



September 1, 2016

VIA HAND DELIVERY & ELECTRONIC MAIL

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

**RE: Docket 4634 - 2016 Distribution Adjustment Charge
Supplemental Testimony and Schedules of Suhila Nouri Nutile and
Testimony and Schedules of William R. Richer**

Dear Ms. Massaro:

Enclosed please find 10 copies of National Grid's¹ supplement to its August 1, 2016 annual Distribution Adjustment Charge (DAC) filing. This submission consists of the pre-filed supplemental testimony and schedules of Suhila Nouri Nutile and William R. Richer. In her supplemental testimony and schedules, Ms. Nutile incorporates updates to the DAC components and provides proposed DAC rates for effect November 1, 2016. Ms. Nutile also provides a bill-impact analysis of the proposed DAC rates. Mr. Richer's supplemental testimony provides the status of the Company's earnings subject to the Earnings Sharing Mechanism (ESM) for the period ending March 31, 2016, and a revision to the calculation of the Pension and Postretirement Benefits Other Than Pensions (PBOP) costs to be reconciled in the Pension Adjustment Factor that the Company previously filed on August 1, 2016.

As described in Ms. Nutile's testimony, the bill impact of the proposed DAC rates on an average residential heating customer utilizing 846 therms translates into an annual increase of \$48.72, or 4.2 percent more than the rates currently in effect.

The Company is also including a request in this filing for a modification of the permanent standing extension of the filing date for the Company's gas ESM reports from August 28 to September 1, as described in Mr. Richer's testimony.

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

Luly E. Massaro, Commission Clerk
Docket 4634 – Supplemental DAC Filing
September 1, 2016
Page 2 of 2

Thank you for your attention to this filing. If you have any questions, please contact Jennifer Brooks Hutchinson at 401-784-7288 or Robert Humm at 401-784-7415.

Very truly yours,



Jennifer Brooks Hutchinson



Robert J. Humm

Enclosure

cc: Docket 4634 Service List
Leo Wold, Esq.
Steve Scialabba, Division
Bruce Oliver, Division

The Narragansett Electric Company
d/b/a National Grid

Distribution Adjustment Charge Filing

Supplemental Testimony and Schedules of
Suhila Nouri Nutile
and
William R. Richer

September 1, 2016

Submitted to:
Rhode Island Public Utilities Commission
RIPUC Docket No. 4634

Submitted by:

nationalgrid

**Testimony of
Subila Nouri Nutile**

**THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC DOCKET NO. 4634
SUPPLEMENTAL DISTRIBUTION ADJUSTMENT CHARGE FILING
WITNESS: SUHILA NOURI NUTILE
SEPTEMBER 1, 2016**

SUPPLEMENTAL DIRECT TESTIMONY

OF

SUHILA NOURI NUTILE

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC DOCKET NO. 4634
SUPPLEMENTAL DISTRIBUTION ADJUSTMENT CHARGE FILING
WITNESS: SUHILA NOURI NUTILE
SEPTEMBER 1, 2016

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1 **I. Introduction**

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

3 A. My name is Suhila Nouri Nutile and my business address is Reservoir Woods, 40
4 Sylvan Road, Waltham, Massachusetts 02451.

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

7 A. Yes. I submitted my direct testimony on August 1, 2016.

9 **Q. What is the purpose of your supplemental testimony?**

10 A. The purpose of this supplemental testimony is to provide an update to the
11 proposed Distribution Adjustment Charge (DAC) effective November 1, 2016.
12 Specifically, this supplemental testimony will: (1) propose the system pressure
13 factor; (2) propose revised Pensions and Postretirement Benefits Other Than
14 Pension (PBOP) factors; (3) propose the Earnings Sharing Mechanism (ESM)
15 factor; (4) provide the calculation of the proposed base DAC factors, which will
16 be a component of the overall DAC rates (which include the Infrastructure, Safety
17 and Reliability (ISR) Reconciliation factors that are proposed to become effective
18 November 1, 2016 and the ISR Plan component currently in effect); and (5)
19 present the impact on customer bills resulting from the proposed DAC rates. This
20 filing is submitted pursuant to the Company's Distribution Adjustment Charge
21 Provision, RIPUC NG-Gas No. 101, under Section 3, Schedule A.

1 **Q. Are you sponsoring any updated schedules with your supplemental**
2 **testimony?**

3 A. Yes. I am sponsoring the following updated schedules that accompany my
4 supplemental testimony:

5	Schedule SLN-1S	Summary of DAC Factors
6	Schedule SLN-2S	System Pressure Factor
7	Schedule SLN-5S	Pensions and Postretirement Benefits Other than
8		Pensions Factors
9		
10	Schedule SLN-8S	ISR Reconciliation Factors
11	Schedule SLN-10S	Reconciliation Factor
12	Schedule SLN-12S	Earnings Sharing Factor
13	Schedule SLN-13	Bill Impact Analysis

14 For ease of reference, the Company has included all other schedules, although the
15 Company is not making any changes to them in this submission.

16

17 **II. Updated DAC Components**

18 **Q. Please describe the updates to the DAC contained in this filing.**

19 A. In accordance with the agreement made with the Division of Public Utilities and
20 Carriers (Division) during the 2010-11 DAC proceeding in Docket No. 4196, the
21 Company does not propose a system pressure factor as part of its annual August 1
22 DAC filings, but rather proposes the factor in its supplemental DAC filings
23 typically submitted to the PUC around September 1. Also, revised pension and

1 PBOP costs and ESM calculation are included in this filing. In addition, the DAC
2 reconciliation component has been updated to include actual data for July 2016 as
3 presented in Schedules SLN-8S and Schedule SLN-10S. Consequently, the
4 proposed DAC rates are calculated inclusive of these figures, which are then
5 combined with the Fiscal Year (FY) 2016 ISR Plan reconciliation factors and
6 currently-effective FY 2017 ISR Plan factors to derive the overall proposed DAC
7 rates per rate class to take effect November 1, 2016. The proposed DAC rates are
8 summarized on Schedule SLN-1S.

9

10 **Q. What is the Company proposing for the System Pressure factor for**
11 **November 1, 2016?**

12 A. The Company is proposing a System Pressure factor of \$0.0037 per therm as
13 shown in Schedule SLN-2S. The proposed factor is calculated by multiplying the
14 forecasted 2016-17 LNG lease payment costs by the system pressure balancing
15 percentage. This amount is then divided by the forecasted throughput of
16 39,347,340 dths for the 12-months beginning November 1, 2016. This result is
17 then divided by 10 to derive the amount per therm factor mentioned above.

18

19 **Q. Please identify what was updated in the Pension and PBOP factors for**
20 **November 1, 2016?**

1 A. The Pension and PBOP costs have been revised as shown in Schedule WRR-1
2 Revised provided by Company Witness William R. Richer. Based on these
3 amounts, the pension adjustment factor is a credit of \$0.0054 per therm and is
4 calculated by dividing the pension over-recovery and PBOP over-recovery by the
5 forecasted throughput of 39,347,340 dths for the 12-months beginning
6 November 1, 2016. This result is then divided by 10 to derive amount per therm
7 factors as shown in Schedule SLN-5S, with the total of the two factors being a
8 credit of \$0.0054 per therm.

9

10 **Q. What is the Company proposing for the ESM factor for November 1, 2016?**

11 A. The Company is proposing an ESM factor of \$0.0000 per therm as shown in
12 Schedule SLN-12S. This factor reflects the Gas ESM report for the 12 months
13 ending March 31, 2016, which the Company submitted on August 29, 2016 under
14 Docket No. 4323.

15

16 **Q. Please identify what was updated in the DAC reconciliation adjustment**
17 **factors.**

18 A. The Company updated the DAC reconciliation factors to reflect actual revenue for
19 July 2016 for the non-base rate / gas year reconciling components as shown in
20 Schedule SLN-10S, pages 2 through 8. The proposed reconciliation factor
21 applicable to all rate classes is a credit of (\$0.0007) per therm while the proposed

1 reconciliation factor for the Large and Extra-Large rate classes is a credit of
2 (\$0.0019) per therm.¹ As described in my testimony filed on August 1, only the
3 Large and Extra-Large rate classes are subject to the base rate reconciliation
4 component.

5
6 **Q. Please explain how the Company determines the proposed DAC rates to be**
7 **billed to customers.**

8 A. As shown on Schedule SLN-1S, Section 1, Line 15, the proposed base DAC rates
9 differ for the Residential, Small, and Medium Commercial and Industrial (C&I)
10 rate classes versus the Large and Extra-Large rate classes. As explained in my
11 August 1 testimony, the Company develops a proposed DAC factor for the
12 Residential, Small, and Medium C&I rate classes to include the Revenue
13 Decoupling Adjustment factor, which is only applicable to these customer groups.
14 Meanwhile, it develops a separate factor for the Large and Extra-Large rate
15 classes to accommodate the reconciliation of the base rate related items, which are
16 the Advanced Gas Technology, Low Income Assistance Program, and
17 Environmental Response costs. These factors are combined with the proposed FY
18 2016 ISR Reconciliation factors per rate class and currently-effective FY 2017
19 ISR Plan factors to arrive at the proposed DAC factors to be billed to customers,
20 as shown in Section 2 of Schedule SLN-1S.

¹ The August 1, 2016 DAC filing's proposed reconciliation factors were a credit of (\$0.0007) per therm for all rate classes and a credit of (\$0.0019) per therm for the Large and Extra-Large rate classes.

1 **III. Final Proposed DAC Rates and Bill Impacts**

2 **Q. What are the final proposed DAC rates?**

3 A. The final proposed DAC rates by rate class, including the base DAC factors, the
4 FY 2016 ISR reconciliation factors, and the current FY 2017 ISR Plan factors, are
5 shown in Schedule SLN-1S, Section 2, Column (E).
6

7 **Q. How was the impact on customer bills calculated?**

8 A. The Company's bill impact analysis presents the impact solely from the proposed
9 DAC factors and keeps all other rates and charges at their current levels. To
10 isolate the impact of the proposed DAC rates, the current Energy Efficiency
11 Program Charges and ISR factors are assumed to be in effect for the year
12 November 2016 through October 2017. The Gas Cost Recovery (GCR) factors
13 are also held constant at the rates that have been in effect since November 2015.
14 The combined impact of the proposed DAC factors and GCR rates will be
15 presented in the Company's annual GCR filing submitted under separate cover.
16

17 **Q. What is the impact of the proposed November 1, 2016 DAC rates on
18 customer bills?**

19 A. Schedule SLN-13 sets forth the annual average dollar impact due to the proposed
20 changes in the DAC factors on customers' bills at various levels of consumption
21 for the Company's rate classes. For an average residential heating customer

1 utilizing 846 therms, the bill impact translates into an annual increase of \$48.72,
2 or 4.2%.

3

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

5 **A. Yes.**

Schedules of Suhila Nouri Nutile

Schedule SLN-1S	Summary of DAC Factors
Schedule SLN-2S	System Pressure Factor
Schedule SLN-3	Advanced Gas Technology Program Factor
Schedule SLN-4	Environmental Response Cost Factor
Schedule SLN-5S	Pensions and Postretirement Benefits Factor
Schedule SLN-6	On-System Margin Credits Factor
Schedule SLN-7	Revenue Decoupling Adjustment Factor
Schedule SLN-8S	ISR Reconciliation Factors
Schedule SLN-9	Firm Revenue Credit Factor
Schedule SLN-10S	Reconciliation Factors
Schedule SLN-11	Reconciliations for FY 16
Schedule SLN-12S	Earnings Sharing Factor
Schedule SLN-13	Bill Impacts

**THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC DOCKET NO. 4634
SUPPLEMENTAL DISTRIBUTION ADJUSTMENT CHARGE FILING
WITNESS: SUHILA NOURI NUTILE**

**Schedule SLN-1S
Summary of DAC Factors**

**National Grid - RI Gas
Summary of DAC Factors
Effective November 1, 2016**

Section 1: DAC factor (not including annual ISR component) November 1, 2016 - October 31, 2017

Line No.	Description	Reference	Amount	Factor		
				Residential/ Small/ Medium C&I	Large/ X-Large	
1	System Pressure (SP)	<u>SLN-2S</u>	\$1,488,789	\$0.0037	\$0.0037	
2	Advanced Gas Technology Program (AGT)	<u>SLN-3</u>	\$0	\$0.0000	\$0.0000	
3	Low Income Assistance Program (LIAP)		\$0	\$0.0000	\$0.0000	
4	Environmental Response Cost Factor (ERCF)	<u>SLN-4</u>	\$588,061	\$0.0014	\$0.0014	
5	Pension Adjustment Factor (PAF)	<u>SLN-5S</u>	(\$2,153,826)	(\$0.0054)	(\$0.0054)	
6	On-System Margin Credits (MC)	<u>SLN-6</u>	(\$63,674)	(\$0.0001)	(\$0.0001)	
7	Reconciliation Factor (R)	<u>SLN-10S</u>	(\$437,750)	(\$0.0007)	(\$0.0019)	
8	Service Quality Factor (SQP)		\$0	\$0.0000	\$0.0000	
9	Earnings Sharing Mechanism (ESM)	<u>SLN-12S</u>	\$0	\$0.0000	\$0.0000	
10	Subtotal	Sum ([1]-[9])	(\$578,400)	(\$0.0011)	(\$0.0023)	
11	Uncollectible Percentage	Dkt 4323	3.18%	3.18%	3.18%	
12	DAC factors grossed up for uncollectible	[10]/(1-[11])	(\$597,397)	(\$0.0011)	(\$0.0023)	per therm
13	Revenue Decoupling Adjustment (RDA)	<u>SLN-7</u>	(\$282,230)	(\$0.0010)	\$0.0000	
14	Revenue Decoupling Adjustment Reconciliation	<u>SLN-10</u>	(\$2,002,854)	(\$0.0072)	\$0.0000	
15	DAC factor	[12]+[13]+[14]	(\$2,882,480)	(\$0.0093)	(\$0.0023)	per therm

Section 2: DAC factors including annual ISR component

Line No.	ISR Reconciliation w/o uncollectible ¹ (therms)	Uncollectible Percentage ²	ISR Reconciliation* (therms) (A)	Base DAC Component* ³ (therms) (B)	DAC Component Subtotal Rates* (therms) (C) = (A) + (B)	ISR Component* ⁴ (therms) (D)	November 1, 2016 DAC Rates* (therms) (E) = (C)+(D)	
16	Res-NH	\$0.0609	3.18%	\$0.0628	(\$0.0093)	\$0.0535	\$0.1429	\$0.1964
17	Res-NH-LI	\$0.0609	3.18%	\$0.0628	(\$0.0093)	\$0.0535	\$0.1429	\$0.1964
18	Res-H	\$0.0321	3.18%	\$0.0331	(\$0.0093)	\$0.0238	\$0.0868	\$0.1106
19	Res-H-LI	\$0.0321	3.18%	\$0.0331	(\$0.0093)	\$0.0238	\$0.0868	\$0.1106
20	Small	\$0.0393	3.18%	\$0.0405	(\$0.0093)	\$0.0312	\$0.0784	\$0.1096
21	Medium	\$0.0206	3.18%	\$0.0213	(\$0.0093)	\$0.0120	\$0.0579	\$0.0699
22	Large LL	\$0.0236	3.18%	\$0.0244	(\$0.0023)	\$0.0221	\$0.0538	\$0.0759
23	Large HL	\$0.0193	3.18%	\$0.0199	(\$0.0023)	\$0.0176	\$0.0513	\$0.0689
24	XL-LL	\$0.0024	3.18%	\$0.0025	(\$0.0023)	\$0.0002	\$0.0168	\$0.0170
25	XL-HL	\$0.0014	3.18%	\$0.0014	(\$0.0023)	(\$0.0009)	\$0.0174	\$0.0165

***Factors Include Uncollectible Allowance**

¹ SLN-8S

² Per Docket 4323

³ Section 1, Line 15

⁴ FY 17 ISR component per Docket 4590

**THE NARRAGANSETT ELECTRIC COMPANY
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SUPPLEMENTAL DISTRIBUTION ADJUSTMENT CHARGE FILING
WITNESS: SUHILA NOURI NUTILE**

Schedule SLN-2S
System Pressure Factor

**National Grid - RI Gas
System Pressure Factor
Effective November 1, 2016**

Line No.	Description	
1	Nov-15	\$163,740
2	Dec-15	\$163,740
3	Jan-16	\$163,740
4	Feb-16	\$163,740
5	Mar-16	\$163,740
6	Apr-16	\$163,740
7	May-16	\$163,740
8	Jun-16	\$163,740
9	Jul-16	\$163,740
10	Aug-16	\$163,740
11	Sep-16	\$163,740
12	Oct-16	\$163,740
13		
14	Total	<u>\$1,964,880</u>
15	System Balancing Factor	75.77%
16	LNG GCR Costs allocated to DAC	\$1,488,789
17	Firm Throughput	39,347,340
18	System Pressure Factor per dekatherm	\$0.0370
19	System Pressure Factor per therm	\$0.0037

1-12 Per Docket 4647, Attachment AEL-1, Page 4, Line 34.
16 Per Settlement of DAC issues, Docket 4339
17 Company Forecast
18 Line (16) / Line (17)
19 Line (18) / 10, truncated to 4 decimal places

**THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC DOCKET NO. 4634
SUPPLEMENTAL DISTRIBUTION ADJUSTMENT CHARGE FILING
WITNESS: SUHILA NOURI NUTILE**

Schedule SLN-3
Advanced Gas Technology Program Factor

National Grid - RI Gas
AGT Factor
Effective November 1, 2016

Line No.	Description	
1	AGT collected through DAC	\$0
2	Firm Throughput	39,347,340 dth
3	AGT Factor	\$0.0000 per dth
4	AGT Factor	\$0.0000 per therm

2 Company Forecast

3 Line (1) / Line (2)

4 Line (3) / 10, truncated to 4 decimal places

National Grid - RI Gas
ACT Account Balance and Interest Calculation

Line No.	Apr-15 30	May-15 31	Jun-15 30	Jul-15 31	Aug-15 31	Sep-15 30	Oct-15 31	Nov-15 30	Dec-15 31	Jan-16 31	Feb-16 29	Mar-16 31	Total (m)	
1	Beginning Balance	\$2,134,557	\$2,029,078	\$1,971,211	\$1,448,101	\$1,402,180	\$1,379,697	\$1,355,242	\$1,427,418	\$1,461,511	\$1,508,406	\$1,556,886		
2	Rebate Disbursements	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
3	Other Disbursements	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
4	Sub-total Disbursements	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
5	Forecasted Throughput from Docket 4323 (dth) L/XL Classes Res H, NH, Small & Medium C&I Classes	3,826,443 992,288 2,834,155	2,321,424 720,015 1,601,409	1,505,558 553,276 952,282	1,230,159 530,577 699,582	1,063,069 477,149 585,919	1,175,941 548,615 627,326	1,391,267 587,911 803,356	2,407,560 770,135 1,637,426	4,054,661 1,063,665 2,990,996	5,577,080 1,163,568 4,413,512	5,765,550 1,264,681 4,500,868	5,359,362 1,195,353 4,164,009	35,678,072 9,867,232 25,810,840
6	Base Rates Revenue	\$8,344	\$6,054	\$4,652	\$4,461	\$4,613	\$4,943	\$6,476	\$8,944	\$9,784	\$10,634	\$10,051	\$82,969	
7	Forecasted L/XL Classes	\$23,831	\$13,465	\$8,007	\$5,882	\$5,275	\$6,755	\$13,768	\$25,150	\$37,111	\$37,846	\$35,013	\$217,031	
8	Forecasted Res H, NH, Small & Medium C&I Classes	\$32,175	\$19,520	\$12,660	\$10,344	\$9,888	\$11,699	\$20,244	\$34,094	\$46,895	\$48,480	\$45,064	\$300,000	
9	Sub-total Revenue	(\$137,653)	(\$77,387)	(\$35,770)	(\$33,289)	(\$31,914)	(\$36,154)	(\$32,410)	\$0	\$0	\$0	\$0	\$0	
10	AGT Balance Refund													
11	AGT Balance Reconciliation													
12	AGT Interest Refund													
13	Ending Balance	\$2,029,078	\$1,971,211	\$1,448,101	\$1,425,155	\$1,402,180	\$1,379,697	\$1,355,242	\$1,461,511	\$1,508,406	\$1,556,886	\$1,601,951	(\$31,963)	

Line No.	Apr-15 30	May-15 31	Jun-15 30	Jul-15 31	Aug-15 31	Sep-15 30	Oct-15 31	Nov-15 30	Dec-15 31	Jan-16 31	Feb-16 29	Mar-16 31	Total (m)
14	Month's Average Balance	\$2,081,817	\$2,000,145	\$1,709,656	\$1,436,628	\$1,413,668	\$1,390,939	\$1,391,330	\$1,444,465	\$1,484,959	\$1,532,646	\$1,579,418	
15	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%	
16	Calculated Interest (not applied to balance)	\$2,133	\$2,118	\$1,752	\$1,521	\$1,497	\$1,425	\$1,448	\$1,682	\$1,887	\$1,822	\$2,007	\$20,718

- Column (a) Ending Balance per Docket 4573, SLN-3, Page 2 of 2
- Rebate to Toray Plastics of America.
- Line (2) + Line (3)
- Rate year forecast as presented in Docket 4323
- Large and Extra Large C&I throughput from Line (5) * \$0.0084 (AGT base rate). Actual revenue for these rate classes are reconciled through the Reconciliation Factor for Large and Extra Large C&I
- Res H, NH, Small & Medium throughput from Line (5) * \$0.0084 (AGT base rate). Actual revenue for these rate classes are reconciled through the Revenue Decoupling Mechanism (RDM).
- Line (7) + Line (8)
- Part of the \$1 million credited through the AGT factor as ordered in Docket 4514, YC-3C, Page 1 of 2.
- Reconciliation of \$1 million AGT balance refund ordered in Docket 4514. Ending March 2015 \$699,357 was returned (Docket 4573, Schedule SLN-3, Line 10, Column m). Ending March 2016, \$416,948 was returned (Line 10, Column m), an over credit of \$116,305.
- Interest earned for the period of April 2014 to March 2015 which was transferred to Recon Factor to reflect the true-up noted in Docket 4573, SLN-10S, Page 1 of 8, Line 9.
- Lines (1) - (4) + (9) + (10)
- Lines (11) + (12) / 2
- Per RIPUC NG-Gas No. 101, Section 3, Schedule A
- Column (m), total interest refunded to customers at SLN-10, Page 1, line 10 per Docket 4339 Settlement of Issues

**THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC DOCKET NO. 4634
SUPPLEMENTAL DISTRIBUTION ADJUSTMENT CHARGE FILING
WITNESS: SUHILA NOURI NUTILE**

Schedule SLN-4
Environmental Response Cost Factor

**National Grid - RI Gas
Environmental Response Cost (ERC) Factor
Effective November 1, 2016**

Line No.	Description	Reference	Amount
1	Amortization of Pre-FY2006 expenses	Page 3, Col L, Ln 3	\$0
2	Amortization of FY2006 expenses	Page 3, Col L, Ln 6	\$0
3	Amortization of FY2007 expenses - year 10 of 10	Page 3, Col L, Ln 9	(\$75,830)
4	Amortization of FY2008 expenses - year 9 of 10	Page 3, Col L, Ln 12	(\$4,575)
5	Amortization of FY2009 expenses - year 8 of 10	Page 3, Col L, Ln 15	\$96,575
6	Amortization of FY2010 expenses - year 7 of 10	Page 3, Col L, Ln 18	\$208,826
7	Amortization of FY2011 expenses - year 6 of 10	Page 3, Col L, Ln 21	\$452,295
8	Amortization of FY2012 expenses - year 5 of 10	Page 3, Col L, Ln 24	\$558,394
9	Amortization of FY2013 expenses - year 4 of 10	Page 3, Col L, Ln 27	\$136,852
10	Amortization of FY2014 expenses - year 3 of 10	Page 3, Col L, Ln 30	\$300,824
11	Amortization of FY2015 expenses - year 2 of 10	Page 3, Col L, Ln 33	\$112,908
12	Amortization of FY2016 expenses - year 1 of 10	Page 3, Col L, Ln 36	<u>\$111,792</u>
13		Subtotal	<u>\$1,898,061</u>
14	Base Rate Environmental Cost Allowance		\$1,310,000
15	Cost in excess of Allowance		\$588,061
16	Firm Throughput		39,347,340 dths
17	Environmental Response Cost Factor per dekatherm		\$0.0140 per dth
18	Environmental Response Cost Factor per therm		\$0.0014 per therm
13	Sum of Lines (1) to (12)		
14	Docket 4323		
15	Line (13) - Line (14)		
16	Company Forecast		
17	Line (15) / Line (16)		
18	Line (17) / 10, truncated to 4 decimal places		

National Grid - RI Gas
Environmental Response Cost (ERC) Factor
ERC Amortization Schedule

Line No.	FY2006 (a)	FY2007 (b)	FY2008 (c)	FY2009 (d)	FY2010 (e)	FY2011 (f)	FY2012 (g)	FY2013 (h)	FY2014 (i)	FY2015 (j)	FY2016 (k)
<u>ENVIRONMENTAL AMORTIZATION</u>											
1											
2											
3	\$136,707	\$13,671	\$13,671	\$13,671	\$13,671	\$13,671	\$13,671	\$13,671	\$13,671	\$13,668	\$0
4											
5	\$436,020	\$43,602	\$43,602	\$43,602	\$43,602	\$43,602	\$43,602	\$43,602	\$43,602	\$43,602	\$43,602
6											
7											
8	(\$758,291)										
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(1) Amortization Expense is shown on a June 30 basis

Line No.		FY2017 (l)	FY2018 (m)	FY2019 (n)	FY2020 (o)	FY2021 (p)	FY2022 (q)	FY2023 (r)	FY2024 (s)	FY2025 (t)	FY2026 (u)
<u>ENVIRONMENTAL AMORTIZATION</u>											
1	FY 2005										
2	NET ERC costs net of insurance	\$136,707									
3	Amortization Period (years)	10									
4	FY 2006										
5	NET ERC costs net of insurance	\$436,020									
6	Amortization Period (years)	10									
7	FY 2007										
8	NET ERC costs net of insurance	(\$758,291)	\$0								
9	Amortization Period (years)	10									
10	FY 2008 & adjustment for FY2007										
11	NET ERC costs net of insurance	(\$45,755)									
12	Amortization Period (years)	10									
13	FY 2009										
14	NET ERC costs net of insurance	\$965,754	\$96,575	\$96,579	\$0						
15	Amortization Period (years)	10									
16	FY 2010										
17	NET ERC costs net of insurance	\$2,088,264	\$208,826	\$208,826	\$208,830	\$0					
18	Amortization Period (years)	10									
19	FY 2011										
20	NET ERC costs net of insurance	\$4,522,947	\$452,295	\$452,295	\$452,295	\$452,292	\$0				
21	Amortization Period (years)	10									
22	FY 2012										
23	NET ERC costs net of insurance	\$5,583,936	\$558,394	\$558,394	\$558,394	\$558,394	\$558,390	\$0			
24	Amortization Period (years)	10									
25	FY 2013										
26	NET ERC costs net of insurance	\$1,368,521	\$136,852	\$136,852	\$136,852	\$136,852	\$136,852	\$136,853	\$0		
27	Amortization Period (years)	10									
28	FY 2014										
29	NET ERC costs net of insurance	\$3,008,237	\$300,824	\$300,824	\$300,824	\$300,824	\$300,824	\$300,824	\$300,821	\$0	
30	Amortization Period (years)	10									
31	FY 2015										
32	NET ERC costs net of insurance	\$1,129,080	\$112,908	\$112,908	\$112,908	\$112,908	\$112,908	\$112,908	\$112,908	\$112,908	\$0
33	Amortization Period (years)	10									
34	FY 2016										
35	NET ERC costs net of insurance	\$1,117,923	\$111,792	\$111,792	\$111,792	\$111,792	\$111,792	\$111,792	\$111,792	\$111,792	\$111,795
36	Amortization Period (years)	10									
37	Amortization Expense sub-total	\$1,898,061	\$1,973,886	\$1,978,470	\$1,881,895	\$1,673,062	\$1,220,766	\$662,377	\$525,521	\$224,700	\$111,795
<u>ENVIRONMENTAL REMEDIATION COSTS</u>											
38	Beginning Balance	\$25,577,962	\$25,577,962	\$25,577,962	\$25,577,962	\$25,577,962	\$25,577,962	\$25,577,962	\$25,577,962	\$25,577,962	\$25,577,962
39	Environmental Expenditures, net of Insurance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
40	Ending Balance	\$25,577,962	\$25,577,962	\$25,577,962	\$25,577,962	\$25,577,962	\$25,577,962	\$25,577,962	\$25,577,962	\$25,577,962	\$25,577,962
<u>ACCUMULATED ENVIRONMENTAL REMEDIATION</u>											
42	Beginning Balance	\$13,427,429	\$15,325,490	\$17,299,376	\$19,277,846	\$21,159,741	\$22,832,803	\$24,053,569	\$24,715,946	\$25,241,467	\$25,466,167
43	Amortization Expense (1)	\$1,898,061	\$1,973,886	\$1,978,470	\$1,881,895	\$1,673,062	\$1,220,766	\$662,377	\$525,521	\$224,700	\$111,795
44	Ending Balance	\$15,325,490	\$17,299,376	\$19,277,846	\$21,159,741	\$22,832,803	\$24,053,569	\$24,715,946	\$25,241,467	\$25,466,167	\$25,577,962
45	NET ENVIRONMENTAL REMEDIATION COSTS	\$10,252,472	\$8,278,586	\$6,300,116	\$4,418,221	\$2,745,159	\$1,524,393	\$862,017	\$336,495	\$111,795	\$0

(1) Amortization Expense is shown on a June 30 basis

**National Grid - RI Gas
Environmental Response Cost (ERC) Factor
ERC FY 2016 Detail**

Line No.		Total Costs at		Total Costs at
		3/31/2015 (a)	FY 2016 Costs (b)	3/31/2016 (c) = (a) + (b)
1	Environmental Expenses			
2	907 & 908 Allens Avenue	\$20,447,889	\$335,398	\$20,783,287
3	307 PCB Reg Pipe Abandon.	\$1,180,491	\$212,663	\$1,393,153
4	379 Petroleum Site	\$7,900,756	\$85,305	\$7,986,062
5	700 18 & 21 Holders COR	\$2,776,743	\$0	\$2,776,743
6	161 Canal Street, Westerly	\$29,133	\$0	\$29,133
7	178 Site Inv Connell Hwy Newp	\$44,092	\$0	\$44,092
8	144 Westerly Soil Investigation	\$82,184	\$0	\$82,184
9	171 Contaminated Regulators	\$3,073,261	\$21,567	\$3,094,828
10	781 Mendon Road	\$121,355	\$0	\$121,355
11	782 Tidewater	\$1,380,435	\$162,383	\$1,542,818
12	783 Hamlet	\$121,255	\$19,274	\$140,529
13	-- Thames & Wellington	\$5,512,490	\$127,832	\$5,640,322
14	-- Misc MGP (NEG)	\$338,700	\$34,190	\$372,890
15	-- Insurance Recovery	\$1,245,516	\$56,673	\$1,302,189
16	-- East Providence (First Ave) Holder	\$270,887	\$60,403	\$331,289
17	-- 560 Thames Street Newp	\$0	\$2,237	\$2,237
18	Sub-Total	\$44,525,187	\$1,117,923	\$45,643,110
19	Insurance Recovery/Settlement			
20	910 Environmental Insurance Settlement		\$0	
21	Net FY 2016 Environmental Response Costs		<u>\$1,117,923</u>	

1-18 Col (a): Docket 4573, SLN-4, Page 4, Col (c)

1-18 Col (b): Annual Environmental Report for Gas Service, Period of April 1, 2015 - March 31, 2016

21 Line (18), col (b) + Line (20)

**THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC DOCKET NO. 4634
SUPPLEMENTAL DISTRIBUTION ADJUSTMENT CHARGE FILING
WITNESS: SUHILA NOURI NUTILE**

Schedule SLN-5S
Pensions and Post Retirement Benefits Factor

**National Grid - RI Gas
Pension Adjustment Factors
Effective November 1, 2016**

Line No.	<u>Pension Factor</u>	
1	Pension Reconciliation	(\$93,635)
2	Carrying Charges	(\$204,381)
3	Total Pension Cost	(\$298,016)
4	Firm Throughput	39,347,340 dth
5	Pension Factor per dth	(\$0.0070) per dth
6	Pension Factor per therm	(\$0.0007) per therm
	<u>PBOP Factor</u>	
7	PBOP Reconciliation	(\$1,855,809)
8	Carrying Charges	\$0
9	Total PBOP Cost	(\$1,855,809)
10	Firm Throughput	39,347,340
11	PBOP Factor per dth	(\$0.0470) per dth
12	PBOP Factor per therm	(\$0.0047) per therm
	<u>Pension & PBOP Factor Combined</u>	
13	Pension & PBOP Factor per dth	(\$0.0540) per dth
14	Pension & PBOP Factor per therm	(\$0.0054) per therm

- 1 WRR-1 Revised, Page 1, Line 11
- 2 WRR-1 Revised, Page 1, Line 12
- 3 Line (1) + Line (2)
- 4,10 Company Forecast
- 5 Line (3) / Line (4)
- 6 Line (5) / 10
- 7 WRR-1 Revised, Page 2, Line 11
- 8 WRR-1 Revised, Page 2, Line 12
- 9 Line (7) + Line (8)
- 11 Line (9) / Line (10)
- 12 Line (11) / 10
- 13 Line (5) + Line (11)
- 14 Line (6) + Line (12)

**THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC DOCKET NO. 4634
SUPPLEMENTAL DISTRIBUTION ADJUSTMENT CHARGE FILING
WITNESS: SUHILA NOURI NUTILE**

Schedule SLN-6
On-System Margin Credits Factor

**National Grid - RI Gas
On-System Margin Factor
Effective November 1, 2016**

Line No.		
1	Threshold	\$1,435,656
2	Total Non-firm margin	\$1,499,331
3	Margin above the Threshold	(\$63,674)
4	Firm Throughput	39,347,340 dth
5	On-System Margin Credit per dth	(\$0.0010) per dth
6	On-System Margin Credit per therm	(\$0.0001) per therm

- 1 Page 3, Col (g), Ln 4
- 2 Page 2, Col (m), Ln 5
- 3 Line (1) - Line (2)
- 4 Company forecast
- 5 Line (3) / Line (4)
- 6 Line (5) / 10, truncated to 4 decimal places

**National Grid - RI Gas
On-System Margin Calculation**

Line No.	Apr-15 (a)	May-15 (b)	Jun-15 (c)	Jul-15 (d)	Aug-15 (e)	Sep-15 (f)	Oct-15 (g)	Nov-15 (h)	Dec-15 (i)	Jan-16 (j)	Feb-16 (k)	Mar-16 (l)	Total Apr-15-Mar-16 (m)
1	171,871	147,785	136,704	164,111	161,300	175,484	160,869	184,606	149,357	101,492	128,108	152,367	1,834,057
2	\$335,297	\$212,283	\$216,339	\$247,730	\$240,719	\$257,549	\$283,810	\$356,340	\$335,920	\$141,126	\$362,030	\$279,281	\$3,268,424
3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$27	\$0	\$0	\$27
4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$16,167)	\$952	\$0	\$0	(\$15,215)
5	\$142,488	\$118,153	\$108,955	\$128,104	\$126,975	\$137,421	\$130,255	\$151,479	\$126,902	\$86,183	\$112,713	\$129,702	\$1,499,331

- 1 Page 5, column (f), total/10
- 2 Page 5, column (r), total
- 3 Page 5, column (p), total
- 4 Page 5, column (g), total
- 5 Page 5, column (u), total

National Grid - RI Gas
On-System Margin Threshold Adjustment

Customers moving from Non-firm to Firm service per Settlement Agreement of Docket No. 4323

Line No.	(a) Assigned #	(b) Test year usage for Apr 2011-Oct 2011 (therm)	(c) Distribution rate approved in Dkt 4323 (per therm)	(d) Calculated annual margin (b) * (c)
	<u>April 2015 - March 2016</u>			
1	5	529,774	\$0.0733	\$38,832
2	15	541,530	\$0.0912	\$49,388
3	Total			\$88,220

Calculation of Adjustment to On-System Margin Threshold Approved in Docket No. 4323

	(e) Annual Non-firm Threshold per Dkt 4573	(f) Adjustment to Non-firm Threshold (d), line 3	(g) Adjusted Annual Non-firm Threshold (e) - (f)
4	\$1,523,876	\$88,220	\$1,435,656

Column (b), Customers 5 and 15 transferred to firm service as of November 2014, their usage for Nov 2011-Mar 2011 was adjusted in Docket 4573, SLN-6, page 3.

Column (e), Line 4, per Docket 4573, SLN-6, page 3, Line 4, Column (g).

Assigned #	Month Changes Apply To	Bill Date (moyr)	Sales or Trans	Customer Charge	Usage (thems)	Commodity charge (per them)	Commodity rate	Distribution charge	Distribution rate	Sales tax	GET	Energy Efficiency Surcharge	Paperless credit	Other charges	Curtailments - Distribution	Curtailments - Commodity Charge	Total Bill	Revenue subject to Margin Sharing	Total Gas Cost (Col g + Col q)	Total Margin	Comment
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)
6	Apr-15	Apr-15	Apr-15 Trans	\$485	13,505	N/A		\$990	0.00733	\$0	\$0	\$860		\$1			\$2,336	\$1,475	\$0	\$1,475	
8	Apr-15	Apr-15	Apr-15 Trans	\$715	849,553	N/A		\$62,272	0.00733	\$0	\$3,622	\$54,117		\$1			\$120,726	\$62,987	\$0	\$62,987	
14	Apr-15	Apr-15	Apr-15 Sales	\$625	233,022	\$68,888	\$0,2956	\$21,252	0.00912	\$0	\$3,366	\$14,844		\$1			\$108,878	\$90,765	\$68,888	\$21,877	
16	Apr-15	Apr-15	Apr-15 Trans	\$715	325,429	N/A		\$29,679	0.00912	\$0	\$0	\$20,730		\$1			\$51,125	\$30,394	\$0	\$30,394	
17	Apr-15	Apr-15	Apr-15 Trans	\$485	33,260	N/A		\$2,438	0.00733	\$0	\$0	\$119		\$1			\$5,042	\$2,923	\$0	\$2,923	
19	Apr-15	Apr-15	Apr-15 Trans	\$715	15,505	N/A		\$1,137	0.00733	\$0	\$0	\$988		\$1			\$2,840	\$1,852	\$0	\$1,852	
20	Apr-15	Apr-15	Apr-15 Trans	\$715	52,234	N/A		\$3,929	0.00733	\$0	\$12	\$3,327		(\$0)			\$7,884	\$4,543	\$0	\$4,543	
28	Apr-15	Apr-15	Apr-15 Sales	\$625	39,075	\$11,552	\$0,2956	\$2,664	0.00733	\$0	\$339	\$2,469		\$1			\$17,531	\$11,552	\$0	\$11,552	
26	Apr-15	Apr-15	Apr-15 Trans	\$715	74,707	N/A		\$5,476	0.00733	\$0	\$0	\$888		\$1			\$11,289	\$6,191	\$0	\$6,191	
55	Apr-15	Apr-15	Apr-15 Trans	\$0	13,953	N/A		\$1,021	0.00733	\$0	\$3	\$0		\$1			\$1,912	\$1,021	\$0	\$1,021	
67	Apr-15	Apr-15	Apr-15 Trans	\$715	68,490	N/A		\$5,020	0.00733	\$0	\$0	\$0		\$1			\$2,488	\$1,557	\$0	\$1,557	
6	May-15	May-15	May-15 Trans	\$485	14,618	N/A		\$1,072	0.00733	\$0	\$0	\$931		\$1			\$127,805	\$66,661	\$0	\$66,661	
8	May-15	May-15	May-15 Sales	\$625	28,669	\$8,126	\$0,2834	\$6,946	0.00733	\$0	\$3,834	\$57,309		\$1			\$11,365	\$8,126	\$0	\$8,126	
14	May-15	May-15	May-15 Trans	\$715	156,646	N/A		\$12,286	0.00912	\$0	\$408	\$1,826		(\$19,056)			\$5,924	\$15,001	\$0	\$15,001	
16	May-15	May-15	May-15 Trans	\$485	53,897	N/A		\$2,611	0.00733	\$0	\$0	\$2,287		\$263			\$5,666	\$3,116	\$0	\$3,116	
17	May-15	May-15	May-15 Trans	\$715	23,979	N/A		\$1,758	0.00733	\$0	\$0	\$1,527		\$1			\$4,001	\$2,473	\$0	\$2,473	
19	May-15	May-15	May-15 Trans	\$485	37,130	N/A		\$2,722	0.00733	\$0	\$9	\$2,365		(\$0)			\$5,811	\$3,436	\$0	\$3,436	
20	May-15	May-15	May-15 Trans	\$715	53,833	N/A		\$3,946	0.00733	\$0	\$9	\$3,429		\$1			\$23,259	\$19,829	\$0	\$19,829	
28	May-15	May-15	May-15 Sales	\$625	68,031	\$15,258	\$0,2834	\$4,987	0.00733	\$0	\$310	\$776		\$1			\$10,346	\$5,702	\$0	\$5,702	
36	May-15	May-15	May-15 Trans	\$715	12,187	N/A		\$893	0.00733	\$0	\$3	\$0		\$66			\$1,738	\$893	\$0	\$893	
55	May-15	May-15	May-15 Trans	\$0	147,189	N/A		\$10,789	0.00733	\$0	\$0	\$0		\$1			\$11,504	\$0	\$0	\$11,504	
67	May-15	May-15	May-15 Trans	\$485	23,160	N/A		\$1,698	0.00733	\$0	\$0	\$1,475		\$1			\$3,659	\$2,183	\$0	\$2,183	
6	Jun-15	Jun-15	Jun-15 Trans	\$715	877,275	N/A		\$64,304	0.00733	\$0	\$3,739	\$55,882		\$1			\$124,642	\$65,019	\$0	\$65,019	
8	Jun-15	Jun-15	Jun-15 Sales	\$625	603	\$189	\$0,3134	\$55	0.00912	\$0	\$28	\$38		\$279			\$1,214	\$869	\$189	\$869	
14	Jun-15	Jun-15	Jun-15 Trans	\$715	124,582	N/A		\$11,362	0.00912	\$0	\$0	\$7,936		\$817			\$20,830	\$12,077	\$0	\$12,077	
16	Jun-15	Jun-15	Jun-15 Trans	\$485	51,495	N/A		\$3,702	0.00733	\$0	\$0	\$3,280		(\$527)			\$7,013	\$4,260	\$0	\$4,260	
17	Jun-15	Jun-15	Jun-15 Trans	\$715	53,050	N/A		\$3,889	0.00733	\$0	\$0	\$3,379		\$1			\$7,984	\$4,604	\$0	\$4,604	
19	Jun-15	Jun-15	Jun-15 Trans	\$485	20,910	N/A		\$1,533	0.00733	\$0	\$6	\$1,332		\$1			\$2,247	\$0	\$0	\$2,247	
20	Jun-15	Jun-15	Jun-15 Trans	\$715	58,289	\$20,463	\$0,3134	\$4,786	0.00733	\$0	\$6	\$4,159		(\$0)			\$30,033	\$25,874	\$20,463	\$5,411	
28	Jun-15	Jun-15	Jun-15 Sales	\$625	65,893	N/A		\$4,324	0.00733	\$0	\$272	\$3,758		\$1			\$9,070	\$5,039	\$0	\$5,039	
36	Jun-15	Jun-15	Jun-15 Trans	\$715	78,745	N/A		\$5,772	0.00733	\$0	\$3	\$824		\$46			\$1,822	\$949	\$0	\$949	
55	Jun-15	Jun-15	Jun-15 Trans	\$485	26,277	N/A		\$1,926	0.00733	\$0	\$0	\$0		\$1			\$6,487	\$6,487	\$0	\$6,487	
67	Jun-15	Jun-15	Jun-15 Trans	\$715	1,017,504	N/A		\$74,933	0.00733	\$0	\$4,333	\$64,835		\$1			\$144,447	\$75,298	\$0	\$75,298	
6	Jul-15	Jul-15	Jul-15 Trans	\$625	603	\$189	\$0,3134	\$55	0.00912	\$0	\$28	\$38		\$1			\$936	\$869	\$189	\$869	
8	Jul-15	Jul-15	Jul-15 Sales	\$625	603	(\$189)	\$0,3134	(\$35)	0.00912	\$0	(\$28)	(\$38)		(\$1)			(\$936)	(\$869)	(\$189)	(\$869)	
14	Jul-15	Jul-15	Jul-15 Sales	\$625	603	(\$189)	\$0,3134	(\$35)	0.00912	\$0	(\$28)	(\$38)		(\$1)			(\$936)	(\$869)	(\$189)	(\$869)	
16	Jul-15	Jul-15	Jul-15 Trans	\$715	107,624	N/A		\$9,815	0.00912	\$0	\$0	\$6,856		\$261			\$17,647	\$10,530	\$0	\$10,530	
17	Jul-15	Jul-15	Jul-15 Trans	\$485	34,995	N/A		\$2,565	0.00733	\$0	\$0	\$2,229		\$7			\$5,287	\$3,050	\$0	\$3,050	
19	Jul-15	Jul-15	Jul-15 Trans	\$715	69,257	N/A		\$5,077	0.00733	\$0	\$0	\$4,412		\$1			\$10,204	\$5,792	\$0	\$5,792	
20	Jul-15	Jul-15	Jul-15 Trans	\$715	29,168	N/A		\$2,138	0.00733	\$0	\$7	\$1,858		\$1			\$4,719	\$2,853	\$0	\$2,853	
28	Jul-15	Jul-15	Jul-15 Sales	\$625	83,821	\$22,372	\$0,2669	\$6,144	0.00733	\$0	\$7	\$5,339		(\$0)			\$34,481	\$29,141	\$22,372	\$6,769	
36	Jul-15	Jul-15	Jul-15 Trans	\$715	66,701	N/A		\$4,889	0.00733	\$0	\$305	\$4,249		\$1			\$10,158	\$5,604	\$0	\$5,604	
55	Jul-15	Jul-15	Jul-15 Trans	\$0	12,115	N/A		\$888	0.00733	\$0	\$3	\$772		\$45			\$1,708	\$888	\$0	\$888	
67	Jul-15	Jul-15	Jul-15 Trans	\$485	193,644	N/A		\$14,194	0.00733	\$0	\$0	\$0		\$85			\$14,994	\$14,909	\$0	\$14,909	
6	Aug-15	Aug-15	Aug-15 Trans	\$715	26,440	N/A		\$1,938	0.00733	\$0	\$0	\$1,684		\$1			\$4,108	\$2,423	\$0	\$2,423	
8	Aug-15	Aug-15	Aug-15 Trans	\$715	1,057,997	N/A		\$77,551	0.00733	\$0	\$4,505	\$67,394		\$1			\$150,166	\$78,266	\$0	\$78,266	
14	Aug-15	Aug-15	Aug-15 Sales	\$625	0	\$0		\$19	0.00912	\$0	\$19	\$0		\$1			\$645	\$625	\$0	\$625	
16	Aug-15	Aug-15	Aug-15 Sales	\$625	0	\$0		\$0	0.00912	\$0	\$19	\$0		\$1			\$645	\$625	\$0	\$625	
17	Aug-15	Aug-15	Aug-15 Trans	\$485	89,780	N/A		\$8,188	0.00912	\$0	\$0	\$5,719		\$1			\$14,623	\$8,903	\$0	\$8,903	
19	Aug-15	Aug-15	Aug-15 Trans	\$715	36,052	N/A		\$2,643	0.00733	\$0	\$0	\$2,297		\$1			\$5,425	\$3,128	\$0	\$3,128	
20	Aug-15	Aug-15	Aug-15 Trans	\$715	43,540	N/A		\$3,191	0.00733	\$0	\$0	\$2,773		\$1			\$6,681	\$3,906	\$0	\$3,906	
28	Aug-15	Aug-15	Aug-15 Trans	\$625	37,832	N/A		\$2,773	0.00733	\$0	\$9	\$2,410		(\$0)			\$5,908	\$3,488	\$0	\$3,488	
36	Aug-15	Aug-15	Aug-15 Sales	\$625	78,519	\$18,253	\$0,2325	\$5,755	0.00733	\$0	\$9	\$5,002		\$1			\$29,636	\$24,634	\$18,253	\$6,380	
55	Aug-15	Aug-15	Aug-15 Trans	\$715	43,413	N/A		\$3,182	0.00733	\$0	\$206	\$2,765		\$1			\$6,869	\$3,897	\$0	\$3,897	
67	Aug-15	Aug-15	Aug-15 Trans	\$0	10,608	N/A		\$778	0.00733	\$0	\$2	\$676		\$1			\$1,456	\$778	\$0	\$778	
6	Sep-15	Sep-15	Sep-15 Trans	\$485	28,636	N/A		\$1,841	0.00733	\$0	\$0	\$0		\$1			\$14,556	\$14,556	\$0	\$14,556	
8	Sep-15	Sep-15	Sep-15 Trans	\$715	978,399	N/A		\$2,009	0.00733	\$0	\$1	\$1,824		\$1			\$4,409	\$2,584	\$0	\$2,584	
14	Sep-15	Sep-15	Sep-15 Sales	\$625	1,105	\$277	\$0,2509	\$717	0.00733	\$0	\$4,168	\$62,324		\$699			\$139,622	\$72,432	\$0	\$72,432	
16	Sep-15	Sep-15	Sep-15 Trans	\$715	126,371	N/A		\$101	0.00912	\$0	\$33	\$70		\$171			\$20,473	\$11,002	\$0	\$11,002	
17	Sep-15	Sep-15	Sep-15 Trans	\$485	29,297	N/A		\$11,525	0.00912	\$0	\$0	\$8,050		\$184			\$20,473	\$12,240	\$0	\$12,240	
19	Sep-15	S																			

Assigned #	Month	Charges Apply To	Bill Date	Sales or Trans	Customer Charge	Usage (therms)	Commodity Charge	Commodity rate (per therm)	Distribution charge	Distribution rate	Sales tax	GET	Energy Efficiency Surcharge	Paperless credit	Other charges	Curtailments - Distribution	Curtailments - Commodity Charge	Total Bill	Revenue subject to Margin Sharing	Total Gas Cost (Col g + Col q)	Total Margin	Comment
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)
16	Oct-15	Oct-15 Trans	7/15	242,729	N/A	0	\$0	\$0	\$22,137	0.0733	\$0	\$0	\$15,462	\$0	\$1	\$0	\$0	\$38,315	\$22,852	\$0	\$22,852	
17	Oct-15	Oct-15 Trans	8/15	30,389	N/A	0	\$0	\$0	\$2,227	0.0733	\$0	\$0	\$1,936	\$0	\$1	\$0	\$0	\$4,656	\$2,712	\$0	\$2,712	
19	Oct-15	Oct-15 Trans	7/15	66,440	N/A	0	\$0	\$0	\$4,870	0.0733	\$0	\$0	\$4,232	\$0	\$1	\$0	\$0	\$9,818	\$5,585	\$0	\$5,585	
20	Oct-15	Oct-15 Trans	7/15	46,422	N/A	0	\$0	\$0	\$3,403	0.0733	\$0	\$14	\$2,957	(\$0)	\$1	\$0	\$0	\$7,089	\$4,117	\$0	\$4,117	
28	Oct-15	Oct-15 Sales	8/25	89,688	\$22,783	0	\$0	\$0	\$6,574	0.0733	\$0	\$274	\$3,780	\$1	\$1	\$0	\$0	\$35,695	\$29,982	\$22,783	\$7,199	
26	Oct-15	Oct-15 Trans	7/15	59,337	N/A	0	\$0	\$0	\$4,349	0.0733	\$0	\$2	\$700	\$22	\$1	\$0	\$0	\$9,118	\$5,064	\$0	\$5,064	
55	Oct-15	Oct-15 Trans	8/0	10,987	N/A	0	\$0	\$0	\$895	0.0733	\$0	\$2	\$700	\$22	\$1	\$0	\$0	\$1,529	\$895	\$0	\$895	
67	Oct-15	Oct-15 Trans	7/15	22,218	N/A	0	\$0	\$0	\$1,702	0.0733	\$0	\$0	\$1,296	\$0	\$1	\$0	\$0	\$2,722	\$2,417	\$0	\$2,417	
6	Nov-15	Nov-15 Trans	8/15	20,343	N/A	0	\$0	\$0	\$1,491	0.0733	\$0	\$2,851	\$4,257	\$1	\$1	\$0	\$0	\$9,787	\$49,651	\$0	\$49,651	
8	Nov-15	Nov-15 Sales	8/25	667,614	N/A	0	\$0	\$0	\$20,698	0.0912	\$0	\$3,223	\$14,487	\$2,841	\$1	\$0	\$0	\$107,431	\$89,750	\$68,427	\$21,323	
14	Nov-15	Nov-15 Trans	7/15	312,319	N/A	0	\$0	\$0	\$28,483	0.0912	\$0	\$0	\$19,895	\$1	\$1	\$0	\$0	\$49,094	\$29,198	\$0	\$29,198	
17	Nov-15	Nov-15 Trans	8/15	56,461	N/A	0	\$0	\$0	\$4,139	0.0733	\$0	\$0	\$3,597	\$1	\$1	\$0	\$0	\$8,221	\$4,624	\$0	\$4,624	
19	Nov-15	Nov-15 Trans	7/15	38,106	N/A	0	\$0	\$0	\$2,793	0.0733	\$0	\$13	\$2,427	\$1	\$1	\$0	\$0	\$5,936	\$3,508	\$0	\$3,508	
20	Nov-15	Nov-15 Trans	7/15	53,973	N/A	0	\$0	\$0	\$3,936	0.0733	\$0	\$13	\$3,438	(\$0)	\$1	\$0	\$0	\$8,122	\$4,671	\$0	\$4,671	
28	Nov-15	Nov-15 Sales	8/25	90,902	\$27,407	0	\$0	\$0	\$6,663	0.0733	\$0	\$0	\$5,790	\$1	\$1	\$0	\$0	\$40,486	\$34,695	\$27,407	\$7,288	
36	Nov-15	Nov-15 Trans	7/15	78,066	N/A	0	\$0	\$0	\$5,722	0.0733	\$0	\$33	\$4,973	\$1	\$1	\$0	\$0	\$11,764	\$6,437	\$0	\$6,437	
55	Nov-15	Nov-15 Trans	8/0	20,964	N/A	0	\$0	\$0	\$1,537	0.0733	\$0	\$4	\$1,335	\$0	\$1	\$0	\$0	\$2,877	\$1,537	\$0	\$1,537	
67	Nov-15	Nov-15 Trans	8/15	10,719	N/A	0	\$0	\$0	\$786	0.0733	\$0	\$0	\$683	\$1	\$1	\$0	\$0	\$2,266	\$1,265	\$0	\$1,265	
6	Dec-15	Dec-15 Trans	8/15	630,096	N/A	0	\$0	\$0	\$46,186	0.0733	\$0	\$2,692	\$40,137	\$2,841	\$1	\$0	\$0	\$1,954	\$46,901	\$0	\$46,901	
8	Dec-15	Dec-15 Sales	8/25	259,269	N/A	0	\$0	\$0	\$23,645	0.0912	\$0	\$4,207	\$16,515	\$797	\$1	\$0	\$0	\$141,022	\$119,502	\$95,232	\$24,270	
14	Dec-15	Dec-15 Trans	7/15	346,714	N/A	0	\$0	\$0	\$31,620	0.0912	\$0	\$0	\$22,086	\$1,093	\$1	\$0	\$0	\$55,514	\$32,335	\$0	\$32,335	
16	Jan-14	Dec-15 Trans	8/0	(245)	N/A	0	\$0	\$0	\$0	0.0912	\$0	\$0	\$0	(\$3,419)	\$0	\$0	\$0	(\$3,419)	\$0	(\$3,419)	\$0	Return of curtailment for 2.
16	Jan-14	Dec-15 Trans	8/0	(656)	N/A	0	\$0	\$0	\$0	0.0912	\$0	\$0	\$0	(\$12,748)	\$0	\$0	\$0	(\$12,748)	\$0	(\$12,748)	\$0	Return of curtailment for 6
17	Dec-15	Dec-15 Trans	8/15	28,504	N/A	0	\$0	\$0	\$2,089	0.0733	\$0	\$0	\$1,816	\$14	\$1	\$0	\$0	\$4,404	\$2,574	\$0	\$2,574	
19	Dec-15	Dec-15 Trans	7/15	4,481	N/A	0	\$0	\$0	\$328	0.0733	\$0	\$0	\$285	\$1	\$1	\$0	\$0	\$1,330	\$1,043	\$0	\$1,043	
20	Dec-15	Dec-15 Trans	7/15	54,561	N/A	0	\$0	\$0	\$3,999	0.0733	\$0	\$13	\$3,476	(\$0)	\$1	\$0	\$0	\$8,203	\$4,714	\$0	\$4,714	
28	Dec-15	Dec-15 Sales	8/25	60,134	\$22,088	0	\$0	\$0	\$4,408	0.0733	\$0	\$38	\$3,831	\$1	\$1	\$0	\$0	\$30,952	\$27,121	\$22,088	\$5,033	
36	Dec-15	Dec-15 Trans	7/15	86,415	N/A	0	\$0	\$0	\$6,334	0.0733	\$0	\$388	\$5,505	\$1	\$1	\$0	\$0	\$12,943	\$7,049	\$0	\$7,049	
55	Dec-15	Dec-15 Trans	8/0	13,583	N/A	0	\$0	\$0	\$996	0.0733	\$0	\$3	\$865	\$77	\$1	\$0	\$0	\$1,254	\$996	\$0	\$996	
67	Dec-15	Dec-15 Trans	8/15	0	N/A	0	\$0	\$0	\$0	0.0733	\$0	\$0	\$0	\$539	\$77	\$1	\$0	\$1,254	\$896	\$0	\$896	
6	Jan-16	Jan-16 Trans	8/15	541,254	N/A	0	\$0	\$0	\$39,674	0.0733	\$0	\$2,064	\$26,359	(\$116)	\$1	\$0	\$0	\$71,653	\$40,389	\$0	\$40,389	
8	Jan-16	Jan-16 Sales	8/25	193,079	\$100,839	0	\$0	\$0	\$17,609	0.0912	\$0	\$4,004	\$9,403	\$162	\$1	\$0	\$0	\$132,641	\$119,973	\$100,839	\$18,234	
14	Jan-16	Jan-16 Trans	8/0	301	N/A	0	\$0	\$0	\$0	0.0912	\$0	\$0	\$15	(\$9,418)	(\$1)	\$0	\$0	\$994	\$952	\$27	\$27	Curtailment 301 therms
14	Jan-16	Jan-16 Sales	8/25	(193,380)	(\$100,996)	0	\$0	\$0	(\$17,636)	0.0912	\$0	(\$3,980)	(\$9,418)	(\$1)	\$1	\$0	\$0	(\$132,641)	(\$100,996)	(\$100,996)	(\$31,261)	Canceled January 2016 bill
16	Jan-16	Jan-16 Trans	7/15	329,855	N/A	0	\$0	\$0	\$30,083	0.0912	\$0	\$16,064	\$16,064	\$1	\$1	\$0	\$0	\$46,862	\$30,798	\$0	\$30,798	
17	Jan-16	Jan-16 Trans	8/15	1,484	N/A	0	\$0	\$0	\$109	0.0733	\$0	\$0	\$72	(\$554)	\$1	\$0	\$0	\$112	\$594	\$0	\$594	
19	Jan-16	Jan-16 Trans	7/15	0	N/A	0	\$0	\$0	\$0	0.0733	\$0	\$0	\$0	\$0	\$1	\$0	\$0	\$716	\$715	\$0	\$715	
20	Jan-16	Jan-16 Trans	7/15	53,081	N/A	0	\$0	\$0	\$3,891	0.0733	\$0	\$11	\$2,585	(\$0)	\$1	\$0	\$0	\$7,202	\$4,606	\$0	\$4,606	
28	Jan-16	Jan-16 Sales	8/25	0	\$0	0	\$0	\$0	\$0	0.0733	\$0	\$0	\$0	\$0	\$1	\$0	\$0	\$626	\$625	\$0	\$625	
36	Jan-16	Jan-16 Trans	7/15	68,719	N/A	0	\$0	\$0	\$5,037	0.0733	\$0	\$281	\$3,347	\$1	\$1	\$0	\$0	\$9,381	\$5,752	\$0	\$5,752	
55	Jan-16	Jan-16 Trans	8/0	20,530	N/A	0	\$0	\$0	\$1,505	0.0733	\$0	\$4	\$1,000	\$1	\$1	\$0	\$0	\$2,509	\$1,505	\$0	\$1,505	
67	Jan-16	Jan-16 Trans	7/15	0	N/A	0	\$0	\$0	\$0	0.0733	\$0	\$0	\$0	\$0	\$1	\$0	\$0	\$716	\$715	\$0	\$715	
6	Feb-16	Feb-16 Trans	8/15	485,519	N/A	0	\$0	\$0	\$35,589	0.0733	\$0	\$1,854	\$23,645	\$0	\$1	\$0	\$0	\$486	\$485	\$0	\$485	
8	Feb-16	Feb-16 Trans	7/15	125,593	N/A	0	\$0	\$0	\$11,454	0.0912	\$0	\$2,760	\$6,116	\$2,841	\$1	\$0	\$0	\$64,643	\$36,304	\$0	\$36,304	
14	Feb-16	Feb-16 Sales	8/25	193,380	\$71,056	0	\$0	\$0	\$17,636	0.0912	\$0	\$3,980	\$9,418	\$1	\$1	\$0	\$0	\$92,012	\$83,135	\$71,056	\$12,079	
16	Feb-16	Feb-16 Trans	7/15	333,309	\$100,996	0	\$0	\$0	\$30,398	0.0912	\$0	\$0	\$16,232	\$695	\$1	\$0	\$0	\$48,040	\$31,113	\$100,996	\$18,261	
17	Feb-16	Feb-16 Trans	8/15	1,293	N/A	0	\$0	\$0	\$95	0.0733	\$0	\$0	\$63	\$1	\$1	\$0	\$0	\$580	\$580	\$0	\$580	
19	Feb-16	Feb-16 Trans	7/15	0	N/A	0	\$0	\$0	\$0	0.0733	\$0	\$0	\$0	(\$482)	\$1	\$0	\$0	\$233	\$715	\$0	\$715	
20	Feb-16	Feb-16 Trans	7/15	22,551	N/A	0	\$0	\$0	\$1,653	0.0733	\$0	\$5	\$1,098	(\$0)	\$1	\$0	\$0	\$3,472	\$2,368	\$0	\$2,368	
28	Feb-16	Feb-16 Sales	8/25	0	\$0	0	\$0	\$0	\$0	0.0733	\$0	\$0	\$0	\$1	\$1	\$0	\$0	\$626	\$625	\$0	\$625	
36	Feb-16	Feb-16 Trans	7/15	89,213	N/A	0	\$0	\$0	\$6,539	0.0733	\$0	\$359	\$4,345	\$1	\$1	\$0	\$0	\$11,959	\$7,254	\$0	\$7,254	
55	Feb-16	Feb-16 Trans	8/0	30,219	N/A	0	\$0	\$0	\$2,215	0.0733	\$0	\$0	\$0	\$25	\$1	\$0	\$0	\$2,955	\$2,955	\$0	\$2,955	
67	Feb-16	Feb-16 Trans	7/15	143	N/A	0	\$0	\$0	\$11	0.0733	\$0	\$0	\$7	\$0	\$1	\$0	\$0	\$503	\$496	\$0	\$496	
6	Mar-16	Mar-16 Trans	8/15	698,905	N/A	0	\$0	\$0	\$51,230	0.0733	\$0	\$2,659	\$34,037	\$2,841	\$1	\$0	\$0	\$91,481	\$51,945	\$0	\$51,945	
14	Mar-16	Mar-16 Sales	8/25	272,307	\$67,867	0	\$0	\$0	\$24,834	0.0912	\$0	\$3,297	\$13,261	\$1	\$1	\$0	\$0	\$109,885	\$93,326	\$67,867	\$24,559	
16	Mar-16	Mar-16 Trans	7/15	370,558	N/A	0	\$0	\$0	\$33,795	0.0912	\$0	\$0	\$18,066	\$1	\$1	\$0	\$0	\$32,557	\$24,510	\$0	\$24,510	
17	Mar-16	Mar-16 Trans	8/15	191	N/A	0	\$0	\$0	\$14	0.0733	\$0	\$0	\$0	\$0	\$1	\$0						

**THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC DOCKET NO. 4634
SUPPLEMENTAL DISTRIBUTION ADJUSTMENT CHARGE FILING
WITNESS: SUHILA NOURI NUTILE**

Schedule SLN-7
Revenue Decoupling Adjustment Factor

**National Grid - RI Gas
RDM Factor
Effective November 1, 2016**

1	Residential Non-Heat (incl Low Income)	(\$178,614)
2	Residential Heat (incl Low Income)	(\$1,118,633)
3	Small C&I	\$599,538
4	Medium C&I	\$415,479
5	Net Over Recovery of RPC	<u>(\$282,230)</u>
6	Firm Therm Throughput Forecast for RDM Rate Classes (Nov 2016-Oct 2017)	274,875,305
7	Proposed RDA Factor per therm	(\$0.0010)

1 Schedule SLN-7, Page 21, Column (I), Line 36

2 Schedule SLN-7, Page 22, Column (I), Line 72

3 Schedule SLN-7, Page 23, Column (I), Line 84

4 Schedule SLN-7, Page 23, Column (I), Line 96

5 Sum of lines 1-4

6 Firm throughput (in therms) forecast for Residential Heat and Non-Heat, Small and Medium C&I rate classes.

7 Line 5 / Line 6 truncated to four decimal places.



Jennifer Brooks Hutchinson
Senior Counsel

June 30, 2016

VIA HAND DELIVERY & ELECTRONIC MAIL

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

**RE: National Grid's Gas Revenue Decoupling Mechanism Reconciliation Filing
For April 1, 2015 to March 31, 2016
Docket No. _____**

Dear Ms. Massaro:

On behalf of National Grid,¹ enclosed is the Company's annual Revenue Decoupling Mechanism (RDM) reconciliation filing for the period April 1, 2015 to March 31, 2016. This filing is submitted pursuant to the provisions of the Company's Distribution Adjustment Clause of the Company's gas tariff, RPU NG-Gas No. 101, Section 3, Schedule A, Revenue Decoupling Adjustment Factor. Those tariff provisions allow for an annual reconciliation of the target revenue-per-customer and the actual revenue-per-customer through a Revenue Decoupling Adjustment (RDA) factor to be included in the annual Distribution Adjustment Charge (DAC).

This filing consists of the pre-filed testimony and schedules of Suhila Nouri Nutile. In her testimony, Ms. Nutile provides an overview of the Company's Revenue Decoupling Mechanism (RDM) reconciliation, and describes the actual RDM results for the period April 1, 2015 to March 31, 2016. Ms. Nutile also describes the adjustment to the target revenue-per-customer along with adjustments to billed revenue associated with the transfer of customers from the non-heating rate classes to the heating rate classes. As discussed in last year's Docket No. 4573, the Company was conducting further analysis of the residential rate classes to determine if a similar adjustment as was made in Docket No. 4573 should be proposed.

As a result of the Company's RDM reconciliation, and reflecting the adjustments to the target revenue-per-customer and billed revenue associated with the transfer of customers from the non-heating rate classes to the heating rate classes, the Company over-recovered revenue under its RDM during the period April 1, 2015 to March 31, 2016 of approximately \$0.3 million. The Company is not presenting a proposed RDA factor at this time because the RDA factor is one of

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

Luly E. Massaro, Commission Clerk
Gas Revenue Decoupling Mechanism Filing
June 30, 2016
Page 2 of 2

several factors included in the DAC. Rather, the Company will submit the RDA factor in its August 1, 2016 DAC filing.

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

Very truly yours,

A handwritten signature in cursive script, appearing to read "Jennifer Brooks Hutchinson".

Jennifer Brooks Hutchinson

Enclosures

cc: Leo Wold, Esq.
Steve Scialabba, Division

DIRECT TESTIMONY

OF

SUHILA NOURI NUTILE

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THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC DOCKET _____
GAS REVENUE DECOUPLING MECHANISM RECONCILIATION
WITNESS: SUHILA NOURI NUTILE
JUNE 30, 2016
PAGE 1 OF 14

1 **I. Introduction and Qualifications**

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

3 A. My name is Suhila Nouri Nutile and my business address is Reservoir Woods, 40
4 Sylvan Road, Waltham, Massachusetts 02451.

5

6 **Q. What is your position and responsibilities?**

7 A. I am a Senior Analyst for New England Pricing in the Regulation and Pricing
8 Department of National Grid USA Service Company, Inc. (National Grid)
9 supporting the gas pricing activities of The Narragansett Electric Company d/b/a
10 National Grid (the Company). My responsibilities include the design,
11 implementation, and administration of the Company's rates and tariffs for natural
12 gas service.

13

14 **Q. Have you previously testified before the Rhode Island Public Utilities**
15 **Commission (the PUC)?**

16 A. Yes, I testified in the 2016 and 2017 Gas Infrastructure, Safety and Reliability
17 Plan proceedings and in last year's Distribution Adjustment Clause filing, Docket
18 4573.

19

20 **Q. Please provide your educational background.**

THE NARRAGANSETT ELECTRIC COMPANY
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PAGE 2 OF 14

1 A. I received a Bachelor of Science in Mathematics with a concentration in
2 Computer Science from the University of New Hampshire in Durham, NH and a
3 Master of Science in Financial Mathematics from Worcester Polytechnic Institute
4 in Worcester, MA.

5

6 **Q. Please provide your professional background.**

7 A. I was employed by John Hancock in Boston from July 2006 through November
8 2011 as a Senior Analyst in the Pension Pricing Department. Beginning in
9 November 2011, I was employed by Computer Science Corporation as a Lead
10 Analyst in the Cloud Business Unit. In these roles, I designed and developed
11 pricing strategies and provided cost analyses. In October 2013, I became a Senior
12 Analyst at National Grid in Regulation and Pricing, the position I hold today.

13

14 **II. Purpose of Testimony**

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

16 A. The purpose of my testimony is to present the Company's March 31, 2016
17 Revenue Decoupling Mechanism (RDM) reconciliation balance which will be
18 used to compute the proposed RDA factor to be incorporated in the Company's
19 upcoming August 1, 2016 annual Distribution Adjustment Charge (DAC) filing.
20 Specifically, I provide an overview of the Company's RDM reconciliation and

THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC DOCKET _____
GAS REVENUE DECOUPLING MECHANISM RECONCILIATION
WITNESS: SUHILA NOURI NUTILE
JUNE 30, 2016
PAGE 3 OF 14

1 explain the actual RDM results for the reconciliation period April 1, 2015 through
2 March 31, 2016.

3
4 In addition, I also present a proposed adjustment to the Target Revenue-Per-
5 Customer and billed revenue associated with an additional transfer of customers
6 from the residential non-heating rate classes to the residential heating rate classes
7 during the reconciliation period. As discussed in last year's RDM Filing in
8 Docket 4573, while the Company had performed a similar transfer of 2,600
9 customers during the reconciliation period ending March 31, 2015, the Company
10 was continuing to analyze the usage of non-heating customers to determine if it
11 should perform an additional transfer. The Company committed to a similar
12 adjustment in this year's filing if it made another transfer of customers between
13 these rate classes and any of those customers exhibited usage indicative of gas
14 heating during the rate year¹ of the Company's last rate case in Docket 4323
15 (2012 Rate Case). As discussed in my testimony below, the Company identified a
16 second group of customers on the non-heating rate classes which the Company
17 transferred to the heating rate classes during the reconciliation period ending
18 March 31, 2016. Therefore, the Company is proposing adjustments to the Target
19 Revenue-Per-Customer and billed revenue that are similar to those included in
20 Docket 4573.

¹ The rate year in Docket 4323 was the 12-month period February 2013 through January 2014.

THE NARRAGANSETT ELECTRIC COMPANY
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RIPUC DOCKET _____
GAS REVENUE DECOUPLING MECHANISM RECONCILIATION
WITNESS: SUHILA NOURI NUTILE
JUNE 30, 2016
PAGE 4 OF 14

1 This filing is submitted pursuant to the Company's RDM Provision contained in
2 its currently effective tariff, RIPUC NG-Gas No. 101, under Section 3, Schedule
3 A, Revenue Decoupling Adjustment Factor (RDM Provision).

4
5 **Q. Are you sponsoring any schedules with your testimony?**

6 A. Yes. I am sponsoring the following schedules that accompany my testimony:

7	Schedule SLN-1	Annual RDM Reconciliation Balance
8	Schedule SLN-2	Monthly RDM Reconciliation for the period April 1, 2015
9		through March 31, 2016
10	Schedule SLN-3	Adjusted Revenue-Per-Customer Targets
11	Schedule SLN-4	Calculation of Non-Heating to Heating Revenue
12		Adjustment
13	Schedule SLN-5	Actual vs. Normal Billing Heating Degree Day Comparison
14		for April 2015 through March 2016
15	Schedule SLN-6	Illustrative Example of RDM Reconciliation for the period
16		April 1, 2015 through March 31, 2016 Without Adjusting
17		Target Revenue-Per-Customer and Normalizing Revenue

18

19 **III. RDM Reconciliation**

20 **Q. Please provide an overview of the Company's RDM reconciliation.**

21 A. In Docket 4206, the PUC approved a Revenue-Per-Customer RDM that provides
22 for an annual reconciliation, by customer class, between a target level of base rate
23 revenue and actual base rate revenue billed during the reconciliation period. The
24 reconciliation is driven by the comparison of the actual Revenue-Per-Customer

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1 during the reconciliation period and the Target Revenue-Per-Customer. The
2 reconciliation is performed on a monthly basis and covers the Company's fiscal
3 year (the period April 1 through March 31 of the following year) for all residential
4 and small and medium Commercial and Industrial (C&I) firm rate classes. Under
5 the mechanism, customers subject to the RDM receive any net over-recovery of
6 target revenue and are surcharged for any net under-recovery of target revenue
7 through the RDA factor, which is one component of the DAC, effective
8 November 1 each year.

9
10 **Q. What is the result of the RDM reconciliation presented in this filing?**

11 A. Schedule SNL-2 presents the result of the RDM reconciliation for the period
12 April 1, 2015 through March 31, 2016. The RDM reconciliation results in a net
13 over-recovery balance of approximately \$0.3 million.

14
15 **Q. Please describe how the Company determined the RDM reconciliation**
16 **balance at the end of March 2016.**

17 A. On a monthly basis and for each rate class, the Company calculated the difference
18 between the Target Revenue-Per-Customer (the Revenue-per-Customer that the
19 Company is allowed to earn) and the actual Revenue-Per-Customer (the actual
20 average Revenue-per-Customer based upon the base rate revenue billed by the
21 Company divided by the actual number of customers billed). If the actual

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1 Revenue-Per-Customer exceeds the Target Revenue-Per-Customer, the Company
2 has over-recovered its RDM target revenue and must refund customers the excess.
3 If the actual Revenue-Per-Customer is less than the Target Revenue-Per-
4 Customer, the Company has under-recovered its RDM target revenue and must
5 surcharge customers the deficiency. The monthly difference between the actual
6 and Target Revenue-Per-Customers are multiplied by the number of customers
7 billed in the month to derive the amount of revenue the Company has either over-
8 recovered or under-recovered for the month. For each month, the monthly
9 revenue over or under-recovery accumulates and the balance accrues interest,
10 which is also reflected in the final monthly balance.² The Company is presenting
11 this annual reconciliation in Schedule SLN-2.

12
13 **Q. Has the Company made any adjustment to the Target Revenue-Per-**
14 **Customer for the residential heating and non-heating customer classes**
15 **approved in Docket 4573?³**

16 A. Yes it has. In its pre-filed direct testimony in Docket 4573, the Company
17 indicated that it was conducting a more comprehensive review of the usage of

² Interest on the average monthly balance is calculated at the same interest rate that is used to calculate interest on the Company's other DAC balances, which is the Bank of America Prime Rate less 200 basis points.

³ In Docket 4573, the Company adjusted the Target Revenue-Per-Customer for the residential heating and non-heating customer classes to normalize for the November 2014 transfer of 2,600 customers from non-heating rate classes to the heating rate classes such that the customers were in their new rate classes at the beginning of the reconciliation period that was the subject of that proceeding (i.e., April 2014).

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1 customers on the non-heating rate classes as a result of the then-recent transfer of
2 customers between the non-heating and heating rate classes presented in that case
3 and indicated it may need to transfer additional customers to the heating rate
4 classes. If there was a similar transfer as a result of this ongoing evaluation, the
5 Company stated that it would adjust the number of non-heating and heating
6 customers used to determine the Target Revenue-Per-Customers for the two RDM
7 groups for the same reason it did so in Docket 4573.

8
9 **Q. What was the result of the Company's additional analysis it conducted in**
10 **2015?**

11 A. The Company identified an additional group of customers on the non-heating rate
12 classes that should have been on the heating rate classes. As a result, by mid-June
13 2015, the Company transferred 970 customers from the non-heating rate classes to
14 the heating rate classes that exhibited usage characteristics of gas heating during
15 the 2012 Rate Case's rate year.

16
17 **Q. Please describe how the Company identified these 970 customers.**

18 A. In Docket 4573, the Company reflected in its RDM filing the November 2014
19 transfer of 2,600 customers with annual usage exceeding 1,000 therms per year.
20 In determining the threshold to identify this initial group of customers, the
21 Company took a conservative approach to minimize, if not eliminate, the risk of

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1 transferring true non-heating customers to the heating rate classes. In performing
2 the further analysis discussed in the pre-filed testimony in Docket 4573, the
3 Company reevaluated the 1,000 therms per year criteria and determined a more
4 appropriate threshold should be the median usage for a heating customer, which
5 was 860 therms per year. With this lower threshold, the Company identified an
6 additional 970 customers who exhibited a usage level indicating that they were
7 using gas for heating purposes. The Company sent letters to these customers
8 notifying them that they had been transferred to one of the heating rate classes.

9
10 **Q. Please describe the adjustment to the Target Revenue-Per-Customers**
11 **proposed in this filing.**

12 A. In Schedule SNL-3, the Company presents its calculation of the adjusted Target
13 Revenue-Per-Customers for the non-heating and heating customer classes. In
14 Schedule SLN-3, the Company began with the number of non-heating and heating
15 customers approved in Docket 4514 used to calculate the Target Revenue-Per-
16 Customers for the period of February 2013 (the effective date of new base
17 distribution rates in the 2012 Rate Case) through March 2014. Next, the
18 Company has shown the adjustment to the number of customers approved in
19 Docket 4573 as a result of the transfer of 2,600 customers in November 2014.
20 Finally, the Company has shown the adjustment for the 970 customers transferred
21 by mid-June 2015 by decreasing the number of non-heating customers and

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1 increasing the number of heating customers by 970. No adjustment was needed to
2 the Final Revenue Requirement in determining the monthly Target Revenue-Per-
3 Customers since this is a fixed amount, which was approved in Docket 4514 in
4 accordance with the Settlement Agreement in the 2012 Rate Case, and the
5 Company has not adjusted the allocation of the revenue requirement to these rate
6 classes as a result of the transfer of customers between rate classes.

7
8 **Q. Does the Company anticipate updating the Target Revenue-Per-Customers**
9 **for any of its RDM groups in future filings?**

10 A. Yes it does. The Company and its affiliated gas operating companies have
11 conducted an overall comprehensive statistical study to analyze heating usage in
12 the various non-heating classes of the companies. As a result of this study, the
13 Company anticipates transferring approximately 2,400 additional customers from
14 non-heating to heating by the end of July 2016. Of those to be transferred, the
15 Company estimates that approximately 600 customers exhibited heating usage
16 prior to the end of the 2012 Rate Case's rate year. As a result, the Company plans
17 on updating its non-heating and heating Target Revenue-Per-Customers one final
18 time in its 2017 RDM filing to reflect the transfer of these 600 customers.

19

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1 **Q. Did the transfer of 970 residential customers between rate classes require**
2 **any adjustments to the actual Revenue-Per-Customers used to derive the**
3 **overall RDM reconciliation balance?**

4 A. Yes it did. As was done last year, the Company also adjusted the actual billed
5 base rate revenue and customer counts in order to calculate the appropriate actual
6 Revenue-Per-Customer for the two residential RDM groups for the months April
7 2015 through June 2015. Essentially, restating billed revenue and customer
8 counts for this period has the effect of reflecting actual revenue and customer
9 counts as if these customers were billed on the heating rate classes for the entire
10 reconciliation period. These adjustments were necessary to ensure that the
11 comparison between the Target Revenue-Per-Customers and actual Revenue-Per-
12 Customers was performed on the same basis.

13

14 **Q. Please explain the adjustment made to actual revenue and customer counts**
15 **for the months April 2015 through June 2015 associated with the transfer of**
16 **the 970 customers.**

17 A. As of mid-June 2015, the Company transferred 970 customers from the non-
18 heating rate classes to the heating rate classes. However, as described above, in
19 order to appropriately compare the Target Revenue-Per-Customers with the actual
20 Revenue-Per-Customers, it was necessary to restate the actual revenue and
21 customer count assuming these customers were on the heating rate classes

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1 beginning April 1, 2015. Therefore, as shown in Schedule SNL-4, the Company
2 reduced the customer count of the non-heating rate classes by 970 along with their
3 associated distribution revenue for the months of April 2015 through June 2015
4 (which is the last month in which any of these customers were billed the non-
5 heating rates). Correspondingly, the Company increased the customer count of
6 the heating rate classes by 970 along with their associated distributed revenue for
7 the same months as if these customers were billed on the heating rates since
8 April 1, 2015.

9
10 **Q. Please explain how the Company calculated the revenue adjustments made to**
11 **the non-heating and heating RDM groups.**

12 A. The Company obtained a report which identified, for each of the 970 customers
13 who were transferred, the actual monthly usage and associated billed revenue for
14 the period April 2015 through the date of the customer's transfer to the heating
15 rates. As shown in Schedule SNL-4, Line 10, the distribution revenue for the 970
16 customers billed at the distribution rates for the non-heating rate classes totaled
17 \$127,939 for the months April 2015 through June 2015. Also in Schedule SNL-4,
18 the Company calculated the revenue for these customers as if they had been billed
19 on the heating rate classes by multiplying the actual billing determinants shown
20 on Lines 24 through 30 by the applicable heating rates shown on Lines 12 through
21 23. The distribution revenue for the 970 customers resulting from this calculation

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1 is \$126,989 for the months April 2015 through June 2015, as shown in Schedule
2 SLN-4, Page 2, Line 39.

3

4 **IV. Results of the RDM Reconciliation**

5 **Q. Please provide the results for the RDM reconciliation for the year ending**
6 **March 2016.**

7 A. For the reconciliation period April 2015 through March 2016, the Company has
8 calculated a net over-recovery of target revenue of approximately \$0.3 million, as
9 summarized in Schedule SLN-1.

10

11 **Q. Please state the driver(s) for the net over-recovery?**

12 A. As shown in Schedule SNL-1, the total Company net over-recovery of \$282,230
13 was driven by a \$1.3 million combined over-recovery for the residential RDM
14 groups, offset by a \$1.0 million combined under-recovery for the Small and
15 Medium RDM groups. The \$1.0 million under-recovery in the Small and
16 Medium RDM groups was driven by reduction in actual revenue due to warmer
17 weather.⁴ Schedule SLN-4 shows the billing heating degree day comparison for
18 this reconciliation period. For the residential RDM groups, the over-recovery is
19 the result of two factors. First, the actual Revenue-per-Customer declined due to
20 warmer weather, similar to the weather's impact on the Small and Medium RDM

⁴ FY 2016 weather was approximately 12% warmer than normal and 20% warmer than that of FY 2015.

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1 groups, which would generate an under-recovery. The weather's impact,
2 however, was offset by the adjustments the Company has made to the non-heating
3 and heating Target Revenue-Per-Customers, which reduced the Target Revenue-
4 Per-Customers. The lower Target Revenue-Per-Customers, which are a function
5 of revenue based on normal forecasted sales volumes and numbers of customers,
6 as adjusted in Dockets 4514, 4573, and herein, when compared to weather-normal
7 actual Revenue-Per-Customers, will inherently generate an over-recovery than
8 what would had otherwise been seen had none of the adjustments been made,
9 which is to customers' benefit.

10
11 **Q. How did the adjustments to the Target Revenue-Per-Customers and actual**
12 **revenues resulting from the transfer of 970 customers impact the RDM**
13 **reconciliation?**

14 A. As described above, the Company adjusted both the Target Revenue-Per-
15 Customers as well as actual revenue to avoid an unintended revenue impact
16 resulting from the transfer of the 970 customers from the non-heating rate classes
17 to the heating rate classes. The illustration of the impact on the RDM
18 reconciliation if the Company made no adjustment for the 970 customers is
19 presented in Schedule SNL-6. If the Target Revenue-Per-Customers were not
20 adjusted for the 970 customers who should have been billed the distribution rates
21 of the heating rate classes during the rate year in the 2012 Rate Case, and if actual

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1 distribution revenue and customer counts for the months of April 2015 through
2 June 2015 were not normalized for this transfer, the net RDM over-recovery
3 would have been \$73,219, as shown in Schedule SNL-6, rather than the net over-
4 recovery of \$282,230 presented in Schedule SNL-1. Therefore, the Company's
5 proposed adjustments result in a larger credit to customers by \$209,011,
6 compared to what would have been credited to customers had the Company not
7 made these adjustments.

8

9 **V. Bill Impacts**

10 **Q. Did the Company include bill impacts in this filing?**

11 A. No, the Company is not presenting this information at this time. Because the
12 RDA factor will be proposed, along with several factors, in the DAC filing, the
13 bill impact of a RDA factor on a stand-alone basis provides limited information as
14 to the overall impact of the change in the overall DAC factors. Rather, the
15 Company will submit bill impacts for the cumulative impact of all of its proposed
16 DAC factors, including the RDA factor, with its August 1, 2016 DAC filing.

17

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

19 A. Yes, it does.

The Narragansett Electric Company Annual Gas RDM Reconciliation Balance

1	Residential Non-Heat (incl Low Income)	(\$178,614)
2	Residential Heat (incl Low Income)	(\$1,118,633)
3	Small C&I	\$599,538
4	Medium C&I	\$415,479
5	Net Over Recovery of RPC	<u>(\$282,230)</u>

- 1 Schedule SLN-2, Page 1, Column (I), Line 36
- 2 Schedule SLN-2, Page 2, Column (I), Line 72
- 3 Schedule SLN-2, Page 3, Column (I), Line 84
- 4 Schedule SLN-2, Page 3, Column (I), Line 96
- 5 Sum of lines 1-4

RDM Reconciliation by Rate Class by Month

Reference	Apr-15		May-15		Jun-15		Jul-15		Aug-15		Sep-15		Oct-15		Nov-15		Dec-15		Jan-16		Feb-16		Mar-16	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)
Residential Non-Heat																								
1 Benchmark Revenue Per Customer (RPC)	\$24.36	\$21.29	\$19.57	\$18.80	\$18.06	\$18.36	\$18.99	\$20.82	\$24.13	\$26.99	\$27.31	\$26.63	\$26.63	\$26.99	\$27.31	\$26.99	\$27.31	\$26.99	\$27.31	\$26.99	\$27.31	\$26.63	\$26.63	\$26.63
2 Beginning Balance Under/(Over) Recovery	\$0	(\$64,687)	(\$62,829)	(\$57,375)	(\$42,723)	(\$39,216)	(\$16,788)	\$4,324	\$12,770	(\$31,655)	(\$57,394)	(\$133,287)	(\$133,287)	(\$31,655)	(\$57,394)	(\$31,655)	(\$57,394)	(\$31,655)	(\$57,394)	(\$31,655)	(\$57,394)	(\$133,287)	(\$133,287)	(\$133,287)
3 Adjusted Number of Customers	21,854	21,766	21,207	21,706	21,773	21,746	21,806	21,853	21,931	22,008	22,007	22,144	22,144	22,008	22,007	22,008	22,007	22,008	22,007	22,008	22,007	22,144	22,144	22,144
4 Adjusted Actual Base Revenue	\$596,972	\$461,475	\$409,513	\$393,360	\$389,656	\$376,821	\$393,000	\$446,477	\$573,529	\$619,627	\$676,838	\$583,662	\$583,662	\$619,627	\$676,838	\$619,627	\$676,838	\$619,627	\$676,838	\$619,627	\$676,838	\$583,662	\$583,662	\$583,662
5 Actual Base Revenue Per Customer	\$27.32	\$21.20	\$19.31	\$18.12	\$17.90	\$17.33	\$18.02	\$20.43	\$26.15	\$28.15	\$30.76	\$26.36	\$26.36	\$28.15	\$30.76	\$28.15	\$30.76	\$28.15	\$30.76	\$28.15	\$30.76	\$26.36	\$26.36	\$26.36
6 RPC Variance (Benchmark- Actual)	(\$2.96)	\$0.09	\$0.26	\$0.68	\$0.16	\$1.03	\$0.97	\$0.39	(\$2.03)	(\$1.17)	(\$3.44)	\$0.27	\$0.27	(\$1.17)	(\$3.44)	(\$1.17)	(\$3.44)	(\$1.17)	(\$3.44)	(\$1.17)	(\$3.44)	\$0.27	\$0.27	\$0.27
7 Monthly Under/(Over) Recovery of RPC	(\$64,653)	\$1,925	\$5,515	\$14,705	\$3,551	\$22,457	\$21,119	\$8,437	(\$44,414)	(\$25,682)	(\$75,780)	\$5,991	\$5,991	(\$25,682)	(\$75,780)	(\$25,682)	(\$75,780)	(\$25,682)	(\$75,780)	(\$25,682)	(\$75,780)	\$5,991	\$5,991	\$5,991
8 Preliminary Ending Balance	(\$32,327)	(\$63,724)	(\$60,071)	(\$50,023)	(\$40,948)	(\$27,987)	(\$6,228)	(\$8,543)	(\$9,437)	(\$44,496)	(\$95,284)	(\$130,291)	(\$130,291)	(\$44,496)	(\$95,284)	(\$44,496)	(\$95,284)	(\$44,496)	(\$95,284)	(\$44,496)	(\$95,284)	(\$130,291)	(\$130,291)	(\$130,291)
9 Average Balance	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%	1.50%	1.38%	1.50%	1.50%	1.50%	1.38%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
10 Bk America Rate less 200 Basis Points	(\$33)	(\$67)	(\$62)	(\$53)	(\$43)	(\$29)	(\$7)	\$9	(\$11)	(\$57)	(\$113)	(\$166)	(\$166)	(\$11)	(\$57)	(\$11)	(\$57)	(\$11)	(\$57)	(\$11)	(\$57)	(\$166)	(\$166)	(\$166)
11 Interest Applied	(\$64,687)	(\$62,829)	(\$57,375)	(\$42,723)	(\$39,216)	(\$16,788)	\$4,324	\$12,770	(\$31,655)	(\$57,394)	(\$133,287)	(\$133,287)	(\$133,287)	(\$31,655)	(\$57,394)	(\$31,655)	(\$57,394)	(\$31,655)	(\$57,394)	(\$31,655)	(\$57,394)	(\$133,287)	(\$133,287)	(\$133,287)
12 Ending Balance Under/(Over) Recovery																								
Residential Non-Heat Low Income																								
13 Benchmark Revenue Per Customer (RPC)	\$24.36	\$21.29	\$19.57	\$18.80	\$18.06	\$18.36	\$18.99	\$20.82	\$24.13	\$26.99	\$27.31	\$26.63	\$26.63	\$26.99	\$27.31	\$26.99	\$27.31	\$26.99	\$27.31	\$26.99	\$27.31	\$26.63	\$26.63	\$26.63
14 Beginning Balance Under/(Over) Recovery	\$0	(\$8,044)	(\$10,284)	(\$12,247)	(\$13,029)	(\$14,042)	(\$14,333)	(\$15,665)	(\$18,284)	(\$25,012)	(\$33,180)	(\$43,099)	(\$43,099)	(\$18,284)	(\$25,012)	(\$18,284)	(\$25,012)	(\$18,284)	(\$25,012)	(\$18,284)	(\$25,012)	(\$43,099)	(\$43,099)	(\$43,099)
15 Adjusted Number of Customers	452	468	408	457	452	435	421	413	405	407	404	263	263	405	407	405	404	405	407	405	404	263	263	263
16 Adjusted Actual Base Revenue	\$19,050	\$12,193	\$9,937	\$9,360	\$9,162	\$8,263	\$9,312	\$11,199	\$16,474	\$19,115	\$20,908	\$14,997	\$14,997	\$16,474	\$19,115	\$16,474	\$19,115	\$16,474	\$19,115	\$16,474	\$19,115	\$14,997	\$14,997	\$14,997
17 Actual Base Revenue Per Customer	\$42.15	\$26.05	\$24.35	\$20.48	\$20.27	\$18.99	\$22.12	\$27.12	\$40.68	\$46.97	\$51.75	\$57.02	\$57.02	\$40.68	\$46.97	\$40.68	\$46.97	\$40.68	\$46.97	\$40.68	\$46.97	\$57.02	\$57.02	\$57.02
18 RPC Variance (Benchmark- Actual)	(\$17.79)	(\$4.76)	(\$4.78)	(\$1.68)	(\$2.21)	(\$0.63)	(\$3.13)	(\$6.30)	(\$16.55)	(\$19.98)	(\$24.44)	(\$30.39)	(\$30.39)	(\$16.55)	(\$19.98)	(\$16.55)	(\$19.98)	(\$16.55)	(\$19.98)	(\$16.55)	(\$19.98)	(\$57.02)	(\$57.02)	(\$57.02)
19 Monthly Under/(Over) Recovery of RPC	(\$8,040)	(\$2,230)	(\$1,952)	(\$768)	(\$1,000)	(\$2,76)	(\$1,317)	(\$2,601)	(\$6,703)	(\$8,131)	(\$9,874)	(\$7,994)	(\$7,994)	(\$6,703)	(\$8,131)	(\$6,703)	(\$8,131)	(\$6,703)	(\$8,131)	(\$6,703)	(\$8,131)	(\$7,994)	(\$7,994)	(\$7,994)
20 Preliminary Ending Balance	(\$8,040)	(\$10,274)	(\$12,235)	(\$13,015)	(\$14,028)	(\$14,318)	(\$15,649)	(\$18,267)	(\$24,987)	(\$33,143)	(\$43,054)	(\$51,093)	(\$51,093)	(\$24,987)	(\$33,143)	(\$24,987)	(\$33,143)	(\$24,987)	(\$33,143)	(\$24,987)	(\$33,143)	(\$43,054)	(\$43,054)	(\$43,054)
21 Average Balance	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%	1.50%	1.38%	1.50%	1.50%	1.50%	1.38%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
22 Bk America Rate less 200 Basis Points	(\$4)	(\$10)	(\$12)	(\$13)	(\$14)	(\$15)	(\$16)	(\$17)	(\$25)	(\$37)	(\$45)	(\$60)	(\$60)	(\$10)	(\$12)	(\$10)	(\$12)	(\$10)	(\$12)	(\$10)	(\$12)	(\$60)	(\$60)	(\$60)
23 Interest Applied	(\$8,044)	(\$10,284)	(\$12,247)	(\$13,029)	(\$14,042)	(\$14,333)	(\$15,665)	(\$18,284)	(\$25,012)	(\$33,180)	(\$43,099)	(\$51,153)	(\$51,153)	(\$18,284)	(\$25,012)	(\$18,284)	(\$25,012)	(\$18,284)	(\$25,012)	(\$18,284)	(\$25,012)	(\$43,099)	(\$43,099)	(\$43,099)
24 Ending Balance Under/(Over) Recovery																								
Residential Non-Heat (incl Low Income)																								
25 Benchmark Revenue Per Customer (RPC)	\$24.36	\$21.29	\$19.57	\$18.80	\$18.06	\$18.36	\$18.99	\$20.82	\$24.13	\$26.99	\$27.31	\$26.63	\$26.63	\$26.99	\$27.31	\$26.99	\$27.31	\$26.99	\$27.31	\$26.99	\$27.31	\$26.63	\$26.63	\$26.63
26 Beginning Balance Under/(Over) Recovery	\$0	(\$72,731)	(\$73,112)	(\$69,622)	(\$55,752)	(\$53,258)	(\$31,120)	(\$11,341)	(\$5,514)	(\$56,667)	(\$90,573)	(\$176,386)	(\$176,386)	(\$5,514)	(\$56,667)	(\$5,514)	(\$56,667)	(\$5,514)	(\$56,667)	(\$5,514)	(\$56,667)	(\$176,386)	(\$176,386)	(\$176,386)
27 Adjusted Number of Customers	22,306	22,234	21,615	22,163	22,225	22,181	22,227	22,266	22,336	22,415	22,411	22,407	22,407	22,336	22,415	22,336	22,415	22,336	22,415	22,336	22,415	22,407	22,407	22,407
28 Adjusted Actual Base Revenue	\$616,022	\$473,669	\$419,450	\$402,720	\$398,818	\$385,084	\$402,312	\$457,676	\$590,003	\$638,742	\$697,746	\$598,659	\$598,659	\$590,003	\$638,742	\$590,003	\$638,742	\$590,003	\$638,742	\$590,003	\$638,742	\$598,659	\$598,659	\$598,659
29 Actual Base Revenue Per Customer	\$27.62	\$21.30	\$19.41	\$18.17	\$17.94	\$17.36	\$18.10	\$20.55	\$26.41	\$28.50	\$31.13	\$26.72	\$26.72	\$26.41	\$28.50	\$26.41	\$28.50	\$26.41	\$28.50	\$26.41	\$28.50	\$26.72	\$26.72	\$26.72
30 RPC Variance (Benchmark- Actual)	(\$3.76)	(\$0.01)	\$0.16	\$0.63	\$0.11	\$0.89	\$0.89	\$0.26	(\$2.29)	(\$1.51)	(\$3.82)	(\$0.09)	(\$0.09)	(\$2.29)	(\$1.51)	(\$2.29)	(\$1.51)	(\$2.29)	(\$1.51)	(\$2.29)	(\$3.82)	(\$3.82)	(\$3.82)	
31 Monthly Under/(Over) Recovery of RPC	(\$72,694)	(\$304)	(\$363)	(\$13,937)	(\$2,551)	(\$22,181)	(\$19,802)	\$5,835	(\$51,117)	(\$33,813)	(\$85,654)	(\$2,003)	(\$2,003)	(\$51,117)	(\$33,813)	(\$51,117)	(\$33,813)	(\$51,117)	(\$33,813)	(\$51,117)	(\$85,654)	(\$85,654)	(\$85,654)	
32 Preliminary Ending Balance	(\$72,694)	(\$73,035)	(\$69,549)	(\$55,685)	(\$53,200)	(\$31,077)	(\$11,319)	(\$5,506)	(\$56,631)	(\$90,480)	(\$176,227)	(\$178,389)	(\$178,389)	(\$56,631)	(\$90,480)	(\$56,631)	(\$90,480)	(\$56,631)	(\$90,480)	(\$56,631)	(\$90,480)	(\$176,227)	(\$176,227)	(\$176,227)
33 Average Balance	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%	1.50%	1.38%	1.50%	1.50%	1.50%	1.38%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
34 Bk America Rate less 200 Basis Points	(\$37)	(\$77)	(\$73)	(\$66)	(\$58)	(\$43)	(\$22)	(\$9)	(\$36)	(\$59)	(\$82)	(\$109)	(\$109)	(\$36)	(\$59)	(\$36)	(\$59)	(\$36)	(\$59)	(\$36)	(\$59)	(\$109)	(\$109)	(\$109)
35 Interest Applied	(\$72,731)	(\$73,112)	(\$69,622)	(\$55,752)	(\$53,258)	(\$31,120)	(\$11,341)	(\$5,514)	(\$56,667)	(\$90,573)	(\$176,386)	(\$225,514)	(\$225,514)	(\$5,514)	(\$56,667)	(\$5,514)	(\$56,667)	(\$5,514)	(\$56,667)	(\$5,514)	(\$56,667)	(\$176,386)	(\$176,386)	(\$176,386)
36 Ending Balance Under/(Over) Recovery																								

¹ For April 2015 through June 2015 see Schedule SLN-4. For July 2015 through March 2016, data is provided by the Company's billing system.

RDM Reconciliation by Rate Class by Month

Reference	Apr-15		May-15		Jun-15		Jul-15		Aug-15		Sep-15		Oct-15		Nov-15		Dec-15		Jan-16		Feb-16		Mar-16	
	30	31	30	31	30	31	30	31	30	31	30	31	30	31	30	31	30	31	30	31	29	31	31	(l)
Residential Heating																								
Benchmark Revenue Per Customer (RPC)	\$53.11	\$34.44	\$24.46	\$21.67	\$20.44	\$20.76	\$22.51	\$33.52	\$54.63	\$70.18	\$74.03	\$68.81	\$53.11	\$34.44	\$24.46	\$21.67	\$20.44	\$20.76	\$22.51	\$33.52	\$54.63	\$70.18	\$74.03	\$68.81
Beginning Balance Under/(Over) Recovery	\$0	(\$2,237,383)	(\$2,618,164)	(\$2,611,987)	(\$2,719,356)	(\$2,848,252)	(\$2,903,149)	(\$3,015,291)	(\$3,174,448)	(\$3,395,897)	(\$3,709,777)	(\$4,118,633)	\$0	(\$2,237,383)	(\$2,618,164)	(\$2,611,987)	(\$2,719,356)	(\$2,848,252)	(\$2,903,149)	(\$3,015,291)	(\$3,174,448)	(\$3,395,897)	(\$3,709,777)	(\$4,118,633)
Adjusted Number of Customers	193,207	191,494	191,445	190,851	191,023	191,368	192,871	194,958	196,482	197,596	198,171	205,450	193,207	191,494	191,445	190,851	191,023	191,368	192,871	194,958	196,482	197,596	198,171	205,450
Actual Base Revenue Per Customer	\$12,496,901	\$6,973,422	\$4,672,994	\$4,240,121	\$4,030,790	\$4,024,009	\$4,449,751	\$6,239,285	\$10,752,299	\$12,515,405	\$14,574,274	\$13,573,774	\$12,496,901	\$6,973,422	\$4,672,994	\$4,240,121	\$4,030,790	\$4,024,009	\$4,449,751	\$6,239,285	\$10,752,299	\$12,515,405	\$14,574,274	\$13,573,774
RPC Variance (Benchmark- Actual)	(\$11.57)	(\$1.98)	\$0.05	\$22.22	\$21.10	\$21.03	(\$0.57)	\$1.52	(\$0.09)	\$6.84	\$0.48	\$2.74	(\$11.57)	(\$1.98)	\$0.05	\$22.22	\$21.10	\$21.03	(\$0.57)	\$1.52	(\$0.09)	\$6.84	\$0.48	\$2.74
Monthly Under/(Over) Recovery of RPC	(\$2,236,237)	(\$378,213)	\$8,855	(\$104,548)	(\$125,951)	(\$1,952)	(\$109,010)	\$296,353	(\$17,941)	\$1,351,482	\$95,587	\$562,930	(\$2,236,237)	(\$378,213)	\$8,855	(\$104,548)	(\$125,951)	(\$1,952)	(\$109,010)	\$296,353	(\$17,941)	\$1,351,482	\$95,587	\$562,930
Preliminary Ending Balance	(\$1,118,118)	(\$2,426,489)	(\$2,613,737)	(\$2,664,261)	(\$2,782,331)	(\$2,874,228)	(\$2,957,654)	(\$3,067,256)	(\$3,230,846)	(\$3,463,348)	(\$3,709,777)	(\$3,958,997)	(\$1,118,118)	(\$2,426,489)	(\$2,613,737)	(\$2,664,261)	(\$2,782,331)	(\$2,874,228)	(\$2,957,654)	(\$3,067,256)	(\$3,230,846)	(\$3,463,348)	(\$3,709,777)	(\$3,958,997)
Average Balance	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%	1.50%
Bk America Rate less 200 Basis Points	(\$1,146)	(\$2,569)	(\$2,678)	(\$2,821)	(\$2,946)	(\$2,945)	(\$3,131)	(\$2,938)	(\$3,180)	(\$2,626)	(\$1,600)	(\$1,294)	(\$1,146)	(\$2,569)	(\$2,678)	(\$2,821)	(\$2,946)	(\$2,945)	(\$3,131)	(\$2,938)	(\$3,180)	(\$2,626)	(\$1,600)	(\$1,294)
Interest Applied	(\$2,237,383)	(\$2,618,164)	(\$2,611,987)	(\$2,719,356)	(\$2,848,252)	(\$2,903,149)	(\$3,015,291)	(\$3,174,448)	(\$3,395,897)	(\$3,709,777)	(\$4,118,633)	(\$4,527,568)	(\$2,237,383)	(\$2,618,164)	(\$2,611,987)	(\$2,719,356)	(\$2,848,252)	(\$2,903,149)	(\$3,015,291)	(\$3,174,448)	(\$3,395,897)	(\$3,709,777)	(\$4,118,633)	(\$4,527,568)
Ending Balance Under/(Over) Recovery	\$53.11	\$34.44	\$24.46	\$21.67	\$20.44	\$20.76	\$22.51	\$33.52	\$54.63	\$70.18	\$74.03	\$68.81	\$53.11	\$34.44	\$24.46	\$21.67	\$20.44	\$20.76	\$22.51	\$33.52	\$54.63	\$70.18	\$74.03	\$68.81
Line 45 * Line 46 / 366 * # days	\$0	(\$209,610)	(\$211,657)	(\$246,211)	(\$283,657)	(\$317,448)	(\$345,637)	(\$380,606)	(\$438,851)	(\$516,048)	(\$609,893)	(\$718,144)	\$0	(\$209,610)	(\$211,657)	(\$246,211)	(\$283,657)	(\$317,448)	(\$345,637)	(\$380,606)	(\$438,851)	(\$516,048)	(\$609,893)	(\$718,144)
Residential Heating - Low Income																								
Benchmark Revenue Per Customer (RPC)	\$53.11	\$34.44	\$24.46	\$21.67	\$20.44	\$20.76	\$22.51	\$33.52	\$54.63	\$70.18	\$74.03	\$68.81	\$53.11	\$34.44	\$24.46	\$21.67	\$20.44	\$20.76	\$22.51	\$33.52	\$54.63	\$70.18	\$74.03	\$68.81
Beginning Balance Under/(Over) Recovery	\$0	(\$209,610)	(\$211,657)	(\$246,211)	(\$283,657)	(\$317,448)	(\$345,637)	(\$380,606)	(\$438,851)	(\$516,048)	(\$609,893)	(\$718,144)	\$0	(\$209,610)	(\$211,657)	(\$246,211)	(\$283,657)	(\$317,448)	(\$345,637)	(\$380,606)	(\$438,851)	(\$516,048)	(\$609,893)	(\$718,144)
Adjusted Number of Customers	21,921	22,554	22,216	21,700	21,198	20,672	20,292	19,980	19,718	19,485	19,248	11,951	21,921	22,554	22,216	21,700	21,198	20,672	20,292	19,980	19,718	19,485	19,248	11,951
Actual Base Revenue Per Customer	\$1,373,664	\$778,601	\$577,620	\$507,385	\$466,796	\$456,921	\$491,275	\$659,582	\$1,087,642	\$1,256,417	\$1,414,414	\$941,144	\$1,373,664	\$778,601	\$577,620	\$507,385	\$466,796	\$456,921	\$491,275	\$659,582	\$1,087,642	\$1,256,417	\$1,414,414	\$941,144
RPC Variance (Benchmark- Actual)	(\$9.56)	(\$0.08)	(\$1.54)	(\$1.71)	(\$1.58)	(\$1.35)	(\$1.70)	\$0.51	(\$0.53)	\$5.70	\$0.54	(\$9.94)	(\$9.56)	(\$0.08)	(\$1.54)	(\$1.71)	(\$1.58)	(\$1.35)	(\$1.70)	\$0.51	(\$0.53)	\$5.70	\$0.54	(\$9.94)
Monthly Under/(Over) Recovery of RPC	(\$209,503)	(\$1,823)	(\$34,320)	(\$37,165)	(\$33,473)	(\$27,850)	(\$34,585)	\$10,214	(\$10,392)	\$11,001	\$10,444	(\$118,814)	(\$209,503)	(\$1,823)	(\$34,320)	(\$37,165)	(\$33,473)	(\$27,850)	(\$34,585)	\$10,214	(\$10,392)	\$11,001	\$10,444	(\$118,814)
Preliminary Ending Balance	(\$104,752)	(\$210,522)	(\$228,817)	(\$264,794)	(\$300,393)	(\$331,373)	(\$362,930)	(\$375,499)	(\$375,974)	(\$326,107)	(\$265,799)	(\$320,300)	(\$104,752)	(\$210,522)	(\$228,817)	(\$264,794)	(\$300,393)	(\$331,373)	(\$362,930)	(\$375,499)	(\$375,974)	(\$326,107)	(\$265,799)	(\$320,300)
Average Balance	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%	1.50%
Bk America Rate less 200 Basis Points	(\$107)	(\$223)	(\$234)	(\$280)	(\$318)	(\$340)	(\$384)	(\$414)	(\$438)	(\$414)	(\$316)	(\$407)	(\$107)	(\$223)	(\$234)	(\$280)	(\$318)	(\$340)	(\$384)	(\$414)	(\$438)	(\$414)	(\$316)	(\$407)
Interest Applied	(\$209,610)	(\$211,657)	(\$246,211)	(\$283,657)	(\$317,448)	(\$345,637)	(\$380,606)	(\$438,851)	(\$516,048)	(\$609,893)	(\$718,144)	(\$827,289)	(\$209,610)	(\$211,657)	(\$246,211)	(\$283,657)	(\$317,448)	(\$345,637)	(\$380,606)	(\$438,851)	(\$516,048)	(\$609,893)	(\$718,144)	(\$827,289)
Ending Balance Under/(Over) Recovery	\$53.11	\$34.44	\$24.46	\$21.67	\$20.44	\$20.76	\$22.51	\$33.52	\$54.63	\$70.18	\$74.03	\$68.81	\$53.11	\$34.44	\$24.46	\$21.67	\$20.44	\$20.76	\$22.51	\$33.52	\$54.63	\$70.18	\$74.03	\$68.81
Line 57 * Line 58 / 366 * # days	\$0	(\$2,446,993)	(\$2,829,821)	(\$2,858,198)	(\$3,003,012)	(\$3,165,700)	(\$3,248,787)	(\$3,395,897)	(\$3,692,653)	(\$4,124,605)	(\$4,665,162)	(\$5,361,048)	\$0	(\$2,446,993)	(\$2,829,821)	(\$2,858,198)	(\$3,003,012)	(\$3,165,700)	(\$3,248,787)	(\$3,395,897)	(\$3,692,653)	(\$4,124,605)	(\$4,665,162)	(\$5,361,048)
Residential Heat (incl Low Income)																								
Benchmark Revenue Per Customer (RPC)	\$53.11	\$34.44	\$24.46	\$21.67	\$20.44	\$20.76	\$22.51	\$33.52	\$54.63	\$70.18	\$74.03	\$68.81	\$53.11	\$34.44	\$24.46	\$21.67	\$20.44	\$20.76	\$22.51	\$33.52	\$54.63	\$70.18	\$74.03	\$68.81
Beginning Balance Under/(Over) Recovery	\$0	(\$2,446,993)	(\$2,829,821)	(\$2,858,198)	(\$3,003,012)	(\$3,165,700)	(\$3,248,787)	(\$3,395,897)	(\$3,692,653)	(\$4,124,605)	(\$4,665,162)	(\$5,361,048)	\$0	(\$2,446,993)	(\$2,829,821)	(\$2,858,198)	(\$3,003,012)	(\$3,165,700)	(\$3,248,787)	(\$3,395,897)	(\$3,692,653)	(\$4,124,605)	(\$4,665,162)	(\$5,361,048)
Adjusted Number of Customers	215,128	214,048	213,661	212,551	212,221	212,940	213,163	214,938	216,200	217,081	217,419	217,401	215,128	214,048	213,661	212,551	212,221	212,940	213,163	214,938	216,200	217,081	217,419	217,401
Actual Base Revenue Per Customer	\$13,870,565	\$7,752,023	\$5,250,614	\$4,747,506	\$4,497,586	\$4,480,930	\$4,941,026	\$6,898,867	\$11,839,940	\$13,771,821	\$15,988,687	\$14,514,919	\$13,870,565	\$7,752,023	\$5,250,614	\$4,747,506	\$4,497,586	\$4,480,930	\$4,941,026	\$6,898,867	\$11,839,940	\$13,771,821	\$15,988,687	\$14,514,919
RPC Variance (Benchmark- Actual)	(\$11.37)	(\$1.78)	(\$0.12)	(\$0.67)	(\$0.75)	(\$0.38)	(\$0.67)	\$1.43	(\$0.13)	\$6.74	\$73.54	\$66.77	(\$11.37)	(\$1.78)	(\$0.12)	(\$0.67)	(\$0.75)	(\$0.38)	(\$0.67)	\$1.43	(\$0.13)	\$6.74	\$73.54	\$66.77
Monthly Under/(Over) Recovery of RPC	(\$2,445,740)	(\$380,036)	(\$25,465)	(\$141,713)	(\$159,424)	(\$79,803)	(\$143,595)	\$306,566	(\$28,333)	\$1,462,483	\$1,066,030	\$444,116	(\$2,445,740)	(\$380,036)	(\$25,465)	(\$141,713)	(\$159,424)	(\$79,803)	(\$143,595)	\$306,566	(\$28,333)	\$1,462,483	\$1,066,030	\$444,116
Preliminary Ending Balance	(\$2,445,740)	(\$2,827,029)	(\$2,855,286)	(\$2,999,911)	(\$3,162,436)	(\$3,245,502)	(\$3,392,381)	(\$3,689,331)	(\$4,124,605)	(\$4,665,162)	(\$5,361,048)	(\$6,116,932)	(\$2,445,740)	(\$2,827,029)	(\$2,855,286)	(\$2,999,911)	(\$3,162,436)	(\$3,245,502)	(\$3,392,381)	(\$3,689,331)	(\$4,124,605)	(\$4,665,162)	(\$5,361,048)	(\$6,116,932)
Average Balance	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%	1.50%
Bk America Rate less 200 Basis Points	(\$1,222,870)	(\$2,637,011)	(\$2,842,554)	(\$2,929,055)	(\$3,082,724)	(\$3,205,601)	(\$3,320,584)	(\$3,442,614)	(\$3,606,820)	(\$3,932,363)	(\$4,362,147)	(\$4,993,990)	(\$1,222,870)	(\$2,637,011)	(\$2,842,554)	(\$2,929,055)	(\$3,082,724)	(\$3,205,601)	(\$3,320,584)	(\$3,442,614)	(\$3,606,820)	(\$3,932,363)	(\$4,362,147)	(\$4,993,990)
Interest Applied	(\$2,445,740)	(\$2,827,029)	(\$2,855,286)	(\$2,999,911)	(\$3,162,436)	(\$3,245,502)	(\$3,392,381)	(\$3,689,331)	(\$4,124,605)	(\$4,665,162)	(\$5,361,048)	(\$6,116,932)	(\$2,445,740)	(\$2,827,029)	(\$2,855,286)	(\$2,999,911)	(\$3,162,436)	(\$3,245,502)	(\$3,392,381)	(\$3,689,331)	(\$4,124,605)	(\$4,665,162)	(\$5,361,048)	(\$6,116,932)
Ending Balance Under/(Over) Recovery	\$53.11	\$34.44	\$24.46	\$21.67	\$20.44	\$20.76	\$22.51	\$33.52	\$54.63	\$70.18	\$74.03	\$68.81	\$53.11	\$34.44	\$24.46	\$21.67	\$20.44	\$20.76	\$22.51	\$33.52	\$54.63	\$70.18	\$74.03	\$68.81
Line 69 * Line 70 / 366 * # days	(\$1,223,533)	(\$2,792)	(\$2,912)	(\$3,101)	(\$3,264)	(\$3,284)	(\$3,516)	(\$3,322)	(\$3,618)	(\$3,041)	(\$1,916)	(\$1,701)	(\$1,223,533)	(\$2,792)	(\$2,912)	(\$3,101)	(\$3,264)	(\$3,284)	(\$3,516)	(\$3,322)	(\$3,618)	(\$3,041)	(\$1,916)	(\$1,701)
Ending Balance Under/(Over) Recovery	(\$2,446,993)	(\$2,829,821)	(\$2,858,198)	(\$3,003,012)	(\$3,165,700)	(\$3,248,787)	(\$3,395,897)	(\$3,692,653)	(\$4,124,605)	(\$4,665,162)	(\$5,361,048)	(\$6,116,932)	(\$2,446,993)	(\$2,829,821)	(\$2,858,198)	(\$3,003,012)	(\$3,165,700)	(\$3,248,787)	(\$3,395,8					

RDM Reconciliation by Rate Class by Month

	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16
Reference	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
Small C&I												
73 Benchmark Revenue Per Customer (RPC)	\$77.93	\$50.14	\$33.47	\$31.72	\$29.56	\$29.40	\$32.02	\$46.85	\$78.12	\$116.16	\$101.17	\$104.13
74 Beginning Balance Under/(Over) Recovery	\$0	(\$257,574)	(\$250,214)	(\$226,320)	(\$201,321)	(\$204,200)	(\$212,219)	(\$199,571)	(\$103,115)	(\$41,675)	\$502,254	\$436,838
75 Actual Number of Customers	18,903	18,711	18,534	18,451	18,426	18,393	18,568	18,843	19,055	19,232	19,250	19,212
76 Actual Base Revenue	\$1,730,613	\$930,600	\$596,270	\$560,132	\$547,277	\$548,646	\$581,685	\$786,227	\$1,427,021	\$1,690,258	\$2,013,411	\$1,838,471
77 Actual Base Revenue Per Customer	\$91.55	\$49.74	\$32.17	\$30.36	\$29.70	\$29.83	\$31.33	\$41.73	\$74.89	\$87.89	\$104.59	\$95.69
78 RPC Variance (Benchmark- Actual)	(\$13.62)	\$0.41	\$1.30	\$1.37	(\$0.14)	(\$0.42)	\$0.69	\$5.13	\$3.23	\$28.27	(\$3.43)	\$8.43
79 Monthly Under/(Over) Recovery of RPC	(\$257,442)	\$7,628	\$24,138	\$25,225	(\$2,664)	(\$7,806)	\$12,866	\$96,611	\$61,524	\$543,637	(\$65,974)	\$162,043
80 Preliminary Ending Balance	(\$257,442)	(\$249,945)	(\$226,076)	(\$201,095)	(\$203,985)	(\$212,006)	(\$199,353)	(\$102,960)	(\$41,391)	\$501,962	\$436,280	\$598,880
81 Average Balance	(\$128,721)	(\$253,760)	(\$238,145)	(\$213,708)	(\$202,653)	(\$208,103)	(\$205,786)	(\$151,265)	(\$72,353)	\$230,143	\$469,267	\$517,859
82 Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%
83 Interest Applied	(\$132)	(\$269)	(\$244)	(\$226)	(\$215)	(\$213)	(\$218)	(\$155)	(\$84)	\$292	\$558	\$658
84 Ending Balance Under/(Over) Recovery	(\$257,574)	(\$250,214)	(\$226,320)	(\$201,321)	(\$204,200)	(\$212,219)	(\$199,571)	(\$103,115)	(\$41,675)	\$502,254	\$436,838	\$599,538
Medium C&I												
85 Benchmark Revenue Per Customer (RPC)	\$390.91	\$306.74	\$258.99	\$228.10	\$215.25	\$227.59	\$250.75	\$319.05	\$401.46	\$503.80	\$518.03	\$496.12
86 Beginning Balance Under/(Over) Recovery	\$0	(\$238,503)	(\$182,906)	(\$77,516)	(\$62,254)	(\$98,524)	(\$95,282)	(\$49,072)	\$12,917	(\$307)	\$280,031	\$281,417
87 Actual Number of Customers	4,848	4,848	4,834	4,829	4,797	4,809	4,841	4,859	4,880	4,899	4,898	4,906
88 Actual Base Revenue	\$2,133,511	\$1,431,238	\$1,146,419	\$1,086,175	\$1,068,762	\$1,091,127	\$1,167,607	\$1,488,261	\$1,972,356	\$2,187,933	\$2,536,277	\$2,300,338
89 RPC Variance (Benchmark- Actual)	\$440.08	(\$95.22)	\$237.16	\$224.93	\$222.80	\$226.89	\$241.19	\$306.29	\$404.17	\$446.61	\$517.82	\$468.88
90 Monthly Under/(Over) Recovery of RPC	(\$49.17)	\$11.51	\$21.83	\$3.18	(\$7.54)	\$0.69	\$9.56	\$12.76	(\$2.71)	\$57.19	\$0.21	\$27.24
91 Preliminary Ending Balance	(\$238,381)	\$55,820	\$105,524	\$15,336	(\$36,185)	\$3,341	\$46,286	\$62,007	(\$13,231)	\$280,160	\$1,053	\$133,619
92 Average Balance	(\$119,191)	(\$210,593)	(\$130,145)	(\$69,848)	(\$80,346)	(\$96,853)	(\$72,139)	(\$18,069)	\$6,301	\$139,773	\$280,558	\$348,227
93 Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%
94 Interest Applied	(\$122)	(\$223)	(\$133)	(\$74)	(\$85)	(\$99)	(\$76)	(\$19)	\$7	\$178	\$333	\$442
95 Ending Balance Under/(Over) Recovery	(\$238,503)	(\$182,906)	(\$77,516)	(\$62,254)	(\$98,524)	(\$95,282)	(\$49,072)	(\$12,917)	(\$307)	\$280,031	\$281,417	\$415,479

Adjusted Revenue-Per-Customer Targets

	Apr (a)	May (b)	Jun (c)	Jul (d)	Aug (e)	Sep (f)	Oct (g)	Nov (h)	Dec (i)	Jan (j)	Feb (k)	Mar (l)	Total (m)
1 Residential Non-Heat (incl Low-Income)													
2 Number of Customers	26,197	26,140	26,085	26,015	25,964	25,969	25,980	26,058	26,107	26,125	26,234	26,255	
3 Number of Accounts Transferred Nov 2014	(2,600)	(2,600)	(2,600)	(2,600)	(2,600)	(2,600)	(2,600)	(2,600)	(2,600)	(2,600)	(2,600)	(2,600)	(2,600)
4 Number of Accounts Transferred Jun 2015	(970)	(970)	(970)	(970)	(970)	(970)	(970)	(970)	(970)	(970)	(970)	(970)	(970)
5 Adjusted Number of Customers	22,627	22,570	22,515	22,445	22,394	22,399	22,410	22,488	22,537	22,555	22,664	22,685	
6 Final Revenue Requirement	\$551,147	\$480,518	\$440,626	\$421,958	\$404,421	\$411,267	\$425,590	\$468,132	\$543,736	\$608,707	\$619,002	\$604,058	\$5,979,163
7 Adjusted RPC	\$24.36	\$21.29	\$19.57	\$18.80	\$18.06	\$18.36	\$18.99	\$20.82	\$24.13	\$26.99	\$27.31	\$26.63	
8 Residential Heating (incl Low-Income)													
9 Number of Customers	206,526	205,560	204,853	204,218	203,713	203,918	204,929	206,779	208,036	208,864	206,524	206,734	
10 Number of Accounts Transferred Nov 2014	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600
11 Number of Accounts Transferred Jun 2015	970	970	970	970	970	970	970	970	970	970	970	970	970
12 Adjusted Number of Customers	210,096	209,130	208,423	207,788	207,283	207,488	208,499	210,349	211,606	212,434	210,094	210,304	
13 Final Revenue Requirement	\$1,157,590	\$7,202,607	\$5,097,052	\$4,502,584	\$4,237,221	\$4,306,645	\$4,692,464	\$7,051,595	\$11,560,624	\$14,908,187	\$15,552,475	\$14,470,701	\$104,739,746
14 Adjusted RPC	\$53.11	\$34.44	\$24.46	\$21.67	\$20.44	\$20.76	\$22.51	\$33.52	\$54.63	\$70.18	\$74.03	\$68.81	
15 Small													
16 Number of Customers	18,697	18,524	18,381	18,270	18,221	18,243	18,367	18,680	18,856	18,995	18,800	18,800	
17 Final Revenue Requirement	\$1,457,117	\$928,852	\$615,286	\$579,616	\$538,554	\$536,429	\$588,115	\$875,201	\$1,472,999	\$2,206,366	\$1,901,912	\$1,957,612	\$13,658,058
18 RPC	\$77.93	\$50.14	\$33.47	\$31.72	\$29.56	\$29.40	\$32.02	\$46.85	\$78.12	\$116.16	\$101.17	\$104.13	
19 Medium C&I													
20 Number of Customers	4,702	4,691	4,694	4,684	4,665	4,678	4,700	4,734	4,758	4,773	4,696	4,705	
21 Final Revenue Requirement	\$1,838,057	\$1,438,900	\$1,215,685	\$1,068,436	\$1,004,164	\$1,064,655	\$1,178,537	\$1,510,387	\$1,910,148	\$2,404,616	\$2,432,687	\$2,334,238	\$19,400,509
22 RPC	\$390.91	\$306.74	\$258.99	\$228.10	\$215.25	\$227.59	\$250.75	\$319.05	\$401.46	\$503.80	\$518.03	\$496.12	

Lines 2, 9, 16, 20: Number of customers per Docket 4514, RDM Filing, Schedule SLN-4, Page 1, Lines 2, 6, 10, 14.
Lines 3, 10: Number of customers transferred from Residential Non-Heating to Residential Heating in Docket 4573, RDM Filing, Schedule SLN-3.
Line 4, 11: Number of customers transferred from Residential Non-Heating to Residential Heating as of June 2015, see Schedule SLN-4, Line 7 for actual customers impacted month to month.
Lines 6, 13, 17, 21: Final revenue requirement allocations from Docket 4514, RDM Filing, Schedules SLN-4, Page 1, Lines 3, 7, 11, 15.

Billing Determinants and Associated Base Revenues of 970 Residential Customers Transferred

Reference	Apr-15 (a)	May-15 (b)	Jun-15 (c)	Total (d)	
<u>Billing Determinants and Billed Base Revenues of Non-Heating Residential Customers Transferred</u>					
Volumes					
2 Residential Non Heat	Data provided from the Company's billing system.	130,585	55,009	17,456	203,050
3 Residential Non Heat Low Income	Data provided from the Company's billing system.	13,018	5,900	1,593	20,511
4 Total	Line 2 + Line 3	143,603	60,909	19,050	223,561
Customer Count					
5 Residential Non Heat	Data provided from the Company's billing system.	859	865	528	
6 Residential Non Heat Low Income	Data provided from the Company's billing system.	93	100	52	
7 Total	Line 5 + Line 6	952	965	580	
*Note: There were 5 additional premise numbers in June that were not in the April or May data, the total premise numbers transferred is 970. The transfer was made June 16, 2015 due to billing cycles, approximately half the customers were on the correct rate class for June.					
Base Rate Revenue					
8 Residential Non Heat Base Rate Revenue	Data provided from the Company's billing system.	\$67,442	\$35,536	\$13,999	\$116,977
9 Residential Non Heat LI Base Rate Revenue	Data provided from the Company's billing system.	\$6,226	\$3,499	\$1,237	\$10,962
10 Total	Line 8 + Line 9	\$73,668	\$39,035	\$15,236	\$127,939
<u>Calculation of Associated Heating Revenue</u>					
Residential Heating					
<u>Peak</u>					
12 Customer Charge	RIPUC NG-Gas No. 101, Section 4, Schedule C, Sheet 1, Ra	\$13.00	\$13.00	\$13.00	
13 Headblock (up to 125 therms)	RIPUC NG-Gas No. 101, Section 4, Schedule C, Sheet 1, Ra	\$0.4672	\$0.4672	\$0.4672	
14 Tailblock	RIPUC NG-Gas No. 101, Section 4, Schedule C, Sheet 1, Ra	\$0.3010	\$0.3010	\$0.3010	
<u>Off Peak</u>					
15 Customer Charge	RIPUC NG-Gas No. 101, Section 4, Schedule C, Sheet 1, Ra	\$13.00	\$13.00	\$13.00	
16 Headblock (up to 30 therms)	RIPUC NG-Gas No. 101, Section 4, Schedule C, Sheet 1, Ra	\$0.4672	\$0.4672	\$0.4672	
17 Tailblock	RIPUC NG-Gas No. 101, Section 4, Schedule C, Sheet 1, Ra	\$0.3010	\$0.3010	\$0.3010	
Residential Heating Low Income					
<u>Peak</u>					
18 Customer Charge	RIPUC NG-Gas No. 101, Section 4, Schedule D, Sheet 1, Ra	\$11.70	\$11.70	\$11.70	
19 Headblock (up to 125 therms)	RIPUC NG-Gas No. 101, Section 4, Schedule D, Sheet 1, Ra	\$0.4205	\$0.4205	\$0.4205	
20 Tailblock	RIPUC NG-Gas No. 101, Section 4, Schedule D, Sheet 1, Ra	\$0.2709	\$0.2709	\$0.2709	
<u>Off Peak</u>					
21 Customer Charge	RIPUC NG-Gas No. 101, Section 4, Schedule D, Sheet 1, Ra	\$11.70	\$11.70	\$11.70	
22 Headblock (up to 30 therms)	RIPUC NG-Gas No. 101, Section 4, Schedule D, Sheet 1, Ra	\$0.4205	\$0.4205	\$0.4205	
23 Tailblock	RIPUC NG-Gas No. 101, Section 4, Schedule D, Sheet 1, Ra	\$0.2709	\$0.2709	\$0.2709	
Volumes					
<u>Regular</u>					
24 Head Block	Company's billing system data calculated for head block volume	97,996	44,573	11,935	154,504
25 Tail Block	Company's billing system data calculated for tail block volume	32,590	10,435	5,522	48,547
26 Total	Line 24 + Line 25	130,585	55,009	17,456	203,050
<u>Low Income</u>					
27 Head Block	Company's billing system data calculated for head block volume	10,573	4,833	1,265	16,670
28 Tail Block	Company's billing system data calculated for tail block volume	2,445	1,067	329	3,841
29 Total	Line 27 + Line 28	13,018	5,900	1,593	20,511
30 Total Volumes:	Line 26 + Line 29	143,603	60,909	19,050	223,561

Billing Determinants and Associated Base Revenues of 970 Residential Customers Transferred

	Reference	Apr-15 (a)	May-15 (b)	Jun-15 (c)	Total (d)	
Residential Heat Base Rate Revenue						
31	Customer Charge	Line 5 * Line 12	\$11,167	\$11,245	\$6,864	\$29,276
32	Head Block	Line 13 * Line 24	\$45,783	\$20,825	\$5,576	\$72,184
33	Tail Block	Line 14 * Line 25	\$9,809	\$3,141	\$1,662	\$14,613
34	Total	Sum [Line 31: Line 33]	\$66,760	\$35,211	\$14,102	\$116,073
Residential Heat LI Base Rate Revenue						
35	Customer Charge	Line 6 * Line 18	\$1,088	\$1,170	\$608	\$2,867
36	Head Block	Line 19 * Line 27	\$4,446	\$2,032	\$532	\$7,010
37	Tail Block	Line 20 * Line 28	\$662	\$289	\$89	\$1,041
38	Total	Sum [Line 35: Line 37]	\$6,196	\$3,491	\$1,229	\$10,917
39	Total Residential Heat Base Rate Revenue	Line 34 + Line 38	\$72,956	\$38,702	\$15,331	\$126,989
40	<u>Adjusted Customer Counts and Base Revenue of Transferred Residential Customers</u>					
Adjustment to Non-Heat Customer Count						
41	Actual Residential Non-Heating Count	Data provided from the Company's billing system.	22,713	22,631	21,735	
42	Adjustment: Transfer to Heat	- (Line 5)	(859)	(865)	(528)	
43	Adjusted Residential Non-Heating Count	Line 41 + Line 42	21,854	21,766	21,207	
44	Actual Residential Non-Heating LI Count	Data provided from the Company's billing system.	545	568	460	
45	Adjustment: Transfer to Heat LI	- (Line 6)	(93)	(100)	(52)	
46	Adjusted Residential Non-Heating LI Cou	Line 44 + Line 45	452	468	408	
Adjustment to Heat Customer Count						
47	Actual Residential Heating Count	Data provided from the Company's billing system.	192,348	190,629	190,917	
48	Adjustment: Transfer to Heat	Line 5	859	865	528	
49	Adjusted Residential Heating Count	Line 47 + Line 48	193,207	191,494	191,445	
50	Actual Residential Heating LI Count	Data provided from the Company's billing system.	21,828	22,454	22,164	
51	Adjustment: Transfer to Heat	Line 6	93	100	52	
52	Adjusted Residential Heating LI Count	Line 50 + Line 51	21,921	22,554	22,216	
Adjustment to Non-Heat Base Rate Revenue						
53	Actual Non-Heat Base Rate Revenue	Data provided from the Company's billing system.	\$664,413	\$497,012	\$423,512	\$1,584,937
54	Adjustment: Transfer to Heat	- (Line 8)	(\$67,442)	(\$35,536)	(\$13,999)	(\$116,977)
55	Adjusted Non-Heat Base Rate Revenue	Line 53 + Line 54	\$596,972	\$461,475	\$409,513	\$1,467,960
56	Actual Non-Heat LI Base Rate Revenue	Data provided from the Company's billing system.	\$25,968	\$16,081	\$11,311	\$53,360
57	Adjustment: Transfer to Heat LI	- (Line 9) / .9	(\$6,918)	(\$3,887)	(\$1,375)	(\$12,180)
58	Adjusted Non-Heat LI Base Rate Revenue	Line 56 + Line 57	\$19,050	\$12,193	\$9,937	\$41,180
Adjustment to Heat Base Rate Revenue						
59	Actual Heat Base Rate Revenue	Data provided from the Company's billing system.	\$12,430,141	\$6,938,211	\$4,658,892	\$24,027,244
60	Adjustment: Transfer to Heat	Line 34	\$66,760	\$35,211	\$14,102	\$116,073
61	Adjusted Heat Base Rate Revenue	Line 59 + Line 60	\$12,496,901	\$6,973,422	\$4,672,994	\$24,143,317
62	Actual Heat LI Base Rate Revenue	Data provided from the Company's billing system.	\$1,366,779	\$774,722	\$576,254	\$2,717,755
63	Adjustment: Transfer to Heat LI	Line 38 / .9	\$6,885	\$3,879	\$1,366	\$12,130
64	Adjusted Heat LI Base Rate Revenue	Line 62 + Line 63	\$1,373,664	\$778,601	\$577,620	\$2,729,885
65	<u>Difference: Heating vs. Non-Heating Revenue</u> (Distribution Charges lower under Heating rates)		(\$682) (\$33)	(\$326) (\$8)	\$103 (\$9)	(\$905) (\$50)
66	Residential	Line 34 - Line 8	(\$682)	(\$326)	\$103	(\$905)
67	Residential Low-Income	Line 38 / .9 - Line 9 / .9	(\$33)	(\$8)	(\$9)	(\$50)
68	Total	Line 66 + Line 67	(\$715)	(\$334)	\$94	(\$955)

Actual vs. Normal Billing Degree Day Comparison for April 2015 - March 2016

Month/Year	Actual Billing Degree Days (a)	Normal Billing Degree Days (b)
1 Apr-15	748	639
2 May-15	288	339
3 Jun-15	102	118
4 Jul-15	16	16
5 Aug-15	0	0
6 Sep-15	3	17
7 Oct-15	144	142
8 Nov-15	367	429
9 Dec-15	612	767
10 Jan-16	808	1,024
11 Feb-16	944	1,049
12 Mar-16	808	931
Total	4,838	5,470
Degree Day Difference		631
Degree Day Difference (%)		-11.5%

Source: Normal Heating Degree Day Report

Line 13: Sum of Lines 1 through 12

Line 14: Abs(Line 13 Column (b)) - Line 13 Column (a))

Line 15: (Line 13 Column (a)) / Line 13 Column (b)) - 1

**The Narragansett Electric Company Annual Gas RDM Reconciliation Balance
Excluding Proposed Adjustment for Transferred Customers**

1	Residential Non-Heat (incl Low Income)	(\$501,080)
2	Residential Heat (incl Low Income)	(\$587,156)
3	Small C&I	\$599,538
4	Medium C&I	\$415,479
5	Net Over Recovery of RPC	<u>(\$73,219)</u>

- 1 Schedule SLN-6, Page 2, Column (I), Line 36
- 2 Schedule SLN-6, Page 3, Column (I), Line 72
- 3 Schedule SLN-6, Page 4, Column (I), Line 84
- 4 Schedule SLN-6, Page 4, Column (I), Line 96
- 5 Sum of lines 1-4

RDM Reconciliation by Rate Class by Month Without Adjusting Target RPCs and Normalizing Revenue

Reference	Apr-15 30 (a)	May-15 31 (b)	Jun-15 30 (c)	Jul-15 31 (d)	Aug-15 31 (e)	Sep-15 30 (f)	Oct-15 31 (g)	Nov-15 30 (h)	Dec-15 31 (i)	Jan-16 31 (j)	Feb-16 29 (k)	Mar-16 31 (l)
Residential Heating												
Docket 4573, SLN-3, Line 12	\$53.35	\$34.60	\$24.57	\$21.77	\$20.54	\$20.85	\$22.61	\$33.68	\$54.88	\$70.50	\$74.37	\$69.13
Line 48	\$0	(\$2,168,826)	(\$2,513,502)	(\$2,484,186)	(\$2,572,012)	(\$2,682,384)	(\$2,718,445)	(\$2,810,092)	(\$2,486,173)	(\$2,457,558)	(\$1,044,691)	(\$882,204)
Benchmark Revenue Per Customer (RPC)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Beginning Balance Under/(Over) Recovery	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Actual Number of Customers	192,348	190,629	190,917	190,851	191,023	191,368	192,871	194,958	196,482	197,596	198,171	205,450
Actual Base Revenue	\$12,430,141	\$6,938,211	\$4,658,892	\$4,240,121	\$4,030,790	\$4,024,009	\$4,449,751	\$6,239,285	\$10,752,299	\$12,515,405	\$14,574,274	\$13,573,774
Actual Base Revenue Per Customer	\$64.62	\$36.40	\$24.40	\$22.22	\$21.10	\$21.03	\$23.07	\$32.00	\$54.72	\$63.34	\$73.54	\$66.07
RPC Variance (Benchmark- Actual)	(\$11.27)	(\$1.80)	\$0.17	(\$0.45)	(\$0.56)	(\$0.17)	(\$0.46)	\$1.68	\$0.16	\$7.16	\$0.83	\$3.06
Monthly Under/(Over) Recovery of RPC	(\$2,167,715)	(\$342,199)	\$31,876	(\$85,151)	(\$107,592)	(\$33,296)	(\$88,721)	\$326,630	\$31,492	\$1,415,090	\$163,631	\$628,436
Preliminary Ending Balance	(\$1,083,858)	(\$2,339,925)	(\$2,481,627)	(\$2,569,337)	(\$2,679,604)	(\$2,713,680)	(\$2,807,166)	(\$2,483,461)	(\$2,454,681)	(\$1,042,468)	(\$881,060)	(\$553,768)
Average Balance	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%
Bk America Rate less 200 Basis Points	(\$1,111)	(\$2,477)	(\$2,559)	(\$2,675)	(\$2,780)	(\$2,765)	(\$2,925)	(\$2,712)	(\$2,877)	(\$2,223)	(\$1,144)	(\$722)
Interest Applied	(\$2,168,826)	(\$2,513,502)	(\$2,484,186)	(\$2,572,012)	(\$2,682,384)	(\$2,718,445)	(\$2,810,092)	(\$2,486,173)	(\$2,457,558)	(\$1,044,691)	(\$882,204)	(\$54,490)
Ending Balance Under/(Over) Recovery												
Residential Heating - Low Income												
Docket 4573, SLN-3, Line 12	\$53.35	\$34.60	\$24.57	\$21.77	\$20.54	\$20.85	\$22.61	\$33.68	\$54.88	\$70.50	\$74.37	\$69.13
Line 60	\$0	(\$202,284)	(\$200,282)	(\$232,195)	(\$267,419)	(\$299,154)	(\$325,309)	(\$358,120)	(\$345,164)	(\$351,001)	(\$234,098)	(\$217,314)
Benchmark Revenue Per Customer (RPC)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Beginning Balance Under/(Over) Recovery	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Actual Number of Customers	21,828	22,454	22,164	21,700	21,198	20,672	20,292	19,980	19,718	19,485	19,248	11,951
Actual Base Revenue	\$1,366,779	\$774,722	\$576,254	\$507,385	\$466,796	\$456,921	\$491,275	\$659,582	\$1,087,642	\$1,256,417	\$1,414,414	\$941,144
Actual Base Revenue Per Customer	\$62.62	\$34.50	\$26.00	\$23.38	\$22.02	\$22.10	\$24.21	\$33.01	\$55.16	\$64.48	\$73.48	\$78.75
RPC Variance (Benchmark- Actual)	(\$9.26)	\$0.10	(\$1.43)	(\$1.61)	(\$1.48)	(\$1.25)	(\$1.60)	\$0.67	(\$0.28)	\$6.02	\$0.89	(\$9.62)
Monthly Under/(Over) Recovery of RPC	(\$202,180)	\$2,215	(\$31,692)	(\$34,960)	(\$31,436)	(\$25,835)	(\$32,450)	\$13,317	(\$5,432)	\$117,273	\$17,053	(\$115,003)
Preliminary Ending Balance	(\$202,180)	(\$200,069)	(\$231,973)	(\$267,154)	(\$298,854)	(\$324,989)	(\$357,759)	(\$344,804)	(\$350,595)	(\$233,727)	(\$217,045)	(\$332,317)
Average Balance	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%
Bk America Rate less 200 Basis Points	(\$101,090)	(\$201,176)	(\$216,127)	(\$249,675)	(\$283,136)	(\$312,071)	(\$341,534)	(\$351,462)	(\$347,880)	(\$292,364)	(\$225,572)	(\$274,815)
Interest Applied	(\$104)	(\$213)	(\$221)	(\$264)	(\$300)	(\$320)	(\$362)	(\$360)	(\$405)	(\$371)	(\$268)	(\$349)
Ending Balance Under/(Over) Recovery	(\$202,284)	(\$200,282)	(\$232,195)	(\$267,419)	(\$299,154)	(\$325,309)	(\$358,120)	(\$345,164)	(\$351,001)	(\$234,098)	(\$217,314)	(\$532,666)
Residential Heat (incl Low Income)												
Docket 4573, SLN-3, Line 12	\$53.35	\$34.60	\$24.57	\$21.77	\$20.54	\$20.85	\$22.61	\$33.68	\$54.88	\$70.50	\$74.37	\$69.13
Line 72	\$0	(\$2,371,109)	(\$2,713,784)	(\$2,716,380)	(\$2,839,431)	(\$2,981,538)	(\$3,043,754)	(\$3,168,212)	(\$2,831,337)	(\$2,808,559)	(\$1,278,789)	(\$1,099,518)
Benchmark Revenue Per Customer (RPC)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Beginning Balance Under/(Over) Recovery	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Actual Number of Customers	214,176	213,083	213,081	212,551	212,221	212,040	213,163	214,938	216,200	217,081	217,419	217,401
Actual Base Revenue	\$13,796,920	\$7,712,934	\$5,235,146	\$4,747,506	\$4,497,586	\$4,480,930	\$4,941,026	\$6,898,867	\$11,839,940	\$13,771,821	\$15,988,687	\$14,514,919
Actual Base Revenue Per Customer	\$64.42	\$36.20	\$24.57	\$22.34	\$21.19	\$21.13	\$23.18	\$32.10	\$54.76	\$63.44	\$73.54	\$66.77
RPC Variance (Benchmark- Actual)	(\$11.07)	(\$1.60)	\$0.00	(\$0.57)	(\$0.66)	(\$0.28)	(\$0.57)	\$1.58	\$0.12	\$7.06	\$0.83	\$2.36
Monthly Under/(Over) Recovery of RPC	(\$2,369,895)	(\$339,984)	\$184	(\$120,111)	(\$139,027)	(\$59,131)	(\$121,171)	\$339,947	\$26,060	\$1,532,364	\$180,684	\$513,433
Preliminary Ending Balance	(\$2,369,895)	(\$2,711,093)	(\$2,713,600)	(\$2,836,491)	(\$2,978,458)	(\$3,040,669)	(\$3,164,925)	(\$2,828,238)	(\$2,805,276)	(\$1,276,195)	(\$1,098,105)	(\$586,085)
Average Balance	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%
Bk America Rate less 200 Basis Points	(\$1,184,948)	(\$2,541,101)	(\$2,713,692)	(\$2,776,436)	(\$2,908,945)	(\$3,011,103)	(\$3,104,340)	(\$2,998,238)	(\$2,818,307)	(\$2,042,377)	(\$1,188,447)	(\$842,801)
Interest Applied	(\$1,214)	(\$2,690)	(\$2,780)	(\$2,940)	(\$3,080)	(\$3,085)	(\$3,287)	(\$3,072)	(\$3,282)	(\$2,595)	(\$1,412)	(\$1,071)
Ending Balance Under/(Over) Recovery	(\$2,371,109)	(\$2,713,784)	(\$2,716,380)	(\$2,839,431)	(\$2,981,538)	(\$3,043,754)	(\$3,168,212)	(\$2,831,337)	(\$2,808,559)	(\$1,278,789)	(\$1,099,518)	(\$587,156)

RDM Reconciliation by Rate Class by Month Without Adjusting Target RPCs and Normalizing Revenue

Reference	Apr-15 30 (a)	May-15 31 (b)	Jun-15 30 (c)	Jul-15 31 (d)	Aug-15 31 (e)	Sep-15 30 (f)	Oct-15 31 (g)	Nov-15 30 (h)	Dec-15 31 (i)	Jan-16 31 (j)	Feb-16 29 (k)	Mar-16 31 (l)
Small C&I												
73 Benchmark Revenue Per Customer (RPC)	\$77.93	\$50.14	\$33.47	\$31.72	\$29.56	\$29.40	\$32.02	\$46.85	\$78.12	\$116.16	\$101.17	\$104.13
74 Beginning Balance Under/(Over) Recovery	\$0	(\$257,574)	(\$250,214)	(\$226,320)	(\$201,321)	(\$204,200)	(\$212,219)	(\$199,571)	(\$103,115)	(\$41,675)	\$502,254	\$436,838
75 Actual Number of Customers	18,903	18,711	18,534	18,451	18,426	18,393	18,568	18,843	19,055	19,232	19,250	19,212
76 Actual Base Revenue	\$1,730,613	\$930,600	\$596,270	\$560,132	\$547,277	\$548,646	\$581,685	\$786,227	\$1,427,021	\$1,690,258	\$2,013,411	\$1,838,471
77 Actual Base Revenue Per Customer	\$91.55	\$49.74	\$32.17	\$30.36	\$29.70	\$29.83	\$31.33	\$41.73	\$74.89	\$87.89	\$104.59	\$95.69
78 RPC Variance (Benchmark- Actual)	(\$13.62)	\$0.41	\$1.30	\$1.37	(\$0.14)	(\$0.42)	\$0.69	\$5.13	\$3.23	\$28.27	(\$3.43)	\$8.43
79 Monthly Under/(Over) Recovery of RPC	(\$257,442)	\$7,628	\$24,138	\$25,225	(\$2,664)	(\$7,806)	\$12,866	\$96,611	\$61,524	\$543,637	(\$65,974)	\$162,043
80 Preliminary Ending Balance	(\$257,442)	(\$249,945)	(\$226,076)	(\$201,095)	(\$203,985)	(\$212,006)	(\$199,353)	(\$102,960)	(\$41,591)	\$501,962	\$436,280	\$598,880
81 Average Balance	(\$128,721)	(\$253,760)	(\$238,145)	(\$213,708)	(\$202,653)	(\$208,103)	(\$205,786)	(\$151,265)	(\$72,353)	\$230,143	\$469,267	\$517,859
82 Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%
83 Interest Applied	(\$132)	(\$269)	(\$244)	(\$226)	(\$215)	(\$213)	(\$218)	(\$155)	(\$84)	\$292	\$558	\$658
84 Ending Balance Under/(Over) Recovery	(\$257,574)	(\$250,214)	(\$226,320)	(\$201,321)	(\$204,200)	(\$212,219)	(\$199,571)	(\$103,115)	(\$41,675)	\$502,254	\$436,838	\$599,538
Medium C&I												
85 Benchmark Revenue Per Customer (RPC)	\$390.91	\$306.74	\$258.99	\$228.10	\$215.25	\$227.59	\$250.75	\$319.05	\$401.46	\$503.80	\$518.03	\$496.12
86 Beginning Balance Under/(Over) Recovery	\$0	(\$238,503)	(\$182,906)	(\$77,516)	(\$62,254)	(\$98,524)	(\$95,282)	(\$49,072)	\$12,917	(\$307)	\$280,031	\$281,417
87 Actual Number of Customers	4,848	4,848	4,834	4,829	4,797	4,809	4,841	4,859	4,880	4,899	4,898	4,906
88 Actual Base Revenue	\$2,133,511	\$1,431,238	\$1,146,419	\$1,086,175	\$1,068,762	\$1,091,127	\$1,167,607	\$1,488,261	\$1,972,356	\$2,187,933	\$2,536,277	\$2,300,338
89 Actual Base Revenue Per Customer	\$440.08	\$295.22	\$237.16	\$224.93	\$222.80	\$226.89	\$241.19	\$306.29	\$404.17	\$446.61	\$517.82	\$468.88
90 RPC Variance (Benchmark- Actual)	(\$49.17)	\$11.51	\$21.83	\$3.18	(\$7.54)	\$0.69	\$9.56	\$12.76	(\$2.71)	\$7.19	\$0.21	\$27.24
91 Monthly Under/(Over) Recovery of RPC	(\$238,381)	\$55,820	\$105,524	\$15,336	(\$36,185)	\$3,341	\$46,286	\$62,007	(\$13,231)	\$280,160	\$1,053	\$133,619
92 Preliminary Ending Balance	(\$238,381)	(\$182,684)	(\$77,383)	(\$62,180)	(\$98,439)	(\$95,183)	(\$48,996)	(\$12,935)	(\$314)	\$279,854	\$281,084	\$415,037
93 Average Balance	(\$119,191)	(\$210,593)	(\$130,145)	(\$69,848)	(\$80,346)	(\$96,853)	(\$72,139)	(\$18,069)	\$6,301	\$139,773	\$280,558	\$348,227
94 Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%
95 Interest Applied	(\$122)	(\$223)	(\$133)	(\$74)	(\$85)	(\$99)	(\$76)	(\$19)	\$7	\$178	\$333	\$442
96 Ending Balance Under/(Over) Recovery	(\$238,503)	(\$182,906)	(\$182,906)	(\$77,516)	(\$62,254)	(\$98,524)	(\$95,282)	(\$49,072)	\$12,917	(\$307)	\$280,031	\$281,417

**THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC DOCKET NO. 4634
SUPPLEMENTAL DISTRIBUTION ADJUSTMENT CHARGE FILING
WITNESS: SUHILA NOURI NUTILE**

Schedule SLN-8S
ISR Reconciliation Factors

National Grid - RI Gas
FY 16 ISR Reconciliation Factors
Effective November 1, 2016

Line No.	Revenue Requirement (a)	Rate Class (b)	Rate Base Allocator % (c)	Allocation to Rate Class (d)	Actual Revenue (e)	Difference (f)	ISR Recon Under/(Over) Recovery (g)	Total Under Recovery by Rate Class (h)	Forecasted Throughput (dth) (i)	ISR Recon (dth) (i)	ISR Recon (therm) (k)
1		Res-NH	3.73%	\$844,807	\$439,896	\$404,911	\$52,284	\$457,196	749,942	\$0,6096	\$0,0609
2	\$22,642,848	Res-H	61.56%	\$13,938,518	\$8,447,170	\$5,491,348	\$523,526	\$6,014,874	18,714,342	\$0,3214	\$0,0321
3		Small	8.19%	\$1,853,775	\$1,061,895	\$791,880	\$117,809	\$909,689	2,310,988	\$0,3936	\$0,0393
4		Medium	13.58%	\$3,075,652	\$2,050,032	\$1,025,621	\$155,306	\$1,180,926	5,712,259	\$0,2067	\$0,0206
5		Large LL	6.04%	\$1,366,945	\$789,140	\$577,805	\$55,428	\$633,233	2,681,122	\$0,2361	\$0,0236
6		Large HL	2.35%	\$533,087	\$342,636	\$190,450	\$21,986	\$212,437	1,097,479	\$0,1935	\$0,0193
7		XL-LL	0.77%	\$174,107	\$145,894	\$28,213	\$2,438	\$30,651	1,265,853	\$0,0242	\$0,0024
8		XL-HL	3.78%	\$855,957	\$763,488	\$92,469	\$8,720	\$101,189	6,815,355	\$0,0148	\$0,0014
9		Total	100.00%	\$22,642,848	\$14,040,151	\$8,602,697	\$937,497	\$9,540,194	39,347,340		

(a) Docket 4540, FY 16 Updated ISR Cumulative Revenue Requirement filed August 2016.

(b) Docket 4323, RI 2012 Rate Case

(c) Col (a), Line 2 * Col (c), Lines 3 through 10 respectively

(d) Page 2, Col (m), Lines 10 through 17

(e) Column (d) - Column (c)

(f) SLN-10 - Pages 6-7 Column (l) Lines 8, 16, 24, 32, 40, 48, 56, 64

(g) Column (f) + Column (g)

(h) Per Company Forecast

(i) Column (h) / Column (i)

(k) Column (j) / 10

**THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC DOCKET NO. 4634
SUPPLEMENTAL DISTRIBUTION ADJUSTMENT CHARGE FILING
WITNESS: SUHILA NOURI NUTILE**

Schedule SLN-9
Firm Revenue Credit Factor

Revenue Credit per Docket 4323
FY 2016

Line No.	Month Bill Applies	<u>Distribution Charges</u>				Total	50% Credit
		Therms	Customer Charge	Distribution Charge	Demand Charge		
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	Mar-2016	367,166	\$425	\$9,399	\$36,750	\$46,575	\$23,287
2	Feb-2016	602,129	\$425	\$15,414	\$36,750	\$52,590	\$26,295
3	Jan-2016	637,467	\$425	\$16,319	\$36,750	\$53,495	\$26,747
4	Dec-2015	606,948	\$425	\$15,538	\$36,750	\$52,713	\$26,357
5	Nov-2015	630,165	\$425	\$16,132	\$36,750	\$53,308	\$26,654
6	Oct-2015	679,784	\$425	\$17,402	\$761	\$18,589	\$9,294
7	Sep-2015	593,010	\$425	\$15,181	\$761	\$16,367	\$8,184
8	Aug-2015	687,615	\$425	\$17,603	\$761	\$18,789	\$9,395
9	Jul-2015	712,899	\$425	\$18,250	\$761	\$19,436	\$9,718
10	Jun-2015	599,070	\$425	\$15,336	\$761	\$16,522	\$8,261
11	May-2015	659,515	\$425	\$16,884	\$761	\$18,070	\$9,035
12	Apr-2015	615,010	\$425	\$15,744	\$761	\$16,930	\$8,465
13	Total	7,390,777	\$5,100	\$189,204	\$189,080	\$383,384	\$191,692

Lines 1-12 Columns (a) through (e): Data provided from the Company's billing system.

Col (g) As noted in the Settlement Agreement in Docket 4323, Article III, Section A.4, 50% of distribution revenue will be credited back to customers.

**THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC DOCKET NO. 4634
SUPPLEMENTAL DISTRIBUTION ADJUSTMENT CHARGE FILING
WITNESS: SUHILA NOURI NUTILE**

Schedule SLN-10S
Reconciliation Factors

**National Grid - RI Gas
Reconciliation Factor effective November 1, 2016**

Section 1: Reconciliation of Prior Year DAC Factors (All Rate Classes)

Line No.	Description	Schedule	Page #	Ending Balance	Period
1	System Pressure		Page 2, line 9	\$393,621	Based on Nov 15-Oct 16
2	AGT Factor		Page 2, line 17	\$32,872	Based on Apr 15 - Mar 16
3	Environmental - DAC		Page 2, line 25	\$54,965	Based on Nov 15-Oct 16
4	On-System Margin Credits		Page 3, line 49	\$25,510	Based on Nov 15-Oct 16
5	Pension		Page 3, line 57	(\$206,130)	Based on Nov 15-Oct 16
6	PBOP		Page 3, line 65	(\$261,056)	Based on Nov 15-Oct 16
7	Previous Reconciliation Factor		Page 2, line 33	\$24,132	Based on Nov 15-Oct 16
8	Earnings Sharing Mechanism		Page 3, line 73	(\$55,019)	Based on Nov 15-Oct 16
9	True-up October 15		Page 8, line 23	(\$89,389)	Based on Actual Oct 15 vs. Oct 15 Forecast
10	AGT Interest on Fund balance		SLN-3, page 2, line 16, col (m)	(\$20,718)	Based on Apr 15 - Mar 16
11	Revenue Credit per Docket 4323		SLN-9, line 13, col (g)	(\$191,692)	
12	Sub Total		Sum ([1]: [11])	(\$292,904)	
13	Firm Throughput		Nov 2016 - Oct 2017	39,347,340	dth
14	Reconciliation Factor		Line (12) / Line (13)	(\$0.0074)	per dth
15	Reconciliation Factor		Line (14) / 10, truncated to 4 decimal places	(\$0.0007)	per therm

Section 2: Revenue Decoupling Mechanism Reconciliation

Line No.	Description	Schedule	Page #	Ending Balance	Period
16	RDA Reconciliation		Page 5, line 13	(\$2,097,985)	Based on Nov 15-Oct 16
17	RDM Recon Reconciliation		Page 5, line 27	\$95,131	Based on Nov 15-Oct 16
18	Sub Total		Line (16) + Line (17)	(\$2,002,854)	
19	Firm Throughput, Residential, Small & Medium C&I		Nov 2016 - Oct 2017	27,487,531	dth
20	RDA Reconciliation Factor		Line (18) / Line (19)	(\$0.0728)	per dth
21	RDA Reconciliation Factor		Line (20) / 10, truncated to 4 decimal places	(\$0.0072)	per therm

Section 3: Reconciliation of Prior year DAC Factors (Large & X-Large Only)

Line No.	Description	Schedule	Page #	Ending Balance	Period
22	AGT Factor - Base Rates		Page 4, line 18	(\$11,790)	Based on Apr 15 - Mar 16
23	LIAP Factor - Base Rates		Page 4, line 30	(\$70,354)	Based on Apr 15 - Mar 16
24	Environmental - Base Rates		Page 4, line 41	(\$51,630)	Based on Apr 15 - Mar 16
25	Previous Reconciliation Factor		Page 3, line 41	(\$11,071)	Based on Nov 15-Oct 16
26	Sub Total		Sum ([22]:[25])	(\$144,846)	
27	Firm Throughput, Large and Extra Large C&I		Nov 2016 - Oct 2017	11,859,809	dth
28	L / XL Reconciliation Factor		Line (26) / Line (27)	(\$0.0122)	per dth
29	L / XL Reconciliation Factor ¹		Line (28) / 10, truncated to 4 decimal places	(\$0.0012)	per therm

¹ This rate will be combined with the Reconciliation factor of (\$0.0007) per therm for an overall Large and Extra Large Reconciliation factor of (\$0.0019) per therm

**National Grid - RI Gas
Non-Base Rate / Gas Year Reconciling Components**

Line No.	Nov-15 30 Actual	Dec-15 31 Actual	Jan-16 31 Actual	Feb-16 29 Actual	Mar-16 31 Actual	Apr-16 30 Actual	May-16 31 Actual	Jun-16 30 Actual	Jul-16 31 Actual	Aug-16 31 Forecast	Sep-16 30 Forecast	Oct-16 31 Forecast	12 month End
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
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System Pressure Recon Adjust.

System Pressure Act Beg. Balance Under/(Over) Recovery
Actual Costs
Actual Revenue
Ending Balance Under/(Over) Recovery
Average Monthly Balance Under/(Over) Recovery
BK America Rate less 200 Basis Points
Interest Applct.
Sys Pressure End Balance Under/(Over) Recover.

Advanced Gas Technology

AGT Act Beg. Balance Under/(Over) Recovery
Actual AGT Revenue
Ending AGT Balance
Average Monthly Balance Under/(Over) Recovery
BK America Rate less 200 Basis Points
Interest Applct.
AGT End Balance Under/(Over) Recover.

Environmental Recon. Adjust - DAC

Environmental Act Beg. Balance Under/(Over) Recovery
Actual Environmental Revenue
Ending Environmental Balance Under/(Over) Recovery
Average Monthly Balance Under/(Over) Recovery
BK America Rate less 200 Basis Points
Interest Applct.
Environmental Recon End Balance Under/(Over) Recovery

Reconciliation Factor (Applicable to all) - DAC

Recon Factor Act Beg. Balance Under/(Over) Recovery
Actual Recon Revenue
Ending Recon Balance Under/(Over) Recovery
Average Monthly Balance Under/(Over) Recovery
BK America Rate less 200 Basis Points
Interest Applct.
Reconciliation End Balance Under/(Over) Recovery

**National Grid - RI Gas
Non-Base Rate / Gas Year Reconciling Components**

	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	12 month End
	30	31	31	29	31	30	31	30	31	31	30	31	Forecast
	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Forecast	Forecast	Forecast	Forecast
34 Reconciliation Factor (L & XL) - DAC													
35 Recon Factor Acct Beg. Balance Under/(Over) Recovery	(\$179,629)	(\$166,194)	(\$149,541)	(\$131,393)	(\$107,156)	(\$87,894)	(\$73,599)	(\$59,489)	(\$50,465)	(\$41,684)	(\$32,710)	(\$23,196)	(\$179,629)
36 Actual Recon Revenue (L & XL)	(\$13,012)	(\$16,836)	(\$18,327)	(\$24,378)	(\$19,386)	(\$14,394)	(\$14,195)	(\$9,092)	(\$8,839)	(\$9,021)	(\$9,549)	(\$12,146)	(\$169,775)
37 Ending Recon Balance Under/(Over) Recovery	(\$166,017)	(\$149,358)	(\$131,214)	(\$107,015)	(\$87,770)	(\$73,500)	(\$59,404)	(\$50,397)	(\$41,626)	(\$32,663)	(\$23,161)	(\$11,050)	(\$9,854)
38 Average Monthly Balance Under/(Over) Recovery	1.25%	1.38%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
39 BK America Rate less 200 Basis Points	(\$177)	(\$184)	(\$178)	(\$142)	(\$84)	(\$89)	(\$84)	(\$68)	(\$58)	(\$47)	(\$34)	(\$22)	(\$1,218)
40 Interest Applied	(\$166,194)	(\$149,541)	(\$131,393)	(\$107,156)	(\$87,894)	(\$73,599)	(\$59,489)	(\$50,465)	(\$41,684)	(\$32,710)	(\$23,196)	(\$11,071)	(\$11,071)
41 Reconciliation End Balance Under/(Over) Recovery													
42 On-system Credits Recon. Adjust. - DAC													
43 On-system Credit Acct Beg. Balance Under/(Over) Recovery	\$133,185	\$125,839	\$114,239	\$99,754	\$81,275	\$65,698	\$54,474	\$46,280	\$41,703	\$38,017	\$34,464	\$30,626	\$133,185
44 Actual On-system Revenue	\$7,479	\$11,739	\$14,621	\$18,587	\$15,670	\$11,298	\$8,258	\$4,631	\$3,736	\$3,599	\$3,878	\$5,152	\$108,648
45 Ending On-system Balance Under/(Over) Recovery	\$125,706	\$114,100	\$99,618	\$81,167	\$65,605	\$54,400	\$46,216	\$41,649	\$39,835	\$36,218	\$32,525	\$28,050	\$24,537
46 Average Monthly Balance Under/(Over) Recovery	1.25%	1.38%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
47 BK America Rate less 200 Basis Points	\$133	\$140	\$136	\$108	\$93	\$74	\$64	\$54	\$51	\$46	\$40	\$36	\$973
48 Interest Applied	\$125,839	\$114,239	\$99,754	\$81,275	\$65,698	\$54,474	\$46,280	\$41,703	\$38,017	\$34,464	\$30,626	\$25,510	\$25,510
49 On-system Credit End Balance Under/(Over) Recovery													
Pension Adjustment													
50 Pen Acct Beg. Balance Under/(Over) Recovery	(\$1,436,257)	(\$1,377,864)	(\$1,242,431)	(\$1,073,327)	(\$857,617)	(\$675,772)	(\$544,720)	(\$449,017)	(\$352,394)	(\$310,828)	(\$265,942)	(\$206,130)	(\$1,436,257)
51 Actual Pension Revenue	(\$59,834)	(\$136,958)	(\$170,574)	(\$216,857)	(\$182,818)	(\$131,802)	(\$96,334)	(\$64,028)	(\$43,589)	(\$41,987)	(\$45,240)	(\$60,112)	(\$1,240,133)
52 Ending Pension Balance Under/(Over) Recovery	(\$1,376,423)	(\$1,240,906)	(\$1,071,857)	(\$856,470)	(\$674,799)	(\$543,970)	(\$448,386)	(\$394,889)	(\$351,919)	(\$310,407)	(\$265,588)	(\$205,830)	(\$196,124)
53 Average Monthly Balance Under/(Over) Recovery	1.25%	1.38%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
54 BK America Rate less 200 Basis Points	(\$1,406,340)	(\$1,309,385)	(\$1,157,144)	(\$964,899)	(\$766,208)	(\$609,871)	(\$496,553)	(\$422,003)	(\$373,713)	(\$331,400)	(\$288,208)	(\$235,886)	(\$196,124)
55 Interest Applied	(\$1,441)	(\$1,525)	(\$1,470)	(\$1,147)	(\$973)	(\$750)	(\$631)	(\$519)	(\$475)	(\$421)	(\$354)	(\$300)	(\$10,006)
56 Pension Adjustment End Balance Under/(Over) Recovery	(\$1,377,864)	(\$1,242,431)	(\$1,073,327)	(\$857,617)	(\$675,772)	(\$544,720)	(\$449,017)	(\$352,394)	(\$310,828)	(\$265,942)	(\$206,130)	(\$151,006)	(\$10,006)
PHOP Adjustment													
58 PHOP Acct Beg. Balance Under/(Over) Recovery	(\$2,357,249)	(\$2,237,441)	(\$2,009,040)	(\$1,723,871)	(\$1,360,143)	(\$1,053,498)	(\$832,474)	(\$671,037)	(\$507,941)	(\$437,762)	(\$361,992)	(\$261,056)	(\$2,357,249)
59 Actual PHOP Revenue	(\$122,161)	(\$230,872)	(\$287,539)	(\$365,559)	(\$308,178)	(\$222,182)	(\$162,392)	(\$91,077)	(\$73,479)	(\$70,779)	(\$76,262)	(\$101,331)	(\$2,111,811)
60 Ending PHOP Balance Under/(Over) Recovery	(\$2,235,088)	(\$2,006,569)	(\$1,721,501)	(\$1,358,312)	(\$1,051,965)	(\$831,316)	(\$670,082)	(\$579,960)	(\$507,250)	(\$437,162)	(\$361,500)	(\$260,661)	(\$245,438)
61 Average Monthly Balance Under/(Over) Recovery	1.25%	1.38%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
62 BK America Rate less 200 Basis Points	(\$2,296,168)	(\$2,122,005)	(\$1,865,270)	(\$1,541,091)	(\$1,206,054)	(\$942,407)	(\$751,278)	(\$625,498)	(\$543,989)	(\$472,551)	(\$399,631)	(\$311,326)	(\$245,438)
63 Interest Applied	(\$2,353)	(\$2,471)	(\$2,370)	(\$1,832)	(\$1,532)	(\$1,159)	(\$954)	(\$769)	(\$691)	(\$600)	(\$491)	(\$396)	(\$15,618)
64 PHOP Adjustment End Balance Under/(Over) Recovery	(\$2,237,441)	(\$2,009,040)	(\$1,723,871)	(\$1,360,143)	(\$1,053,498)	(\$832,474)	(\$671,037)	(\$507,941)	(\$437,762)	(\$361,992)	(\$261,056)	(\$151,056)	(\$15,618)
Earnings Sharing Mechanism													
66 ESM Acct Beg. Balance Under/(Over) Recovery	(\$332,374)	(\$322,736)	(\$291,789)	(\$253,147)	(\$203,851)	(\$162,298)	(\$132,353)	(\$110,488)	(\$98,266)	(\$88,422)	(\$78,931)	(\$68,681)	(\$332,374)
67 Actual ESM Revenue	(\$9,973)	(\$31,305)	(\$38,988)	(\$49,567)	(\$41,786)	(\$30,126)	(\$22,019)	(\$12,350)	(\$9,963)	(\$9,597)	(\$10,341)	(\$13,740)	(\$279,755)
68 Ending ESM Balance Under/(Over) Recovery	(\$322,401)	(\$291,431)	(\$252,801)	(\$203,580)	(\$162,065)	(\$130,172)	(\$110,334)	(\$98,138)	(\$88,303)	(\$78,825)	(\$68,590)	(\$54,941)	(\$52,619)
69 Average Monthly Balance Under/(Over) Recovery	1.25%	1.38%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
70 BK America Rate less 200 Basis Points	(\$327,387)	(\$307,084)	(\$272,295)	(\$228,363)	(\$182,958)	(\$147,235)	(\$121,343)	(\$104,313)	(\$93,285)	(\$83,625)	(\$73,760)	(\$61,811)	(\$61,811)
71 Interest Applied	(\$335)	(\$358)	(\$346)	(\$271)	(\$232)	(\$181)	(\$154)	(\$128)	(\$119)	(\$106)	(\$91)	(\$79)	(\$2,400)
72 ESM Adjustment End Balance Under/(Over) Recovery	(\$322,736)	(\$291,789)	(\$253,147)	(\$203,851)	(\$162,298)	(\$132,353)	(\$110,488)	(\$98,266)	(\$88,422)	(\$78,931)	(\$68,681)	(\$55,019)	(\$55,019)

Column (a), Line 11, per Docket 4573, SLN-IS, Page 1, Line 2.
Column (a), Line 19, per Docket 4573, SLN-IS, Page 1, Line 4.
Column (a), Line 27, per Docket 4573, SLN-IS, Page 1, Line 11.
Column (a), Line 35, per Docket 4573, SLN-IS, Page 1, Line 25.
Column (a), Line 43, per Docket 4573, SLN-IS, Page 1, Line 6.
Column (a), Line 51, per Docket 4573, SLN-IS, Page 1, Line 3.
Column (a), Line 59, per Docket 4573, SLN-IS, Page 1, Line 9.
Column (a), Line 67, per Docket 4573, SLN-IS, Page 1, Line 9.

Narragansett Electric Company
Base Rate / Fiscal Year Reconciling Components

Line No.	Source	National Grid - RI Gas												Mar-16	12 month End	
		Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	31			
1	AGT Factor - Base Rates	\$0.0084	\$0.0084	\$0.0084	\$0.0084	\$0.0084	\$0.0084	\$0.0084	\$0.0084	\$0.0084	\$0.0084	\$0.0084	\$0.0084	\$0.0084	\$0.0084	\$0.0084
2	LIAP Factor - Base Rates	\$0.0500	\$0.0500	\$0.0500	\$0.0500	\$0.0500	\$0.0500	\$0.0500	\$0.0500	\$0.0500	\$0.0500	\$0.0500	\$0.0500	\$0.0500	\$0.0500	\$0.0500
3	LIHEAP Factor - Base Rates	\$0.0444	\$0.0444	\$0.0444	\$0.0444	\$0.0444	\$0.0444	\$0.0444	\$0.0444	\$0.0444	\$0.0444	\$0.0444	\$0.0444	\$0.0444	\$0.0444	\$0.0444
4	Low Income Weatherization Factor - Base Rates	\$0.0056	\$0.0056	\$0.0056	\$0.0056	\$0.0056	\$0.0056	\$0.0056	\$0.0056	\$0.0056	\$0.0056	\$0.0056	\$0.0056	\$0.0056	\$0.0056	\$0.0056
5	Environmental - Base Rates	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367	\$0.0367
6	RI Firm Forecasted Throughput (dth) Feb 13 - Jan 14 (Rate Year)	3,826,443	2,321,424	1,505,558	1,230,159	1,063,069	1,175,941	1,391,267	2,407,560	4,054,661	5,577,080	5,765,550	5,359,362	35,678,072		
7	RI Firm L-XL Forecasted Throughput (dth)	992,288	720,015	553,276	530,577	477,149	548,615	587,911	770,135	1,063,665	1,163,568	1,264,681	1,195,353	9,867,232		
	Actual RI Firm L-XL Firm through-put (dth)	1,351,331	644,643	555,273	593,821	637,806	637,432	623,587	947,355	1,136,071	1,223,013	1,624,951	1,289,333	8,713,370		

AGT Recon. Adjustment - Base Rates L-XL

Line No.	Description	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	31	Target Collection L-XL
8	AGT Recon. Acct Beg. Balance Under/(Over) Recovery	\$0	(\$3,021)	(\$2,388)	(\$2,406)	(\$2,940)	(\$4,293)	(\$5,042)	(\$5,345)	(\$6,839)	(\$7,452)	(\$7,957)	(\$10,993)	\$82,980
9	Fest Firm Through-put L-XL	992,288	720,015	553,276	530,577	477,149	548,615	587,911	770,135	1,063,665	1,163,568	1,264,681	1,195,353	9,867,232
10	Fest L/XL AGT Collections	\$8,344	\$6,054	\$4,652	\$4,461	\$4,012	\$4,613	\$4,943	\$6,476	\$8,944	\$9,784	\$10,634	\$10,051	\$82,968
11	Actual Firm Through-put L-XL	1,351,331	644,643	555,273	593,821	637,806	637,432	623,587	947,355	1,136,071	1,223,013	1,624,951	1,289,333	11,264,617
12	Actual AGT Collections	\$11,363	\$3,420	\$4,669	\$4,993	\$5,360	\$5,243	\$5,243	\$7,966	\$9,553	\$10,284	\$13,663	\$10,841	\$94,718
13	Collection Variance	(\$3,019)	\$634	(\$17)	(\$532)	(\$747)	(\$300)	(\$1,490)	(\$1,490)	(\$609)	(\$500)	(\$1,986)	(\$790)	
14	Ending Balance Under/(Over) Recovery	(\$3,019)	(\$2,387)	(\$2,405)	(\$2,938)	(\$4,291)	(\$5,040)	(\$5,342)	(\$6,835)	(\$7,448)	(\$7,952)	(\$10,986)	(\$11,783)	
15	Average Balance Under/(Over) Recovery	(\$1,510)	(\$1,193)	(\$1,202)	(\$1,469)	(\$2,145)	(\$2,520)	(\$2,671)	(\$3,418)	(\$3,724)	(\$3,976)	(\$5,493)	(\$5,891)	
16	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%	
17	Interest Applied	(\$2)	(\$1)	(\$1)	(\$2)	(\$2)	(\$3)	(\$3)	(\$4)	(\$4)	(\$5)	(\$7)	(\$7)	(\$40)
18	AGT End Balance Under/(Over) Recovery	(\$3,021)	(\$2,388)	(\$2,406)	(\$2,940)	(\$4,293)	(\$5,042)	(\$5,345)	(\$6,839)	(\$7,452)	(\$7,957)	(\$10,993)	(\$11,790)	(\$11,790)

LIAP Recon. Adjustment - Base Rates L-XL

Line No.	Description	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	31	Target Collection L-XL
19	LIAP Recon. Acct Beg. Balance Under/(Over) Recovery	\$0	(\$17,972)	(\$14,218)	(\$14,333)	(\$17,515)	(\$25,576)	(\$30,047)	(\$31,865)	(\$40,769)	(\$44,441)	(\$47,473)	(\$65,565)	\$493,731
20	Fest Firm Through-put L-XL	992,288	720,015	553,276	530,577	477,149	548,615	587,911	770,135	1,063,665	1,163,568	1,264,681	1,195,353	9,867,232
21	Fest LIAP Collections	\$49,645	\$36,023	\$27,681	\$26,545	\$23,872	\$27,448	\$29,414	\$38,530	\$53,216	\$58,214	\$63,273	\$59,804	\$493,665
22	Actual Firm Through-put L-XL	1,351,331	644,643	555,273	593,821	637,806	637,432	623,587	947,355	1,136,071	1,223,013	1,624,951	1,289,333	11,264,617
23	Actual LIAP Collections No EE	\$60,033	\$28,638	\$24,668	\$26,381	\$28,335	\$28,318	\$27,703	\$42,086	\$50,470	\$54,332	\$72,189	\$57,279	\$500,432
24	Actual LIAP Collections EE Only	\$7,575	\$3,614	\$3,113	\$3,329	\$3,575	\$3,573	\$3,496	\$5,311	\$6,368	\$6,856	\$9,109	\$7,228	\$63,147
25	Collection Variance	(\$17,963)	\$3,771	(\$100)	(\$3,165)	(\$8,038)	(\$4,443)	(\$1,785)	(\$8,867)	(\$3,622)	(\$2,974)	(\$18,025)	(\$4,703)	
26	Ending Balance Under/(Over) Recovery	(\$17,963)	(\$14,201)	(\$14,318)	(\$17,498)	(\$25,553)	(\$30,019)	(\$31,832)	(\$40,732)	(\$44,391)	(\$47,415)	(\$65,498)	(\$70,268)	
27	Average Balance Under/(Over) Recovery	(\$8,982)	(\$6,087)	(\$6,268)	(\$6,915)	(\$12,534)	(\$15,259)	(\$15,939)	(\$20,384)	(\$22,391)	(\$23,706)	(\$32,747)	(\$34,841)	
28	Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%	
29	Interest Applied	(\$9)	(\$7)	(\$15)	(\$17)	(\$28)	(\$28)	(\$33)	(\$37)	(\$50)	(\$58)	(\$67)	(\$86)	(\$440)
30	LIAP End Balance Under/(Over) Recovery	(\$17,972)	(\$14,218)	(\$14,333)	(\$17,515)	(\$25,576)	(\$30,047)	(\$31,865)	(\$40,769)	(\$44,441)	(\$47,473)	(\$65,565)	(\$70,268)	(\$70,268)

Environmental Recon. Adjust - Base Rates L-XL

Line No.	Description	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	31	Target Collection L-XL
31	Environmental Recon. Acct Beg. Balance Under/(Over) Recovery	\$0	(\$13,190)	(\$10,435)	(\$10,519)	(\$12,853)	(\$18,768)	(\$22,050)	(\$23,384)	(\$29,918)	(\$32,613)	(\$34,839)	(\$48,116)	\$362,346
32	Fest Firm Through-put L-XL	992,288	720,015	553,276	530,577	477,149	548,615	587,911	770,135	1,063,665	1,163,568	1,264,681	1,195,353	9,867,232
33	Fest Environmental Collections	\$36,434	\$26,437	\$20,315	\$19,481	\$17,520	\$20,144	\$21,586	\$28,277	\$39,055	\$42,723	\$46,436	\$43,890	\$362,298
34	Actual Firm Through-put L-XL	1,351,331	644,643	555,273	593,821	637,806	637,432	623,587	947,355	1,136,071	1,223,013	1,624,951	1,289,333	11,264,617
35	Actual Environmental Collections	\$13,183	\$2,767	(\$73)	(\$2,322)	(\$5,898)	(\$3,261)	(\$1,310)	(\$6,507)	(\$2,658)	(\$2,183)	(\$13,228)	(\$3,451)	\$413,605
36	Collection Variance	(\$13,183)	(\$10,423)	(\$10,508)	(\$12,841)	(\$18,751)	(\$22,029)	(\$23,360)	(\$29,891)	(\$32,576)	(\$34,796)	(\$48,067)	(\$51,567)	
37	Ending Environmental Balance Under/(Over) Recovery	(\$6,592)	(\$11,806)	(\$10,472)	(\$12,680)	(\$18,802)	(\$20,399)	(\$22,704)	(\$33,704)	(\$34,453)	(\$48,453)	(\$49,841)	(\$63,223)	
38	Average Balance Under/(Over) Recovery	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%	
39	Bk America Rate less 200 Basis Points	(\$7)	(\$12)	(\$11)	(\$12)	(\$17)	(\$21)	(\$24)	(\$27)	(\$36)	(\$43)	(\$49)	(\$63)	(\$323)
40	Interest Applied	(\$13,190)	(\$10,435)	(\$10,519)	(\$12,853)	(\$18,768)	(\$22,050)	(\$23,384)	(\$29,918)	(\$32,613)	(\$34,839)	(\$48,116)	(\$51,630)	(\$51,630)

**National Grid - RI Gas
RDA Reconciliation**

Line No.	Nov-15 Actual (a)	Dec-15 Actual (b)	Jan-16 Actual (c)	Feb-16 Actual (d)	Mar-16 Actual (e)	Apr-16 Actual (f)	May-16 Actual (g)	Jun-16 Actual (h)	Jul-16 Actual (i)	Aug-16 Forecast (j)	Sep-16 Forecast (k)	Oct-16 Forecast (l)	Total (m)
1													
2	38,408	62,658	78,888	92,769	69,854	62,960	41,123	29,766	18,985	22,307	24,221	28,799	570,738
3	988,175	1,951,930	2,536,996	3,133,546	2,710,788	1,930,631	1,162,655	629,482	433,234	352,061	402,675	561,110	16,792,382
4	106,549	241,297	338,813	440,658	376,259	245,627	129,552	71,339	48,956	45,820	48,939	71,448	2,155,258
5	348,671	568,689	710,649	902,877	764,825	558,619	369,646	211,771	158,015	178,069	180,123	246,593	5,198,347
6	1,481,803	2,824,574	3,655,345	4,569,851	3,921,725	2,797,837	1,702,976	942,458	658,191	598,258	655,958	907,750	24,716,725
7	RDM Acct Beg. Balance												
8	Actual RDM Revenue	(\$13,672,833)	(\$13,672,833)	(\$10,481,206)	(\$8,206,966)	(\$6,250,652)	(\$4,854,371)	(\$3,956,912)	(\$3,492,704)	(\$3,168,851)	(\$2,873,558)	(\$2,548,910)	(\$197,762)
9	Ending RDM Balance Under/(Over) Recovery	(\$627,330)	(\$1,825,869)	(\$1,267,246)	(\$2,285,339)	(\$1,965,492)	(\$903,053)	(\$468,785)	(\$328,082)	(\$299,129)	(\$327,979)	(\$453,875)	(\$2,548,910)
10	Average Monthly Balance	(\$13,658,517)	(\$12,277,505)	(\$10,466,748)	(\$8,195,867)	(\$6,241,473)	(\$3,951,318)	(\$3,488,127)	(\$3,164,022)	(\$2,869,722)	(\$2,545,579)	(\$2,095,035)	(\$2,095,035)
11	Bk America Rate less 200 Basis Points	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12	Interest Applied	(\$14,316)	(\$15,111)	(\$14,458)	(\$11,099)	(\$9,178)	(\$5,594)	(\$4,577)	(\$4,229)	(\$3,836)	(\$3,331)	(\$2,950)	(\$2,950)
13	RDM Recon End Balance Under/(Over) Recovery	(\$13,672,833)	(\$12,292,617)	(\$10,481,206)	(\$8,206,966)	(\$6,250,652)	(\$4,854,371)	(\$3,956,912)	(\$3,492,704)	(\$3,168,851)	(\$2,873,558)	(\$2,548,910)	(\$2,097,985)
14	RDM Revenue per rate class												
15	Res-NH	(\$16,260)	(\$30,953)	(\$39,405)	(\$46,393)	(\$35,009)	(\$21,807)	(\$14,806)	(\$9,463)	(\$11,154)	(\$12,110)	(\$14,400)	(\$283,334)
16	Res-H	(\$418,350)	(\$964,245)	(\$1,267,246)	(\$1,567,057)	(\$1,358,594)	(\$616,532)	(\$313,158)	(\$215,452)	(\$176,030)	(\$201,337)	(\$280,555)	(\$8,346,759)
17	Small	(\$45,108)	(\$119,200)	(\$164,244)	(\$220,369)	(\$188,574)	(\$68,699)	(\$35,485)	(\$24,403)	(\$22,910)	(\$24,470)	(\$35,724)	(\$1,072,366)
18	Medium	(\$147,612)	(\$280,930)	(\$354,974)	(\$451,520)	(\$383,315)	(\$196,016)	(\$105,336)	(\$78,764)	(\$89,035)	(\$90,062)	(\$123,197)	(\$2,580,905)
19	Total	(\$627,330)	(\$1,825,869)	(\$1,267,246)	(\$2,285,339)	(\$1,965,492)	(\$903,053)	(\$468,785)	(\$328,082)	(\$299,129)	(\$327,979)	(\$453,875)	(\$2,548,910)
20	RDM Recon Adjustment												
21	RDM Recon Acct Beg. Balance Under/(Over) Recovery	\$384,480	\$396,525	\$359,687	\$312,641	\$253,559	\$166,492	\$143,209	\$131,189	\$122,821	\$115,195	\$106,804	\$384,480
22	Actual RDM Recon Revenue	(\$10,646)	\$36,278	\$47,472	\$59,419	\$51,102	\$23,480	\$12,188	\$8,530	\$7,777	\$8,527	\$11,801	\$292,409
23	Ending RDM Recon Balance Under/(Over) Recovery	\$395,126	\$359,247	\$312,215	\$253,222	\$202,457	\$143,012	\$131,021	\$122,659	\$115,044	\$106,668	\$95,003	\$92,071
24	Average Monthly Balance Under/(Over) Recovery	\$389,805	\$377,386	\$335,951	\$282,932	\$228,008	\$154,752	\$137,115	\$126,924	\$118,952	\$110,931	\$100,904	\$389,805
25	Bk America Rate less 200 Basis Points	1.25%	1.38%	1.50%	1.80%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
26	Interest Applied	\$399	\$440	\$427	\$336	\$290	\$197	\$169	\$161	\$151	\$136	\$128	\$3,061
27	RDM Recon Adjustment End Balance Under/(Over) Recovery	\$395,525	\$359,687	\$312,641	\$253,559	\$202,746	\$143,209	\$131,189	\$122,821	\$115,195	\$106,804	\$95,131	\$95,131
28	RDM Recon and Recon Adj End Balance Under/(Over) Recovery												(\$2,002,854)

6 Sum Lines (2) through (5).
7 (a) Beginning balance, Docket 4573, Schedule SLN-1S, Line 13 + monthly interest calculated from April - October at BK America rate less 200 basis points.
19 Sum Lines (14) through (18).
21 (a) Beginning balance, Docket 4573, SLN-1S, Line 14.
28 Line 13 + Line 27.

**National Grid – RI Gas
ISR Reconciliation for FY 15**

Line No.		Nov-15 30 Actual	Dec-15 31 Actual	Jan-16 31 Actual	Feb-16 29 Actual	Mar-16 31 Actual	Apr-16 30 Actual	May-16 31 Actual	Jun-16 30 Actual	Jul-16 31 Actual	Aug-16 31 Forecast	Sep-16 30 Forecast	Oct-16 31 Forecast	Total
1	ISR Res-NH Act Beg. Balance Under/(Over-Recovery)	\$233,598	\$237,052	\$215,710	\$188,462	\$156,285	\$132,031	\$110,141	\$95,050	\$84,827	\$78,325	\$70,634	\$62,263	
2	FY 2014 Recon	\$11,806												
3	Actual Res-NH Revenue	\$8,593	\$21,605	\$27,505	\$32,382	\$24,437	\$22,039	\$15,221	\$10,334	\$6,606	\$7,785	\$8,453	\$10,051	
4	Ending Res-NH Balance Under/(Over) Recovery	\$236,811	\$215,447	\$188,205	\$156,080	\$131,848	\$109,992	\$94,920	\$84,716	\$78,221	\$70,539	\$62,181	\$52,212	
5	Average Monthly Balance Under/(Over) Recovery	\$235,205	\$226,249	\$201,958	\$172,271	\$144,066	\$121,012	\$102,531	\$89,883	\$81,524	\$74,432	\$66,408	\$57,237	
6	Bk America Rate less 200 Basis Points	1.25%	1.38%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	
7	Interest Applied	\$241	\$263	\$257	\$205	\$183	\$149	\$130	\$111	\$104	\$95	\$82	\$73	
8	ISR Res-NH Recon End Balance Under/(Over) Recovery	\$237,052	\$215,710	\$188,462	\$156,285	\$132,031	\$110,141	\$95,050	\$84,827	\$78,325	\$70,634	\$62,263	\$52,284	
9	ISR Res-H Act Beg. Balance Under/(Over) Recovery	\$3,841,784	\$3,705,313	\$3,319,847	\$2,811,772	\$2,181,647	\$1,635,198	\$1,245,814	\$998,160	\$872,793	\$786,805	\$716,643	\$636,134	
10	FY 2014 Recon	(\$23,197)												
11	Actual Res-H Revenue	\$117,138	\$389,555	\$511,967	\$633,091	\$548,872	\$391,154	\$249,078	\$126,516	\$87,042	\$71,116	\$81,340	\$113,344	
12	Ending Res-H Balance Under/(Over) Recovery	\$3,701,449	\$3,315,758	\$2,807,879	\$2,178,681	\$1,632,775	\$1,244,044	\$996,736	\$871,644	\$785,751	\$715,689	\$635,303	\$522,790	
13	Average Monthly Balance Under/(Over) Recovery	\$3,771,616	\$3,510,536	\$3,063,863	\$2,495,227	\$1,907,211	\$1,439,621	\$1,121,275	\$934,902	\$829,272	\$751,247	\$675,973	\$579,462	
14	Bk America Rate less 200 Basis Points	1.25%	1.38%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	
15	Interest Applied	\$3,864	\$4,088	\$3,893	\$2,966	\$2,423	\$1,770	\$1,425	\$1,149	\$1,054	\$954	\$831	\$736	
16	ISR Res-H Recon End Balance Under/(Over) Recovery	\$3,705,313	\$3,319,847	\$2,811,772	\$2,181,647	\$1,635,198	\$1,245,814	\$998,160	\$872,793	\$786,805	\$716,643	\$636,134	\$523,526	
17	ISR Small C&I Act Beg. Balance Under/(Over) Recovery	\$491,741	\$474,188	\$432,996	\$376,024	\$299,296	\$233,634	\$190,781	\$166,963	\$154,742	\$146,392	\$138,554	\$130,155	
18	FY 2014 Recon	(\$6,894)												
19	Actual Small C&I Revenue	\$11,154	\$41,720	\$57,485	\$77,129	\$66,000	\$43,114	\$24,045	\$12,419	\$8,541	\$8,019	\$8,564	\$12,503	
20	Ending Small C&I Balance Under/(Over) Recovery	\$473,693	\$432,468	\$375,510	\$298,895	\$233,296	\$190,520	\$166,736	\$154,544	\$146,201	\$138,374	\$129,990	\$117,652	
21	Average Monthly Balance Under/(Over) Recovery	\$482,717	\$453,328	\$404,253	\$337,459	\$266,296	\$212,077	\$178,759	\$160,754	\$150,471	\$142,383	\$134,272	\$123,903	
22	Bk America Rate less 200 Basis Points	1.25%	1.38%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	
23	Interest Applied	\$495	\$528	\$514	\$401	\$338	\$261	\$227	\$198	\$191	\$181	\$165	\$157	
24	ISR Small C&I Recon End Balance Under/(Over) Recovery	\$474,188	\$432,996	\$376,024	\$299,296	\$233,634	\$190,781	\$166,963	\$154,742	\$146,392	\$138,554	\$130,155	\$117,809	
25	ISR Medium Act Beg. Balance Under/(Over) Recovery	\$816,134	\$773,103	\$702,044	\$612,005	\$497,074	\$399,514	\$328,245	\$278,449	\$251,809	\$231,952	\$209,439	\$186,627	
26	FY 2014 Recon	(\$16,649)												
27	Actual Medium Revenue	\$27,196	\$71,918	\$90,873	\$115,589	\$98,129	\$71,717	\$50,180	\$26,966	\$20,164	\$22,793	\$23,056	\$31,538	
28	Ending Medium Balance Under/(Over) Recovery	\$772,289	\$701,185	\$611,170	\$496,416	\$398,945	\$327,797	\$278,064	\$251,483	\$231,645	\$209,159	\$186,384	\$155,089	
29	Average Monthly Balance Under/(Over) Recovery	\$794,212	\$737,144	\$656,607	\$554,210	\$448,010	\$363,656	\$303,154	\$264,966	\$241,727	\$220,556	\$197,912	\$170,858	
30	Bk America Rate less 200 Basis Points	1.25%	1.38%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	
31	Interest Applied	\$814	\$858	\$834	\$659	\$569	\$447	\$385	\$326	\$307	\$280	\$243	\$217	
32	ISR Medium Recon End Balance Under/(Over) Recovery	\$773,103	\$702,044	\$612,005	\$497,074	\$399,514	\$328,245	\$278,449	\$251,809	\$231,952	\$209,439	\$186,627	\$155,306	

**National Grid - RI Gas
ISR Reconciliation for FY 15**

Line No.	Nov-15 Actual (a)	Dec-15 Actual (b)	Jan-16 Actual (c)	Feb-16 Actual (d)	Mar-16 Actual (e)	Apr-16 Actual (f)	May-16 Actual (g)	Jun-16 Actual (h)	Jul-16 Actual (i)	Aug-16 Forecast (j)	Sep-16 Forecast (k)	Oct-16 Forecast (l)	Total
33													
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Approved Amount to be Recovered¹
Under/(Over) Recovery

\$6,117,283
\$937,497

¹Docket 4573, SLN-8C, Page 1 of 2

**National Grid - RI Gas
Non-Base Rate / Gas Year Reconciling Components**

October 31, 2015 Ending Deferred Balances

Line No.	Description	Forecast ¹	Actual	Variance
		(a)	(b)	(c) = (b) - (a)
1	System Pressure	\$418,587	\$427,955	\$9,368
2	Advanced Gas Technology	\$85,955	\$79,712	(\$6,244)
3	Environmental - DAC	(\$40,282)	(\$37,639)	\$2,643
4	Previous Reconciliation Factor - Applicable to All	(\$195,082)	(\$185,954)	\$9,128
5	Previous Reconciliation Factor - Large & Extra Large	\$16,556	\$17,206	\$650
6	On-System Margin Credits	\$27,780	\$28,500	\$720
7	Pension	(\$31,731)	(\$34,853)	(\$3,123)
8	PBOP	\$134,593	\$125,224	(\$9,368)
9	RDM			
10	RDA Reconciliation	\$359,338	\$265,059	(\$94,279)
11	RDM Recon Reconciliation	<u>\$25,142</u>	<u>\$17,310</u>	<u>(\$7,832)</u>
12		\$384,480	\$282,369	(\$102,111)
13	ISR Recon			
14	Residential Non-Heating	\$11,806	\$13,330	\$1,524
15	Residential Heating	(\$23,197)	(\$17,258)	\$5,939
16	Small C&I	(\$6,894)	(\$6,316)	\$578
17	Medium C&I	(\$16,649)	(\$15,500)	\$1,149
18	Large Low Load C&I	(\$1,540)	\$700	\$2,239
19	Large High Load C&I	\$842	(\$653)	(\$1,495)
20	Extra Large Low Load C&I	\$1,362	\$1,509	\$147
21	Extra Large High Load C&I	<u>\$1,080</u>	<u>(\$54)</u>	<u>(\$1,133)</u>
22		(\$33,190)	(\$24,243)	\$8,947
23	Total	<u>\$767,667</u>	<u>\$678,278</u>	<u>(\$89,389)</u>

¹Docket 4573, SLN-10S, Pages 2-3, 5-7 filed on September 1, 2015.

- 2 See SLN-11, Page 1, Line 13
- 3 See SLN-11, Page 1, Line 24
- 4 See SLN-11, Page 2, Line 36
- 5 See SLN-11, Page 2, Line 48
- 6 See SLN-11, Page 2, Line 60
- 7 See SLN-11, Page 3, Line 72
- 8 See SLN-11, Page 3, Line 84
- 9 See SLN-11, Page 4, Lines 9 and 28
- 13 See SLN-11, Pages 5-8, Lines 2, 14, 26, 38, 50, 62, 74, 86
- 23 Net owed to Company, sum[Lines(1:8)] + Line 12 + Line 22

**THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC DOCKET NO. 4634
SUPPLEMENTAL DISTRIBUTION ADJUSTMENT CHARGE FILING
WITNESS: SUHILA NOURI NUTILE**

Schedule SLN-11
Reconciliations for FY 16

**National Grid - RI Gas
Non-Base Rate / Gas Year Reconciling Components (April 2015 - March 2016)**

Line No.	Description	Apr-15		May-15		Jun-15		Jul-15		Aug-15		Sep-15		Oct-15		Nov-15		Dec-15		Jan-16		Feb-16		Mar-16	
		Actual	(a)	Actual	(b)	Actual	(c)	Actual	(d)	Actual	(e)	Actual	(f)	Actual	(g)	Actual	(h)	Actual	(i)	Actual	(j)	Actual	(k)	Actual	(l)
1	System Pressure Recon Adjust.																								
2	System Pressure Acct Beg. Balance Under/(Over) Recovery	\$134,864		\$52,546		\$60,591		\$131,100		\$205,410		\$281,864		\$357,702		\$0		\$41,158		\$20,572		(\$35,598)		\$91,054	
3	Actual Costs	\$206,066		\$124,066		\$124,066		\$124,066		\$124,066		\$124,066		\$124,066		\$135,874		\$124,161		\$124,161		\$355,869		\$126,032	
4	Ending Balance Under/(Over) Recovery	\$206,480		\$116,081		\$53,655		\$99,934		\$47,870		\$48,556		\$54,230		\$94,737		\$144,784		\$180,321		\$229,250		\$193,264	
5	Average Monthly Balance Under/(Over) Recovery	\$52,450		\$60,531		\$131,001		\$205,231		\$281,606		\$357,374		\$427,538		\$41,021		\$20,536		\$7,508		\$91,021		\$23,822	
6	Bk America Rate less 200 Basis Points	\$93,657		\$56,538		\$95,796		\$168,166		\$243,508		\$319,619		\$392,620		\$20,569		\$30,847		(\$7,508)		\$27,712		\$57,438	
7	Interest Applied	1.25%		1.25%		1.25%		1.25%		1.25%		1.25%		1.25%		1.25%		1.38%		1.50%		1.50%		1.50%	
8	Sys Pressure End Balance Under/(Over) Recovery	\$52,546		\$60,591		\$131,100		\$205,410		\$281,864		\$357,702		\$427,955		\$41,158		\$20,572		(\$35,598)		\$91,054		\$23,895	
9	AGT Acct Beg. Balance Under/(Over) Recovery																								
10	Advanced Gas Technology																								
11	Transfer to 2015-2016 Recon Factor	(\$304,423)		(\$167,012)		(\$89,761)		(\$54,065)		(\$20,815)		\$11,093		\$43,492		\$79,712		\$32,427		\$32,464		\$32,506		\$32,544	
12	AGT DAC True-up	\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$6,244		\$0		\$0		\$0		\$0	
13	Subtotal	(\$137,653)		(\$77,387)		(\$35,770)		(\$33,289)		(\$31,914)		(\$32,371)		(\$36,154)		(\$32,410)		\$0		\$0		\$0		\$0	
14	Ending AGT Balance Under/(Over) Recovery	(\$166,770)		(\$89,625)		(\$53,991)		(\$20,776)		\$11,099		\$43,464		\$79,646		\$32,410		\$32,427		\$32,464		\$32,506		\$32,544	
15	Average Monthly Balance Under/(Over) Recovery	(\$235,596)		(\$128,318)		(\$71,876)		(\$37,420)		(\$4,858)		\$27,279		\$61,569		\$16,205		\$32,427		\$32,464		\$32,506		\$32,544	
16	Bk America Rate less 200 Basis Points	1.25%		1.25%		1.25%		1.25%		1.25%		1.25%		1.25%		1.25%		1.38%		1.50%		1.50%		1.50%	
17	Interest Applied	(\$242)		(\$136)		(\$74)		(\$40)		(\$5)		\$28		\$65		\$17		\$38		\$41		\$39		\$41	
18	AGT End Balance Under/(Over) Recovery	(\$167,012)		(\$89,761)		(\$54,065)		(\$20,815)		\$11,093		\$43,492		\$79,712		\$32,427		\$32,464		\$32,506		\$32,544		\$32,586	
19	Environmental Recon. Adjust - DAC																								
20	Environmental Acct Beg. Balance Under/(Over) Recovery	\$124,908		\$66,768		\$34,081		\$18,974		\$4,904		(\$8,600)		(\$22,311)		(\$37,639)		\$490,472		\$440,144		\$377,307		\$297,160	
21	Transfer to 2015-2016 Recon Factor	\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	
22	Environmental DAC True-up	\$0		\$0		\$0		\$0		\$0		\$0		\$0		(\$2,643)		\$0		\$0		\$0		\$0	
23	Subtotal	\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$519,872		\$0		\$0		\$0		\$0	
24	Ending Environmental Revenue	\$58,238		\$32,741		\$15,134		\$14,083		\$13,502		\$13,695		\$15,296		\$29,917		\$50,870		\$63,356		\$80,547		\$67,904	
25	Average Monthly Balance Under/(Over) Recovery	\$66,670		\$34,027		\$18,947		\$4,891		(\$8,598)		(\$22,295)		(\$37,607)		\$489,955		\$439,602		\$376,788		\$296,760		\$229,256	
26	Bk America Rate less 200 Basis Points	\$95,789		\$50,398		\$26,514		\$11,932		(\$1,847)		(\$15,448)		(\$29,959)		\$504,914		\$465,037		\$408,466		\$337,033		\$263,208	
27	Interest Applied	1.25%		1.25%		1.25%		1.25%		1.25%		1.25%		1.25%		1.25%		1.38%		1.50%		1.50%		1.50%	
28	Environmental Recon End Balance Under/(Over) Recovery	\$98		\$54		\$27		\$13		(\$2)		(\$16)		(\$32)		\$517		\$542		\$519		\$401		\$334	
29	AGT End Balance Under/(Over) Recovery	\$66,768		\$34,081		\$18,974		\$4,904		(\$8,600)		(\$22,311)		(\$37,639)		\$490,472		\$440,144		\$377,307		\$297,160		\$229,591	

12 Docket 4573, SLN-10S, Page 1, Ln 2
13 SLN-10, Page 8, Ln 2
14 Col (b): Sum Lines (1:1:3)
23 Docket 4573, SLN-10S, Page 1, Ln 3
24 SLN-10, Page 8, Ln 3
25 Col (b) per Docket 4573, SLN-IS, Pg 1, Ln 4
26 Col (b): Sum Lines(22:25)

National Grid - RI Gas
Non-Base Rate / Gas Year Reconciling Components (April 2015 - March 2016)

	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16
	30	31	30	31	31	30	31	30	31	31	29	31
	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
33 Reconciliation Factor (Applicable to all) - DAC												
34 Recon Factor Acct Beg. Balance Under/(Over) Recovery	\$375,979	\$175,077	\$62,098	\$9,855	(\$38,813)	(\$85,521)	(\$132,944)	(\$185,954)	\$292,268	\$261,285	\$222,605	\$173,273
35 Transfer to 2015-2016 Recon Factor	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$195,082	\$0	\$0	\$0	\$0
36 Reconciliation (All) DAC True-up	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$9,128)	\$0	\$0	\$0	\$0
37 Reconciliation (All) Factor Balance Under/(Over) Recovery	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$349,281	\$0	\$0	\$0	\$0
38 Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$349,281	\$0	\$0	\$0	\$0
39 Actual Recon Revenue	\$201,185	\$113,105	\$52,280	\$48,653	\$46,642	\$47,311	\$52,840	\$57,341	\$31,305	\$38,988	\$49,567	\$41,786
40 Ending Recon Balance Under/(Over) Recovery	\$174,794	\$61,972	\$9,818	(\$38,798)	(\$85,455)	(\$132,832)	(\$185,784)	\$291,940	\$260,963	\$222,297	\$173,038	\$131,487
41 Average Monthly Balance Under/(Over) Recovery	\$275,387	\$118,525	\$35,958	(\$14,471)	(\$62,134)	(\$109,177)	(\$159,364)	\$320,610	\$276,616	\$241,791	\$197,821	\$152,380
42 Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%
43 Interest Applied	\$283	\$126	\$37	(\$15)	(\$66)	(\$112)	(\$169)	\$328	\$322	\$307	\$235	\$194
44 Reconciliation End Balance Under/(Over) Recovery	\$175,077	\$62,098	\$9,855	(\$38,813)	(\$85,521)	(\$132,944)	(\$185,954)	\$292,268	\$261,285	\$222,605	\$173,273	\$131,680
45 Reconciliation Factor (L & XL) - DAC												
46 Recon Factor Acct Beg. Balance Under/(Over) Recovery	(\$51,408)	(\$33,025)	(\$22,085)	(\$15,024)	(\$7,337)	\$828	\$9,134	\$17,206	(\$166,194)	(\$149,541)	(\$131,393)	(\$107,156)
47 Transfer to 2015-2016 Recon Factor	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$16,556)	\$0	\$0	\$0	\$0
48 Reconciliation (L & XL) DAC True-up	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$650)	\$0	\$0	\$0	\$0
49 Reconciliation (L & XL) Factor Balance Under/(Over) Recovery	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$179,629)	\$0	\$0	\$0	\$0
50 Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$179,629)	\$0	\$0	\$0	\$0
51 Actual Recon Revenue (L & XL)	(\$18,426)	(\$10,969)	(\$7,080)	(\$7,699)	(\$8,169)	(\$8,301)	(\$8,058)	(\$13,612)	(\$16,836)	(\$18,327)	(\$24,378)	(\$19,386)
52 Ending Recon Balance Under/(Over) Recovery	(\$32,982)	(\$22,056)	(\$15,005)	(\$7,325)	\$832	\$9,129	\$17,192	(\$166,017)	(\$149,358)	(\$131,214)	(\$107,015)	(\$87,770)
53 Average Monthly Balance Under/(Over) Recovery	(\$42,195)	(\$27,541)	(\$18,545)	(\$11,175)	(\$3,253)	\$4,979	\$13,163	(\$172,823)	(\$157,776)	(\$140,378)	(\$119,204)	(\$97,463)
54 Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%
55 Interest Applied	(\$43)	(\$29)	(\$19)	(\$12)	(\$3)	\$5	\$14	(\$177)	(\$184)	(\$178)	(\$142)	(\$124)
56 Reconciliation End Balance Under/(Over) Recovery	(\$33,025)	(\$22,085)	(\$15,024)	(\$7,337)	\$828	\$9,134	\$17,206	(\$166,194)	(\$149,541)	(\$131,393)	(\$107,156)	(\$87,894)
57 On-system Credits Recon. Adjust. - DAC												
58 On-system Credit Acct Beg. Balance Under/(Over) Recovery	\$72,548	\$56,732	\$47,857	\$43,777	\$39,981	\$36,339	\$32,640	\$28,500	\$125,839	\$114,239	\$99,754	\$81,275
59 Transfer to 2015-2016 Recon Factor	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$27,780)	\$0	\$0	\$0	\$0
60 On-system DAC True-up	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$720)	\$0	\$0	\$0	\$0
61 On-system Credit Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$133,185	\$0	\$0	\$0	\$0
62 Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$133,185	\$0	\$0	\$0	\$0
63 Actual On-system Revenue	\$15,883	\$8,930	\$4,127	\$3,841	\$3,682	\$3,735	\$4,172	\$7,479	\$11,739	\$14,621	\$18,587	\$15,670
64 Ending On-system Balance Under/(Over) Recovery	\$56,665	\$47,802	\$43,730	\$39,936	\$36,299	\$32,604	\$28,468	\$25,706	\$114,100	\$99,618	\$81,167	\$65,605
65 Average Monthly Balance Under/(Over) Recovery	\$64,607	\$52,267	\$45,794	\$41,857	\$38,140	\$34,472	\$30,554	\$129,445	\$119,969	\$106,929	\$90,461	\$73,440
66 Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%
67 Interest Applied	\$66	\$55	\$47	\$44	\$40	\$35	\$32	\$133	\$140	\$136	\$108	\$93
68 On-system Credit End Balance Under/(Over) Recovery	\$56,732	\$47,857	\$43,777	\$39,981	\$36,339	\$32,640	\$28,500	\$25,839	\$114,239	\$99,754	\$81,275	\$65,698

35 Docket 4573, SLN-10S, Page 1, Ln 7
36 SLN-10, Page 8, Ln 4
37 Col (h) per Docket 4573, SLN-10S, Pg 1, Ln 11
38 Col (h): Sum Lines(34,37)
47 Docket 4573, SLN-10S, Page 1, Ln 24
48 SLN-10, Page 8, Ln 5
49 Col (h) per Docket 4573, SLN-10S, Pg 1, Ln 25
50 Col (h): Sum Lines(46,49)
59 Docket 4573, SLN-10S, Page 1, Ln 4
60 SLN-10, Page 8, Ln 6
61 Col (h) per Docket 4573, SLN-1S, Pg 1, Ln 6
62 Col (h): Sum Lines(58,61)

National Grid - RI Gas
Non-Base Rate / Gas Year Reconciling Components (April 2015 - March 2016)

	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16
	30	31	30	31	31	30	31	30	31	31	29	31
	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
Pension Adjustment												
69 Pen Acct Beg. Balance Under/(Over) Recovery	(\$226,374)	(\$157,745)	(\$119,197)	(\$101,426)	(\$84,881)	(\$69,006)	(\$52,884)	(\$34,853)	(\$1,377,864)	(\$1,242,431)	(\$1,073,327)	(\$857,617)
70 Transfer to 2015-2016 Recon Factor	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
71 Pension DAC True-up	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
72 Pension Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
73 Subtotal	(\$68,827)	(\$38,694)	(\$17,885)	(\$16,644)	(\$15,956)	(\$16,185)	(\$18,077)	(\$14,362,57)	(\$136,958)	(\$170,574)	(\$216,857)	(\$182,818)
74 Actual Pension Revenue	(\$157,547)	(\$119,051)	(\$101,312)	(\$84,782)	(\$68,925)	(\$52,821)	(\$34,807)	(\$1,376,423)	(\$1,240,906)	(\$1,071,857)	(\$856,470)	(\$674,799)
75 Ending Pension Balance Under/(Over) Recovery	(\$191,961)	(\$138,398)	(\$110,255)	(\$93,104)	(\$76,903)	(\$60,914)	(\$43,845)	(\$1,406,340)	(\$1,309,385)	(\$1,157,144)	(\$964,899)	(\$766,208)
76 Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%
77 Interest Applied	(\$197)	(\$147)	(\$113)	(\$99)	(\$82)	(\$63)	(\$47)	(\$1,441)	(\$1,325)	(\$1,470)	(\$1,147)	(\$973)
78 Pension Adjustment End Balance Under/(Over) Recovery	(\$157,745)	(\$119,197)	(\$101,426)	(\$84,881)	(\$69,006)	(\$52,884)	(\$34,853)	(\$1,377,864)	(\$1,242,431)	(\$1,073,327)	(\$857,617)	(\$675,772)
PBOP Adjustment												
81 PBOP Acct Beg. Balance Under/(Over) Recovery	(\$451,018)	(\$244,895)	(\$129,012)	(\$75,462)	(\$25,582)	\$22,286	\$70,890	\$125,224	(\$2,237,441)	(\$2,009,040)	(\$1,723,871)	(\$1,360,143)
82 Transfer to 2015-2016 Recon Factor	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
83 PBOP DAC True-up	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
84 PBOP Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
85 Subtotal	(\$206,480)	(\$116,081)	(\$53,655)	(\$49,934)	(\$47,870)	(\$48,556)	(\$54,230)	(\$122,161)	(\$230,872)	(\$287,539)	(\$365,559)	(\$308,178)
86 Actual PBOP Revenue	(\$244,538)	(\$128,814)	(\$75,357)	(\$25,528)	\$22,288	\$70,842	\$125,120	(\$2,335,088)	(\$2,006,569)	(\$1,721,501)	(\$1,358,312)	(\$1,051,965)
87 Ending PBOP Balance Under/(Over) Recovery	(\$347,778)	(\$186,854)	(\$102,185)	(\$50,495)	(\$1,647)	\$46,564	\$98,005	(\$2,296,168)	(\$2,122,005)	(\$1,865,270)	(\$1,541,091)	(\$1,206,054)
88 Bk America Rate less 200 Basis Points	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%
89 Interest Applied	(\$357)	(\$198)	(\$105)	(\$54)	(\$2)	\$48	\$104	(\$2,353)	(\$2,471)	(\$2,370)	(\$1,832)	(\$1,532)
90 PBOP Adjustment End Balance Under/(Over) Recovery	(\$244,895)	(\$129,012)	(\$75,462)	(\$25,582)	\$22,286	\$70,890	\$125,224	(\$2,237,441)	(\$2,009,040)	(\$1,723,871)	(\$1,360,143)	(\$1,053,498)
Earnings Sharing Mechanism												
93 ESM Acct Beg. Balance Under/(Over) Recovery												
94 Actual ESM Revenue												
95 Ending ESM Balance Under/(Over) Recovery												
96 Average Monthly Balance Under/(Over) Recovery												
97 Bk America Rate less 200 Basis Points												
98 Interest Applied												
99 ESM Adjustment End Balance Under/(Over) Recovery												
100												

71 Docket 4573, SLN-10S, Page 1, Ln 5
72 SLN-10, Page 8, Ln 7
73 Col (h) per Docket 4573, SLN-SS Revised, Pg 1, Ln 3
74 Col (h) per Docket 4573, SLN-SS Revised, Pg 1, Ln 6
75 Docket 4573, SLN-10S, Page 1, Ln 6
76 SLN-10, Page 8, Ln 8
77 Col (h) per Docket 4573, SLN-SS Revised, Pg 1, Ln 9
78 Col (h) per Docket 4573, SLN-SS Revised, Pg 1, Ln 9
79 Col (h) per Docket 4573, SLN-SS Revised, Pg 1, Ln 9

National Grid - RI Gas
ISR Reconciliation (April 2015 - March 2016)

Line No.	Apr-15 30 Actual (a)	May-15 31 Actual (b)	Jun-15 30 Actual (c)	Jul-15 31 Actual (d)	Aug-15 31 Actual (e)	Sep-15 30 Actual (f)	Oct-15 31 Actual (g)	Nov-15 30 Actual (h)	Dec-15 31 Actual (i)	Jan-16 31 Actual (j)	Feb-16 29 Actual (k)	Mar-16 31 Actual (l)
1	\$37,271	\$29,279	\$23,911	\$21,328	\$19,214	\$17,355	\$15,504	\$13,330	\$237,052	\$215,710	\$188,462	\$156,285
2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$1,524)	\$0	\$0	\$0	\$0
3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,806	\$0	\$0	\$0	\$0
4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$231,893	\$0	\$0	\$0	\$0
5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,705	\$0	\$0	\$0	\$0
6	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$233,598	\$0	\$0	\$0	\$0
7	\$8,026	\$5,396	\$2,607	\$2,135	\$1,879	\$1,867	\$2,190	\$8,593	\$21,605	\$27,505	\$32,382	\$24,437
8	\$29,245	\$23,883	\$21,305	\$19,193	\$17,335	\$15,488	\$13,315	\$236,811	\$215,447	\$188,205	\$156,080	\$131,848
9	\$33,258	\$26,581	\$22,608	\$20,260	\$18,275	\$16,421	\$14,410	\$235,205	\$226,249	\$201,958	\$172,271	\$144,066
10	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%
11	\$34	\$28	\$23	\$22	\$19	\$17	\$15	\$241	\$263	\$257	\$205	\$183
12	\$29,279	\$23,911	\$21,328	\$19,214	\$17,355	\$15,504	\$13,330	\$237,052	\$215,710	\$188,462	\$156,285	\$132,031
13	\$167,940	\$90,618	\$48,381	\$32,383	\$19,370	\$8,324	(\$2,812)	(\$17,258)	\$3,705,313	\$3,319,847	\$2,811,772	\$2,181,647
14	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$5,939)	\$0	\$0	\$0	\$0
15	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$23,197)	\$0	\$0	\$0	\$0
16	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,813,746	\$0	\$0	\$0	\$0
17	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$28,038	\$0	\$0	\$0	\$0
18	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,841,784	\$0	\$0	\$0	\$0
19	\$77,454	\$42,311	\$16,040	\$13,040	\$11,061	\$11,139	\$14,436	\$117,138	\$389,555	\$511,967	\$633,091	\$548,872
20	\$90,486	\$48,308	\$32,341	\$19,343	\$8,310	(\$2,815)	(\$17,248)	\$3,701,449	\$3,315,758	\$2,807,879	\$2,178,681	\$1,652,775
21	\$129,213	\$69,463	\$40,361	\$25,863	\$13,840	\$2,755	(\$10,030)	\$3,771,616	\$3,510,536	\$3,063,863	\$2,495,227	\$1,907,211
22	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%
23	\$133	\$74	\$41	\$27	\$15	\$3	(\$11)	\$3,864	\$4,088	\$3,893	\$2,966	\$2,423
24	\$90,618	\$48,381	\$32,383	\$19,370	\$8,324	(\$2,812)	(\$17,258)	\$3,705,313	\$3,319,847	\$2,811,772	\$2,181,647	\$1,655,198

- 2 SLN-10, Pg 8, Line 14
- 3 DKt 4573, SLN-8C, Pg 1, Line 10, Col (g)
- 4 DKt 4573, SLN-8C, Pg 1, Line 10, Col (f)
- 5 Apr15-Oct15 @ BOA Rate less 200 Basis Points
- 6 Line 4 + Line 5
- 14 SLN-10, Pg 8, Line 15
- 15 DKt 4573, SLN-8C, Pg 1, Line 11, Col (g)
- 16 DKt 4573, SLN-8C, Pg 1, Line 11, Col (f)
- 17 Apr15-Oct15 @ BOA Rate less 200 Basis Points
- 18 Line 16 + Line 17

National Grid - RI Gas
ISR Reconciliation (April 2015 - March 2016)

Line No.	Apr-15 30 Actual (a)	May-15 31 Actual (b)	Jun-15 30 Actual (c)	Jul-15 31 Actual (d)	Aug-15 31 Actual (e)	Sep-15 30 Actual (f)	Oct-15 31 Actual (g)	Nov-15 30 Actual (h)	Dec-15 31 Actual (i)	Jan-16 31 Actual (j)	Feb-16 29 Actual (k)	Mar-16 31 Actual (l)
25												
26	\$16,438	\$5,890	\$984	(\$743)	(\$2,164)	(\$3,452)	(\$4,745)	(\$6,316)	\$474,188	\$432,996	\$376,024	\$299,296
27	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$578)	\$0	\$0	\$0	\$0
28	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$6,894)	\$0	\$0	\$0	\$0
29	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$488,152	\$0	\$0	\$0	\$0
30	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,589	\$0	\$0	\$0	\$0
31	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$491,741	\$0	\$0	\$0	\$0
32	\$10,559	\$4,910	\$1,727	\$1,419	\$1,286	\$1,288	\$1,565	\$1,154	\$41,720	\$57,485	\$77,129	\$66,000
33	\$5,879	\$980	(\$743)	(\$2,162)	(\$3,449)	(\$4,741)	(\$6,310)	\$473,693	\$432,468	\$375,510	\$298,895	\$233,296
34	\$11,158	\$3,435	\$120	(\$1,453)	(\$2,807)	(\$4,096)	(\$5,528)	\$482,717	\$453,328	\$404,253	\$337,459	\$266,296
35	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%
36	\$11	\$4	\$0	(\$2)	(\$3)	(\$4)	(\$6)	\$495	\$528	\$514	\$401	\$338
37	\$5,890	\$984	(\$743)	(\$2,164)	(\$3,452)	(\$4,745)	(\$6,316)	\$474,188	\$432,996	\$376,024	\$299,296	\$233,634
38	\$33,633	\$15,666	\$5,061	\$539	(\$3,423)	(\$7,069)	(\$10,835)	(\$15,500)	\$773,103	\$702,044	\$612,005	\$497,074
39	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$1,149)	\$0	\$0	\$0	\$0
40	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$16,649)	\$0	\$0	\$0	\$0
41	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$810,178	\$0	\$0	\$0	\$0
42	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,956	\$0	\$0	\$0	\$0
43	\$17,992	\$10,616	\$4,525	\$3,960	\$3,641	\$3,757	\$4,651	\$816,134	\$71,918	\$90,873	\$115,589	\$98,129
44	\$15,640	\$5,050	\$536	(\$3,421)	(\$7,063)	(\$10,826)	(\$15,486)	\$772,289	\$701,185	\$611,170	\$496,416	\$398,945
45	\$24,637	\$10,358	\$2,799	(\$1,441)	(\$5,243)	(\$8,948)	(\$13,161)	\$794,212	\$737,144	\$656,607	\$554,210	\$448,010
46	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.38%	1.50%	1.50%	1.50%
47	\$25	\$11	\$3	(\$2)	(\$6)	(\$9)	(\$14)	\$814	\$858	\$834	\$659	\$569
48	\$15,666	\$5,061	\$539	(\$3,423)	(\$7,069)	(\$10,835)	(\$15,500)	\$773,103	\$702,044	\$612,005	\$497,074	\$399,514

26 SLN-10, Pg 8, Line 16
27 Dkt 4573, SLN-8C, Pg 1, Line 12, Col (g)
28 Dkt 4573, SLN-8C, Pg 1, Line 12, Col (f)
29 April 5-Oct 15 @ BOA Rate less 200 Basis Points
30 Line 28 + Line 29
38 SLN-10, Pg 8, Line 17
39 Dkt 4573, SLN-8C, Pg 1, Line 13, Col (g)
40 Dkt 4573, SLN-8C, Pg 1, Line 13, Col (f)
41 April 5-Oct 15 @ BOA Rate less 200 Basis Points
42 Line 40 + Line 41

**National Grid - RI Gas
ISR Reconciliation (April 2015 - March 2016)**

Line No.	Apr-15 30 Actual (a)	May-15 31 Actual (b)	Jun-15 30 Actual (c)	Jul-15 31 Actual (d)	Aug-15 31 Actual (e)	Sep-15 30 Actual (f)	Oct-15 31 Actual (g)	Nov-15 30 Actual (h)	Dec-15 31 Actual (i)	Jan-16 31 Actual (j)	Feb-16 29 Actual (k)	Mar-16 31 Actual (l)
49	ISR Large LL Acct Beg. Balance Under/(Over) Recovery											
50	\$14,886	\$7,747	\$4,708	\$4,350	\$3,587	\$2,553	\$1,807	\$700	\$358,982	\$320,539	\$273,781	\$205,794
51	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$2,239)	\$0	\$0	\$0	\$0
52	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$1,540)	\$0	\$0	\$0	\$0
53	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$371,879	\$0	\$0	\$0	\$0
54	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,734	\$0	\$0	\$0	\$0
55	\$7,150	\$3,046	\$363	\$767	\$1,037	\$748	\$1,108	\$374,613	\$0	\$0	\$0	\$0
56	\$7,736	\$4,701	\$4,345	\$3,583	\$2,550	\$1,805	\$699	\$14,467	\$38,838	\$47,135	\$68,272	\$53,885
57	\$11,311	\$6,224	\$4,527	\$3,966	\$3,068	\$2,179	\$1,253	\$358,606	\$320,144	\$273,404	\$205,509	\$151,909
58	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	\$366,609	\$339,563	\$296,972	\$239,645	\$178,851
59	\$12	\$7	\$5	\$4	\$3	\$2	\$1	\$376	\$395	\$377	\$285	\$227
60	\$7,747	\$4,708	\$4,350	\$3,587	\$2,553	\$1,807	\$700	\$358,982	\$320,539	\$273,781	\$205,794	\$152,136
61	ISR Large HL Acct Beg. Balance Under/(Over) Recovery											
62	\$9,592	\$7,294	\$5,603	\$4,201	\$3,014	\$1,833	\$714	(\$653)	\$143,402	\$133,400	\$120,435	\$103,220
63	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,495	\$0	\$0	\$0	\$0
64	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$842	\$0	\$0	\$0	\$0
65	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$147,897	\$0	\$0	\$0	\$0
66	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,087	\$0	\$0	\$0	\$0
67	\$2,307	\$1,698	\$1,407	\$1,191	\$1,183	\$1,121	\$1,367	\$148,985	\$0	\$0	\$0	\$0
68	\$7,286	\$5,597	\$4,196	\$3,010	\$1,831	\$713	(\$653)	\$6,575	\$10,163	\$13,126	\$17,348	\$13,317
69	\$8,439	\$6,445	\$4,900	\$3,606	\$2,423	\$1,273	\$31	\$143,253	\$133,239	\$120,274	\$103,087	\$89,902
70	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	\$146,119	\$138,321	\$126,837	\$111,761	\$96,561
71	\$9	\$7	\$5	\$4	\$3	\$1	\$0	\$150	\$161	\$161	\$133	\$123
72	\$7,294	\$5,603	\$4,201	\$3,014	\$1,833	\$714	(\$653)	\$143,402	\$133,400	\$120,435	\$103,220	\$90,025
50	SLN-10, Pg 8, Line 18											
51	DK4 4573, SLN-8C, Pg 1, Line 14, Col (g)											
52	DK4 4573, SLN-8C, Pg 1, Line 14, Col (f)											
53	Apr15-Oct15 @ BOA Rate less 200 Basis Points											
54	Line 52 + Line 53											
62	SLN-10, Pg 8, Line 19											
63	DK4 4573, SLN-8C, Pg 1, Line 15, Col (g)											
64	DK4 4573, SLN-8C, Pg 1, Line 15, Col (f)											
65	Apr15-Oct15 @ BOA Rate less 200 Basis Points											
66	Line 64 + Line 65											

**THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC DOCKET NO. 4634
SUPPLEMENTAL DISTRIBUTION ADJUSTMENT CHARGE FILING
WITNESS: SUHILA NOURI NUTILE**

Schedule SLN-12S
Earnings Sharing Factor

**National Grid - RI Gas
ESM Factor
Effective November 1, 2016**

Line No.	Description	
1	Total Earnings Credited to DAC	\$0
2	Firm Throughput	39,347,340 dth
3	ESM Factor	\$0.0000 per dth
4	ESM Factor	\$0.0000 per therm

1 Earnings Sharing Report for the twelve months ending March 31, 2016 in Docket 4323 filed on August 29, 2016.

2 Company Forecast

3 Line (1) / Line (2)

4 Line (3) / 10, truncated to 4 decimal places

**THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC DOCKET NO. 4634
SUPPLEMENTAL DISTRIBUTION ADJUSTMENT CHARGE FILING
WITNESS: SUHILA NOURI NUTILE**

Schedule SLN-13
Bill Impacts

National Grid - RI Gas
Supplemental Distribution Adjustment Charge (DAC) Filing
Bill Impact Analysis with Various Levels of Consumption

Line No.

Residential Heating:

(1) (2) (3) (4)	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	GCR	Difference due to:				
							Base DAC	DAC	ISR	EE	LIHEAP
(5)	550	\$852.77	\$821.06	\$31.71	3.9%	\$0.00	\$30.76	\$0.00	\$0.00	\$0.00	\$0.95
(6)	608	\$924.32	\$889.29	\$35.03	3.9%	\$0.00	\$33.98	\$0.00	\$0.00	\$0.00	\$1.05
(7)	667	\$996.97	\$958.54	\$38.43	4.0%	\$0.00	\$37.28	\$0.00	\$0.00	\$0.00	\$1.15
(8)	727	\$1,069.86	\$1,027.99	\$41.87	4.1%	\$0.00	\$40.61	\$0.00	\$0.00	\$0.00	\$1.26
(9)	788	\$1,140.85	\$1,095.45	\$45.39	4.1%	\$0.00	\$44.03	\$0.00	\$0.00	\$0.00	\$1.36
(10)	846	\$1,207.04	\$1,158.32	\$48.72	4.2%	\$0.00	\$47.26	\$0.00	\$0.00	\$0.00	\$1.46
(11)	904	\$1,273.37	\$1,221.29	\$52.08	4.3%	\$0.00	\$50.52	\$0.00	\$0.00	\$0.00	\$1.56
(12)	966	\$1,344.06	\$1,288.42	\$55.64	4.3%	\$0.00	\$53.97	\$0.00	\$0.00	\$0.00	\$1.67
(13)	1,023	\$1,408.96	\$1,350.02	\$58.94	4.4%	\$0.00	\$57.17	\$0.00	\$0.00	\$0.00	\$1.77
(14)	1,081	\$1,474.14	\$1,411.87	\$62.27	4.4%	\$0.00	\$60.40	\$0.00	\$0.00	\$0.00	\$1.87
(15)	1,145	\$1,545.11	\$1,479.17	\$65.94	4.5%	\$0.00	\$63.96	\$0.00	\$0.00	\$0.00	\$1.98

Residential Heating Low Income:

(16) (17) (18) (19)	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	GCR	Difference due to:				
							Base DAC	DAC	ISR	EE	LIHEAP
(20)	550	\$810.27	\$778.56	\$31.71	4.1%	\$0.00	\$30.76	\$0.00	\$0.00	\$0.00	\$0.95
(21)	608	\$879.09	\$844.06	\$35.03	4.2%	\$0.00	\$33.98	\$0.00	\$0.00	\$0.00	\$1.05
(22)	667	\$948.97	\$910.53	\$38.43	4.2%	\$0.00	\$37.28	\$0.00	\$0.00	\$0.00	\$1.15
(23)	727	\$1,019.14	\$977.27	\$41.87	4.3%	\$0.00	\$40.61	\$0.00	\$0.00	\$0.00	\$1.26
(24)	788	\$1,087.66	\$1,042.27	\$45.39	4.4%	\$0.00	\$44.03	\$0.00	\$0.00	\$0.00	\$1.36
(25)	846	\$1,151.64	\$1,102.92	\$48.72	4.4%	\$0.00	\$47.26	\$0.00	\$0.00	\$0.00	\$1.46
(26)	904	\$1,215.77	\$1,163.69	\$52.08	4.5%	\$0.00	\$50.52	\$0.00	\$0.00	\$0.00	\$1.56
(27)	966	\$1,284.11	\$1,228.47	\$55.64	4.5%	\$0.00	\$53.97	\$0.00	\$0.00	\$0.00	\$1.67
(28)	1,023	\$1,346.86	\$1,287.92	\$58.94	4.6%	\$0.00	\$57.17	\$0.00	\$0.00	\$0.00	\$1.77
(29)	1,081	\$1,409.93	\$1,347.66	\$62.27	4.6%	\$0.00	\$60.40	\$0.00	\$0.00	\$0.00	\$1.87
(30)	1,145	\$1,478.67	\$1,412.74	\$65.94	4.7%	\$0.00	\$63.96	\$0.00	\$0.00	\$0.00	\$1.98

Residential Non-Heating:

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to:									
						GCR	Base DAC	DAC	ISR	EE	LIHEAP	GET			
(31)															
(32)	140	\$348.20	\$338.07	\$10.13	3.0%	\$0.00	\$9.83	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.30	\$0.30
(33)	155	\$367.30	\$356.05	\$11.25	3.2%	\$0.00	\$10.91	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.34	\$0.34
(34)	171	\$387.71	\$375.31	\$12.40	3.3%	\$0.00	\$12.03	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.37	\$0.37
(35)	184	\$404.27	\$390.89	\$13.38	3.4%	\$0.00	\$12.98	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.40	\$0.40
(36)	198	\$422.05	\$407.70	\$14.35	3.5%	\$0.00	\$13.92	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.43	\$0.43
(37)	214	\$442.04	\$426.53	\$15.51	3.6%	\$0.00	\$15.04	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.47	\$0.47
(38)	228	\$460.30	\$443.75	\$16.55	3.7%	\$0.00	\$16.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.50	\$0.50
(39)	244	\$480.67	\$462.97	\$17.70	3.8%	\$0.00	\$17.17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.53	\$0.53
(40)	258	\$498.52	\$479.81	\$18.71	3.9%	\$0.00	\$18.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.56	\$0.56
(41)	275	\$520.18	\$500.22	\$19.96	4.0%	\$0.00	\$19.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.60	\$0.60
(42)	288	\$536.76	\$515.84	\$20.92	4.1%	\$0.00	\$20.29	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.63	\$0.63

Residential Non-Heating Low Income:

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to:									
						GCR	Base DAC	DAC	ISR	EE	LIHEAP	GET			
(46)															
(47)	140	\$325.78	\$315.65	\$10.13	3.2%	\$0.00	\$9.83	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.30	\$0.30
(48)	155	\$344.20	\$332.96	\$11.25	3.4%	\$0.00	\$10.91	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.34	\$0.34
(49)	171	\$363.89	\$351.49	\$12.40	3.5%	\$0.00	\$12.03	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.37	\$0.37
(50)	184	\$379.86	\$366.48	\$13.38	3.7%	\$0.00	\$12.98	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.40	\$0.40
(51)	198	\$397.01	\$382.66	\$14.35	3.8%	\$0.00	\$13.92	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.43	\$0.43
(52)	214	\$416.29	\$400.78	\$15.51	3.9%	\$0.00	\$15.04	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.47	\$0.47
(53)	228	\$433.90	\$417.35	\$16.55	4.0%	\$0.00	\$16.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.50	\$0.50
(54)	244	\$453.54	\$435.84	\$17.70	4.1%	\$0.00	\$17.17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.53	\$0.53
(55)	258	\$470.77	\$452.05	\$18.71	4.1%	\$0.00	\$18.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.56	\$0.56
(56)	275	\$491.65	\$471.69	\$19.96	4.2%	\$0.00	\$19.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.60	\$0.60
(57)	288	\$507.64	\$486.73	\$20.92	4.3%	\$0.00	\$20.29	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.63	\$0.63

C & I Small:

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to:									
						GCR	Base DAC	DAC	ISR	EE	LIHEAP	GET			
(61)															
(62)															
(63)															
(64)															
(65)	880	\$1,375.48	\$1,315.61	\$59.87	4.6%	\$0.00	\$58.07	\$0.00	\$0.00	\$0.00	\$0.00	\$1.80			
(66)	973	\$1,477.32	\$1,411.16	\$66.16	4.7%	\$0.00	\$64.18	\$0.00	\$0.00	\$0.00	\$0.00	\$1.98			
(67)	1,067	\$1,579.49	\$1,506.92	\$72.57	4.8%	\$0.00	\$70.39	\$0.00	\$0.00	\$0.00	\$0.00	\$2.18			
(68)	1,162	\$1,680.29	\$1,601.28	\$79.01	4.9%	\$0.00	\$76.64	\$0.00	\$0.00	\$0.00	\$0.00	\$2.37			
(69)	1,258	\$1,776.50	\$1,690.92	\$85.59	5.1%	\$0.00	\$83.02	\$0.00	\$0.00	\$0.00	\$0.00	\$2.57			
(70)	1,352	\$1,869.58	\$1,777.63	\$91.95	5.2%	\$0.00	\$89.19	\$0.00	\$0.00	\$0.00	\$0.00	\$2.76			
(71)	1,446	\$1,963.39	\$1,865.08	\$98.31	5.3%	\$0.00	\$95.36	\$0.00	\$0.00	\$0.00	\$0.00	\$2.95			
(72)	1,542	\$2,058.60	\$1,953.72	\$104.89	5.4%	\$0.00	\$101.74	\$0.00	\$0.00	\$0.00	\$0.00	\$3.15			
(73)	1,635	\$2,150.92	\$2,039.71	\$111.22	5.5%	\$0.00	\$107.88	\$0.00	\$0.00	\$0.00	\$0.00	\$3.34			
(74)	1,730	\$2,244.20	\$2,126.53	\$117.67	5.5%	\$0.00	\$114.14	\$0.00	\$0.00	\$0.00	\$0.00	\$3.53			
(75)	1,825	\$2,337.45	\$2,213.34	\$124.10	5.6%	\$0.00	\$120.38	\$0.00	\$0.00	\$0.00	\$0.00	\$3.72			

C & I Medium:

	Annual Consumption (Therms)	Proposed Rates	Current Rates	Difference	% Chg	Difference due to:										
						GCR	Base DAC	DAC	ISR	EE	LIHEAP	GET				
(76)																
(77)																
(78)																
(79)																
(80)	7,941	\$8,637.80	\$8,214.76	\$423.04	5.1%	\$0.00	\$410.35	\$0.00	\$0.00	\$0.00	\$0.00	\$12.69				
(81)	8,796	\$9,473.97	\$9,005.42	\$468.56	5.2%	\$0.00	\$454.50	\$0.00	\$0.00	\$0.00	\$0.00	\$14.06				
(82)	9,650	\$10,308.67	\$9,794.59	\$514.08	5.2%	\$0.00	\$498.66	\$0.00	\$0.00	\$0.00	\$0.00	\$15.42				
(83)	10,505	\$11,144.91	\$10,585.28	\$559.63	5.3%	\$0.00	\$542.84	\$0.00	\$0.00	\$0.00	\$0.00	\$16.79				
(84)	11,361	\$11,981.35	\$11,376.15	\$605.21	5.3%	\$0.00	\$587.05	\$0.00	\$0.00	\$0.00	\$0.00	\$18.16				
(85)	12,217	\$12,818.13	\$12,167.30	\$650.82	5.3%	\$0.00	\$631.30	\$0.00	\$0.00	\$0.00	\$0.00	\$19.52				
(86)	13,073	\$13,654.89	\$12,958.46	\$696.42	5.4%	\$0.00	\$675.53	\$0.00	\$0.00	\$0.00	\$0.00	\$20.89				
(87)	13,928	\$14,490.51	\$13,748.54	\$741.97	5.4%	\$0.00	\$719.71	\$0.00	\$0.00	\$0.00	\$0.00	\$22.26				
(88)	14,782	\$15,325.81	\$14,538.35	\$787.46	5.4%	\$0.00	\$763.84	\$0.00	\$0.00	\$0.00	\$0.00	\$23.62				
(89)	15,637	\$16,161.39	\$15,328.40	\$832.99	5.4%	\$0.00	\$808.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.99				
(90)	16,492	\$16,997.60	\$16,119.06	\$878.54	5.5%	\$0.00	\$852.18	\$0.00	\$0.00	\$0.00	\$0.00	\$26.36				

**Testimony of
William R. Richer**

**THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC DOCKET NO. 4634
SUPPLEMENTAL DISTRIBUTION ADJUSTMENT CHARGE FILING
WILLIAM R. RICHER
SEPTEMBER 1, 2016**

SUPPLEMENTAL DIRECT TESTIMONY

OF

WILLIAM R. RICHER

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III.	Earnings Sharing Mechanism Results	2
IV.	Pension and PBOP Expense Reconciliation.....	5
V.	Conclusion.....	6

1 **I. Introduction and Qualifications**

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

3 A. My name is William R. Richer and my business address is 40 Sylvan Road, Waltham,
4 Massachusetts 02451.

5

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

7 A. Yes. I submitted pre-filed direct testimony on August 1, 2016 in support of The
8 Narragansett Electric Company d/b/a National Grid's (Company) pension and
9 postretirement benefits other than pensions (PBOP) reconciliation.

10

11 **II. Purpose of Testimony**

12 **Q. What is the purpose of your testimony in this proceeding?**

13 A. My testimony supports the following aspects related to the Company's Distribution
14 Adjustment Clause (DAC):

15 (1) Pursuant to the DAC provisions of the Company's gas tariff, RIPUC NG-Gas No.
16 101, under Section 3, Schedule A, if there are any excess earnings to be shared
17 with customers, as I describe in more detail below, then any customer share of
18 those earnings is to flow back to customers through the DAC. My testimony
19 describes the Company's earnings subject to the Company's earnings sharing
20 mechanism (ESM) for the period ending March 31, 2016. As a result of the
21 Company's last general rate case in Docket No. 4323, effective February 1, 2013

1 (2012 Rate Case), the Company's earnings pertaining to the operation of the ESM
2 is to be measured over the Company's fiscal year (FY), which ends on March 31.
3 (2) Revision to the Company's pension and PBOP reconciliation, which was filed on
4 August 1, 2016.
5

6 **Q. Are there any schedules to your supplemental testimony?**

7 A. Yes, I am sponsoring the following revised schedule:

- 8 • Schedule WRR-1 Revised Pension and PBOP Reconciliation-Revised
9
10

11 **III. Earnings Sharing Mechanism Results**

12 **Q. Please provide the background for the Earnings Sharing Mechanism (ESM).**

13 A. In Docket No. 3401, Order No. 17381, the Rhode Island Public Utilities Commission
14 (PUC) approved a base-rate settlement between the Division of Public Utilities and
15 Carriers, The Energy Council of Rhode Island, and the Company that required the
16 former New England Gas Company to file an earnings sharing calculation, based on a
17 12-month period ended June 30, by September 1 of each year as part of an incentive-
18 based ESM. Obligations of this settlement agreement were assumed by the Company
19 in connection with its acquisition of the regulated gas assets in Rhode Island from
20 Southern Union Company (Southern Union).¹ As part of the Company's 2012 Rate
21 Case and the resulting settlement agreement, approved by the PUC in January 2013,

¹ The on-going requirement for the ESM is set forth in the Company's tariff, RIPUC NG-GAS No. 101, Section 3, Schedule A, Sheet 11, sub-part 5.0.

1 the Company continues to file an ESM report; however, earnings are now measured
2 over the Company's fiscal year (twelve months ending March 31). The earnings
3 sharing calculation is to be based on the Company's gas annual report that it files with
4 the PUC for the 12 months ending March 31.²

5
6 **Q. Is the Company requesting any changes to the timing for the filing of its gas ESM**
7 **report?**

8 A. Yes, as further described below. In its September 1, 2015 Supplemental DAC filing
9 in Docket No. 4573, the Company included a request for a permanent standing
10 extension of the filing date for the Company's gas ESM reports from July 1 to August
11 28. The permanent standing extension permits the Company to file its gas ESM report
12 each year at the same time it files its Federal Energy Regulatory Commission (FERC)
13 Form 1 Supplemental Statement with CPA Certification as well as the first quarter
14 Form 3-Q with FERC (i.e., 150 days after the fiscal year end of March 31) each year.³
15 The PUC approved the Company's request at its October 30, 2015 Open Meeting.⁴

² The Company's gas annual report for the 12 months ending March 31, 2016 was filed with the PUC on August 25, 2016.

³ The gas annual report and resulting ESM report contain the same information as that which is contained in the FERC Form 1 Supplemental Statement with CPA Certification for the same twelve-month period and the FERC Form 3Q for the first quarter.

⁴ See Docket No. 4573, Errata Order No. 22476 (issued July 12, 2016), amending Order No. 22266 (issued December 11, 2015).

⁵ This request has no impact on the filing of the gas annual report, which will continue to be filed with the PUC in conjunction with the filing of the FERC Form 1 Supplemental Statement with CPA Certification and first quarter Form 3-Q with FERC.

1 Because the August 28 due date for the gas ESM report is only four calendar days
2 prior to the annual Supplemental DAC filing on September 1, which contains the
3 earnings sharing calculation and proposed ESM factor, the Company respectfully
4 requests a slight modification of the permanent standing extension date for the ESM
5 report in this proceeding to September 1 in order to coincide with the Supplemental
6 DAC filing.⁵

7
8 **Q. Has the Company submitted its calculation of the return on equity under the**
9 **ESM for FY 2016?**

10 A. Yes. Because the August 28 due date fell on a Sunday, the Company submitted the
11 ESM report for the 12-month period ended March 31, 2016 on August 29, 2016.

12
13 **Q. What was the Company's reported earnings for the 12 months ended March 31,**
14 **2016?**

15 A. The reported return on equity for FY 2016 was 6.73 percent, which is below the 9.50
16 percent allowed earnings threshold before earnings are to be shared with customers.

17
⁵ This request has no impact on the filing of the gas annual report, which will continue to be filed with the PUC in conjunction with the filing of the FERC Form 1 Supplemental Statement with CPA Certification and first quarter Form 3-Q with FERC.

1 **IV. Revised Pension and Postretirement Benefits Other than Pensions (PBOP)**

2 **Expense Reconciliation**

3 **Q. Please explain the reasons for the revisions to Schedule WRR-1.**

4 A. In my August 1, 2016 pre-filed direct testimony, I explained that the Company's
5 funding to the pension plan for the 12-month period ended March 31, 2016 was below
6 the Minimum Funding Obligation level. As a result, the Company reported that it
7 owed carrying charges to be paid to customers in the amount of \$204,381. However,
8 this amount was reflected as a positive number on Page 1 of Schedule WRR-1, rather
9 than a negative amount. This positive number was carried forward in the calculation
10 of the Pension Factor in Schedule SLN-7 to the August 1, 2016 pre-filed direct
11 testimony of Company witness Suhila Nouri Nutile. The Company has corrected the
12 carrying charge to reflect it as a credit of (\$204,381) to customers in Schedule WRR-1
13 Revised at page 1, line 12.

14
15 **Q. What is the revised result of the Company's reconciliation of pension and PBOP**
16 **expense?**

17 A. As explained in my August 1, 2016 testimony in this docket, the Company's
18 reconciliation indicates that it has over-recovered pension and PBOP expenses for the
19 12 months ending March 2016 in the amounts of (\$93,635) and (\$1,855,809),
20 respectively. In addition, the PBOP liability was over-funded during this time and,
21 therefore, no carrying charges are reflected in the reconciliation. The pension liability

1 was under-funded during this time and has a negative carrying charge of (\$204,381),
2 as opposed to a positive carrying charge of \$204,381 as originally submitted.

3

4 **Q. Are there any other changes to the Company's Gas pension and PBOP**
5 **reconciliation?**

6 A. No.

7

8 **VI. Conclusion**

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

10 A. Yes.

**Schedule
WRR-1 Revised**

**THE NARRAGANSETT ELECTRIC COMPANY
d/b/a NATIONAL GRID
RIPUC DOCKET NO. 4634
SUPPLEMENTAL DISTRIBUTION ADJUSTMENT CHARGE FILING
WILLIAM R. RICHER
SEPTEMBER 1, 2016**

Schedules of William R. Richer

Schedule WRR-1 Revised Pension and PBOP Reconciliation Revised

**Narragansett Electric - Gas Operations
Pension Costs
12 Months Ended March 31, 2016**

Line No.		April 2015 thru March 2016
1	<u>Rate Allowance:</u>	
2	National Grid - RI Gas Pension Costs Allowance	\$4,702,324
3	National Grid - Service Company Allocated Pension Costs Allowance	<u>\$2,977,528</u>
4	Total Pension Costs in Base Rates	\$7,679,852
5	<u>Expense Reconciliation:</u>	
6	Current Year actual Pension Expense Direct	\$4,211,684
7	Current Year actual Service Company Allocated Pension Expense	\$3,292,812
8	Current Year actual Affiliated Allocated Pension Expense	<u>\$81,721</u>
9	Total Current Year Pension Expense Including Service Company-Allocated Expense	\$7,586,217
10	Rate Allowance	\$7,679,852
11	Current Year Pension Expense Reconciliation	(\$93,635)
12	Funding Carrying Charge	(\$204,381)

Line Notes:

- 2 Docket No. 4323 Attachment MDL-3-GAS page 36 of 65 Line 1 (e)
- 3 Docket No. 4323 Attachment MDL-3-GAS page 36 of 65 sum of Lines 2 (e) through 5 (e)
- 4 Line 2 plus Line 3
- 6-8 Per Company Books
- 9 Sum of Lines 6 through 8
- 10 Line 4
- 11 Line 9 minus Line 10
- 12 Minus Page 3 of 4 Line 18 (f)

**Narragansett Electric - Gas Operations
Post-Retirement Benefits Other Than Pension (PBOP) Costs
12 Months Ended March 31, 2016**

Line No.		April 2015 <u>thru March 2016</u>
1	<u>Rate Allowance</u>	
2	National Grid - RI Gas PBOP Costs Allowance	\$2,470,365
3	National Grid - Service Company Allocated PBOP Costs Allowance	<u>1,852,439</u>
4	Total PBOP Costs	\$4,322,804
5	<u>Expense Reconciliation</u>	
6	Current Year actual PBOP Expense Direct	\$1,206,849
7	Current Year actual Service Company Allocated PBOP Expense	\$1,169,324
8	Current Year actual Affiliated Allocated PBOP Expense	<u>\$90,822</u>
9	Total Current Year PBOP Expense Including Service Company-Allocated Expense	\$2,466,995
10	Rate Allowance	\$4,322,804
11	Current Year PBOP Expense Reconciliation	(\$1,855,809)
12	Total Funding Carrying Charge	\$0

Line Notes:

- 2 Docket No. 4323 Attachment MDL-3-GAS page 35 of 65 Line 1 (e)
- 3 Docket No. 4323 Attachment MDL-3-GAS page 35 of 65 sum of Lines 2 (e) thru 5 (e)
- 4 Line 2 plus Line 3
- 6-8 Per Company Books
- 9 Sum of Lines 6 through 8
- 10 Line 4
- 11 Line 9 minus Line 10
- 12 Minus Page 4 of 4 Line 18 (f)

**Narragansett Electric - Gas Operations
Pension Funding Carrying Charges
12 Months Ended March 31, 2016**

	(a) Dkt 4323	(b) Mar-2015	(c) Jun-2015	(d) Sep-2015	(e) Dec-2015	(f) Mar-2016
Customer Funding						
1 Base Rate Recovery:						
2 Direct	\$4,702,324	\$1,175,581	\$1,175,581	\$1,175,581	\$1,175,581	\$1,175,581
3 Servco	\$2,977,528	\$744,382	\$744,382	\$744,382	\$744,382	\$744,382
4 PAM Surcharge Recovery:		(\$39,978)	(39,978)	(39,978)	(\$182,099)	(\$253,160)
5 Pension Capitalized Amount:						
6 Direct		\$708,066	\$1,279,117	\$1,531,942	\$1,614,286	\$921,980
7 Servco/Other Affiliates		\$290,571	\$322,023	\$406,539	\$422,216	\$382,367
8 Total Customer Funding:		\$2,878,622	\$3,481,125	\$3,818,466	\$3,774,366	\$2,971,150
Company Contributions¹						
9 Pension		Jun-2015 9,138,750	Sep-2015 \$1,138,750	Dec-2015 \$1,138,750	Mar-2016 \$1,138,750	Jun-2016 1,422,000
11 Service Company Allocated Costs		\$1,034,953	\$1,066,405	\$1,150,921	\$1,166,598	\$1,126,749
12 Total Contributions		\$10,173,703	\$2,205,155	\$2,289,671	\$2,305,348	\$2,548,749
13 Under/(Over) Funding		(\$7,295,081)	\$1,275,970	\$1,528,795	\$1,469,018	\$422,401
14 Cumulative Under/(Over) Funding		(\$576,499)	\$699,470	\$2,228,266	\$3,697,284	\$4,119,685
15 Five Quarter Average						\$2,033,641
16 Base for Carrying Charge (greater of line 22 or zero)						\$2,033,641
17 Pre-tax WACC						10.05%
18 Carrying Charge						<u>\$204,381</u>

Company Contributions¹-This amount represents dollars funded in the subsequent quarter

Line Notes

- 2(a) Docket No. 4323 Attachment MDL-3-GAS page 36 of 65 line 1 (e)
- 2(b) - 2(f) Line 2 (a) divided by 12 times 3
- 3(a) Docket No. 4323 Attachment MDL-3-GAS page 36 of 65 sum of lines 2 (e) through 5 (e)
- 3(b) - 3(f) Line 3 (a) divided by 12 times 3
- 4(b) - 4(d) Docket No. 4514 Schedule WRR-1, page 1 of 6, Line 9 divided by 12 times 3
- 4(e) Docket No. 4514 Schedule WRR-1, page 1 of 6, Line 9 divided by 12 times 1 plus Docket No. 4573 Schedule WRR-3 Revised, page 1 of 4, Line 11 divided by 12 times 2
- 4(f) Docket No. 4573 Schedule WRR-3 Revised, page 1 of 4, Line 11 divided by 12 times 3
- 6(b) - 6(f) Per Company Books
- 7(b) - 7(f) Per Company Books
- 8(b) - 8(f) Sum of Line 2 through Line 7
- 10 Per Company Books
- 11 Line 3 plus line 7
- 12 Line 10 plus Line 11
- 13 Line 8 minus Line 12
- 14 Current year Line 13 plus prior year Line 14
- 15 Average of column (b) through column (e)
- 16 If Line 15 is greater than zero, Line 15 if not, zero
- 17 Docket No 4323
- 18 Line 16 times Line 17

Narragansett Electric - Gas Operations
PBOP Funding - Carrying Charges
12 Months Ended March 31, 2016

	(a) Dkt 4323	(b) Mar-2015	(c) Jun-2015	(d) Sep-2015	(e) Dec-2015	(f) Mar-2016
Customer Funding						
1 Base Rate Recovery:						
2 Direct	\$2,470,365	\$617,591	\$617,591	\$617,591	\$617,591	\$617,591
3 Servco	\$1,852,439	\$463,110	\$463,110	\$463,110	\$463,110	\$463,110
4 PAM Surcharge Recovery:		(\$237,076)	(\$237,076)	(\$237,076)	(\$424,288)	(\$517,894)
5 PBOP Capitalized Amount:						
6 Direct		\$216,894	\$366,528	\$438,975	\$462,570	\$264,191
7 Servco/Other Affiliates		\$104,122	\$123,740	\$163,890	\$127,845	\$140,829
8 Total Customer Funding:		\$1,164,641	\$1,333,894	\$1,446,490	\$1,246,829	\$967,827
9 Company Contributions¹		<u>Jun-2015</u>	<u>Sep-2015</u>	<u>Dec-2015</u>	<u>Mar-2016</u>	<u>Jun-2016</u>
10 PBOP		\$8,060,500	\$60,755	\$60,637	\$60,500	\$263,826
11 Service Company Allocated Costs		<u>567,232</u>	<u>586,850</u>	<u>627,000</u>	<u>590,955</u>	<u>603,939</u>
12		\$8,627,732	\$647,605	\$687,637	\$651,455	\$867,765
13 Under/(Over) Funding		(\$7,463,091)	\$686,289	\$758,853	\$595,373	\$100,062
14 Cumulative Funding Under/(Over) Funding		(\$2,175,069)	(\$1,488,780)	(\$729,927)	(\$134,553)	(\$34,491)
15 Five Quarter Average						(\$912,564)
16 Base for Carrying Charge (greater of line 22 or zero)						\$0
17 Pre-tax WACC						10.05%
18 Carrying Charge						<u>\$0</u>

Company Contributions¹-This amount represents dollars funded in the subsequent quarter

Line Notes

- 2(a) Docket No. 4323 Attachment MDL-3-GAS page 36 of 65 line 1 (e)
- 2(b) - 2(f) Line 2 (a) divided by 12 times 3
- 3(a) Docket No. 4323 Attachment MDL-3-GAS page 36 of 65 sum of lines 2 (e) thru 5 (e)
- 3(b) - 3(f) Line 3 (a) divided by 12 times 3
- 4(b) - 4(d) Docket No. 4514 Schedule WRR-1, page 2 of 6, Line 9 divided by 12 times 3
- 4(e) Docket No. 4514 Schedule WRR-1, page 2 of 6, Line 9 divided by 12 times 1 plus Docket No. 4573 Schedule WRR-3 Revised, page 2 of 4, Line 11 divided by 12 times 2
- 4(f) Docket No. 4573 Schedule WRR-3 Revised, page 2 of 4, Line 11 divided by 12 times 3
- 6(b) - 6(f) Per Company Books
- 7(b) - 7(f) Per Company Books
- 8 (b) - 8(f) Sum of Line 2 through Line 7
- 10 Per Company Books
- 11 Line 3 plus line 7
- 12 Line 10 plus Line 11
- 13 Line 8 minus Line 12
- 14 Current year Line 13 plus prior year Line 14
- 15 Average of column (b) through column (e)
- 16 If Line 15 is greater than zero, Line 15 if not, zero
- 17 Docket No 4323
- 18 Line 16 times Line 17