\$40)	(\$19,613)	Jan-17	(\$6,501)	\$521	(\$5,980)	(\$6,241)	2.14%	(\$11)	(\$5,992)	Jan-17	(\$16,152)	\$2,154	(\$13,999)	(\$15,075)	2.14%	(\$27)	(\$14,025)
Feb-17	(\$19,613)	\$0	(\$19,613)	(\$19,613)	2.14%	(\$35)	(\$19,648)	Feb-17	(\$5,992)	\$0	(\$5,992)	(\$5,992)	2.14%	(\$11)	(\$6,002)	Feb-17	(\$14,025)	\$0	(\$14,025)	(\$14,025)	2.14%	(\$25)	(\$14,050)
Mar-17	(\$19,648)	\$0	(\$19,648)	(\$19,648)	1.84%	(\$30)	(\$19,678)	Mar-17	(\$6,002)	\$0	(\$6,002)	(\$6,002)	1.84%	(\$9)	(\$6,011)	Mar-17	(\$14,050)	\$0	(\$14,050)	(\$14,050)	1.84%	(\$22)	(\$14,072)
(2) Apr-17	(\$19,678)	\$0	(\$19,678)	(\$19,678)	1.84%	(\$30)	(\$19,708)	Apr-17	(\$6,011)	\$0	(\$6,011)	(\$6,011)	1.84%	(\$9)	(\$6,021)	Apr-17	(\$14,072)	\$0	(\$14,072)	(\$14,072)	1.84%	(\$22)	(\$14,094)
\$49,113								\$4,400								\$19,799							

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-16	(\$34,110)		(\$34,110)	(\$34,110)	2.54%	(\$72)	(\$34,182)	Jan-16	(\$8,026)		(\$8,026)	(\$8,026)	2.54%	(\$17)	(\$8,043)	Jan-16	(\$1,066)		(\$1,066)	(\$1,066)	2.54%	(\$2)	(\$1,068)
Feb-16	(\$34,182)		(\$34,182)	(\$34,182)	2.54%	(\$72)	(\$34,255)	Feb-16	(\$8,043)		(\$8,043)	(\$8,043)	2.54%	(\$17)	(\$8,060)	Feb-16	(\$1,068)		(\$1,068)	(\$1,068)	2.54%	(\$2)	(\$1,071)
Mar-16	(\$34,255)		(\$34,255)	(\$34,255)	2.14%	(\$61)	(\$34,316)	Mar-16	(\$8,060)		(\$8,060)	(\$8,060)	2.14%	(\$14)	(\$8,074)	Mar-16	(\$1,071)		(\$1,071)	(\$1,071)	2.14%	(\$2)	(\$1,072)
(1) Apr-16	(\$34,316)	(145)	(\$34,461)	(\$34,388)	2.14%	(\$61)	(\$34,522)	Apr-16	(\$8,074)	180	(\$7,894)	(\$7,984)	2.14%	(\$14)	(\$7,908)	Apr-16	(\$1,072)	(5)	(\$1,077)	(\$1,075)	2.14%	(\$2)	(\$1,079)
May-16	(\$34,522)	\$1,497	(\$33,025)	(\$33,773)	2.14%	(\$60)	(\$33,085)	May-16	(\$7,908)	\$338	(\$7,570)	(\$7,739)	2.14%	(\$14)	(\$7,584)	May-16	(\$1,079)	\$30	(\$1,049)	(\$1,064)	2.14%	(\$2)	(\$1,051)
Jun-16	(\$33,085)	\$1,733	(\$31,352)	(\$32,219)	2.14%	(\$57)	(\$31,410)	Jun-16	(\$7,584)	\$376	(\$7,209)	(\$7,396)	2.14%	(\$13)	(\$7,222)	Jun-16	(\$1,051)	\$28	(\$1,023)	(\$1,037)	2.14%	(\$2)	(\$1,025)
Jul-16	(\$31,410)	\$1,755	(\$29,655)	(\$30,532)	2.14%	(\$54)	(\$29,709)	Jul-16	(\$7,222)	\$390	(\$6,832)	(\$7,027)	2.14%	(\$13)	(\$6,844)	Jul-16	(\$1,025)	\$30	(\$995)	(\$1,010)	2.14%	(\$2)	(\$997)
Aug-16	(\$29,709)	\$1,863	(\$27,846)	(\$28,778)	2.14%	(\$51)	(\$27,897)	Aug-16	(\$6,844)	\$418	(\$6,426)	(\$6,635)	2.14%	(\$12)	(\$6,437)	Aug-16	(\$997)	\$30	(\$967)	(\$982)	2.14%	(\$2)	(\$969)
Sep-16	(\$27,897)	\$1,893	(\$26,005)	(\$26,951)	2.14%	(\$48)	(\$26,053)	Sep-16	(\$6,437)	\$423	(\$6,015)	(\$6,226)	2.14%	(\$11)	(\$6,026)	Sep-16	(\$969)	\$35	(\$934)	(\$951)	2.14%	(\$2)	(\$935)
Oct-16	(\$26,053)	\$1,636	(\$24,417)	(\$25,235)	2.14%	(\$45)	(\$24,462)	Oct-16	(\$6,026)	\$394	(\$5,631)	(\$5,829)	2.14%	(\$10)	(\$5,642)	Oct-16	(\$935)	\$41	(\$894)	(\$915)	2.14%	(\$2)	(\$895)
Nov-16	(\$24,462)	\$1,551	(\$22,911)	(\$23,686)	2.14%	(\$42)	(\$22,953)	Nov-16	(\$5,642)	\$354	(\$5,288)	(\$5,465)	2.14%	(\$10)	(\$5,298)	Nov-16	(\$895)	\$43	(\$853)	(\$874)	2.14%	(\$2)	(\$854)
Dec-16	(\$22,953)	\$1,576	(\$21,377)	(\$22,165)	2.14%	(\$40)	(\$21,417)	Dec-16	(\$5,298)	\$379	(\$4,919)	(\$5,108)	2.14%	(\$9)	(\$4,928)	Dec-16	(\$854)	\$46	(\$808)	(\$831)	2.14%	(\$1)	(\$809)
Jan-17	(\$21,417)	\$1,637	(\$19,780)	(\$20,598)	2.14%	(\$37)	(\$19,817)	Jan-17	(\$4,928)	\$377	(\$4,551)	(\$4,739)	2.14%	(\$8)	(\$4,559)	Jan-17	(\$809)	\$51	(\$758)	(\$784)	2.14%	(\$1)	(\$760)
Feb-17	(\$19,817)	\$0	(\$19,817)	(\$19,817)	2.14%	(\$35)	(\$19,852)	Feb-17	(\$4,559)	\$0	(\$4,559)	(\$4,559)	2.14%	(\$8)	(\$4,567)	Feb-17	(\$760)	\$0	(\$760)	(\$760)	2.14%	(\$1)	(\$761)
Mar-17	(\$19,852)	\$0	(\$19,852)	(\$19,852)	1.84%	(\$30)	(\$19,882)	Mar-17	(\$4,567)	\$0	(\$4,567)	(\$4,567)	1.84%	(\$7)	(\$4,574)	Mar-17	(\$761)	\$0	(\$761)	(\$761)	1.84%	(\$1)	(\$762)
(2) Apr-17	(\$19,882)	\$0	(\$19,882)	(\$19,882)	1.84%	(\$30)	(\$19,913)	Apr-17	(\$4,574)	\$0	(\$4,574)	(\$4,574)	1.84%	(\$7)	(\$4,581)	Apr-17	(\$762)	\$0	(\$762)	(\$762)	1.84%	(\$1)	(\$764)
\$14,995								\$3,630								\$330							

(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 ASC-15, Page 1 of 5, Line 12, Docket No. 4599 (2016 Electric Retail Rate Filing), filed February 2016
- (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)

Schedule ASC – 16

Calculation of Net Metering Charge

Calculation of Net Metering Charge
Through the Period Ending December 31, 2016

	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-16	(\$2,487)	\$15,807	(\$87,135)		(\$73,814)
Feb-16	(\$2,996)	\$11,389	(\$117,526)		(\$109,134)
Mar-16	(\$12,124)	\$2,124	(\$95,276)		(\$105,276)
Apr-16	(\$22,828)	\$4,663	(\$39,492)	(\$27,679)	(\$85,337)
May-16	(\$28,149)	\$3,266	(\$27,006)		(\$51,890)
Jun-16	(\$39,327)	\$5,255	(\$8,094)		(\$42,165)
Jul-16	(\$36,737)	\$4,397	(\$1,266)		(\$33,607)
Aug-16	(\$28,988)	\$4,487	(\$544)		(\$25,045)
Sep-16	(\$41,918)	\$3,940	(\$150)		(\$38,129)
Oct-16	(\$401,328)	\$3,995	(\$7,495)		(\$404,828)
Nov-16	(\$370,701)	\$7,891	(\$17,429)		(\$380,239)
Dec-16	(\$363,545)	\$16,893	(\$17,662)		(\$364,315)
	<u>(\$1,351,130)</u>	<u>\$84,105</u>	<u>(\$419,076)</u>	<u>(\$27,679)</u>	<u>(\$1,713,779)</u>

(1) Forecasted kWhs April 1, 2017 through March 31, 2018 7,423,513,683

(2) Proposed Net Metering Charge \$0.00023

Column Descriptions:

- (a) per company reports
- (b) from ISO monthly bill
- (c) per invoices
- (d) Page 3, Remaining Balance from Over(Under) Recovery incurred during 2014
- (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, 2015 through December 31, 2015
Recovery Period: April 1, 2016 through March 31, 2017

	Beginning Over (Under) Recovery Balance (a)	Net Metering Revenue (b)	Ending Over (Under) Recovery Balance (c)
Jan-16	(\$551,915)		(\$551,915)
Feb-16	(\$551,915)		(\$551,915)
Mar-16	(\$551,915)		(\$551,915)
(1) Apr-16	(\$551,915)	\$18,201	(\$533,714)
May-16	(\$533,714)	\$35,470	(\$498,244)
Jun-16	(\$498,244)	\$42,788	(\$455,456)
Jul-16	(\$455,456)	\$48,407	(\$407,049)
Aug-16	(\$407,049)	\$55,035	(\$352,014)
Sep-16	(\$352,014)	\$52,015	(\$300,000)
Oct-16	(\$300,000)	\$40,879	(\$259,121)
Nov-16	(\$259,121)	\$37,724	(\$221,397)
Dec-16	(\$221,397)	\$40,832	(\$180,565)
Jan-17	(\$180,565)	\$44,749	(\$135,816)
Feb-17	(\$135,816)	\$0	(\$135,816)
Mar-17	(\$135,816)	\$0	(\$135,816)
(2) Apr-17	(\$135,816)	\$0	(\$135,816)
Totals	(\$551,915)	\$416,099	(\$135,816)

(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. 4599 filed February 2016, Schedule ASC-16, page 1
- (b) per company reports
- (c) column (a) + column (b)

Net Metering Reconciliation

Incurred: January 1, 2014 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)	\$12,209	(\$46,058)
Mar-16	(\$46,058)	\$12,149	(\$33,908)
(2) Apr-16	(\$33,908)	\$6,229	(\$27,679)
Totals	(\$177,080)	\$149,401	(\$27,679)

- (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)

Schedule ASC – 17

Net Metering Report for 2016

**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	A-16	550
RI-000083	East Greenwich	1	Solar	Inverter	9/3/1998	A-16	1,100
NECO-000026	Charlestown	2.1	Solar	Inverter	7/22/1999	A-16	2,310
RI-000116	Middletown	58	Solar	Inverter	9/9/1999	G-32	63,800
RI-000084	Foster	4	Solar	Inverter	12/31/1999	A-16	4,400
RI-000085	WARWICK	1.4	Solar	Inverter	6/15/2000	A-16	1,540
RI-000086	Cranston	0.3	Solar	Inverter	7/1/2000	A-16	330
RI-000088	Portsmouth	5	Solar	Inverter	10/1/2000	A-16	5,500
NECO-000035	Providence	1.14	Solar	Inverter	6/21/2001	A-16	1,254
NECO-000036	Middletown	1.8	Solar	Inverter	11/1/2001	A-16	1,980
NECO-000037	Burrillville	2	Solar	Inverter	1/1/2002	G-32	2,200
NECO-000034	West Kingston	5.76	Solar	Inverter	3/12/2002	G-02	6,336
NECO-000033	Providence	2	Solar	Inverter	5/1/2002	G-32	2,200
NECO-000031	Cranston	2	Solar	Inverter	8/15/2002	G-32	2,200
NECO-000032	North Kingstown	2	Solar	Inverter	8/15/2002	G-02	2,200
NECO-000030	West Kingston	2.5	Solar	Inverter	2/3/2003	A-16	2,750
NECO-000003	Charlestown	3.6	Solar	Inverter	8/1/2003	A-16	3,960
NECO-000002	Wakefield	10	Wind	(blank)	8/4/2003	A-16	24,000
NECO-000004	Cranston	3	Solar	Inverter	10/6/2003	A-16	3,300
NECO-000006	Westerly	3	Solar	Inverter	1/15/2004	A-16	3,300
NECO-000007	Bristol	8	Solar	Inverter	5/14/2004	G-02	8,800
NECO-000014	Cumberland	8.4	Solar	Inverter	9/10/2004	A-16	9,240
NECO-000024	Bristol	3.6	Solar	Inverter	9/17/2004	G-32	3,960
NECO-000025	Bristol	9	Solar	Inverter	9/17/2004	G-32	9,900
NECO-000001	Little Compton	10.53	Solar	Inverter	10/27/2004	A-16	11,583
NECO-000008	Westerly	5	Solar	Inverter	10/28/2004	A-16	5,500
NECO-000023	Narragansett	5.3	Solar	Inverter	11/9/2004	A-16	5,830
RI-000004	Charlestown	2.7	Solar	Inverter	1/7/2005	A-16	2,970
NECO-000009	West Greenwich	1.8	Solar	Inverter	3/9/2005	G-02	1,980
NECO-000018	SCITUATE	1.8	Solar	Inverter	5/5/2005	G-32	1,980
NECO-000010	Providence	20.04	Solar	Inverter	5/10/2005	G-02	22,044
RI-000001	Little Compton	10.03	Solar	Inverter	5/25/2005	A-16	11,033
NECO-000027	Providence	3.96	Solar	Inverter	5/27/2005	A-16	4,356
RI-000087	North Kingstown	3	Solar	Inverter	6/1/2005	A-16	3,300
NECO-000022	Wood River Jct	15	Solar	Inverter	6/2/2005	C-06	16,500
NECO-000011	WARWICK	8.95	Solar	Inverter	6/21/2005	A-16	9,845
NECO-000015	Barrington	4.488	Solar	Inverter	8/10/2005	A-16	4,937
NECO-000021	Barrington	2.9	Solar	Inverter	8/12/2005	A-16	3,190
NECO-000020	WARWICK	7.3	Solar	Inverter	8/12/2005	A-16	8,030
NECO-000016	Tiverton	5.1	Solar	Inverter	8/24/2005	A-16	5,610
NECO-000017	Lincoln	5.1	Solar	Inverter	8/24/2005	A-16	5,610
RI-000007	Providence	1	Solar	Inverter	10/25/2005	G-62	1,100
RI-000045	Narragansett	4	Solar	Inverter	10/27/2005	A-16	4,400
RI-000010	Tiverton	5	Solar	Inverter	10/27/2005	G-02	5,500
RI-000006	Cumberland	3.05	Solar	Inverter	12/12/2005	A-16	3,355
NECO-000028	Providence	24.9	Solar	Inverter	12/29/2005	G-32	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	A-16	6,105
RI-000044	Middletown	3	Solar	Inverter	1/1/2006	C-06	3,300
RI-000089	Charlestown	5.2	Solar	Inverter	1/1/2006	A-16	5,720
RI-000041	Providence	1.1	Solar	Inverter	1/26/2006	C-06	1,210
RI-000027	Providence	6	Solar	Inverter	1/27/2006	A-16	6,600
RI-000033	Ashaway	6.84	Solar	Inverter	1/27/2006	A-16	7,524
RI-000038	Providence	3.42	Solar	Inverter	2/7/2006	A-16	3,762
RI-000031	Providence	5.13	Solar	Inverter	2/20/2006	A-16	5,643
RI-000005	Narragansett	4	Solar	Inverter	3/2/2006	A-16	4,400
NECO-000013	Wakefield	5.32	Solar	Inverter	3/17/2006	A-16	5,852
RI-000012	Kingstown	5.86	Solar	Inverter	3/31/2006	C-06	6,446
NECO-000019	Portsmouth	660	Wind	Induction	4/1/2006	G-32	1,584,000
RI-000011	Charlestown	4	Solar	Inverter	4/7/2006	A-16	4,400
RI-000032	GLOUCESTER	4.56	Solar	Inverter	4/14/2006	A-16	5,016
RI-000008	Smithfield	10.54	Solar	Inverter	4/14/2006	A-16	11,594
RI-000014	Tiverton	4.008	Solar	Inverter	4/17/2006	A-16	4,409
RI-000026	West Kingston	4	Solar	Inverter	4/27/2006	A-16	4,400
RI-000030	Charlestown	4.18	Solar	Inverter	4/27/2006	A-16	4,598
NECO-000029	Cranston	50	Solar	Inverter	5/1/2006	C-06	55,000
RI-000039	Warren	4.56	Solar	Inverter	5/9/2006	A-16	5,016
RI-000016	Wakefield	5.7	Solar	Inverter	5/9/2006	A-16	6,270
RI-000022	Westerly	3.99	Solar	Inverter	5/18/2006	A-16	4,389
RI-000003	Peacedale	5.1	Solar	Inverter	6/2/2006	A-16	5,610
RI-000025	Portsmouth	3.4	Solar	Inverter	7/5/2006	A-16	3,740
RI-000019	Narragansett	3.3	Solar	Inverter	7/26/2006	A-16	3,630
RI-000021	South Kingstown	3.8	Solar	Inverter	7/26/2006	A-16	4,180
RI-000020	Charlestown	5.32	Solar	Inverter	7/26/2006	A-16	5,852
RI-000017	Wakefield	5.94	Solar	Inverter	7/26/2006	A-16	6,534
RI-000024	West Kingston	3.8	Solar	Inverter	8/17/2006	A-16	4,180
RI-000054	Portsmouth	1.8	Solar	Inverter	8/31/2006	G-02	1,980
RI-000040	Narragansett	5.7	Solar	Inverter	9/16/2006	A-16	6,270
RI-000028	Providence	3.06	Solar	Inverter	10/10/2006	A-16	3,366
RI-000002	Charlestown	5.25	Solar	Inverter	10/30/2006	A-60	5,775
RI-000013	Hope Valley	6.88	Solar	Inverter	10/30/2006	A-16	7,568
RI-000036	Jamestown	1.4	Solar	Inverter	11/2/2006	A-16	1,540
RI-000051	Bristol	4.2	Solar	Inverter	12/1/2006	A-16	4,620
RI-000035	South Kingstown	6.27	Solar	Inverter	12/11/2006	A-16	6,897
RI-000018	Barrington	3.25	Solar	Inverter	12/19/2006	A-16	3,575
RI-000009	Bristol	4	Solar	Inverter	12/19/2006	A-16	4,400
RI-000042a	Westerly	5.9	Solar	Inverter	1/11/2007	A-16	6,490
RI-000042b	Westerly	5.9	Solar	Inverter	1/11/2007	A-16	6,490
RI-000046	Westerly	6.4	Solar	Inverter	1/11/2007	A-16	7,040
RI-000023	Providence	1.7	Solar	Inverter	1/12/2007	A-16	1,870
RI-000049	Bristol	2	Solar	Inverter	1/31/2007	G-02	2,200
RI-000050	Middletown	2	Solar	Inverter	2/1/2007	G-02	2,200
RI-000043	Pawtucket	3.4	Solar	Inverter	2/2/2007	A-16	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	A-16	6,490
RI-000037	Cranston	5.7	Solar	Inverter	2/16/2007	A-16	6,270
RI-000053	SCITUATE	15.45	Solar	Inverter	6/11/2007	C-06	16,995
RI-000059	North Smithfield	2	Solar	Inverter	7/6/2007	G-32	2,200
RI-000060	Covertry	2	Solar	Inverter	7/6/2007	G-32	2,200
RI-000062	Hope Valley	3.12	Solar	Inverter	7/19/2007	C-06	3,432
RI-000073	Little Compton	3.04	Solar	Inverter	8/28/2007	A-16	3,344
RI-000071	Portsmouth	3.15	Solar	Inverter	9/25/2007	A-16	3,465
RI-000056	Greenville	19.4	Solar	Inverter	9/26/2007	G-02	21,340
RI-000061	Peace Dale	2	Solar	Inverter	9/27/2007	G-32	2,200
RI-000074	WARWICK	1.75	Solar	Inverter	10/1/2007	A-16	1,925
RI-000072	Middletown	2.45	Solar	Inverter	10/12/2007	A-16	2,695
RI-000077	Jamestown	3.675	Solar	Inverter	10/22/2007	A-16	4,043
RI-000080	Wakefield	2.4	Wind	Inverter	10/23/2007	A-16	5,760
RI-000078	SCITUATE	7.56	Solar	Inverter	10/29/2007	A-16	8,316
RI-000082	Little Compton	2.8	Solar	Inverter	11/7/2007	A-16	3,080
RI-000079	Newport	24.5	Solar	Inverter	11/16/2007	G-02	26,950
RI-000081	South Kingstown	4.2	Solar	Inverter	12/7/2007	A-16	4,620
RI-000058	West Greenwich	1.575	Solar	Inverter	12/13/2007	C-06	1,733
RI-000057	Jamestown	3.15	Solar	Inverter	12/31/2007	A-16	3,465
RI-000055	Wakefield	7	Solar	Inverter	12/31/2007	A-16	7,700
RI-000096	Narragansett	5.32	Solar	Inverter	6/9/2008	A-16	5,852
RI-000102	West Warwick	2	Solar	Inverter	6/13/2008	G-02	2,200
RI-000075	Little Compton	5.4	Solar	Inverter	6/18/2008	A-16	5,940
RI-000097	Jamestown	5.05	Solar	Inverter	6/25/2008	A-16	5,555
RI-000098	Portsmouth	5.6	Solar	Inverter	6/26/2008	A-16	6,160
RI-000100	Middletown	4.8	Wind	(blank)	7/3/2008	A-16	11,520
RI-000104	Westerly	7.2	Solar	Inverter	8/26/2008	A-16	7,920
RI-000103	Saunderstown	3	Solar	Inverter	9/17/2008	A-16	3,300
RI-000112	Portsmouth	3	Solar	Inverter	9/26/2008	A-16	3,300
RI-000110	Little Compton	4.2	Solar	Inverter	9/29/2008	A-16	4,620
RI-000107	Wakefield	3.24	Solar	Inverter	9/30/2008	A-16	3,564
RI-000111	Providence	3.28	Solar	Inverter	10/8/2008	C-06	3,608
RI-000113	Newport	3.07	Solar	Inverter	10/14/2008	A-16	3,377
RI-000109	Providence	2.87	Solar	Inverter	10/30/2008	A-16	3,157
RI-000120	Middletown	1.2	Wind	Inverter	11/20/2008	A-16	2,880
RI-000119	Middletown	1.98	Solar	Inverter	11/20/2008	A-16	2,178
RI-000117	Newport	2	Solar	Inverter	11/20/2008	A-16	2,200
RI-000121	Johnston	2.88	Solar	Inverter	12/8/2008	A-16	3,168
RI-000126	Cumberland	1.8	Solar	Inverter	1/14/2009	A-16	1,980
RI-000122	Tiverton	2	Solar	Inverter	1/14/2009	A-16	2,200
RI-000128	North Providence	3.15	Solar	Inverter	1/15/2009	A-16	3,465
RI-000124	W. Greenwich	5.04	Solar	Inverter	1/15/2009	A-16	5,544
RI-000123	Middletown	27.6	Solar	Inverter	2/17/2009	C-06	30,360
RI-000129	Hope (Fiskeville)	6	Solar	Inverter	2/26/2009	A-16	6,600
RI-000101	Portsmouth	1500	Wind	Induction	3/18/2009	G-32	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	A-16	7,700
RI-000133	Westerly	3.78	Solar	Inverter	4/7/2009	A-16	4,158
RI-000137	Johnston	5.46	Solar	Inverter	4/22/2009	A-16	6,006
RI-000108	WARWICK	23.625	Solar	Inverter	5/18/2009	G-02	25,988
RI-000136	Hopkinton	1.8	Solar	Inverter	6/19/2009	A-16	1,980
RI-000144	Foster	1.3	Wind	Inverter	7/6/2009	A-16	3,120
RI-000142	Charleston	4.2	Solar	Inverter	7/7/2009	A-16	4,620
RI-000132	WARWICK	100	Wind	Inverter	8/18/2009	G-32	240,000
RI-000147	Cranston	3.85	Solar	Inverter	8/20/2009	A-16	4,235
RI-000151	Jamestown	1.8	Solar	Inverter	11/18/2009	A-16	1,980
RI-000148	Prudence Island	2.1	Solar	Inverter	11/19/2009	A-16	2,310
RI-000157	Hope Valley	3.6	Solar	Inverter	12/4/2009	A-16	3,960
RI-000146	Middletown	100	Wind	Inverter	12/10/2009	G-02	240,000
RI-000160	Providence	50	Solar	Inverter	12/29/2009	G-02	55,000
RI-000154	Providence	75	Solar	Inverter	12/29/2009	G-02	82,500
RI-000159	Cumberland	5	Solar	Inverter	1/11/2010	A-16	5,500
RI-000163	Woonsocket	3	Solar	Inverter	1/12/2010	A-16	3,300
RI-000162	Jamestown	4.5	Solar	Inverter	1/15/2010	A-16	4,950
RI-000152	Tiverton	4.8	Solar	Inverter	2/22/2010	A-16	5,280
RI-000176	N Smithfield	1.5	Wind	Inverter	6/10/2010	A-16	3,600
RI-000177	Barrington	6	Solar	Inverter	6/22/2010	A-16	6,600
RI-000174	Rumford	3	Solar	Inverter	7/19/2010	A-16	3,300
RI-000183	Little Compton	3	Solar	Inverter	7/19/2010	A-16	3,300
RI-000184	Bristol	4	Solar	Inverter	7/23/2010	A-16	4,400
RI-000172	SCITUATE	4	Solar	Inverter	7/26/2010	A-16	4,400
RI-000175	Providence	1.5	Wind	Inverter	8/2/2010	C-06	3,600
RI-000156	South Kingston(Wakefield)	3.15	Solar	Inverter	8/17/2010	A-16	3,465
RI-000171	Narragansett	4	Solar	Inverter	10/5/2010	A-16	4,400
RI-000127	Narragansett	10	Wind	Inverter	10/8/2010	C-06	24,000
RI-000178	Little Compton	14	Solar	Inverter	10/19/2010	A-16	15,400
RI-000194	Exeter	3.61	Solar	Inverter	11/10/2010	A-16	3,971
RI-000190	Jamestown	4	Solar	Inverter	11/16/2010	C-02	4,400
RI-000170	Barrington	3	Solar	Inverter	11/19/2010	A-16	3,300
RI-000181	SCITUATE	3	Solar	Inverter	11/19/2010	A-16	3,300
RI-000209	North Kingstown	1.5	Wind	Inverter	1/7/2011	A-16	3,600
RI-000207	West Kingston	4	Solar	Inverter	1/13/2011	A-16	4,400
RI-000193	Narragansett	5	Solar	Inverter	1/18/2011	A-16	5,500
RI-000208	Charlestown	5	Solar	Inverter	2/1/2011	A-16	5,500
RI-000216	West Kingston	5.25	Solar	Inverter	3/2/2011	A-16	5,775
RI-000188	Pawtucket	164	Solar	Inverter	3/2/2011	G-32	180,400
RI-000192a	Johnston	19	Solar	Inverter	3/9/2011	G-02	20,900
RI-000212	South Kingston	2.6	Solar	Inverter	3/18/2011	A-16	2,860
RI-000201	Charlestown	30	Solar	Inverter	3/22/2011	G-02	33,000
RI-000200	North Kingston	2.9	Solar	Inverter	3/23/2011	A-16	3,190
RI-000191	Providence	50	Solar	Inverter	3/23/2011	C-02	55,000
RI-000192c	Providence	20.3	Solar	Inverter	3/30/2011	G-02	22,330
RI-000192b	Barrington	21	Solar	Inverter	4/5/2011	G-02	23,100
RI-000218	Compton	4.8	Solar	Inverter	4/8/2011	A-16	5,280
RI-000210	Newport	1.14	Solar	Inverter	7/13/2011	A-16	1,254

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RI-000224	Cumberland	2.27	Solar	Inverter	8/2/2011	A-16	2,497
RI-000228	North Smithfield	13	Solar	Inverter	8/11/2011	G-32	14,300
RI-000229	Charlestown	3	Solar	Inverter	10/7/2011	A-16	3,300
RI-000235	Providence	4	Solar	Inverter	10/10/2011	A-16	4,400
RI-000227	Lincoln	60	Solar	Inverter	10/10/2011	G-02	66,000
RI-000230	Littlecompton	4	Solar	Inverter	10/17/2011	A-16	4,400
RI-000213	Narragansett	100	Wind	Inverter	10/19/2011	G-02	240,000
RI-000217	Providence	35	Solar	Inverter	11/10/2011	C-06	38,500
RI-000232	Providence	10	Solar	Inverter	11/18/2011	C-06	11,000
RI-000234	Hope Valley	6	Solar	Inverter	12/20/2011	A-16	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	A-16	4,400
13287157	WEST WARWICK	150	Solar	Inverter	1/27/2012	G-02	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	A-16	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-02	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-02	11,000
13168803	NORTH KINGSTOWN	20	Solar	Inverter	4/2/2012	G-02	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-02	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

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12815821	PROVIDENCE	3.23	Solar	Inverter	8/8/2012	A-16	3,553
13263785	PROVIDENCE	2.37	Solar	Inverter	8/15/2012	A-16	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	G-02	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-02	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-02	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-02	110,000
13213633	CRANSTON	500	Solar	Inverter	12/27/2013	G-02	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-02	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
19754757	NORTH KINGSTOWN	7	Solar	Inverter	1/25/2016	A-16	7,700
20430367	EXETER	12.9	Solar	Inverter	1/28/2016	A-16	14,190
20177683	NORTH SMITHFIELD	70	Solar	Inverter	2/10/2016	G-2	77,000
21022474	JAMESTOWN	15	Solar	Inverter	5/9/2016	A-16	16,500
20581809	WARWICK	56	Solar	Inverter	5/13/2016	G-2	61,600
18803453	EAST PROVIDENCE	264	Solar	Inverter	5/23/2016	G-2	290,400
21924490	EAST PROVIDENCE	3.8	Solar	Inverter	6/22/2016	A-16	4,180
22237510	BRISTOL	3	Solar	Inverter	7/12/2016	A-16	3,300
21258025	WEST GREENWICH	19.995	Solar	Inverter	7/14/2016	C-06	21,995
14462941	COVENTRY	4500	Wind	Inverter	8/5/2016	g-32	10,800,000
19307209	LINCOLN	39.9	Solar	Inverter	8/18/2016	G-2	43,890
22223454	RIVERSIDE	3.8	Solar	Inverter	8/30/2016	A-16	4,180
20157367	HOPE VALLEY	14	Solar	Inverter	9/7/2016	A-16	15,400
22019433	PROVIDENCE	98	Solar	Inverter	9/23/2016	C-06	107,800
22631385	BARRINGTON	6	Solar	Inverter	9/23/2016	A-16	6,600
19539750	WEST WARWICK	384	Solar	Inverter	10/10/2016	C-06	422,400
22697334	PORTSMOUTH	10.4	Solar	Inverter	10/10/2016	A-16	11,440
14319785	COVENTRY	1500	Wind	Inverter	10/13/2016	g-32	3,600,000
22666456	PEACE DALE	6	Solar	Inverter	10/13/2016	A-16	6,600
22723562	CRANSTON	5.2	Solar	Inverter	10/17/2016	A-16	5,720
22855682	RIVERSIDE	6	Solar	Inverter	10/17/2016	A-16	6,600
22672941	HOPE	10	Solar	Inverter	10/19/2016	A-16	11,000
22406625	LINCOLN	7.6	Solar	Inverter	10/24/2016	A-16	8,360
22672966	WEST GREENWICH	10.4	Solar	Inverter	10/26/2016	A-16	11,440
22814140	PORTSMOUTH	10.4	Solar	Inverter	10/26/2016	A-16	11,440
22651829	HOPKINTON	6.6	Solar	Inverter	10/27/2016	A-60	7,260

Facility ID	Town	Capacity (kW)	Fuel Type	DG type	Date Authority to Interconnect Sent	Rate Class	Estimated Annual Generation - kWh
22697301	JOHNSTON	3	Solar	Inverter	10/27/2016	A-16	3,300
22642029	PORTSMOUTH	9	Solar	Inverter	10/31/2016	A-16	9,900
22651808	WARWICK	3	Solar	Inverter	10/31/2016	A-16	3,300
22722153	COVENTRY	3.8	Solar	Inverter	10/31/2016	A-16	4,180
22723603	NORTH KINGSTOWN	10.4	Solar	Inverter	10/31/2016	A-16	11,440
22733319	BRISTOL	6	Solar	Inverter	10/31/2016	A-16	6,600
22770917	TIVERTON	3.8	Solar	Inverter	10/31/2016	A-16	4,180
22873899	NARRAGANSETT	7.6	Solar	Inverter	10/31/2016	A-16	8,360
22643207	PROVIDENCE	6.6	Solar	Inverter	11/1/2016	A-16	7,260
22780407	BRISTOL	5.2	Solar	Inverter	11/2/2016	A-16	5,720
22824606	PORTSMOUTH	7.6	Solar	Inverter	11/2/2016	A-16	8,360
22891472	PORTSMOUTH	5.2	Solar	Inverter	11/3/2016	A-16	5,720
23022999	MIDDLETOWN	4	Solar	Inverter	11/3/2016	A-16	4,400
22934847	BARRINGTON	3.5	Solar	Inverter	11/4/2016	A-16	3,850
22814108	COVENTRY	7.6	Solar	Inverter	11/8/2016	A-16	8,360
22937440	NARRAGANSETT	7.6	Solar	Inverter	11/8/2016	A-16	8,360
22643187	JAMESTOWN	7.6	Solar	Inverter	11/9/2016	A-16	8,360
22872788	NORTH SMITHFIELD	7.5	Solar	Inverter	11/11/2016	A-16	8,250
22509233	PROVIDENCE	5	Solar	Inverter	11/15/2016	A-16	5,500
22800196	GREENE	5.2	Solar	Inverter	11/15/2016	A-16	5,720
22641988	NORTH KINGSTOWN	5.2	Solar	Inverter	11/16/2016	A-16	5,720
22800637	SMITHFIELD	7.6	Solar	Inverter	11/16/2016	A-16	8,360
22800664	EAST PROVIDENCE	5.2	Solar	Inverter	11/16/2016	A-16	5,720
22814166	PROVIDENCE	3.8	Solar	Inverter	11/16/2016	A-16	4,180
22824642	EAST PROVIDENCE	5.2	Solar	Inverter	11/16/2016	A-16	5,720
22824752	WEST GREENWICH	7.6	Solar	Inverter	11/16/2016	A-16	8,360
22741653	WOONSOCKET	3.8	Solar	Inverter	11/17/2016	A-16	4,180
22773000	BRISTOL	7.6	Solar	Inverter	11/17/2016	A-16	8,360
22869498	NORTH SMITHFIELD	10	Solar	Inverter	11/17/2016	A-16	11,000
22633231	WAKEFIELD	10	Solar	Inverter	11/18/2016	A-16	11,000
22770715	WARWICK	3.8	Solar	Inverter	11/18/2016	A-16	4,180
22923286	JAMESTOWN	10	Solar	Inverter	11/18/2016	A-16	11,000
22903636	NORTH PROVIDENCE	6.6	Solar	Inverter	11/21/2016	A-16	7,260
22878357	PROVIDENCE	7.6	Solar	Inverter	11/22/2016	A-16	8,360
22824952	SCITUATE	6	Solar	Inverter	11/23/2016	A-16	6,600
22972982	WOOD RIVER JT	7.6	Solar	Inverter	11/23/2016	A-16	8,360
22672944	WARREN	5.2	Solar	Inverter	11/25/2016	A-16	5,720
22742096	EAST PROVIDENCE	3.8	Solar	Inverter	11/25/2016	A-16	4,180
22814152	NORTH KINGSTOWN	3.8	Solar	Inverter	11/25/2016	A-16	4,180
22964644	WARREN	3	Solar	Inverter	11/25/2016	A-16	3,300
22873974	NORTH KINGSTOWN	5.2	Solar	Inverter	11/28/2016	A-16	5,720
22770779	WESTERLY	5.2	Solar	Inverter	12/1/2016	A-16	5,720
22972788	NORTH KINGSTOWN	7.6	Solar	Inverter	12/2/2016	A-16	8,360
23148651	MIDDLETOWN	6	Solar	Inverter	12/4/2016	A-16	6,600
23148703	MIDDLETOWN	7.2	Solar	Inverter	12/4/2016	A-16	7,920
23148743	MIDDLETOWN	6	Solar	Inverter	12/4/2016	A-16	6,600
23182004	NORTH KINGSTOWN	2.5	Solar	Inverter	12/4/2016	A-16	2,750
23183695	MIDDLETOWN	6	Solar	Inverter	12/4/2016	A-16	6,600
22741674	EAST GREENWICH	5.2	Solar	Inverter	12/8/2016	A-16	5,720
22800162	NORTH PROVIDENCE	5.2	Solar	Inverter	12/8/2016	A-16	5,720
22956453	JAMESTOWN	6	Solar	Inverter	12/8/2016	A-16	6,600
23013139	WAKEFIELD	7.6	Solar	Inverter	12/12/2016	A-16	8,360
23013444	NEWPORT	3.8	Solar	Inverter	12/12/2016	A-16	4,180
23048906	PAWTUCKET	7.6	Solar	Inverter	12/12/2016	A-16	8,360
23060943	PAWTUCKET	7.6	Solar	Inverter	12/12/2016	A-16	8,360
23070378	MIDDLETOWN	11.4	Solar	Inverter	12/12/2016	A-16	12,540
23107163	CRANSTON	6	Solar	Inverter	12/12/2016	A-16	6,600

Facility ID	Town	Capacity (kW)	Fuel Type	DG type	Date Authority to Interconnect Sent	Rate Class	Estimated Annual Generation - kWh
23051315	NORTH KINGSTOWN	7.6	Solar	Inverter	12/14/2016	A-16	8,360
23088743	PAWTUCKET	3.8	Solar	Inverter	12/15/2016	A-60	4,180
22934639	JAMESTOWN	7.6	Solar	Inverter	12/16/2016	A-16	8,360
23018287	EXETER	10.4	Solar	Inverter	12/19/2016	A-16	11,440
22623478	BRISTOL	20	Solar	Inverter	12/20/2016	A-16	22,000
23137059	BRISTOL	7.6	Solar	Inverter	12/20/2016	A-16	8,360
22803291	WAKEFIELD	7.6	Solar	Inverter	12/21/2016	A-16	8,360
23059533	PORTSMOUTH	7.6	Solar	Inverter	12/21/2016	A-16	8,360
23250649	PAWTUCKET	6	Solar	Inverter	12/21/2016	A-16	6,600
22639918	RIVERSIDE	3.8	Solar	Inverter	12/22/2016	A-16	4,180
22873958	NARRAGANSETT	3.8	Solar	Inverter	12/23/2016	A-16	4,180
22998477	CRANSTON	10.4	Solar	Inverter	12/23/2016	A-16	11,440
22109973	WARWICK	4.25	Solar	Inverter	12/28/2016	A-16	4,675
22273146	CUMBERLAND	15.75	Solar	Inverter	12/28/2016	G-2	17,325
23107565	COVENTRY	7.6	Solar	Inverter	12/28/2016	A-16	8,360
23141079	MIDDLETOWN	3.8	Solar	Inverter	12/28/2016	A-16	4,180
23192543	MIDDLETOWN	10	Solar	Inverter	12/28/2016	A-16	11,000
19732103	WEST WARWICK	375	Solar	Inverter	12/30/2016	G-2	412,500
23107336	SMITHFIELD	13.2	Solar	Inverter	12/30/2016	A-16	14,520
Totals		23,108.58					43,242,394

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, 2016 through December 31, 2016
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-16	\$0	\$318,915	(\$955,209)		\$1,274,124	\$1,274,124
Feb-16	\$1,274,124	\$712,778	\$2,143,008		(\$1,430,230)	(\$156,106)
Mar-16	(\$156,106)	\$706,238	\$2,592,699		(\$1,886,460)	(\$2,042,567)
Apr-16	(\$2,042,567)	\$664,576	\$512,490	(\$378,233)	(\$226,146)	(\$2,268,713)
May-16	(\$2,268,713)	\$589,926	\$2,779,153		(\$2,189,227)	(\$4,457,940)
Jun-16	(\$4,457,940)	\$712,075	\$2,691,347		(\$1,979,272)	(\$6,437,212)
Jul-16	(\$6,437,212)	\$1,144,482	\$112,877		\$1,031,605	(\$5,405,607)
Aug-16	(\$5,405,607)	\$1,711,597	\$2,512,425		(\$800,828)	(\$6,206,435)
Sep-16	(\$6,206,435)	\$1,620,740	\$2,407,911		(\$787,170)	(\$6,993,606)
Oct-16	(\$6,993,606)	\$1,273,890	\$391,841		\$882,049	(\$6,111,556)
Nov-16	(\$6,111,556)	\$1,176,260	\$2,229,961		(\$1,053,702)	(\$7,165,258)
Dec-16	(\$7,165,258)	\$1,272,099	\$2,445,919		(\$1,173,820)	(\$8,339,078)
Jan-17	(\$8,339,078)	\$815,590			\$815,590	(\$7,523,488)
		\$12,719,166	\$19,864,422	(\$378,233)	(\$7,523,488)	(\$7,523,488)
(1) Interest						(\$36,740)
(2) Ending Balance Including Interest						(\$7,560,228)
(3) Interest During Recovery Period						(\$75,245)
(4) Ending Balance Including Interest During the Recovery Period						(\$7,635,473)
(5) Forecasted kWhs for the period April 1, 2017 through March 31, 2018						7,423,513,683
(6) Unadjusted charge per kWh						\$0.00102
(7) Adjustment for Uncollectible Allowance						\$0.00001
(8) Proposed LTC Recovery Reconciliation Factor Effective April 1, 2017						\$0.00103
(9) currently effective LTC Recovery Factor						\$0.00551
(10) LTC Recovery Factor Effective April 1, 2017						\$0.00654

Column Descriptions:

- | | |
|------------------------------|--|
| (a) Prior month's column (f) | (d) Page 6, Remaining Balance from Under Recovery incurred during 2014 |
| (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) [Beginning balance + Ending balance ÷ 2] x average short term interest rate of 0.9767% | (6) Line (4) ÷ Line (5), truncated to 5 decimal places |
| (2) ending balance plus interest on line (1) | (7) Line (6) x the Uncollectible rate of 1.25%, truncated to 5 decimal places |
| (3) Page 2 | (8) Line (6) + Line (7) |
| (4) Line (2) + Line (3) | (9) per LTC Recovery Factor filing, November 2016 |
| (5) per Company forecast | (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-17	(\$7,560,228)		(\$7,560,228)	1.32%	(\$8,316)
Feb-17	(\$7,568,544)		(\$7,568,544)	1.32%	(\$8,325)
Mar-17	(\$7,576,869)		(\$7,576,869)	1.32%	(\$8,335)
Apr-17	(\$7,585,204)	(\$632,100)	(\$6,953,104)	1.32%	(\$7,996)
May-17	(\$6,961,100)	(\$632,827)	(\$6,328,272)	1.32%	(\$7,309)
Jun-17	(\$6,335,582)	(\$633,558)	(\$5,702,023)	1.32%	(\$6,621)
Jul-17	(\$5,708,644)	(\$634,294)	(\$5,074,350)	1.32%	(\$5,931)
Aug-17	(\$5,080,281)	(\$635,035)	(\$4,445,246)	1.32%	(\$5,239)
Sep-17	(\$4,450,485)	(\$635,784)	(\$3,814,701)	1.32%	(\$4,546)
Oct-17	(\$3,819,247)	(\$636,541)	(\$3,182,706)	1.32%	(\$3,851)
Nov-17	(\$3,186,557)	(\$637,311)	(\$2,549,246)	1.32%	(\$3,155)
Dec-17	(\$2,552,400)	(\$638,100)	(\$1,914,300)	1.32%	(\$2,457)
Jan-18	(\$1,916,757)	(\$638,919)	(\$1,277,838)	1.32%	(\$1,757)
Feb-18	(\$1,279,595)	(\$639,797)	(\$639,797)	1.32%	(\$1,056)
Mar-18	(\$640,853)	(\$640,853)	\$0	1.32%	(\$352)
					<u><u>(\$75,245)</u></u>

Column Notes:

- (a) Jan-17 per Page 1, line (2). Feb-17 through Mar-18, Column (c) + Column (e) of previous month
- (b) For Apr-2017, (Column (a)) ÷ 12. For May-2017, (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, 2016 through December 31, 2016

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-16	\$637,708	\$5,474	\$632,234	\$309,282	\$322,952	\$4,037	\$318,915
	Feb-16	\$1,423,804	\$12,209	\$1,411,595	\$689,795	\$721,800	\$9,023	\$712,778
	Mar-16	\$1,413,760	\$12,149	\$1,401,611	\$686,433	\$715,178	\$8,940	\$706,238
	Apr-16	\$1,350,965	\$24,430	\$1,326,535	\$653,546	\$672,989	\$8,412	\$664,576
	May-16	\$1,220,649	\$35,470	\$1,185,180	\$587,786	\$597,393	\$7,467	\$589,926
	Jun-16	\$1,472,940	\$42,788	\$1,430,152	\$709,063	\$721,089	\$9,014	\$712,075
	Jul-16	\$2,009,546	\$48,407	\$1,961,140	\$802,171	\$1,158,969	\$14,487	\$1,144,482
	Aug-16	\$2,700,304	\$55,035	\$2,645,269	\$912,006	\$1,733,263	\$21,666	\$1,711,597
	Sep-16	\$2,555,227	\$52,015	\$2,503,213	\$861,957	\$1,641,256	\$20,516	\$1,620,740
	Oct-16	\$2,008,316	\$40,879	\$1,967,437	\$677,422	\$1,290,015	\$16,125	\$1,273,890
	Nov-16	\$1,854,008	\$37,724	\$1,816,284	\$625,135	\$1,191,149	\$14,889	\$1,176,260
	Dec-16	\$2,005,681	\$40,832	\$1,964,849	\$676,647	\$1,288,202	\$16,103	\$1,272,099
(2)	Jan-17	\$1,285,585	\$26,160	\$1,259,425	\$433,511	\$825,914	\$10,324	\$815,590
		\$21,938,495	\$433,571	\$21,504,923	\$8,624,755	\$12,880,168	\$161,002	\$12,719,166

(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, Pages 2 & 3, Column (b)

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

(d) Page 6, Column (b) for January 2016 - March 2016, Page 5, Column (b) for May 2016 - Dec 2016

(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, 2016 through December 31, 2016

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-16	\$3,012,537	\$94,334	\$2,918,203	\$826,406	\$3,127,256	(\$1,035,459)		\$80,251	(\$955,209)
Feb-16	\$2,736,488	\$94,246	\$2,642,242	\$571,896	\$0	\$2,070,346		\$72,662	\$2,143,008
Mar-16	\$3,084,584	\$94,356	\$2,990,228	\$435,046	\$0	\$2,555,182	(\$44,715)	\$82,231	\$2,592,699
Apr-16	\$2,761,591	\$94,356	\$2,667,235	\$467,716	\$1,719,828	\$479,691	(\$40,550)	\$73,349	\$512,490
May-16	\$3,279,626	\$94,108	\$3,185,518	\$493,967	\$0	\$2,691,551		\$87,602	\$2,779,153
Jun-16	\$3,302,067	\$69,351	\$3,232,716	\$517,528	\$0	\$2,715,187	(\$112,740)	\$88,900	\$2,691,347
Jul-16	\$3,205,553	\$69,351	\$3,136,201	\$699,082	\$2,410,488	\$26,632		\$86,246	\$112,877
Aug-16	\$3,320,444	\$69,351	\$3,251,092	\$828,072	\$0	\$2,423,020		\$89,405	\$2,512,425
Sep-16	\$2,986,077	\$62,987	\$2,923,090	\$595,564	\$0	\$2,327,526		\$80,385	\$2,407,911
Oct-16	\$2,549,618	\$63,621	\$2,485,997	\$372,663	\$1,744,289	\$369,046	(\$45,570)	\$68,365	\$391,841
Nov-16	\$2,708,011	\$63,621	\$2,644,390	\$487,150	\$0	\$2,157,241		\$72,721	\$2,229,961
Dec-16	\$3,657,036	\$63,644	\$3,593,392	\$1,246,291	\$0	\$2,347,101		\$98,818	\$2,445,919
	\$36,603,632	\$933,326	\$35,670,305	\$7,541,382	\$9,001,860	\$19,127,063	(\$243,575)	\$980,933	\$19,864,422

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, 2016 through December 31, 2016

Status of Prior Period Over(Under) Recovery

Section 1

Incurred: January 1, 2015 through December 31, 2015

Recovery Period: April 1, 2016 through March 31, 2017

	Beginning Over(Under) Recovery Balance (a)	Adjustment Factor Charge/(Credit) (b)	Uncollectible Expenses (c)	Net Recovery (d)	Over(Under) Recovery Balance (e)	Interest Balance (f)	Interest Rate (g)	Interest (h)	Over(Under) Ending Monthly Balance (i)
Jan-16	(\$9,436,608)	\$0	\$0	\$0	(\$9,436,608)	(\$9,436,608)	0.90%	(\$7,077)	(\$9,443,685)
Feb-16	(\$9,443,685)	\$0	\$0	\$0	(\$9,443,685)	(\$9,443,685)	0.93%	(\$7,319)	(\$9,451,004)
Mar-16	(\$9,451,004)	\$0	\$0	\$0	(\$9,451,004)	(\$9,451,004)	0.97%	(\$7,640)	(\$9,458,644)
Apr-16	(\$9,458,644)	\$301,615	\$3,770	\$297,845	(\$9,160,799)	(\$9,309,722)	0.87%	(\$6,750)	(\$9,167,549)
May-16	(\$9,167,549)	\$587,786	\$7,347	\$580,439	(\$8,587,110)	(\$8,877,329)	1.12%	(\$8,286)	(\$8,595,395)
Jun-16	(\$8,595,395)	\$709,063	\$8,863	\$700,199	(\$7,895,196)	(\$8,245,296)	0.96%	(\$6,596)	(\$7,901,792)
Jul-16	(\$7,901,792)	\$802,171	\$10,027	\$792,143	(\$7,109,649)	(\$7,505,721)	1.16%	(\$7,256)	(\$7,116,904)
Aug-16	(\$7,116,904)	\$912,006	\$11,400	\$900,606	(\$6,216,298)	(\$6,666,601)	1.18%	(\$6,555)	(\$6,222,854)
Sep-16	(\$6,222,854)	\$861,957	\$10,774	\$851,182	(\$5,371,672)	(\$5,797,263)	0.75%	(\$3,623)	(\$5,375,295)
Oct-16	(\$5,375,295)	\$677,422	\$8,468	\$668,954	(\$4,706,340)	(\$5,040,818)	0.82%	(\$3,445)	(\$4,709,785)
Nov-16	(\$4,709,785)	\$625,135	\$7,814	\$617,321	(\$4,092,464)	(\$4,401,124)	0.97%	(\$3,558)	(\$4,096,022)
Dec-16	(\$4,096,022)	\$676,647	\$8,458	\$668,189	(\$3,427,832)	(\$3,761,927)	1.09%	(\$3,417)	(\$3,431,249)
Jan-17	(\$3,431,249)	\$741,552	\$9,269	\$732,283	(\$2,698,967)	(\$3,065,108)	1.32%	(\$3,372)	(\$2,702,338)
Feb-17	(\$2,702,338)	\$0	\$0	\$0	(\$2,702,338)	(\$2,702,338)	1.32%	(\$2,973)	(\$2,705,311)
Mar-17	(\$2,705,311)	\$0	\$0	\$0	(\$2,705,311)	(\$2,705,311)	1.32%	(\$2,976)	(\$2,708,287)
Apr-17	(\$2,708,287)	\$0	\$0	\$0	(\$2,708,287)	(\$2,708,287)	1.32%	(\$2,979)	(\$2,711,266)

Column Descriptions:

- (a) from previous month column (h); beginning balance per Docket No. 4599 Annual Rate Filing, filed February 2016, Schedule ASC-18, page 1, Line (2); Includes additional \$694,519 in under-recovery due to overstated LTCRER revenue for the months of Jan. 2015 through April 2015 on pages 1 and 3 of Docket No. 4599 Annual Rate Filing, filed February 2016, Schedule ASC-18
- (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-16	260,012,717	\$0.00116	\$301,615
May-16	506,712,348	\$0.00116	\$587,786
Jun-16	611,260,814	\$0.00116	\$709,063
Jul-16	691,526,304	\$0.00116	\$802,171
Aug-16	786,212,317	\$0.00116	\$912,006
Sep-16	743,066,106	\$0.00116	\$861,957
Oct-16	583,984,662	\$0.00116	\$677,422
Nov-16	538,909,651	\$0.00116	\$625,135
Dec-16	583,316,761	\$0.00116	\$676,647
Jan-17	639,269,015	\$0.00116	\$741,552
Feb-17	-	\$0.00116	\$0
Mar-17	-	\$0.00116	\$0
Apr-17	-	\$0.00116	\$0

- (i) per Company revenue reports
- (j) Reconciliation Factor in effect April 1, 2016 through March 31, 2017
- (k) column (i) x column (j)

Long-Term Contracting For Renewable Energy Reconciliation
For the Period January 1, 2016 through December 31, 2016

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)	\$689,795	\$8,622	\$681,173	(\$1,401,008)	(\$1,741,594)	0.93%	(\$1,350)	(\$1,402,358)
Mar-16	(\$1,402,358)	\$686,433	\$8,580	\$677,852	(\$724,505)	(\$1,063,432)	0.97%	(\$860)	(\$725,365)
Apr-16	(\$725,365)	\$351,931	\$4,399	\$347,532	(\$377,833)	(\$551,599)	0.87%	(\$400)	(\$378,233)

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

<u>Mo/Yr</u>	<u>kWh Deliveries</u> (i)	<u>LTC Reconciliation Factor</u> (j)	<u>LTC Reconciliation Factor Rev</u> (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	610,438,311	\$0.00113	\$689,795
Mar-16	607,462,620	\$0.00113	\$686,433
Apr-16	311,443,804	\$0.00113	\$351,931

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

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
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill				
									Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	
150	\$19.16	\$12.27	\$1.31	\$32.74	\$20.05	\$11.82	\$1.33	\$33.20	\$0.89	-\$0.45	\$0.02	\$0.46	2.7%	-1.4%	0.1%	1.4%	
300	\$32.29	\$24.54	\$2.37	\$59.20	\$34.07	\$23.65	\$2.41	\$60.13	\$1.78	-\$0.89	\$0.04	\$0.93	3.0%	-1.5%	0.1%	1.6%	
400	\$41.04	\$32.72	\$3.07	\$76.83	\$43.41	\$31.53	\$3.12	\$78.06	\$2.37	-\$1.19	\$0.05	\$1.23	3.1%	-1.5%	0.1%	1.6%	
500	\$49.80	\$40.90	\$3.78	\$94.48	\$52.76	\$39.42	\$3.84	\$96.02	\$2.96	-\$1.48	\$0.06	\$1.54	3.1%	-1.6%	0.1%	1.6%	
600	\$58.55	\$49.07	\$4.48	\$112.10	\$62.10	\$47.30	\$4.56	\$113.96	\$3.55	-\$1.77	\$0.08	\$1.86	3.2%	-1.6%	0.1%	1.7%	
700	\$67.30	\$57.25	\$5.19	\$129.74	\$71.45	\$55.18	\$5.28	\$131.91	\$4.15	-\$2.07	\$0.09	\$2.17	3.2%	-1.6%	0.1%	1.7%	
1,200	\$111.07	\$98.15	\$8.72	\$217.94	\$118.17	\$94.60	\$8.87	\$221.64	\$7.10	-\$3.55	\$0.15	\$3.70	3.3%	-1.6%	0.1%	1.7%	
2,000	\$181.09	\$163.58	\$14.36	\$359.03	\$192.93	\$157.66	\$14.61	\$365.20	\$11.84	-\$5.92	\$0.25	\$6.17	3.3%	-1.6%	0.1%	1.7%	

Present Rates

Customer Charge	\$5.00
RE Growth Factor	\$0.22
LIHEAP Charge	\$0.81
Transmission Energy Charge	kWh x
Distribution Energy Charge	kWh x
Transition Energy Charge	kWh x
Energy Efficiency Program Charge	kWh x
Renewable Energy Distribution Charge	kWh x
Gross Earnings Tax	4%
Standard Offer Charge	kWh x

Proposed Rates

	\$5.00	
	\$0.22	
	\$0.81	
	\$0.03179	(2)
	\$0.04278	
	\$0.00057	(4)
	\$0.01154	
	\$0.00677	(6)
	4%	
	\$0.07883	(8)

Note (1): includes the Base Transmission Charge of 2.596¢/kWh, the Transmission Adjustment Factor of 0.074¢/kWh and the Transmission Uncollectible Factor of 0.035¢/kWh

Note (2): includes the proposed Base Transmission Charge of 3.169¢/kWh, the proposed Transmission Adjustment Factor of (0.029¢)/kWh and the proposed Transmission Uncollectible Factor of 0.039¢/kWh

Note (3): includes the current Transition Energy Charge of (0.058¢)/kWh

Note (4): includes the proposed Transition Energy Charge of 0.057¢/kWh

Note (5): includes the Net Metering Charge of 0.007¢/kWh and the Long Term Contracting for Renewable Energy Resource Charge of 0.667¢/kWh

Note (6): includes the proposed Net Metering Charge of 0.023¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.654¢/kWh

Note (7): includes the base Standard Offer Service Charge of 7.918¢/kWh, the Standard Offer Service Adjustment Charge of (0.318¢)/kWh, the Standard Offer Service Administrative Cost Factor of 0.291¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

Note (8): includes the base Standard Offer Service Charge of 7.918¢/kWh, the proposed Standard Offer Service Adjustment Charge of (0.471¢)/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.148¢/kWh and the Renewable Energy Standard Charge of 0.288¢/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
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill				
									Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	
150	\$12.14	\$12.27	\$1.02	\$25.43	\$13.03	\$11.82	\$1.04	\$25.89	\$0.89	-\$0.45	\$0.02	\$0.46	3.5%	-1.8%	0.1%	1.8%	13.7%
300	\$23.25	\$24.54	\$1.99	\$49.78	\$25.02	\$23.65	\$2.03	\$50.70	\$1.77	-\$0.89	\$0.04	\$0.92	3.6%	-1.8%	0.1%	1.8%	17.5%
400	\$30.65	\$32.72	\$2.64	\$66.01	\$33.02	\$31.53	\$2.69	\$67.24	\$2.37	-\$1.19	\$0.05	\$1.23	3.6%	-1.8%	0.1%	1.9%	11.8%
500	\$38.06	\$40.90	\$3.29	\$82.25	\$41.02	\$39.42	\$3.35	\$83.79	\$2.96	-\$1.48	\$0.06	\$1.54	3.6%	-1.8%	0.1%	1.9%	10.8%
600	\$45.47	\$49.07	\$3.94	\$98.48	\$49.02	\$47.30	\$4.01	\$100.33	\$3.55	-\$1.77	\$0.07	\$1.85	3.6%	-1.8%	0.1%	1.9%	9.4%
700	\$52.87	\$57.25	\$4.59	\$114.71	\$57.02	\$55.18	\$4.68	\$116.88	\$4.15	-\$2.07	\$0.09	\$2.17	3.6%	-1.8%	0.1%	1.9%	7.7%
1,200	\$89.90	\$98.15	\$7.84	\$195.89	\$97.01	\$94.60	\$7.98	\$199.59	\$7.11	-\$3.55	\$0.14	\$3.70	3.6%	-1.8%	0.1%	1.9%	15.0%
2,000	\$149.15	\$163.58	\$13.03	\$325.76	\$160.99	\$157.66	\$13.28	\$331.93	\$11.84	-\$5.92	\$0.25	\$6.17	3.6%	-1.8%	0.1%	1.9%	14.1%

Present Rates Proposed Rates

Customer Charge	\$0.00	\$0.00
RE Growth Factor	\$0.22	\$0.22
LIHEAP Charge	\$0.81	\$0.81
Transmission Energy Charge	kWh x	(1)
Distribution Energy Charge	kWh x	(2)
Transition Energy Charge	kWh x	(3)
Energy Efficiency Program Charge	kWh x	(4)
Renewable Energy Distribution Charge	kWh x	(5)
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x	(7)
		(8)

Note (1): includes the Base Transmission Charge of 2.596¢/kWh, the Transmission Adjustment Factor of 0.074¢/kWh and the Transmission Uncollectible Factor of 0.035¢/kWh

Note (2): includes the proposed Base Transmission Charge of 3.169¢/kWh, the proposed Transmission Adjustment Factor of (0.029¢)/kWh and the proposed Transmission Uncollectible Factor of 0.039¢/kWh

Note (3): includes the current Transition Energy Charge of (0.058¢)/kWh

Note (4): includes the proposed Transition Energy Charge of 0.057¢/kWh

Note (5): includes the Net Metering Charge of 0.007¢/kWh and the Long Term Contracting for Renewable Energy Resource Charge of 0.667¢/kWh

Note (6): includes the proposed Net Metering Charge of 0.023¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.654¢/kWh

Note (7): includes the base Standard Offer Service Charge of 7.918¢/kWh, the Standard Offer Service Adjustment Charge of (0.318¢)/kWh, the Standard Offer Service Administrative Cost Factor of 0.291¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

Note (8): includes the base Standard Offer Service Charge of 7.918¢/kWh, the proposed Standard Offer Service Adjustment Charge of (0.471¢)/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.148¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

	Present Rates				Proposed Rates				Increase (Decrease)								Percentage of Customers
									\$				% of Total Bill				
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	
Monthly kWh																	
250	\$31.63	\$20.99	\$2.19	\$54.81	\$32.61	\$19.31	\$2.16	\$54.08	\$0.98	-\$1.68	(\$0.03)	(\$0.73)	1.8%	-3.1%	-0.1%	-1.3%	35.2%
500	\$52.10	\$41.98	\$3.92	\$98.00	\$54.05	\$38.62	\$3.86	\$96.53	\$1.95	-\$3.36	(\$0.06)	(\$1.47)	2.0%	-3.4%	-0.1%	-1.5%	17.0%
1,000	\$93.04	\$83.96	\$7.38	\$184.38	\$96.94	\$77.24	\$7.26	\$181.44	\$3.90	-\$6.72	(\$0.12)	(\$2.94)	2.1%	-3.6%	-0.1%	-1.6%	19.0%
1,500	\$133.98	\$125.94	\$10.83	\$270.75	\$139.83	\$115.86	\$10.65	\$266.34	\$5.85	-\$10.08	(\$0.18)	(\$4.41)	2.2%	-3.7%	-0.1%	-1.6%	9.8%
2,000	\$174.92	\$167.92	\$14.29	\$357.13	\$182.72	\$154.48	\$14.05	\$351.25	\$7.80	-\$13.44	(\$0.24)	(\$5.88)	2.2%	-3.8%	-0.1%	-1.6%	19.1%

	Present Rates	Proposed Rates
Customer Charge	\$10.00	\$10.00
IRE Growth Factor	\$0.35	\$0.35
LIHEAP Charge	\$0.81	\$0.81
Transmission Energy Charge	\$0.02566	(1)
Distribution Energy Charge	\$0.03852	(1)
Transition Energy Charge	(\$0.00058)	(3)
Energy Efficiency Program Charge	\$0.01154	(5)
Renewable Energy Distribution Charge	\$0.00674	(5)
Gross Earnings Tax	4%	4%
Standard Offer Charge	\$0.08396	(7)
		\$0.07724

Note (1): includes the Base Transmission Charge of 2.607¢/kWh, the Transmission Adjustment Factor of (0.073¢)/kWh and the Transmission Uncollectible Factor of 0.032¢/kWh

Note (2): includes the proposed Base Transmission Charge of 3.183¢/kWh, the proposed Transmission Adjustment Factor of (0.380¢)/kWh and the proposed Transmission Uncollectible Factor of 0.035¢/kWh

Note (3): includes the current Transition Energy Charge of (0.058¢)/kWh

Note (4): includes the proposed Transition Energy Charge of 0.057¢/kWh

Note (5): includes the Net Metering Charge of 0.007¢/kWh and the Long Term Contracting for Renewable Energy Resource Charge of 0.667¢/kWh

Note (6): includes the proposed Net Metering Charge of 0.023¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.654¢/kWh

Note (7): includes the base Standard Offer Service Charge of 7,624¢/kWh, the Standard Offer Service Administrative Charge of 0.206¢/kWh, the Standard Offer Service Energy Standard Charge of 0.288¢/kWh

Note (8): includes the base Standard Offer Service Charge of 7.624¢/kWh, the proposed Standard Offer Service Adjustment Charge of (0.310¢/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.122¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

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

Hours Use: 200

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)			
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
20	\$409.42	\$335.84	\$31.05	\$776.31	\$431.02	\$308.96	\$30.83	\$770.81	\$21.60	-\$26.88	(\$0.22)	(\$5.50)
50	\$898.48	\$839.60	\$72.42	\$1,810.50	\$952.48	\$772.40	\$71.87	\$1,796.75	\$54.00	-\$67.20	(\$0.55)	(\$13.75)
100	\$1,713.58	\$1,679.20	\$141.37	\$3,534.15	\$1,821.58	\$1,544.80	\$140.27	\$3,506.65	\$108.00	-\$134.40	(\$1.10)	(\$27.50)
150	\$2,528.68	\$2,518.80	\$210.31	\$5,257.79	\$2,690.68	\$2,317.20	\$208.66	\$5,216.54	\$162.00	-\$201.60	(\$1.65)	(\$41.25)

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$3.37
LIHEAP Charge		\$0.81
Transmission Demand Charge	kW x	\$3.59
Transmission Energy Charge	kWh x	\$0.01068
Distribution Demand Charge-xcs 10 kW	kW x	\$5.58
Distribution Energy Charge	kWh x	\$0.00728
Transition Energy Charge	kWh x	(\$0.00658)
Energy Efficiency Program Charge	kWh x	\$0.01154
Renewable Energy Distribution Charge	kWh x	\$0.00674
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.08396

Proposed Rates

		\$135.00
		\$3.37
		\$0.81
	(1)	\$4.37
	(2)	\$0.01095
	(3)	\$5.58
	(4)	\$0.00733
	(5)	\$0.00057
	(6)	\$0.01154
	(7)	\$0.00677
	(8)	\$0.00677
		4%
	(9)	\$0.07724
	(10)	

Note (1): includes the current Transmission Demand Charge of \$3.59/kW

Note (2): includes the proposed Transmission Demand Charge of \$4.37/kW

Note (3): includes the Base Transmission Charge of 1.031¢/kWh, the Transmission Adjustment Factor of 0.007¢/kWh and the Transmission Uncollectible Factor of 0.030¢/kWh

Note (4): includes the proposed Base Transmission Charge of 1.269¢/kWh, the proposed Transmission Adjustment Factor of 0.205¢/kWh and the proposed Transmission Uncollectible Factor of 0.031¢/kWh

Note (5): includes the current Transition Energy Charge of (0.058¢)/kWh

Note (6): includes the proposed Transition Energy Charge of 0.057¢/kWh

Note (7): includes the Net Metering Charge of 0.007¢/kWh and the Long Term Contracting for Renewable Energy Resource Charge of 0.667¢/kWh

Note (8): includes the proposed Net Metering Charge of 0.023¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.654¢/kWh

Note (9): includes the base Standard Offer Service Charge of 7.624¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.278¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

Note (10): includes the base Standard Offer Service Charge of 7.624¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.122¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

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

Hours Use: 300

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)			
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
20 6000	\$480.74	\$503.76	\$41.02	\$1,025.52	\$505.34	\$463.44	\$40.37	\$1,009.15	\$24.60	-\$40.32	(\$0.65)	(\$16.37)
50 15000	\$1,076.78	\$1,259.40	\$97.34	\$2,433.52	\$1,138.28	\$1,158.60	\$95.70	\$2,392.58	\$61.50	-\$100.80	(\$1.64)	(\$40.94)
100 30000	\$2,070.18	\$2,518.80	\$191.21	\$4,780.19	\$2,193.18	\$2,317.20	\$187.93	\$4,698.31	\$123.00	-\$201.60	(\$3.28)	(\$81.88)
150 45000	\$3,063.58	\$3,778.20	\$285.07	\$7,126.85	\$3,248.08	\$3,475.80	\$280.16	\$7,004.04	\$184.50	-\$302.40	(\$4.91)	(\$122.81)

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$3.37
LIHEAP Charge		\$0.81
Transmission Demand Charge	kW x	\$3.59
Transmission Energy Charge	kWh x	\$0.01068
Distribution Demand Charge-xcs 10 kW	kW x	\$5.58
Distribution Energy Charge	kWh x	\$0.00728
Transition Energy Charge	kWh x	(\$0.00058)
Energy Efficiency Program Charge	kWh x	\$0.01154
Renewable Energy Distribution Charge	kWh x	\$0.00674
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.08396

Proposed Rates

		\$135.00	
		\$3.37	
		\$0.81	
	(1)	\$4.37	(2)
	(3)	\$0.01095	(4)
		\$5.58	
	(5)	\$0.00733	(6)
		\$0.00057	
	(7)	\$0.01154	(8)
		\$0.00677	
		4%	
	(9)	\$0.07724	(10)

Note (1): includes the current Transmission Demand Charge of \$3.59/kW

Note (2): includes the proposed Transmission Demand Charge of \$4.37/kW

Note (3): includes the Base Transmission Charge of 1.031¢/kWh, the Transmission Adjustment Factor of 0.007¢/kWh and the Transmission Uncollectible Factor of 0.030¢/kWh

Note (4): includes the proposed Base Transmission Charge of 1.269¢/kWh, the proposed Transmission Adjustment Factor of 0.205¢/kWh and the proposed Transmission Uncollectible Factor of 0.031¢/kWh

Note (5): includes the current Transition Energy Charge of (0.058¢)/kWh

Note (6): includes the proposed Transition Energy Charge of 0.057¢/kWh

Note (7): includes the Net Metering Charge of 0.007¢/kWh and the Long Term Contracting for Renewable Energy Resource Charge of 0.667¢/kWh

Note (8): includes the proposed Net Metering Charge of 0.023¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.654¢/kWh

Note (9): includes the base Standard Offer Service Charge of 7.624¢/kWh, the Standard Offer Service Adjustment Charge of 0.206¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.278¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

Note (10): includes the base Standard Offer Service Charge of 7.624¢/kWh, the Standard Offer Service Adjustment Charge of 0.310¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.122¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

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

Hours Use: 400

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)			
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
20 8000	\$552.06	\$671.68	\$50.99	\$1,274.73	\$579.66	\$617.92	\$49.90	\$1,247.48	\$27.60	-\$53.76	(\$1.09)	(\$27.25)
50 20000	\$1,255.08	\$1,679.20	\$122.26	\$3,056.54	\$1,324.08	\$1,544.80	\$119.54	\$2,988.42	\$69.00	-\$134.40	(\$2.72)	(\$68.12)
100 40000	\$2,426.78	\$3,358.40	\$241.05	\$6,026.23	\$2,564.78	\$3,089.60	\$235.60	\$5,889.98	\$138.00	-\$268.80	(\$5.45)	(\$136.25)
150 60000	\$3,598.48	\$5,037.60	\$359.84	\$8,995.92	\$3,805.48	\$4,634.40	\$351.66	\$8,791.54	\$207.00	-\$403.20	(\$8.18)	(\$204.38)

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$3.37
LIHEAP Charge		\$0.81
Transmission Demand Charge	kW x	\$3.59
Transmission Energy Charge	kWh x	\$0.01068
Distribution Demand Charge-xcs 10 kW	kW x	\$5.58
Distribution Energy Charge	kWh x	\$0.00728
Transition Energy Charge	kWh x	(\$0.00058)
Energy Efficiency Program Charge	kWh x	\$0.01154
Renewable Energy Distribution Charge	kWh x	\$0.00674
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.08396

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$3.37
LIHEAP Charge		\$0.81
Transmission Demand Charge	(1)	\$4.37
Transmission Energy Charge	(3)	\$0.01095
Distribution Demand Charge-xcs 10 kW	(4)	\$5.58
Distribution Energy Charge	(5)	\$0.00733
Transition Energy Charge	(6)	\$0.00057
Energy Efficiency Program Charge	(8)	\$0.01154
Renewable Energy Distribution Charge	(7)	\$0.00677
Gross Earnings Tax		4%
Standard Offer Charge	(9)	\$0.07724
	(10)	

Note (1): includes the current Transmission Demand Charge of \$3.59/kW

Note (2): includes the proposed Transmission Demand Charge of \$4.37/kW

Note (3): includes the Base Transmission Charge of 1.031¢/kWh, the Transmission Adjustment Factor of 0.007¢/kWh and the Transmission Uncollectible Factor of 0.030¢/kWh

Note (4): includes the proposed Base Transmission Charge of 1.269¢/kWh, the proposed Transmission Adjustment Factor of 0.205¢/kWh and the proposed Transmission Uncollectible Factor of 0.031¢/kWh

Note (5): includes the current Transition Energy Charge of (0.058¢)/kWh

Note (6): includes the proposed Transition Energy Charge of 0.057¢/kWh

Note (7): includes the Net Metering Charge of 0.007¢/kWh and the Long Term Contracting for Renewable Energy Resource Charge of 0.667¢/kWh

Note (8): includes the proposed Net Metering Charge of 0.023¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.654¢/kWh

Note (9): includes the base Standard Offer Service Charge of 7.624¢/kWh, the Standard Offer Service Adjustment Charge of 0.206¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.278¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

Note (10): includes the base Standard Offer Service Charge of 7.624¢/kWh, the Standard Offer Service Adjustment Charge of 0.310¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.122¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

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

Hours Use: 500

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)			
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
20	\$623.38	\$839.60	\$60.96	\$1,523.94	\$653.98	\$772.40	\$59.43	\$1,485.81	\$30.60	-\$67.20	(\$1.53)	(\$38.13)
50	\$1,433.38	\$2,099.00	\$147.18	\$3,679.56	\$1,509.88	\$1,931.00	\$143.37	\$3,584.25	\$76.50	-\$168.00	(\$3.81)	(\$95.31)
100	\$2,783.38	\$4,198.00	\$290.89	\$7,272.27	\$2,936.38	\$3,862.00	\$283.27	\$7,081.65	\$153.00	-\$336.00	(\$7.62)	(\$190.62)
150	\$4,133.38	\$6,297.00	\$434.60	\$10,864.98	\$4,362.88	\$5,793.00	\$423.16	\$10,579.04	\$229.50	-\$504.00	(\$11.44)	(\$285.94)

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$3.37
LIHEAP Charge		\$0.81
Transmission Demand Charge	kW x	\$3.59
Transmission Energy Charge	kWh x	\$0.01068
Distribution Demand Charge-xcs 10 kW	kW x	\$5.58
Distribution Energy Charge	kWh x	\$0.00728
Transition Energy Charge	kWh x	\$0.00057
Energy Efficiency Program Charge	kWh x	\$0.01154
Renewable Energy Distribution Charge	kWh x	\$0.00677
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.08396

Proposed Rates

		\$135.00	
		\$3.37	
		\$0.81	
	(1)	\$4.37	(2)
	(3)	\$0.01095	(4)
		\$5.58	
		\$0.00733	
	(5)	\$0.00057	(6)
		\$0.01154	
	(7)	\$0.00677	(8)
		4%	
	(9)	\$0.07724	(10)

Note (1): includes the current Transmission Demand Charge of \$3.59/kW

Note (2): includes the proposed Transmission Demand Charge of \$4.37/kW

Note (3): includes the Base Transmission Charge of 1.031¢/kWh, the Transmission Adjustment Factor of 0.007¢/kWh and the Transmission Uncollectible Factor of 0.030¢/kWh

Note (4): includes the proposed Base Transmission Charge of 1.269¢/kWh, the proposed Transmission Adjustment Factor of (0.205¢/kWh and the proposed Transmission Uncollectible Factor of 0.031¢/kWh

Note (5): includes the current Transition Energy Charge of (0.058¢)/kWh

Note (6): includes the proposed Transition Energy Charge of 0.057¢/kWh

Note (7): includes the Net Metering Charge of 0.007¢/kWh and the Long Term Contracting for Renewable Energy Resource Charge of 0.667¢/kWh

Note (8): includes the proposed Net Metering Charge of 0.023¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.654¢/kWh

Note (9): includes the base Standard Offer Service Charge of 7.624¢/kWh, the Standard Offer Service Adjustment Charge of 0.206¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.278¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

Note (10): includes the base Standard Offer Service Charge of 7.624¢/kWh, the Standard Offer Service Adjustment Charge of (0.310¢)/kWh, the Standard Offer Service Administrative Cost Factor of 0.122¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

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

Hours Use: 600

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)			
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
20	\$694.70	\$1,007.52	\$70.93	\$1,773.15	\$728.30	\$926.88	\$68.97	\$1,724.15	\$33.60	-\$80.64	(\$1.96)	(\$49.00)
50	\$1,611.68	\$2,518.80	\$172.10	\$4,302.58	\$1,695.68	\$2,317.20	\$167.20	\$4,180.08	\$84.00	-\$201.60	(\$4.90)	(\$122.50)
100	\$3,139.98	\$5,037.60	\$340.73	\$8,518.31	\$3,307.98	\$4,634.40	\$330.93	\$8,273.31	\$168.00	-\$403.20	(\$9.80)	(\$245.00)
150	\$4,668.28	\$7,556.40	\$509.36	\$12,734.04	\$4,920.28	\$6,951.60	\$494.66	\$12,366.54	\$252.00	-\$604.80	(\$14.70)	(\$367.50)

Present Rates

Customer Charge	\$135.00
RE Growth Factor	\$3.37
LIHEAP Charge	\$0.81
Transmission Demand Charge	\$3.59
Transmission Energy Charge	kW x \$0.01068
Distribution Demand Charge-xcs 10 kW	kW x \$5.58
Distribution Energy Charge	kWh x \$0.00728
Transition Energy Charge	kWh x (\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674
Gross Earnings Tax	4%
Standard Offer Charge	kWh x \$0.08396

Proposed Rates

Customer Charge	\$135.00
RE Growth Factor	\$3.37
LIHEAP Charge	\$0.81
Transmission Demand Charge	\$4.37 (2)
Transmission Energy Charge	kWh x \$0.01095 (4)
Distribution Demand Charge-xcs 10 kW	kWh x \$5.58
Distribution Energy Charge	kWh x \$0.00733 (6)
Transition Energy Charge	kWh x \$0.00057
Energy Efficiency Program Charge	kWh x \$0.01154 (8)
Renewable Energy Distribution Charge	kWh x \$0.00677
Gross Earnings Tax	4%
Standard Offer Charge	kWh x \$0.07724 (10)

Note (1): includes the current Transmission Demand Charge of \$3.59/kW

Note (2): includes the proposed Transmission Demand Charge of \$4.37/kW

Note (3): includes the Base Transmission Charge of 1.031¢/kWh, the Transmission Adjustment Factor of 0.007¢/kWh and the Transmission Uncollectible Factor of 0.030¢/kWh

Note (4): includes the proposed Base Transmission Charge of 1.269¢/kWh, the proposed Transmission Adjustment Factor of 0.205¢/kWh and the proposed Transmission Uncollectible Factor of 0.031¢/kWh

Note (5): includes the current Transition Energy Charge of (0.058¢)/kWh

Note (6): includes the proposed Transition Energy Charge of 0.057¢/kWh

Note (7): includes the Net Metering Charge of 0.007¢/kWh and the Long Term Contracting for Renewable Energy Resource Charge of 0.667¢/kWh

Note (8): includes the proposed Net Metering Charge of 0.023¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.654¢/kWh

Note (9): includes the base Standard Offer Service Charge of 7.624¢/kWh, the Standard Offer Service Adjustment Charge of 0.206¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.278¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

Note (10): includes the base Standard Offer Service Charge of 7.624¢/kWh, the Standard Offer Service Adjustment Charge of 0.310¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.122¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

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

Hours Use: 200

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)			
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
	\$3,078.30	\$2,999.60	\$253.25	\$6,331.15	\$3,299.90	\$3,107.60	\$266.98	\$6,674.48	\$221.60	\$108.00	\$13.73	\$343.33
200	40,000											
750	150,000											
1,000	200,000											
1,500	300,000											
2,500	500,000											

Proposed Rates

Present Rates

Customer Charge				\$825.00								
RE Growth Factor				\$24.49								
LIHEAP Charge				\$0.81								
Transmission Demand Charge				\$3.97								
Transmission Energy Charge				\$0.01047								
Distribution Demand Charge-xcs 10 kW				\$4.44								
Distribution Energy Charge				\$0.00768								
Transition Energy Charge				(\$0.00058)								
Energy Efficiency Program Charge				\$0.01154								
Renewable Energy Distribution Charge				\$0.00674								
Gross Earnings Tax				4%								
Standard Offer Charge				\$0.07499								

Note (1): includes the current Transmission Demand Charge of \$3.97/kW

Note (2): includes the proposed Transmission Demand Charge of \$4.69/kW

Note (3): includes the Base Transmission Charge of 0.905¢/kWh, the Transmission Adjustment Factor of 0.114¢/kWh and the Transmission Uncollectible Factor of 0.028¢/kWh

Note (4): includes the proposed Base Transmission Charge of 1.172¢/kWh, the proposed Transmission Adjustment Factor of (0.079¢)/kWh and the proposed Transmission Uncollectible Factor of 0.030¢/kWh

Note (5): includes the current Transition Energy Charge of (0.058¢)/kWh

Note (6): includes the proposed Transition Energy Charge of 0.057¢/kWh

Note (7): includes the Net Metering Charge of 0.007¢/kWh and the Long Term Contracting for Renewable Energy Resource Charge of 0.667¢/kWh

Note (8): includes the proposed Net Metering Charge of 0.023¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.654¢/kWh

Note (9): includes the base Standard Offer Service Charge of 7.866¢/kWh, the Standard Offer Service Adjustment Charge of (1.014¢)/kWh, the Standard Offer Service Administrative Cost Factor of 0.359¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

Note (10): includes the base Standard Offer Service Charge of 7.866¢/kWh, the proposed Standard Offer Service Adjustment Charge of (0.507¢)/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.122¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

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

Hours Use: 300

Monthly Power kW kWh	Present Rates				Proposed Rates				Increase (Decrease)			
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
200	\$3,795.30	\$4,499.40	\$345.61	\$8,640.31	\$4,055.70	\$4,661.40	\$363.21	\$9,080.31	\$260.40	\$162.00	\$17.60	\$440.00
750	\$14,336.05	\$16,872.75	\$1,300.37	\$32,509.17	\$15,312.55	\$17,480.25	\$1,366.37	\$34,159.17	\$976.50	\$607.50	\$66.00	\$1,650.00
1,000	\$19,127.30	\$22,497.00	\$1,734.35	\$43,358.65	\$20,429.30	\$23,307.00	\$1,822.35	\$45,558.65	\$1,302.00	\$810.00	\$88.00	\$2,200.00
1,500	\$28,709.80	\$33,745.50	\$2,602.30	\$65,057.60	\$30,662.80	\$34,960.50	\$2,734.30	\$68,357.60	\$1,953.00	\$1,215.00	\$132.00	\$3,300.00
2,500	\$47,874.80	\$56,242.50	\$4,338.22	\$108,455.52	\$51,129.80	\$58,267.50	\$4,558.22	\$113,955.52	\$3,255.00	\$2,025.00	\$220.00	\$5,500.00

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$24.49
LIHEAP Charge		\$0.81
Transmission Demand Charge	kW x	\$3.97
Transmission Energy Charge	kWh x	\$0.01047
Distribution Demand Charge-xcs 10 kW	kW x	\$4.44
Distribution Energy Charge	kWh x	\$0.00768
Transition Energy Charge	kWh x	(\$0.00058)
Energy Efficiency Program Charge	kWh x	\$0.01154
Renewable Energy Distribution Charge	kWh x	\$0.00677
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.07499
		(10)

Note (1): includes the current Transmission Demand Charge of \$3.97/kW

Note (2): includes the proposed Transmission Demand Charge of \$4.69/kW

Note (3): includes the Base Transmission Charge of 0.905¢/kWh, the Transmission Adjustment Factor of 0.114¢/kWh and the Transmission Uncollectible Factor of 0.028¢/kWh

Note (4): includes the proposed Base Transmission Charge of 1.172¢/kWh, the proposed Transmission Adjustment Factor of (0.079¢)/kWh and the proposed Transmission Uncollectible Factor of 0.030¢/kWh

Note (5): includes the current Transition Energy Charge of (0.058¢)/kWh

Note (6): includes the proposed Transition Energy Charge of 0.057¢/kWh

Note (7): includes the Net Metering Charge of 0.007¢/kWh and the Long Term Contracting for Renewable Energy Resource Charge of 0.667¢/kWh

Note (8): includes the proposed Net Metering Charge of 0.023¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.654¢/kWh

Note (9): includes the base Standard Offer Service Charge of 7.866¢/kWh, the Standard Offer Service Adjustment Charge of (1.014¢)/kWh, the Standard Offer Service Administrative Cost Factor of 0.359¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

Note (10): includes the base Standard Offer Service Charge of 7.866¢/kWh, the proposed Standard Offer Service Adjustment Charge of (0.507¢)/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.122¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

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

Hours Use: 400

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)			
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
200	\$4,512.30	\$5,999.20	\$437.98	\$10,949.48	\$4,811.50	\$6,215.20	\$459.45	\$11,486.15	\$299.20	\$2,160.00	\$21.47	\$536.67
750	\$17,024.80	\$22,497.00	\$1,646.74	\$41,168.54	\$18,146.80	\$23,307.00	\$1,727.24	\$43,181.04	\$1,122.00	\$8,100.00	\$80.50	\$2,012.50
1,000	\$22,712.20	\$29,996.00	\$2,196.18	\$54,904.48	\$24,208.30	\$31,076.00	\$2,303.51	\$57,587.81	\$1,496.00	\$1,080.00	\$107.33	\$2,683.33
1,500	\$34,087.50	\$44,994.00	\$3,295.05	\$82,376.55	\$36,331.30	\$46,614.00	\$3,456.05	\$86,401.35	\$2,244.00	\$1,620.00	\$161.00	\$4,025.00
2,500	\$56,837.50	\$74,990.00	\$5,492.80	\$137,320.10	\$60,577.30	\$77,690.00	\$5,761.14	\$144,028.44	\$3,740.00	\$2,700.00	\$268.34	\$6,708.34

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$24.49
LJHEAP Charge		\$0.81
Transmission Demand Charge	kW x	\$3.97
Transmission Energy Charge	kWh x	\$0.01047
Distribution Demand Charge-xcs 10 kW	kW x	\$4.44
Distribution Energy Charge	kWh x	\$0.00768
Transition Energy Charge	kWh x	(\$0.00058)
Energy Efficiency Program Charge	kWh x	\$0.01154
Renewable Energy Distribution Charge	kWh x	\$0.00677
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.07499
		(9)
		\$0.07769
		(10)

Note (1): includes the current Transmission Demand Charge of \$3.97/kW

Note (2): includes the proposed Transmission Demand Charge of \$4.69/kW

Note (3): includes the Base Transmission Charge of 0.905¢/kWh, the Transmission Adjustment Factor of 0.114¢/kWh and the Transmission Uncollectible Factor of 0.028¢/kWh

Note (4): includes the proposed Base Transmission Charge of 1.172¢/kWh, the proposed Transmission Adjustment Factor of (0.079¢)/kWh and the proposed Transmission Uncollectible Factor of 0.030¢/kWh

Note (5): includes the current Transition Energy Charge of (0.058¢)/kWh

Note (6): includes the proposed Transition Energy Charge of 0.057¢/kWh

Note (7): includes the Net Metering Charge of 0.007¢/kWh and the Long Term Contracting for Renewable Energy Resource Charge of 0.667¢/kWh

Note (8): includes the proposed Net Metering Charge of 0.023¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.654¢/kWh

Note (9): includes the base Standard Offer Service Charge of 7.866¢/kWh, the Standard Offer Service Adjustment Charge of (1.014¢)/kWh, the Standard Offer Service Administrative Cost Factor of 0.359¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

Note (10): includes the base Standard Offer Service Charge of 7.866¢/kWh, the proposed Standard Offer Service Adjustment Charge of (0.507¢)/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.122¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

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

Hours Use: 500

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)			
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
200	\$5,229.30	\$7,499.00	\$530.35	\$13,258.65	\$5,567.30	\$7,769.00	\$555.68	\$13,891.98	\$338.00	\$270.00	\$25.33	\$633.33
750	\$19,713.55	\$28,121.25	\$1,993.12	\$49,827.92	\$20,981.05	\$29,133.75	\$2,088.12	\$52,202.92	\$1,267.50	\$1,012.50	\$95.00	\$2,375.00
1,000	\$26,297.30	\$37,495.00	\$2,658.01	\$66,450.31	\$27,987.30	\$38,845.00	\$2,784.68	\$69,616.98	\$1,690.00	\$1,350.00	\$126.67	\$3,166.67
1,500	\$39,464.80	\$56,242.50	\$3,987.80	\$99,695.10	\$41,999.80	\$58,267.50	\$4,177.80	\$104,445.10	\$2,535.00	\$2,025.00	\$190.00	\$4,750.00
2,500	\$65,799.80	\$93,737.50	\$6,647.39	\$166,184.69	\$70,024.80	\$97,112.50	\$6,964.05	\$174,101.35	\$4,225.00	\$3,375.00	\$316.66	\$7,916.66

Present Rates

Customer Charge		\$825.00
RE Growth Factor		\$24.49
LIHEAP Charge		\$0.81
Transmission Demand Charge	kW x	\$3.97
Transmission Energy Charge	kWh x	\$0.01047
Distribution Demand Charge-xcs 10 kW	kW x	\$4.44
Distribution Energy Charge	kWh x	\$0.00768
Transition Energy Charge	kWh x	(\$0.00058)
Energy Efficiency Program Charge	kWh x	\$0.01154
Renewable Energy Distribution Charge	kWh x	\$0.00674

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.07499 (9)

\$0.07769 (10)

Note (1): includes the current Transmission Demand Charge of \$3.97/kW

Note (2): includes the proposed Transmission Demand Charge of \$4.69/kW

Note (3): includes the Base Transmission Charge of 0.905¢/kWh, the Transmission Adjustment Factor of 0.114¢/kWh and the Transmission Uncollectible Factor of 0.028¢/kWh

Note (4): includes the proposed Base Transmission Charge of 1.172¢/kWh, the proposed Transmission Adjustment Factor of (0.079¢/kWh and the proposed Transmission Uncollectible Factor of 0.030¢/kWh

Note (5): includes the current Transition Energy Charge of (0.058¢)/kWh

Note (6): includes the proposed Transition Energy Charge of 0.057¢/kWh

Note (7): includes the Net Metering Charge of 0.007¢/kWh and the Long Term Contracting for Renewable Energy Resource Charge of 0.667¢/kWh

Note (8): includes the proposed Net Metering Charge of 0.023¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.654¢/kWh

Note (9): includes the base Standard Offer Service Charge of 7.866¢/kWh, the Standard Offer Service Adjustment Charge of (1.014¢)/kWh, the Standard Offer Service Administrative Cost Factor of 0.359¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

Note (10): includes the base Standard Offer Service Charge of 7.866¢/kWh, the proposed Standard Offer Service Adjustment Charge of (0.507¢)/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.122¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

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

Hours Use: 600

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)			
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
200	\$5,946.30	\$8,998.80	\$622.71	\$15,567.81	\$6,323.10	\$9,322.80	\$651.91	\$16,297.81	\$376.80	\$324.00	\$29.20	\$730.00
750	\$22,402.30	\$33,745.50	\$2,339.49	\$58,487.29	\$23,815.30	\$34,960.50	\$2,448.99	\$61,224.79	\$1,413.00	\$1,215.00	\$109.50	\$2,737.50
1,000	\$29,882.30	\$44,994.00	\$3,119.85	\$77,996.15	\$31,766.30	\$46,614.00	\$3,265.85	\$81,646.15	\$1,884.00	\$1,620.00	\$146.00	\$3,650.00
1,500	\$44,842.30	\$67,491.00	\$4,680.55	\$117,013.85	\$47,668.30	\$69,921.00	\$4,899.55	\$122,488.85	\$2,826.00	\$2,430.00	\$219.00	\$5,475.00
2,500	\$74,762.30	\$112,485.00	\$7,801.97	\$195,049.27	\$79,472.30	\$116,535.00	\$8,166.97	\$204,174.27	\$4,710.00	\$4,050.00	\$365.00	\$9,125.00

Present Rates

Customer Charge	\$825.00
RE Growth Factor	\$24.49
LIHEAP Charge	\$0.81
Transmission Demand Charge	kW x \$3.97
Transmission Energy Charge	kWh x \$0.01047
Distribution Demand Charge-xcs 10 kW	kW x \$4.44
Distribution Energy Charge	kWh x \$0.00768
Transition Energy Charge	kWh x (\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00677

Gross Earnings Tax 4%

Standard Offer Charge

\$0.07769 (10)

Note (1): includes the current Transmission Demand Charge of \$3.97/kW

Note (2): includes the proposed Transmission Demand Charge of \$4.69/kW

Note (3): includes the Base Transmission Charge of 0.905¢/kWh, the Transmission Adjustment Factor of 0.114¢/kWh and the Transmission Uncollectible Factor of 0.028¢/kWh

Note (4): includes the proposed Base Transmission Charge of 1.172¢/kWh, the proposed Transmission Adjustment Factor of (0.079¢)/kWh and the proposed Transmission Uncollectible Factor of 0.030¢/kWh

Note (5): includes the current Transition Energy Charge of (0.058¢)/kWh

Note (6): includes the proposed Transition Energy Charge of 0.057¢/kWh

Note (7): includes the Net Metering Charge of 0.007¢/kWh and the Long Term Contracting for Renewable Energy Resource Charge of 0.667¢/kWh

Note (8): includes the proposed Net Metering Charge of 0.023¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.654¢/kWh

Note (9): includes the base Standard Offer Service Charge of 7.866¢/kWh, the Standard Offer Service Adjustment Charge of (1.014¢)/kWh, the Standard Offer Service Administrative Cost Factor of 0.359¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

Note (10): includes the base Standard Offer Service Charge of 7.866¢/kWh, the proposed Standard Offer Service Adjustment Charge of (0.507¢)/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.122¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

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

Hours Use: 200

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)			
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
	% of Total Bill				% of Total Bill				% of Total Bill			
3,000	\$58,520.11	\$44,994.00	\$4,313.09	\$107,827.20	\$60,644.11	\$46,614.00	\$4,469.09	\$111,727.20	\$2,124.00	\$1,620.00	\$156.00	\$3,900.00
5,000	\$85,840.11	\$74,990.00	\$6,701.25	\$167,531.36	\$89,380.11	\$77,690.00	\$6,961.25	\$174,031.36	\$3,540.00	\$2,700.00	\$260.00	\$6,500.00
7,500	\$119,990.11	\$112,485.00	\$9,686.46	\$242,161.57	\$125,300.11	\$116,535.00	\$10,076.46	\$251,911.57	\$5,310.00	\$4,050.00	\$390.00	\$9,750.00
10,000	\$154,140.11	\$149,980.00	\$12,671.67	\$316,791.78	\$161,220.11	\$155,380.00	\$13,191.67	\$329,791.78	\$7,080.00	\$5,400.00	\$520.00	\$13,000.00
20,000	\$290,740.11	\$299,960.00	\$24,612.50	\$615,312.61	\$304,900.11	\$310,760.00	\$25,652.50	\$641,312.61	\$14,160.00	\$10,800.00	\$1,040.00	\$26,000.00

Proposed Rates

Present Rates		Proposed Rates	
Customer Charge	\$17,000.00		
RE Growth Factor	\$539.30		
LJHEAP Charge	\$0.81		
Transmission Demand Charge	\$3.22	kW x	(2)
Transmission Energy Charge	\$0.01378	kWh x	(4)
Distribution Demand Charge-xcs 10 kW	\$3.81	kW x	
Distribution Energy Charge	\$0.00167	kWh x	
Transition Energy Charge	(\$0.00058)	kWh x	(6)
Energy Efficiency Program Charge	\$0.01154	kWh x	
Renewable Energy Distribution Charge	\$0.00674	kWh x	(8)
Gross Earnings Tax	4%		
Standard Offer Charge	\$0.07499	kWh x	(10)

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

Note (2): includes the proposed Transmission Demand Charge of \$3.40/kW

Note (3): includes the Base Transmission Charge of 1.114¢/kWh, the Transmission Adjustment Factor of 0.236¢/kWh and the Transmission Uncollectible Factor of 0.028¢/kWh

Note (4): includes the proposed Base Transmission Charge of 1.426¢/kWh, the proposed Transmission Adjustment Factor of 0.066¢/kWh and the proposed Transmission Uncollectible Factor of 0.032¢/kWh

Note (5): includes the current Transition Energy Charge of (0.058¢)/kWh

Note (6): includes the proposed Transition Energy Charge of 0.057¢/kWh

Note (7): includes the Net Metering Charge of 0.007¢/kWh and the Long Term Contracting for Renewable Energy Resource Charge of 0.667¢/kWh

Note (8): includes the proposed Net Metering Charge of 0.023¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.654¢/kWh

Note (9): includes the base Standard Offer Service Charge of 7.866¢/kWh, the Standard Offer Service Adjustment Charge of (1.014¢)/kWh, the Standard Offer Service Administrative Cost Factor of 0.359¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

Note (10): includes the base Standard Offer Service Charge of 7.866¢/kWh, the proposed Standard Offer Service Adjustment Charge of (0.507¢)/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.122¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

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

Hours Use: 300

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)			
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
3,000	\$68,465.11	\$67,491.00	\$5,664.84	\$141,620.95	\$71,381.11	\$69,921.00	\$5,887.59	\$147,189.70	\$2,916.00	\$2,430.00	\$222.75	\$5,568.75
5,000	\$102,415.11	\$112,485.00	\$8,954.17	\$223,854.28	\$107,275.11	\$116,535.00	\$9,325.42	\$233,135.53	\$4,860.00	\$4,050.00	\$371.25	\$9,281.25
7,500	\$144,852.61	\$168,727.50	\$13,065.84	\$326,645.95	\$152,142.61	\$174,802.50	\$13,022.71	\$340,567.82	\$7,290.00	\$6,075.00	\$556.87	\$13,921.87
10,000	\$187,290.11	\$224,970.00	\$17,177.50	\$429,437.61	\$197,010.11	\$233,070.00	\$17,920.00	\$448,000.11	\$9,720.00	\$8,100.00	\$742.50	\$18,562.50
20,000	\$357,040.11	\$449,940.00	\$33,624.17	\$840,604.28	\$376,480.11	\$466,140.00	\$35,109.17	\$877,729.28	\$19,440.00	\$16,200.00	\$1,485.00	\$37,125.00

Present Rates

Customer Charge	\$17,000.00
RE Growth Factor	\$539.30
LJHEAP Charge	\$0.81
Transmission Demand Charge	kW x \$3.22 (1)
Transmission Energy Charge	kWh x \$0.01378 (3)
Distribution Demand Charge-xcs 10 kW	kW x \$3.81
Distribution Energy Charge	kWh x \$0.00167
Transition Energy Charge	kWh x (\$0.00058) (5)
Energy Efficiency Program Charge ⁱ	kWh x \$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00677 (7)
Gross Earnings Tax	4%
Standard Offer Charge	kWh x \$0.07499 (9)

Proposed Rates

	\$17,000.00
	\$539.30
	\$0.81
	\$3.40 (2)
	\$0.01524 (4)
	\$3.81
	\$0.00167
	\$0.00057 (6)
	\$0.01154
	\$0.00677 (8)
	4%
	\$0.07769 (10)

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

Note (2): includes the proposed Transmission Demand Charge of \$3.40/kW

Note (3): includes the Base Transmission Charge of 1.114¢/kWh, the Transmission Adjustment Factor of 0.236¢/kWh and the Transmission Uncollectible Factor of 0.028¢/kWh

Note (4): includes the proposed Base Transmission Charge of 1.426¢/kWh, the proposed Transmission Adjustment Factor of 0.066¢/kWh and the proposed Transmission Uncollectible Factor of 0.032¢/kWh

Note (5): includes the current Transition Energy Charge of (0.058¢)/kWh

Note (6): includes the proposed Transition Energy Charge of 0.057¢/kWh

Note (7): includes the Net Metering Charge of 0.007¢/kWh and the Long Term Contracting for Renewable Energy Resource Charge of 0.667¢/kWh

Note (8): includes the proposed Net Metering Charge of 0.023¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.654¢/kWh

Note (9): includes the base Standard Offer Service Charge of 7.866¢/kWh, the Standard Offer Service Adjustment Charge of (1.014¢)/kWh, the Standard Offer Service Administrative Cost Factor of 0.359¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

Note (10): includes the base Standard Offer Service Charge of 7.866¢/kWh, the proposed Standard Offer Service Adjustment Charge of (0.507¢)/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.122¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

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

Hours Use: 400

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)			
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
3,000	\$78,410.11	\$89,988.00	\$7,016.59	\$175,414.70	\$82,118.11	\$93,228.00	\$7,306.09	\$182,652.20	\$3,708.00	\$3,240.00	\$289.50	\$7,237.50
5,000	\$118,990.11	\$149,980.00	\$11,207.09	\$280,177.20	\$125,170.11	\$155,380.00	\$11,689.59	\$292,239.70	\$6,180.00	\$5,400.00	\$482.50	\$12,062.50
7,500	\$169,715.11	\$224,970.00	\$16,445.21	\$411,130.32	\$178,985.11	\$233,070.00	\$17,168.96	\$429,224.07	\$9,270.00	\$8,100.00	\$723.75	\$18,093.75
10,000	\$220,440.11	\$299,960.00	\$21,683.34	\$542,083.45	\$222,800.11	\$310,760.00	\$22,648.34	\$556,208.45	\$12,360.00	\$10,800.00	\$965.00	\$24,125.00
20,000	\$423,340.11	\$599,920.00	\$42,635.84	\$1,065,895.95	\$448,060.11	\$621,520.00	\$44,565.84	\$1,114,145.95	\$24,720.00	\$21,600.00	\$1,930.00	\$48,250.00

Present Rates

Customer Charge	\$17,000.00
RE Growth Factor	\$539.30
LIHEAP Charge	\$0.81
Transmission Demand Charge	kW x \$3.22
Transmission Energy Charge	kWh x \$0.01378
Distribution Demand Charge-xcs 10 kW	kW x \$3.81
Distribution Energy Charge	kWh x \$0.00167
Transition Energy Charge	kWh x (\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674
Gross Earnings Tax	4%
Standard Offer Charge	kWh x \$0.07499

Proposed Rates

	\$17,000.00	
	\$539.30	
	\$0.81	
	\$3.40	(2)
	\$0.01524	(4)
	\$3.81	
	\$0.00167	
	\$0.00057	(6)
	\$0.01154	
	\$0.00677	(8)
	4%	
	\$0.07769	(10)

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

Note (2): includes the proposed Transmission Demand Charge of \$3.40/KW

Note (3): includes the Base Transmission Charge of 1.114¢/kWh, the Transmission Adjustment Factor of 0.236¢/kWh and the Transmission Uncollectible Factor of 0.028¢/kWh

Note (4): includes the proposed Base Transmission Charge of 1.42¢/kWh, the proposed Transmission Adjustment Factor of 0.066¢/kWh and the proposed Transmission Uncollectible Factor of 0.032¢/kWh

Note (5): includes the current Transition Energy Charge of 0.058¢/kWh

Note (6): includes the proposed Transition Energy Charge of 0.057¢/kWh

Note (7): includes the Net Metering Charge of 0.007¢/kWh and the Long Term Contracting for Renewable Energy Resource Charge of 0.667¢/kWh

Note (8): includes the proposed Net Metering Charge of 0.023¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.654¢/kWh

Note (9): includes the base Standard Offer Service Charge of 7.866¢/kWh, the Standard Offer Service Adjustment Charge of 1.014¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.359¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

Note (10): includes the base Standard Offer Service Charge of 7.866¢/kWh, the proposed Standard Offer Service Adjustment Charge of 0.507¢/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.122¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

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

Hours Use: 500

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)			
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
3,000	\$88,355.11	\$112,485.00	\$8,365.34	\$209,208.45	\$92,855.11	\$116,535.00	\$8,724.59	\$218,114.70	\$4,500.00	\$4,050.00	\$356.25	\$8,906.25
5,000	\$135,565.11	\$187,475.00	\$13,460.00	\$336,500.11	\$143,065.11	\$194,225.00	\$14,053.75	\$351,343.86	\$7,500.00	\$6,750.00	\$593.75	\$14,843.75
7,500	\$194,577.61	\$281,212.50	\$19,824.59	\$495,614.70	\$205,827.61	\$291,337.50	\$20,715.21	\$517,880.32	\$11,250.00	\$10,125.00	\$890.62	\$22,265.62
10,000	\$253,590.11	\$374,950.00	\$26,189.17	\$654,729.28	\$268,590.11	\$388,450.00	\$27,376.67	\$684,416.78	\$15,000.00	\$13,500.00	\$1,187.50	\$29,687.50
20,000	\$489,640.11	\$749,900.00	\$51,647.50	\$1,291,187.61	\$519,640.11	\$776,900.00	\$54,022.50	\$1,350,562.61	\$30,000.00	\$27,000.00	\$2,375.00	\$59,375.00

Present Rates

Customer Charge	\$17,000.00
RE Growth Factor	\$539.30
LIHEAP Charge	\$0.81
Transmission Demand Charge	kW x \$3.22
Transmission Energy Charge	kWh x \$0.01378
Distribution Demand Charge-xcs 10 kW	kW x \$3.81
Distribution Energy Charge	kWh x \$0.00167
Transition Energy Charge	kWh x (\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00677
Gross Earnings Tax	4%
Standard Offer Charge	kWh x \$0.07699

Proposed Rates

	\$17,000.00
	\$539.30
	\$0.81
	kW x \$3.40 (2)
	kWh x \$0.01524 (4)
	kWh x \$3.81
	kWh x \$0.00167
	kWh x \$0.00057 (6)
	kWh x \$0.01154
	kWh x \$0.00677 (8)
	4%
	kWh x \$0.07769 (10)

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

Note (2): includes the proposed Transmission Demand Charge of \$3.40/kW

Note (3): includes the Base Transmission Charge of 1.114¢/kWh, the Transmission Adjustment Factor of 0.236¢/kWh and the Transmission Uncollectible Factor of 0.028¢/kWh

Note (4): includes the proposed Base Transmission Charge of 1.42¢/kWh, the proposed Transmission Adjustment Factor of 0.066¢/kWh and the proposed Transmission Uncollectible Factor of 0.032¢/kWh

Note (5): includes the current Transition Energy Charge of 0.058¢/kWh

Note (6): includes the proposed Transition Energy Charge of 0.057¢/kWh

Note (7): includes the Net Metering Charge of 0.007¢/kWh and the Long Term Contracting for Renewable Energy Resource Charge of 0.667¢/kWh

Note (8): includes the proposed Net Metering Charge of 0.023¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.654¢/kWh

Note (9): includes the base Standard Offer Service Charge of 7.866¢/kWh, the Standard Offer Service Adjustment Charge of 1.014¢/kWh, the Standard Offer Service Administrative Cost Factor of 0.359¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

Note (10): includes the base Standard Offer Service Charge of 7.866¢/kWh, the proposed Standard Offer Service Adjustment Charge of 0.507¢/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.122¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

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

Hours Use: 600

Monthly Power kW	Present Rates				Proposed Rates				Increase (Decrease)			
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
3,000	\$98,300.11	\$134,982.00	\$9,720.09	\$243,002.20	\$103,592.11	\$139,842.00	\$10,143.09	\$253,577.20	\$5,292.00	\$4,860.00	\$423.00	\$10,575.00
5,000	\$152,140.11	\$224,970.00	\$15,712.92	\$392,823.03	\$160,960.11	\$233,070.00	\$16,417.92	\$410,448.03	\$8,820.00	\$8,100.00	\$705.00	\$17,625.00
7,500	\$219,440.11	\$337,455.00	\$23,203.96	\$580,099.07	\$232,670.11	\$349,605.00	\$24,261.46	\$606,536.57	\$13,230.00	\$12,150.00	\$1,057.50	\$26,437.50
10,000	\$286,740.11	\$449,940.00	\$30,695.00	\$767,375.11	\$304,380.11	\$466,140.00	\$32,105.00	\$802,625.11	\$17,640.00	\$16,200.00	\$1,410.00	\$35,250.00
20,000	\$555,940.11	\$899,880.00	\$60,659.17	\$1,516,479.28	\$591,220.11	\$932,280.00	\$63,479.17	\$1,586,979.28	\$35,280.00	\$32,400.00	\$2,820.00	\$70,500.00

Present Rates		Proposed Rates	
Customer Charge	\$17,000.00		
RE Growth Factor	\$539.30		
LIHEAP Charge	\$0.81		
Transmission Demand Charge	kW x \$3.22	(1)	(2)
Transmission Energy Charge	kWh x \$0.01378	(3)	(4)
Distribution Demand Charge-xcs 10 kW	kW x \$3.81		
Distribution Energy Charge	kWh x \$0.00167		
Transition Energy Charge	kWh x (\$0.00058)	(5)	(6)
Energy Efficiency Program Charge	kWh x \$0.01154		
Renewable Energy Distribution Charge	kWh x \$0.00677	(7)	(8)
Gross Earnings Tax	4%		
Standard Offer Charge	kWh x \$0.07499	(9)	(10)

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

Note (2): includes the proposed Transmission Demand Charge of \$3.40/kW

Note (3): includes the Base Transmission Charge of 1.114¢/kWh, the Transmission Adjustment Factor of 0.236¢/kWh and the Transmission Uncollectible Factor of 0.028¢/kWh

Note (4): includes the proposed Base Transmission Charge of 1.42¢/kWh, the proposed Transmission Adjustment Factor of 0.066¢/kWh and the proposed Transmission Uncollectible Factor of 0.032¢/kWh

Note (5): includes the current Transition Energy Charge of 0.058¢/kWh

Note (6): includes the proposed Transition Energy Charge of 0.057¢/kWh

Note (7): includes the Net Metering Charge of 0.007¢/kWh and the Long Term Contracting for Renewable Energy Resource Charge of 0.667¢/kWh

Note (8): includes the proposed Net Metering Charge of 0.023¢/kWh and the proposed Long Term Contracting for Renewable Energy Resource Charge of 0.654¢/kWh

Note (9): includes the base Standard Offer Service Charge of 7.86¢/kWh, the Standard Offer Service Adjustment Charge of (1.014¢)/kWh, the Standard Offer Service Administrative Cost Factor of 0.359¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

Note (10): includes the base Standard Offer Service Charge of 7.86¢/kWh, the proposed Standard Offer Service Adjustment Charge of (0.507¢)/kWh, the proposed Standard Offer Service Administrative Cost Factor of 0.122¢/kWh and the Renewable Energy Standard Charge of 0.288¢/kWh

**Testimony of
Tiffany M. Forsyth**

**THE NARRAGANSETT ELECTRIC COMPANY
D/B/A NATIONAL GRID
RIPUC DOCKET NO. 4691
2017 RETAIL RATE FILING
WITNESS: TIFFANY M. FORSYTH**

PRE-FILED DIRECT TESTIMONY

OF

TIFFANY M. FORSYTH

**THE NARRAGANSETT ELECTRIC COMPANY
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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 twelve 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 that impact the Company, including the Company's current Transmission Service Cost Adjustment docket that's pending before the Rhode Island Public Utilities Commission (PUC).

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

3 A. Yes, I have submitted pre-filed testimony before the PUC in Dockets 4485 and 4599.
4

5 **II. Purpose of Testimony**

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

7 A. My testimony addresses the Company's estimated 2017 transmission expenses, including
8 administrative expenses charged to the Company by ISO New England Inc (ISO-NE).
9 First, I will summarize the various transmission services provided to Narragansett and
10 how Narragansett pays for such services. Second, I will provide testimony supporting the
11 forecast of transmission expenses that Narragansett is expected to incur in 2017, which is
12 summarized in Schedule TMF-1. As described more fully in the second part of my
13 testimony, the Company expects to see an increase of \$34,570,597 in prospective
14 transmission expenses compared to the forecast provided for calendar year 2016 in PUC
15 Docket Nos. 4599 and 4556.
16

17 **III. Summary of Transmission Services Provided to Narragansett**

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

20 A. Effective January 1, 1998, Narragansett began receiving transmission services on behalf
21 of its entire customer base under two tariffs: NEPOOL's FERC Electric Tariff No. 1

1 (NEPOOL Tariff) and NEP's FERC Electric Tariff No. 9 (NEP T-9 Tariff).

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

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

11
12 Therefore, the prospective charges to the Company are separately identified as (1) NEP
13 local charges, (2) ISO-NE regional charges (formerly NEPOOL), and (3) ISO-NE
14 administrative charges.

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

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

1 Tariff. Additionally, ISO-NE provides transmission scheduling and market
2 administration services 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, as described in detail later in this testimony, the
11 ISO/RTO Tariff provides for Blackstart, Reactive Power and Scheduling, System Control
12 and Dispatch Services.

13
14 **Q. How are the costs for RNS recovered?**

15 A. The ISO-NE RNS Rate (RNS Rate) recovers the aggregate revenue requirement for
16 certain PTF facilities owned by transmission owners in New England. The RNS Rate is
17 determined annually in accordance with a FERC-approved formula. Pursuant to a
18 NEPOOL Settlement dated April 7, 1999, which was incorporated into the ISO/RTO
19 Tariff, the RNS Rate has transitioned from zonal rates to a single, "postage stamp" rate in
20 New England.

1 **Q. Please describe the ISO-NE Blackstart, Reactive Power and Scheduling, System**
2 **Control and Dispatch Services that are included in the ISO/RTO Tariff.**

3 A. ISO-NE Blackstart Service, also known as System Restoration and Planning Service from
4 Generators, is necessary to ensure the continued reliable operation of the New England
5 transmission system. This service allows for the designation of generators with the
6 capability of supplying load and ability to start without an outside electrical supply to re-
7 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 Finally, Scheduling, System Control and Dispatch Service (Scheduling & Dispatch
19 Service) includes the services required to schedule the movement of power through, out
20 of, within, or into the ISO-NE Control Area over the PTF and to maintain system control.

1 Scheduling & Dispatch Service also provides for the recovery of certain charges that
2 reflect expenses incurred in the operation of satellite dispatch centers.

3
4 **Q. How are the ISO-NE charges for Blackstart and Reactive Power services charged to**
5 **Narragansett?**

6 A. Each month, ISO-NE assesses charges for Blackstart and Reactive Power services to
7 Narragansett based on Narragansett's proportionate share of the Regional Network Load
8 to ISO-NE's total Regional Network Load. The monthly Blackstart charge includes
9 Critical Infrastructure Protection (CIP) payments applicable to Blackstart generators.
10 CIP payments are made to existing Blackstart generators based upon proxy costs in
11 compliance with the CIP standards of the North American Electric Reliability Corporation
12 (NERC). Blackstart CIP payments are applicable to Blackstart 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-related costs. The
15 allocation of ISO-NE's total Blackstart CIP costs to Narragansett is based similarly on
16 Narragansett's proportionate share of the total Regional Network Load.

17
18 **Q. How are the charges for Scheduling & Dispatch Service charged 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 ISO/RTO Tariff. These costs are allocated to
3 Narragansett each month based on the FERC-approved fixed rate for the month
4 multiplied by Narragansett's monthly Regional 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 ISO/RTO Tariff. These costs
9 are allocated to Narragansett each month based on a formula rate that is determined each
10 year based on the prior year's costs incurred multiplied by Narragansett's monthly
11 Regional 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 ISO/RTO Tariff. Thus,
15 there are three types of Scheduling & Dispatch Service costs that are similar, but which
16 are charged to 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 to Narragansett under Section IV.A of the ISO/RTO
21 Tariff under Schedule 1, Schedule 2, Schedule 3, Schedule 4, and Schedule 5. As

described above, Schedule 1 provides for one component of the administration of Scheduling & Dispatch. Schedule 2 Energy Administrative Service includes the core operation of the energy market, generation dispatch, and energy accounting. Schedule 3 Reliability Administrative Service administers the reliability markets and provides other reliability and informational services. Schedule 4 of the ISO/RTO Tariff provides for the collection of FERC Annual Charges. Under Schedule 5, ISO-NE acts as the billing and collection agent for the New England States Committee on Electricity's (NESCOE's) annual budget.

Q. Please explain the background for the inclusion of the NESCOE charges under Schedule 5 of the ISO/RTO Tariff, Section IV.A.

A. NESCOE was established by a memorandum of understanding between ISO-NE and NEPOOL and approved by FERC for funding through the ISO/RTO Tariff in the Fall of 2007. NESCOE created a formal role for the six New England states' participation on an ongoing basis in the decision-making process of the RTO. NESCOE represents the policy perspectives of the New England Governors and their collective interests in promoting a regional electric system that ensures the lowest reasonable long-term costs for customers while maintaining reliable service and environmental quality.

Q. How are the administrative charges under Section IV.A. of the ISO/RTO Tariff assessed?

1 A. With the exception of charges under Schedule 4, ISO-NE assesses the charges in Section
2 IV.A based upon stated rates pursuant to the ISO/RTO Tariff. These stated rates are set
3 annually when ISO-NE files a revised budget and cost allocation proposal to become
4 effective on January 1 of each year. Under Schedule 1 and Schedule 5, the stated rate for
5 these services is multiplied by Narragansett's Regional Network Load as part of ISO-
6 NE's monthly billing process.

7
8 The ISO-NE budget and cost allocation proposal filed on October 17, 2016 reported the
9 net revenue requirement for Schedule 1 totaling \$44,592,145. As a result, ISO-NE's
10 Schedule 1 rate was set at \$0.19093 per KW/month for all regional network customers
11 and at \$0.00026 per KW for each hour of service for transmission customers receiving
12 through or out service.

13
14 The total fiscal year 2017 NESCOE budget for Schedule 5 charges is \$2,258,001, which
15 is offset by a credit true-up for actual costs and collections in prior years of \$674,276, for
16 a total net NESCOE Revenue Requirement of \$1,583,725. NESCOE's per KW/month
17 charge for 2017 is set at \$0.00678.

18
19 The allocation of Schedule 2 charges is based upon various billing units. The rates under
20 ISO Schedule 2 are adjusted annually effective January 1 of each year based on the net
21 revenue requirement. The 2017 net revenue requirement for Schedule 2 is \$89,424,640.

1 Charges assessed to the Company under ISO-NE's Schedule 2 are recovered through the
2 Standard Offer Service charge and base distribution rates depending on the type of
3 transaction.

4
5 Schedule 3 charges for Market Participants are based on the participant's real-time non-
6 coincident peak load obligation (Real-Time NCP Load Obligation) for the month. Market
7 Participants who have exports will be charged based on their hourly scheduled
8 Megawatts of exports in the month. The rates under ISO-NE's Schedule 3 are adjusted
9 annually effective January 1 of each year based on the net revenue requirement. The
10 2017 net revenue requirement for Schedule 3 is \$58,293,969. The 2017 Real-Time NCP
11 Load Obligation rate is \$0.21884 per kilowatt-month. The 2017 export rate is \$0.45 per
12 MWh.

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 a combination of RNS and LNS rates. A portion is charged to
19 Narragansett by the ISO-NE through the RNS rate using the transmission plant allocation
20 factor and remitted to NEP based on a pro-rate share basis. NEP charges the remaining
21 amounts to the Company through the monthly Non-PTF Demand charge.

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, also known as Non-PTF facilities (Non-PTF). The service provided over 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 that 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 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

1 monthly dispatching expenses, less any revenue NEP received from the ISO-NE for load
2 dispatching services, multiplied by the Company's Local 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. Please explain the BITS Surcharge to Narragansett under Schedule 21.**

11 A. The BITS Surcharge is a new NEP charge to Narragansett approved by the FERC under
12 Schedule-21 of the ISO/RTO Tariff. The BITS Surcharge recovers Narragansett's
13 allocated share of the costs for the Block Island Cable and related facilities associated
14 with the Town of New Shoreham Project. The Town of New Shoreham Project is a
15 public policy project authorized and directed by Rhode Island law, which provides that:

16 it is in the public interest for the state to facilitate the construction of a small-scale
17 offshore wind demonstration project off the coast of Block Island, including an
18 undersea transmission cable that interconnects Block Island to the mainland in
19 order to: position the state to take advantage of the economic development
20 benefits of the emerging offshore wind industry; promote the development of
21 renewable energy sources that increase the nation's energy independence from
22 foreign sources of fossil fuels; reduce the adverse environmental and health
23 impacts of traditional fossil fuel energy sources; and provide the Town of New
24 Shoreham with an electrical connection to the mainland.”¹
25

¹ Town of New Shoreham Project, R.I. Gen. Laws § 39-26.1-7. (Supp. 2010).

1 The legislation also directs that the annual costs of these facilities “shall be recovered
2 annually through a fully reconciling rate adjustment from customers of the electric
3 distribution company [Narragansett] and/or from the Block Island Power Company or its
4 successor, subject to any federal approvals that may be required by law.” . Under
5 Schedule 21 of the ISO/RTO Tariff, the BITS Surcharge to Narragansett is equal to the
6 integrated facilities credit paid to Narragansett under NEP’s FERC Electric Tariff No. 1
7 (IFA Facilities Credit) multiplied by Narragansett’s Load Share Percentage.

8 Narragansett’s Load Share Percentage will be equal to 1 minus BIPCO’s Load Share
9 Percentage calculated based on the load data for the prior year. The IFA Facilities Credit
10 amount will be updated annually on or about the June billing month of each year. The
11 estimated annual surcharge is calculated in Schedule TMF-7.

12
13 The Block Island Cable was placed in commercial service on October 31, 2016 when it
14 began providing station service to the Block Island Wind Farm. Effective as of
15 November 1, 2016, the BITS Surcharge will be charged by NEP to Narragansett in
16 accordance with the transmission tariffs and service agreements that have been accepted
17 by FERC for this purpose. In turn, Narragansett’s costs will be passed through its
18 Transmission Service Cost Adjustment. In April 2017, NEP will begin billing
19 Narragansett using estimated project costs. The April 2017 bill will include charges
20 dating back to November 1, 2016. All charges will be reconciled to final projects costs
21 with a true-up expected to occur before the end of calendar year 2017.

1
2 **Q. How are the costs for LNS recovered?**

3 A. NEP calculates its total transmission revenue requirement for PTF and Non-PTF pursuant
4 to the FERC-approved formula included in Attachment RR to Schedule 21 – NEP of the
5 ISO/RTO Tariff. The total revenue requirement is calculated and NEP credits the
6 regional revenues collected by ISO-NE for PTF through the RNS Rate against the total
7 revenue requirement to determine the net amount to be collected through NEP's local
8 rates. LNS rates are charged monthly to local network load on a load ratio share basis.
9

10 **IV. Estimated Transmission Expenses**

11 **Q. What is the forecast for the Company's Narragansett's transmission and ISO**
12 **expenses for 2017?**

13 A. The Company estimates that its total transmission and ISO-NE expenses (including
14 certain ancillary services) for 2017 will be approximately \$212.72 million, as shown in
15 Schedule TMF-1, page 1. This equates to an increase of \$ 34.57 million or 19.41% of the
16 estimated expenses underlying Narragansett's 2016 transmission rates, as shown in
17 Schedule TMF-1, page 2.
18

1 **Q. Have you estimated the charges to Narragansett under Schedule 21 of the**
2 **ISO/RTO Tariff?**

3 A. Yes. Lines 1 through 3 of Schedule TMF-1, page 1 show the amount of forecasted
4 charges from NEP pursuant to Schedule 21 of the ISO/RTO tariff. The total amount of
5 expenses is \$ 64.44 million. Schedule TMF-6 shows the calculation of the total NEP
6 revenue requirement. NEP allocates Non-PTF expenses to Narragansett on a load ratio
7 share basis, as shown in Schedule TMF-5, column (1). Metering and transformation
8 charges are based on forecasted rates and are assessed to Narragansett based on a per
9 meter and peak load basis, respectively. The BITS Surcharge billed to Narragansett for
10 the period April 2017 through March 2018 is an estimated total of approximately \$32.68
11 million, which includes a total of 17 months' charges from NEP to take into account the
12 November 1, 2016 effective date of the BITS Surcharge. The calculation of the annual
13 BITS Surcharge shown on Schedule TMF-7 was based on the estimated gross plant
14 investment of \$125.58 million multiplied by Narragansett's primary distribution carrying
15 charge of 18.42%, calculated based on 2015 FERC Form 1 data, and Narragansett's Load
16 Share Percentage of approximately 99.73%, based on calendar year 2016 load data
17 provided for BIPCO and Narragansett, for a total of \$23.07 million. On a monthly basis,
18 this equals approximately \$1.92 million per month. The first monthly billing is expected
19 to occur on or around April 2017 and will include billing for the month of April plus five
20 months' billing for the true-up going back to November 1, 2016. In the forecast, the
21 Company estimates that the April 2017 BITS Surcharge will be equal to 6 months

1 multiplied by \$1.92 million, or \$11.53 million. The additional billing for the months of
2 May 2017 through March 2018 would equal \$21.15 million, for a total of \$32.68 million.
3

4 **Q. How have the PTF Component of the ISO-NE Regional Charges shown on line 4 of**
5 **Schedule TMF-1 page 1 been forecasted?**

6 A. The PTF Component of ISO-NE Regional Charges shown on line 4 of Schedule TMF-1,
7 page 1 have been forecasted using two components: 1) the most recent 12 months of
8 monthly PTF kW Load per the Monthly Regional Network Load Report posted on the
9 ISO-NE website and 2) actual and forecasted annual RNS rates for the respective months.
10 The monthly load is multiplied by the annual rate and divided by 12 to obtain the
11 monthly PTF Demand Charge. The resulting calculation is shown in column 2 of
12 Schedule TMF-2, page 1.
13

14 For the most recent 12 months of PTF kW Load, the period of January through December
15 2016 were used. For the estimated PTF rate, two different rates have been utilized (see
16 Schedule TMF-3). For April 2017 through May 2017, the actual annual rate effective for
17 this period of \$103.86 was used. For June 2017 through March 2018, the forecasted
18 annual rate of \$110.35 was used. Schedule TMF-3 shows how the Company determined
19 the forecasted rate and reflects the forecasted PTF additions across New England, as
20 estimated by the New England transmission owners, to be included in the annual formula

1 rate effective June 1, 2017. Narragansett's PTF Demand Charge is estimated at
2 approximately \$140.56 million.
3

4 **Q. Schedule TMF-1 also includes estimated ISO-NE charges for Scheduling and**
5 **Dispatch. How were these costs forecasted, as shown?**

6 A. The estimate for Scheduling and Dispatch Service as shown in column (3) of Schedule
7 TMF-2, page 1, was derived by using the currently effective ISO/RTO Tariff Schedule 1
8 rate of \$1.79594 per kW-year, divided by 12, and further multiplied by Narragansett's
9 monthly Regional Network Load, as shown in column (1) of Schedule TMF-2, page 1.
10 The Company estimates that it will receive an allocation of \$2.31 million for 2017.
11

12 **Q. How did you forecast the Blackstart costs shown on line 6 of Schedule TMF-1, page**
13 **1?**

14 A. The Blackstart costs shown on line 6 of Schedule TMF-1, page 1, were forecasted based
15 on the most recent 12 months of actual ISO-NE charges to the Company. Using this
16 methodology, the Company estimates that it will receive an allocation of \$0.97 million
17 for 2017.
18

19 **Q. How did you calculate the estimate for Reactive Power costs for Narragansett as**
20 **shown on line 7 of Schedule TMF-1, page 1?**

1 A. The estimated Reactive Power cost for the New England region was calculated by using
2 the January through December 2016 actual ISO-NE settlement reports, as shown on
3 Schedule TMF-4 (line 1). The annual rate was determined by dividing the total Reactive
4 Power costs charged in the region for that 12-month historic period by the ISO-NE's
5 2015 Regional Network Load. The monthly rate (annual rate divided by 12) was then
6 multiplied by Narragansett's monthly Regional Network Load for the period of January
7 through December 2016 to determine the estimated charges for Reactive Power Service.
8 Using this methodology, the Company estimates that it will receive an allocation of \$1.37
9 million for 2017.

10
11 **Q. Please explain the forecast of the ISO-NE charges shown in lines 8 through 10 of**
12 **Schedule TMF-1, page 1.**

13 A. Line 8 of Schedule TMF-1, page 1, shows the 2017 forecast of charges to Narragansett
14 under Schedule 1, Scheduling and Load Dispatch Administrative schedules through
15 Section IV.A of the ISO/RTO Tariff. The estimate is based on the ISO-NE revenue
16 requirement for Schedule 1 filed each year with FERC. ISO-NE filed its proposed 2017
17 revenue requirement with FERC on October 17, 2016. To estimate Narragansett's 2017
18 ISO-NE Schedule 1 charges, ISO-NE's Schedule 1 actual costs for the periods December
19 2015 through November 2016 are adjusted by an inflationary factor shown on line 16 of
20 Schedule TMF-2, page 2. This inflationary factor is intended to recognize the increase or

1 decrease in ISO-NE's Schedule 1 net revenue requirement and the associated components
2 of that revenue requirement from the budget as filed for the previous year.

3
4 Line 9 of Schedule TMF-1, page 1 shows the estimated 2017 ISO Schedule 3 Reliability
5 Administrative Service charges through Section IV.A of the ISO/RTO Tariff. The
6 estimate is based on the ISO-NE Schedule 3 Real-Time Non-Coincidental Peak Load
7 Obligation annual rate set each year by the ISO-NE. The annual rate was filed with ISO-
8 NE Capital Budget and Revised Tariff Sheets for Recovery of 2017 Administrative Costs
9 with FERC on October 17, 2016. The estimated 2017 charge to Narragansett's was
10 calculated using the actual Narragansett's ISO Schedule 3 charges for the periods
11 December 2015 through November 2016 adjusted by the inflationary factor shown on
12 Line 19 of Schedule TMF-2, page 2. The inflationary factor represents the change in the
13 2017 ISO Schedule 3 Non-Coincidental Peak Load Obligation rate from the previous
14 year.

15
16 Line 10 of Schedule TMF-1, page 1 shows the estimated 2017 NESCOE charges under
17 Schedule 5 of Section IV.A of the ISO/RTO Tariff. For calendar year 2017, each
18 customer that is obligated to pay the RNS rate pays each month an amount equal to the
19 product of \$0.00678/kW-month multiplied by its monthly Regional Network Load for
20 that month. These charges are shown in Column (3) of Schedule TMF-2, page 2. For

2017, the Company's total amount of direct ISO/RTO Tariff charges under Section IV.A, Schedules 1, 3, and 5, are estimated to be \$3.07 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 \$148.29 million, which is the sum of lines 4 through 10 on Schedule TMF-1, page 1.

V. Explanation of Primary Changes from Last Year's Forecasted Expenses

Q. What is the impact of Narragansett's 2017 transmission expenses?

A. The estimated 2017 Narragansett transmission and ISO-NE expenses of \$212.72 million represents a net increase of \$34.57 million from the 2016 forecast of transmission expenses. This total increase is primarily due to an increase in the forecasted NEP local charges of \$29.16 million and ISO-NE Regional Charges of \$5.47 million. The increase of \$29.16 million in NEP Local charges is primarily driven by the \$32.68 million BITS Surcharge expenses introduced in the 2017 forecast, which was offset by the \$3.56 million decrease in the estimated Non-PTF Demand charges because of a lower estimated Non-PTF revenue requirement in comparison to last year's estimate. The decrease in the estimated Non-PTF revenue requirement is primarily driven by the higher revenues collected from regional rates. Regional rate revenues collected by the ISO-NE for PTF through the RNS rates are credited against NEP's total revenue requirement to determine

1 the net amount to be collected through NEP's local rates. The increase of \$5.47 million
2 in ISO-NE Regional Charges is being driven by the increase in PTF Demand Charges of
3 \$5.30 million. The PTF Demand Charge increase is related to the 5% increase in the RNS
4 Schedule 9 rate. The estimated RNS rate effective through May 2018 is higher as a result
5 of higher transmission revenue requirements by the New England transmission owners
6 based on forecasted PTF transmission plant investment expected to go "in-service" in
7 2017 across New England.

8
9 **Q. What PTF plant investment is driving the increase in the ISO-NE RNS rate**
10 **forecasted to be in effect June 1, 2017?**

11 A. The projected RNS rate increase is due to a significant amount of capital additions
12 forecasted by the transmission owners expected to go into service in 2017. Schedule
13 TMF-3 Line 2 reflects an estimated \$832.00 million of PTF plant additions for 2017 as
14 provided by the transmission owners. This number was presented by the transmission
15 owners at the summer meeting of the NEPOOL Reliability Committee/Transmission
16 Committee.

17
18 **Q. What are the major projects driving the significant level of projected PTF plant**
19 **additions for 2017?**

20 A. Based on the Company's review of the ISO-NE Regional System Plan, the four largest
21 transmission projects in New England with a portion expected to be placed in service

1 during 2017 are: (1) Eversource's Greater Hartford Central Connecticut Project, (2) VT's
2 Transco's Connecticut River Valley Project, (3) NEP's Sandy Pond Project, and (4)
3 NEP's Greater Boston Project.

4
5 **VI. Conclusion**

6 Q. Does this conclude your testimony?

7 A. Yes.

**Schedules of
Tiffany M. Forsyth**

Schedules

Schedule TMF-1	Summary of Transmission Expenses Estimated for the Year 2017
Schedule TMF-2	Summary of ISO-NE Charges Estimated for the Year 2017
Schedule TMF-3	PTF Rate Calculation Estimated for the Year 2017
Schedule TMF-4	Summary of Reactive Power Costs Estimated for the Year 2017
Schedule TMF-5	Summary of New England Power Schedule - No. 21 Charges Estimated for the Year 2017
Schedule TMF-6	Non-PTF Revenue Requirement Estimated for the Year 2017
Schedule TMF-7	Annual BITS Surcharge Estimated for the year 2017

Schedule TME-1

Schedule TMF-1

Summary of Transmission Expenses Estimated for the Year 2017

The Narragansett Electric Company
Summary of Transmission Expenses
Estimated for the Year 2017

<u>Line #</u>			
	NEP Local Charges		
1	Non-PTF Demand Charges	31,259,601	
2	Other NEP Charges	496,093	
3	BITS Surcharge	32,680,356	
	<i>Sub-Total NEP Charges</i>		\$64,436,050
	ISO-NE Regional Charges		
4	PTF Demand Charge	140,564,339	
5	Scheduling & Dispatch	2,308,148	
6	Black Start	969,522	
7	Reactive Power	1,371,053	
	<i>Sub-Total ISO-NE Charges</i>		\$145,213,062
	ISO-NE Administrative Charges		
8	Schedule 1 - Scheduling & Dispatch	2,778,212	
9	Schedule 3 - Reliability Administration Service	190,145	
10	Schedule 5 - NESCOE	104,564	
	<i>Sub-Total ISO-NE Admin Charges</i>		\$3,072,921
11	Total Expenses Flowing Through Current Rates		\$212,722,033

Line 1 = TMF-5: Column (2), Line 13
Line 2 = TMF-5: Sum of Column (3) through (5), Line 13
Line 3 = TMF-5: Column (6), Line 13
Line 4 = TMF-2, Pg 1: Column (2), Line 13
Line 5 = TMF-2, Pg 1: Column (3), Line 13
Line 6 = TMF-2, Pg 1: Column (4), Line 13
Line 7 = TMF-2, Pg 1: Column (5), Line 13
Line 8 = TMF-2, Pg 2: Column (1), Line 13
Line 9 = TMF-2, Pg 2: Column (2), Line 13
Line 10 = TMF-2, Pg 2: Column (3), Line 13
Line 11 = Sum of Lines 1 through 9

The Narragansett Electric Company
Summary of Transmission Expenses
2016 vs. 2017 Filing Years

<u>Line #</u>		February 2016 Retail Filing	February 2017 Retail Filing	Yr/Yr Incr/(Decr)
	NEP Local Charges			
1	Non-PTF Demand Charges	\$ 34,823,146	\$ 31,259,601	\$ (3,563,545)
2	Other NEP Charges	451,891	496,093	44,202
3	BITS Surcharge	-	32,680,356	32,680,356
4	Subtotal	\$ 35,275,038	\$ 64,436,050	\$ 29,161,012
	ISO-NE Regional Charges			
5	PTF Demand Charge	\$ 135,274,142	\$ 140,564,339	\$ 5,290,197
6	Scheduling & Dispatch	2,091,045	2,308,148	217,103
7	Black Start	923,415	969,522	46,107
8	Reactive Power	1,457,844	1,371,053	(86,791)
9	Subtotal	\$ 139,746,446	\$ 145,213,062	\$ 5,466,616
	ISO-NE Administrative Charges			
10	Schedule 1 - Scheduling & Dispatch	\$ 2,895,142	\$ 2,778,212	\$ (116,930)
11	Schedule 3 - Reliability Administration Service	188,658	190,145	1,487
12	Schedule 5 - NESCOE	46,152	104,564	58,412
13	Subtotal	\$ 3,129,952.10	\$ 3,072,921	\$ (57,031)
14	Total Expenses	\$ 178,151,436	\$ 212,722,033	\$ 34,570,597

Schedule TME-2

Schedule TMF – 2

Summary of ISO-NE Regional Charges Estimated for the Year 2017

The Narragansett Electric Company
Summary of ISO-NE Regional Charges
Estimated for the Year 2017

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	1,071,821	\$9,276,611	\$160,411	\$79,164	\$95,285	\$9,611,471
2	May	1,253,716	10,850,912	187,633	82,569	111,455	11,232,569
3	June	1,325,321	12,187,431	198,350	82,856	117,821	12,586,458
4	July	1,624,937	14,942,650	243,191	84,126	144,457	15,414,424
5	August	1,772,943	16,303,688	265,342	87,473	157,615	16,814,118
6	September	1,602,967	14,740,617	239,903	87,837	142,504	15,210,861
7	October	1,000,935	9,204,431	149,802	74,744	88,983	9,517,960
8	November	1,071,074	9,849,418	160,299	76,653	95,218	10,181,588
9	December	1,206,338	11,093,283	180,543	79,277	107,243	11,460,346
10	January	1,190,989	10,952,136	178,245	76,671	105,879	11,312,931
11	February	1,220,099	11,219,827	182,602	79,036	108,467	11,589,932
12	March	1,081,287	9,943,335	161,827	79,116	96,126	10,280,404
13	12-Mo Total	15,422,427	\$140,564,339	\$2,308,148	\$969,522	\$1,371,053	\$145,213,062

Line 1-12: Column (1) = ISO-NE Monthly Regional Network Load Reports January-December 2016.

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 = **1.79594**

Line 1-12: Column (4) = Monthly ISO Billing actuals for periods December 2015 - November 2016, 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 2017

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	\$197,183	\$12,870	\$7,267	\$217,320
2	May	230,362	14,961	8,500	253,823
3	June	241,483	15,836	8,986	266,305
4	July	298,607	21,974	11,017	331,598
5	August	326,080	23,183	12,021	361,284
6	September	295,609	20,068	10,868	326,545
7	October	183,382	12,008	6,786	202,176
8	November	195,662	13,425	7,262	216,349
9	December	165,341	12,519	8,179	186,039
10	January	220,871	15,124	8,075	244,070
11	February	225,635	15,100	8,272	249,007
12	March	197,997	13,077	7,331	218,405
13	Totals	\$2,778,212	\$190,145	\$104,564	\$3,072,921

ISO-NE Schedule 1 Net Revenue Requirement:

14	2016	\$46,048,796
15	2017	\$44,592,145
16	% Change	-3.16%

ISO-NE Schedule 3 Real-Time NCP Load Obligation Rates:

17	2016	\$0.20313
18	2017	\$0.21884
19	% Change	7.73%

Line 1-12: Column (1) = Monthly ISO Billing actuals for periods December 2015 - November 2016 actuals * (1+ Line 16)

Line 1-12: Column (2) = Monthly ISO Billing actuals for periods December 2015 - November 2016 actuals * (1+ Line 19)

Line 1-12: Column (3) = Estimates based on Monthly PTF load (TMF-2 Pg 1 Column 1) * 2017 charge of **\$0.00678** per kW-mo based on the 10/19/16

ISO NESCOE Budget Filing (Docket ER17-140-000)

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 2016) based on the 10/16/15 FERC filing (Docket ER16-92-000)

Line 15 = ISO-NE Proposed Schedule 1 ISO Net Revenue Requirement (Year 2017) based on the 10/17/16 FERC filing (Docket ER17-116-000)

Line 16 = (Line 15-Line 14) / Line 14

Line 17 = ISO-NE Schedule 3 Real-Time Load Obligation Rate (Year 2016) based on the 10/16/15 FERC filing (Docket ER16-92-000)

Line 18 = ISO-NE Schedule 3 Real-Time Load Obligation Rate (Year 2017) based on the 10/17/16 FERC filing (Docket ER17-116-000)

Line 19 = (Line 18-Line 17) / Line 17

Schedule TMF – 3

PTF Rate Calculation Estimated For the Year 2017

New England Power Company
PTF Rate Calculation
Estimated for the Year 2017

Line #

Development of Estimated PTF Rate:

1	Total Regional Network Service Rate through May 31, 2017	\$103.86/KW-YR
<u>ESTIMATED Increase in ISO Rate Effective June 1, 2017</u>		
2	Total ESTIMATED PTO Plant Additions	\$ 832,000,000
3	x Estimated Carrying Charge	15.50%
4	/ 2015 ISO Network Load	19,871,253
5	Additional Estimated ISO Regional Network Service Rate	\$6.49 /KW-YR
6	Regional Network Service Rate in effect June 1, 2017 through May 31, 2018	\$110.35/KW-YR

Line 1 = ISO-NE Section II Open Access Transmission Tariff Rates Posting September 26, 2016

Line 2 = PTO Forecast RWG Presentation August 8-9, 2016 = Forecasted Plant Additions 2017

Line 3 = PTO Forecast RWG Presentation August 8-9, 2016 = Forecasted Revenue Requirement 2017 (\$129 million) / Line 2

Line 4 = PTO Informational Filing dated August 5, 2016 Docket #ER16-2378 accepted by FERC on September 26, 2016

Line 5 = Line 2 * Line 3 / Line 4

Line 6 = Line 1 + Line 5

Schedule TMF – 4

Summary of Reactive Power Costs Estimated for the Year 2017

The Narragansett Electric Company
Summary of Reactive Power Costs
Estimated for the Year 2017

Section I: Development of Reactive Power Estimate

Line#

1	Estimated Total ISO Reactive Power Costs	\$21,208,513	
2	2015 ISO Network Load (KW)	19,871,253	
3	Estimated Rate / KW-Yr	\$1.0673	
4	Estimated Rate / KW-Mo	<table border="1"><tr><td>\$0.0889</td></tr></table>	\$0.0889
\$0.0889			

Line 1 = ISO Schedule 2 - VAR Status Summary Reports January-December 2016

Line 2 = 12 CP Network Loads from PTO Informational Filing dated August 5, 2016

Docket #ER16-2378 accepted by FERC on September 26, 2016

Line 3 = Line 1 / Line 2

Line 4 = Line 3 / 12

Schedule TMF – 5

Summary of New England Power Schedule – No. 21 Charges Estimated for the Year 2017

The Narragansett Electric Company
Summary of New England Power - Schedule No. 21 Charges
Estimated for the Year 2017

Line #	Period	(1) Non- PTF Load Ratio % Share	(2) Non-PTF Demand Charge	(3) Scheduling & Dispatch	(4) Transformer Surcharge	(5) Meter Surcharge	(6) BITS Surcharge	(7) Total NEP Costs
1	April	24.98%	\$2,520,138	\$51,193	\$504	\$1,488	\$11,534,242	\$14,107,565
2	May	26.75%	2,698,707	56,490	504	1,488	1,922,374	4,679,563
3	June	26.86%	2,709,804	2,868	504	1,488	1,922,374	4,637,038
4	July	26.57%	2,680,547	57,797	504	1,488	1,922,374	4,662,710
5	August	27.19%	2,743,097	31,410	504	1,488	1,922,374	4,698,873
6	September	27.72%	2,796,567	(2,676)	504	1,488	1,922,374	4,718,257
7	October	25.21%	2,543,342	13,761	504	1,488	1,922,374	4,481,469
8	November	25.15%	2,537,289	46,908	504	1,488	1,922,374	4,508,563
9	December	24.74%	2,495,926	20,818	504	1,488	1,922,374	4,441,110
10	January	24.54%	2,475,748	70,396	504	1,488	1,922,374	4,470,510
11	February	25.08%	2,530,227	65,573	504	1,488	1,922,374	4,520,166
12	March	25.06%	2,528,209	57,651	504	1,488	1,922,374	4,510,226
13	12- Mo Total		\$31,259,601	\$472,189	\$6,048	\$17,856	\$32,680,356	\$64,436,050

Lines 1-12: Column (1) = Monthly Network Load Files for January - December 2016
Lines 1-12: Column (2) = Column (1) * Schedule TMF-6, Line 3 / 12
Lines 1-12: Column (3) = Adjusted Monthly Network Load Files for January- December 2016
Lines 1-12: Column (4) & (5) = Forecasted rates through May 2017
Lines 1: Column (6) = TMF-7, Line 4 / 12 *6
Lines 2-12: Column (6) = TMF-7, Line 4 / 12
Lines 1-12: Column (7) = Sum of Columns (2) through (6)
Line 13 = Sum of Line 1 through Line 12

Schedule TMF – 6

Non-PTF Revenue Requirement Estimated For the Year 2017

New England Power Company
Non-PTF Revenue Requirement
Estimated for the Year 2017

Section I:

<u>Line #</u>			
1	NEP's Schedule 21 Non-PTF Revenue Requirement	\$109,082,736	
2	Adjustment for Forecasted 2017 Capital Additions	\$11,980,755	
3	Estimated 2017 Non-PTF Revenue Requirement	<table border="1"><tr><td>\$121,063,491</td></tr></table>	\$121,063,491
\$121,063,491			
	<u>Adjustment for Year End 2017 Capital Additions</u>		
4	Estimated 2017 Transmission Plant Additions	\$79,871,702	
5	Transmission Plant Carrying Charge	15%	
6	Adjustment for Forecasted 2017 Capital Additions	\$11,980,755	

Section II:

	<u>Transmission Plant Carrying Charge</u>	
7	NEP's Schedule 21 Revenue Requirement	\$109,082,736
8	Total Revenue Credit	\$414,274,520
9	Total Transmission Integrated Facilities Credit	(\$148,550,459)
10	Sub-Total Revenue Requirement	\$374,806,797
11	Total Transmission Plant	\$2,523,455,899
12	Transmission Plant Carrying Charge	15%

Line 1 = NEP Schedule 21 Billing: January - December 2016
Line 2 = Line 6
Line 3 = Line 1 + Line 2
Line 4 = Estimated 2017 Non-PTF Transmission Plant Addition
Line 5 = Line 12
Line 6 = Line 4 * Line 5
Line 7 through 9 = NEP Schedule 21 Billing: January - December 2016
Line 10 = Sum of Line 7 through Line 9
Line 11 = NEP Schedule 21 Billing: December 2016
Line 12 = Line 10 / Line 11

Schedule TMF – 7

Annual BITS Surcharge Estimated For the Year 2017

New England Power Company
Annual BITS Surcharge
Estimated for the Year 2017

Section I:

Line #		
1	Estimated Gross Plant Investment	\$125,575,127
2	2015 Carrying Charge	18.42%
3	Narragansett Electric Share %	99.73%
4	Estimated Annual BITS Surcharge	\$23,068,485

Section II:

Narragansett Electric Share Percentage Calculation

<u>2016 Annual Peak Load</u>		
5	BIPCo Peak Load (kW)	4,775
6	Narragansett Electric Peak Load (kW)	1,772,943
7	Total Peak Load (kW)	1,777,718
8	BIPCo Annual Peak Load Share	0.27%
<u>2016 Energy Collar</u>		
<u>MINIMUM Energy Ratio Share</u>		
9	1.2 * BIPCo Annual Energy (kWh)	16,731,779
10	Narragansett Electric Annual Energy (kWh)	7,463,826,888
11	Total Annual Energy (kWh)	7,480,558,667
12	BIPCo Minimum Annual Energy Share	0.22%
<u>MAXIMUM Energy Ratio Share</u>		
13	1.8 * BIPCo Annual Energy (kWh)	25,097,668
14	TNECo Annual Energy (kWh)	7,463,826,888
15	Total Annual Energy (kWh)	7,488,924,556
16	BIPCo Maximum Annual Energy Share	0.34%
17	BIPCo Share %	0.27%
18	Narragansett Electric Share %	99.73%

Line 1 = Internal estimates

Line 2 = Calculated using Narragansett's CY 2015 FERC Form 1 data according to the provisions of NEP's Electric Tariff No.1

Line 3 = Line 18

Line 4 = Line 1 * Line 2 * Line 3

Line 5 = BIPCO CY2016 Annual Peak Load (provided by BIPCO)

Line 6 = Narragansett's CY2016 Annual Peak Load (MAX(TMf-2, Pg 1 Column 1))

Line 7 = Line 5 + Line 6

Line 8 = Line 5/Line 7

Line 9 = 1.2 * BIPCO CY2016 Annual Energy (provided by BIPCO)

Line 10 = Narragansett's Annual Energy (internal records)

Line 11 = Line 9 + Line 10

Line 12 = Line 9/Line 11

Line 13 = 1.8* BIPCO CY2016 Annual Energy (provided by BIPCO)

Line 14 = Narragansett's Annual Energy (internal records)

Line 15 = Line 13 + Line 14

Line 16 = Line 13/Line 15

Line 17 = IF(AND (Line 8>Line 12, Line 8<Line 16), Line 8, IF((Line 8<Line 12), Line 12, IF((Line 8>Line 16), Line 16, Line 8)))

Line 18 = 1 - Line 17