

September 1, 2015

BY HAND DELIVERY AND ELECTRONIC MAIL

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

**RE: National Grid's Electric Pension Adjustment Factor Filing
For the Twelve-Month Period Ending March 31, 2015
Docket No. _____**

Dear Ms. Massaro:

On behalf of National Grid,¹ I have enclosed the Company's proposed Pension Adjustment Factor (PAF) and annual pension and other post-employment benefits (OPEB) reconciliation for the 12-month period ending March 31, 2015. This filing is submitted pursuant to the Company's Pension Adjustment Mechanism Provision (Pension Provision), R.I.P.U.C. No. 2119, which was approved by the Rhode Island Public Utilities Commission (PUC) in Docket No. 4323. The Pension Provision allows for the recovery or refund of the prior year's reconciliation of the Company's actual pension and OPEB expenses to the Company's pension and OPEB allowances included in base rates.

This filing includes the pre-filed direct testimony and schedules of William R. Richer in support of the proposed PAF. In his testimony, Mr. Richer provides an overview of the Company's pension and OPEB reconciliation for the 12-month period ending March 31, 2015 and the calculation of the pension and OPEB expenses reflected in the reconciliation. As explained in Mr. Richer's testimony, the 2014 pension and PBOP reconciliation filing resulted in a small net under recovered amount, which was too small to generate a PAF to take effect on October 1, 2014. Therefore, the PUC approved the Company's proposal in the 2014 filing to carry forward the reconciliation balances into this filing.

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

Luly E. Massaro, Commission Clerk
Pension Adjustment Factor Filing
September 1, 2015
Page 2 of 2

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

Very truly yours,

A handwritten signature in blue ink, appearing to read "Raquel Webster", is written over a faint, light-colored rectangular stamp or watermark.

Raquel J. Webster

Enclosures

cc: Leo Wold, Esq.
Steve Scialabba, Division

DIRECT TESTIMONY

OF

WILLIAM R. RICHER

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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.

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

7 A. I am the Director of Revenue Requirements, Rhode Island, for National Grid USA
8 Service Company, Inc. (Service Company). In this role, I provide services to the gas and
9 electric businesses of The Narragansett Electric Company (the Company).

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

12 A. In 1985, I earned a Bachelor of Science degree in Accounting from Northeastern
13 University. During my schooling, I interned at the public accounting firm, Pannell Kerr
14 Forster in Boston, Massachusetts, as a staff auditor and continued with this firm after my
15 graduation. In February 1986, I joined Price Waterhouse in Providence, Rhode Island,
16 where I worked as a staff auditor and senior auditor. During this time, I earned my
17 certified public accountants license in the State of Rhode Island. In June 1990, I joined
18 National Grid in the Service Company (then known as New England Power Service
19 Company, Inc.) as a supervisor of Plant Accounting. Since that

1 time, I have held various positions within the Service Company, including Manager of
2 Financial Reporting, Principal Rate Department Analyst, Manager of General
3 Accounting, Director of Accounting Services, and Assistant Controller.
4

5 **Q. Have you previously testified before the Rhode Island Public Utilities Commission?**

6 A. Yes. I have testified before the Rhode Island Public Utilities Commission (PUC) on
7 numerous occasions.
8

9 **II. Purpose of Testimony**

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

11 A. My testimony describes the origin of the Company's Pension and Postretirement Benefits
12 Other than Pensions (PBOP) factor (PAF) and provides the calculation of the
13 reconciliation of pension and PBOP costs to the allowance for recovery in base
14 distribution rates as provided for in the Company's Pension Adjustment Mechanism
15 Provision, R.I.P.U.C. No. 2119 (Pension Provision). My testimony will also describe the
16 carry forward of balances from the Company's prior year Pension Adjustment
17 Mechanism Filing in Docket 4518 into the current filing. Last year's pension and PBOP
18 reconciliation filing resulted in a small net under recovered amount. The net amount
19 from that filing was too small to generate a PAF to take effect on October 1, 2014, and,
20 therefore, the PUC approved the Company's proposal in that filing to carry forward the
21 reconciliation balances into this filing. Finally, my testimony will address a correction to
22 the calculation of carrying charges in the Company's 2014 reconciliation filing.

1 **Q. Are there any schedules to your testimony?**

2 A. Yes, I am sponsoring the following schedules:

- 3 • Schedule WRR-1 - Pension and Other Post-Employment Benefits Reconciliation
- 4 • Schedule WRR-2 - Correction of Prior Year Cumulative Over/(Under) Funding and
- 5 Carrying Charge Calculation
- 6 • Schedule WRR-3 - Pension and Other Post-Employment Benefits Other than
- 7 Pensions Adjustment Factor Calculation
- 8 • Schedule WRR-4 - Typical Bill Impacts

9

10 **III. Pension and PBOP Expense Reconciliation**

11 **Q. What is the genesis of the Pension Adjustment Mechanism?**

12 A. The Pension Adjustment Mechanism for the Company's distribution operations was

13 approved by the PUC in the Company's 2012 general rate case in Docket No. 4323,

14 Order No. 21011 (2012 Rate Case). The electric Pension Adjustment Mechanism is

15 similar to the mechanism that is in effect for the Company's gas operations. The

16 Company annually reconciles its actual pension and PBOP expenses against the

17 associated allowance in base distribution rates as determined in the most recent general

18 rate case (in this case, the Company's 2012 Rate Case) through this mechanism, which is

19 provided for under the Company's Pension Provision. Any difference between the

20 pension and PBOP expenses and the associated allowance, either positive or negative, is

21 reflected in rates assessed to the Company's electric customers through the PAF.

1 **Q. Generally, how does the reconciliation of pension and PBOP expense operate?**

2 A. The PAF is based on the difference between the Company's actual pension and PBOP
3 expense for the prior twelve month period ended March 31 and the allowance included in
4 base distribution rates. In addition, the Company will contribute to the pension and
5 PBOP plans at the "Minimum Funding Obligation" level. The Minimum Funding
6 Obligation level is equal to the amount billed to customers plus the amounts of
7 capitalized pension and PBOP costs. The amount billed to customers includes: (1) the
8 pension and PBOP allowance in base distribution rates, and (2) plus or minus the amount
9 billed or credited to customers through the PAF. If the Company does not fund its
10 pension and PBOP plans at the Minimum Funding Obligation level, the Company will
11 pay a carrying charge to customers at the weighted average cost of capital. This payment
12 would be applied to the cumulative five quarter average shortfall between the Minimum
13 Funding Obligation level and amounts the Company contributes to the pension and PBOP
14 plans, plus amounts paid to the Service Company for allocated pension and PBOP costs.

15
16 **Q. Has the Company performed this reconciliation for the period ending March 2015?**

17 A. Yes. This reconciliation is included as Schedule WRR-1.
18

19 **Q. What is the result of the Company's reconciliation?**

20 A. The Company's reconciliation indicates that it has under-recovered pension expense and
21 over-recovered PBOP expenses for the twelve months ending March 2015 in the amounts
22 of \$2,080,451 and (\$17,850), respectively. In addition, both the pension and the PBOP

1 liabilities were over-funded during this time, and, therefore, no carrying charges are
2 reflected in the reconciliation. As explained previously, the net pension and PBOP
3 reconciliation balance from the Company's prior year reconciliation filing in Docket
4 4518 was too small on a net basis to generate a factor on the net under recovered balance.
5 In that filing, the Company proposed to carry the reconciliation balances at March 31,
6 2014 to the 2015 filing. The Company's prior year pension reconciliation was an under
7 recovery of \$623,723, and the prior year PBOP reconciliation was an over recovery of
8 \$503,518. When taken together, the pension reconciliation under-recovery for the
9 periods ended March 31, 2014 and March 2015 totaling \$2,704,174, and the PBOP
10 reconciliation over-recovery for those periods of \$521,368, net to an under-recovered
11 amount of \$2,182,806.

12
13 **Q. You mentioned earlier that your testimony would address a correction to the prior**
14 **year pension and PBOP reconciliation filing in Docket 4518. Please describe this**
15 **correction.**

16 **A.** As described previously, the Company will contribute to the pension and PBOP plans at
17 the Minimum Funding Obligation level equal to the amount billed to customers plus the
18 amounts of pension and PBOP costs capitalized. The amounts billed to customers
19 includes the Company's own pension and PBOP expense, as well as pension and PBOP
20 expense of the Service Company and the Company's other affiliates. Likewise,
21 capitalized amounts include the Company's own capitalized pension and PBOP costs, as
22 well as amounts paid to the Service Company and the Company's other affiliates for

1 amounts capitalized on the Company's books. The amounts paid by the Company to the
2 Service Company and other affiliates for expensed and capitalized amounts also represent
3 Company contributions for purposes of calculating the under/(over) funding of pension
4 and PBOP costs. In the 2014 pension and PBOP reconciliation filing, the Company
5 understated the amount of Service Company and other affiliate Company contributions in
6 the calculation of the cumulative under/(over) funding. Specifically, the Service
7 Company and other affiliate Company contributions failed to include Service Company
8 and other affiliates base rate recovery in the cumulative under/(over) funding calculation.
9 Also, in the 2014 reconciliation filing, the Company incorrectly reported a cumulative
10 average under funding for both pension and PBOPs, and, consequently, the Company
11 calculated pension-related carrying charges totaling \$25,508 and PBOP-related carrying
12 charges of \$46,642. The Company has revised its prior year pension and PBOP funding
13 carrying charge calculations and is providing those as Schedule WRR-2. The revised
14 calculations reflect a cumulative over funding for both pensions and PBOPs, resulting in
15 no prior period carrying charges. As a result, the Company is not including any carrying
16 charges in the amounts as part of the prior year balances that are being carried forward to
17 the current pension and PBOP reconciliation filing for the period ended March 31, 2015.

18
19 **Q. What is the Company's proposed PAF to be effective on October 1, 2015?**

20 A. The proposed PAF is calculated on Schedule WRR-3. The net under-recovery of
21 \$2,182,806 on Line 7 is divided by the forecasted kWhs during the recovery period,
22

1 October 1, 2015 through September 30, 2016, on Line 8, resulting in a charge of
2 \$0.00028 per kWh on Line 9.

3
4 **Q. Why is the Company proposing a uniform per kWh PAF?**

5 A. Pursuant to the Pension Provision, the PAF shall be a uniform per kilowatt-hour factor
6 based on the estimated kilowatt-hours to its retail delivery customers.

7
8 **Q. Is the Company providing a typical bill analysis to illustrate the impact of the**
9 **proposed rates on each of the Company's rate classes?**

10 A. Yes. The typical bill analysis illustrating the monthly bill impact of the proposed rate
11 changes for each rate class is provided in Schedule WRR-4. The impact of the proposed
12 PAF on a typical residential customer receiving Standard Offer Service and using 500
13 kWhs per month is an increase of \$0.15, or approximately 0.2% from \$99.02 to \$99.17.

14
15 **Q. Is the Company providing a proposed Summary of Retail Delivery Rates, Tariff No.**
16 **2095, reflecting the reconciling factors proposed in this filing?**

17 A. Not at this time. The Company has proposed Infrastructure, Safety and Reliability (ISR)
18 CapEx and Operation and Maintenance (O&M) reconciling factors pending approval for
19 effect on October 1, 2015. The Company will file a Summary of Retail Delivery Rates
20 reflecting all rate changes proposed for October 1, 2015 in compliance with the PUC's
21 orders in this proceeding and the ISR reconciliation proceeding.

22

1 **IV. Conclusion**

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

3 **A. Yes.**

Narragansett Electric - Electric Operations
Pension Costs
12 Months Ended March 31, 2015

Line No.		April 2014 thru March 2015
1	<u>Rate Allowance:</u>	
2	National Grid - RI Electric Pension Costs Allowance ¹	\$4,100,051
3	National Grid - Service Company Allocated Pension Costs Allowance	<u>\$3,623,508</u>
4	Total Pension Costs	\$7,723,559
5	<u>Expense Reconciliation:</u>	
6	Current Year actual Pension Expense Direct	\$3,641,112
7	Current Year actual Service Company Allocated Pension Expense	\$6,006,439
8	Current Year actual Affiliated Allocated Pension Expense	<u>\$156,459</u>
9	Total Current Year Pension Expense	\$9,804,010
10	Rate Allowance	\$7,723,559
11	Current Year Pension Expense Reconciliation	\$2,080,451
12	Prior Year Pension Expense Reconciliation	<u>\$623,723</u>
13	Total Pension Expense Reconciliation	\$2,704,174
14	Funding Carrying Charge	\$0

Line Notes:

- 2 Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71 line 26 (k) less line 24 (k)
- 3 Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71 sum of lines 26 (l) thru 26 (n)
- 4 Line 2 plus Line 3
- 6-8 Per Company Books
- 10 Line 4
- 11 Line 9 minus Line 10
- 12 Docket No. 4518 Schedule WRR-1 page 2 of 8 line 14(a). The net pension and OPEB under recovery in Docket No. 4518 was too small to generate a rate impact, and the PUC approved the Company's proposal to carry forward the FY 2014 reconciliation balances into the pension and OPEB reconciliation filing for the 12 months ended March 31, 2015.
- 13 Line 11 plus Line 12
- 14 Minus Page 3 of 4 Line 26 (f)

¹ Pension rate allowance for purposes of this reconciliation excludes the 10-year recovery of pension and OPEB costs from Docket No. 3617 of \$2,511,132. This recovery ended on December 31, 2013. The amount of amortization of these pension and OPEB costs is also excluded from the expense amount shown on Line 6 above.

**Narragansett Electric - Electric Operations
Other Post Employment Benefits (OPEB) Costs
12 Months Ended March 31, 2015**

<u>Line No.</u>		<u>April 2014 thru March 2015</u>
1	<u>Rate Allowance</u>	
2	National Grid - RI Electric OPEB Costs Allowance	\$1,813,275
3	National Grid - Service Company Allocated OPEB Costs Allowance	<u>\$1,728,301</u>
4	Total OPEB Costs	\$3,541,576
5	<u>Expense Reconciliation</u>	
6	Current Year actual OPEB Expense Direct	\$1,203,276
7	Current Year actual Service Company Allocated OPEB Expense	\$2,209,551
8	Current Year actual Affiliated Allocated OPEB Expense	<u>\$110,898</u>
9	Total Current Year OPEB Expense	\$3,523,726
10	Rate Allowance	\$3,541,576
11	Current Year OPEB Expense Reconciliation	(\$17,850)
12	Prior Year OPEB Expense Reconciliation	<u>(503,518)</u>
13	Total OPEB Expense Reconciliation	(\$521,368)
14	Funding Carrying Charge	\$0

Line Notes:

- 2 Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 34 of 71 line 1(e)
- 3 Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 34 of 71 sum of lines 2(e) through 5(e)
- 4 Line 2 plus Line 3
- 6-8 Per Company Books
- 10 Line 4
- 11 Line 9 minus Line 10
- 12 Docket No. 4518 Schedule WRR-1 page 2 of 8 line 14(a). The net pension and OPEB under recovery in Docket No. 4518 was too small to generate a rate impact, and the PUC approved the Company's proposal to carry forward the FY 2014 reconciliation balances into the pension and OPEB reconciliation filing for the 12 months ended March 31, 2015.
- 13 Line 11 plus Line 12
- 14 Minus Page 4 of 4 Line 25(f)

**Narragansett Electric - Electric Operations
Pension Funding Carrying Charges-quarterly
12 Months Ended March 31, 2015**

	(a) Dkt 4323	(b) Mar-2014	(c) Jun-2014	(d) Sep-2014	(e) Dec-2014	(f) Mar-2015
Customer Funding						
1 Base Rate Recovery:						
2 Direct	\$4,100,051	\$1,025,013	\$1,025,013	\$1,025,013	\$1,025,013	\$1,025,013
3 Servco	\$3,623,508	\$905,877	\$905,877	\$905,877	\$905,877	\$905,877
Recovery of Pension and OPEB per						
4 R.I.P.U.C Docket No. 3617	\$2,511,132	\$0	\$0	\$0	\$0	\$0
5						
6 PAM Surcharge Recovery:		\$0	\$0	\$0	\$0	\$0
7 Pension Capitalized Amount:						
8 Direct		\$721,486	\$609,600	\$793,604	\$881,684	\$1,255,008
9 Servco/Other Affiliates		\$469,981	\$645,238	\$588,262	\$695,972	\$712,817
10						
11 Total Customer Funding:		\$3,122,357	\$3,185,727	\$3,312,757	\$3,508,546	\$3,898,715
12						
Company Contributions¹		Jun-2014	Sep-2014	Dec-2014	Mar-2015	Jun-2015
13 Pension		\$1,845,250	\$1,845,250	\$3,690,500	\$0	\$3,510,000
14						
15 Service Company Allocated Costs		\$1,375,858	\$1,551,115	\$1,494,139	\$1,601,849	\$1,618,694
16 Total Contributions		\$3,221,108	\$3,396,365	\$5,184,639	\$1,601,849	\$5,128,694
17						
18 Under/(Over) Funding		(\$98,751)	(\$210,638)	(\$1,871,883)	\$1,906,697	(\$1,229,979)
19						
20 Cumulative Under/(Over) Funding		(\$1,500,440)	(\$1,711,077)	(\$3,582,960)	(\$1,676,263)	(\$2,906,242)
21 Five Quarter Average						(\$2,275,396)
22						
23						
24 Base for Carrying Charge (greater of line 22 or zero)						\$0
25 Pre-tax WACC						9.68%
26 Carrying Charge						<u>\$0</u>

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

Line Notes

- 2(a) Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71 line 1(e)
- 2(b)-2(f) Line 2(a) divided by 12 times 3
- 3(a) Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71 sum of lines 2(e) thru 5(e)
- 3(b)-3(f) Line 3(a) divided by 12 times 3
- 4(a) Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71 line 24(p)
- 6(e)-6(f) Previous Year's Reconciliation divided by 3
- 8(b)-8(f) Per Company Books
- 9(b)-9(f) Per Company Books
- 10(b)-10(f) Page 5 of 6, Line 13(a)-26(a)
- 9(c)-9(b) Page 7 of 8, (Line 6(b) plus Line 6(d)) divided by 4
- 11 Sum of Line 2 through Line 9
- 14 Per Company Books
- 16 Line 3 plus Line 9
- 17 Sum of line 14 through line 16
- 19 Line 11 minus line 17
- 21 Current year line 19 plus prior year line 21
- 22 Average of column (b) through column (f)
- 24 If line 22 is greater than zero, line 22 if not, zero
- 25 Docket No. 4323
- 26 Line 24 times line 25

Narragansett Electric - Electric Operations
OPEB Funding - Carrying Charges-quarterly
12 Months Ended March 31, 2015

	(a) Dkt 4323	(b) Mar-2014	(c) Jun-2014	(d) Sep-2014	(e) Dec-2014	(f) Mar-2015
Customer Funding						
1 Base Rate Recovery:						
2 Direct	\$1,813,275	\$453,319	\$453,319	\$453,319	\$453,319	\$453,319
3 Servco	\$1,728,301	\$432,075	\$432,075	\$432,075	\$432,075	\$432,075
4						
5 PAM Surcharge Recovery:		\$0	\$0	\$0	\$0	\$0
6 OPEB Capitalized Amount:						
7 Direct		\$163,970	\$153,802	\$245,488	\$280,298	\$281,066
8 Servco/Other Affiliates		\$176,411	\$230,474	\$277,898	\$357,296	\$262,200
9						
10 Total Customer Funding:		1,225,775	1,269,671	1,408,780	1,522,987	1,428,660
11						
12 Company Contributions¹		Jun-2014	Sep-2014	Dec-2014	Mar-2015	Jun-2015
13						
14 OPEB		\$425,365	\$422,750	\$422,750	\$422,750	\$443,250
15 ServCo/Other Affiliates Allocated Costs		\$608,486	\$662,549	\$709,973	\$789,371	\$694,275
16		\$1,033,852	\$1,085,299	\$1,132,723	\$1,212,121	\$1,137,525
17						
18 Under/(Over) Funding		\$191,923	\$184,371	\$276,057	\$310,866	\$291,135
19						
20 Cumulative Funding Under/(Over) Funding		(\$507,755)	(\$323,384)	(\$47,327)	\$263,539	\$554,674
21 Five Quarter Average						(\$12,051)
22						
23 Base for Carrying Charge (greater of line 22 or zero)						\$0
24 Pre-tax WACC						9.68%
25 Carrying Charge						\$0

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

Line Notes

- 2(a) Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71 line 1(e)
- 2(b)-2(f) Line 2(a) divided by 12 times 3
- 3(a) Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71 sum of lines 2(e) thru 5(e)
- 3(b)-3(f) Line 3(a) divided by 12 times 3
- 4(a) Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71 line 24(p)
- 5(e)-5(f) Previous Year's Reconciliation divided by 3
- 7(b)-7(f) Per Company Books
- 8(b)-8(f) Per Company Books
- 10 Sum of Line 2 through Line 8
- 14 Per Company Books
- 15 Line 3 plus Line 8
- 16 Sum of line 14 through line 15
- 18 Line 10 minus line 16
- 20 Current year line 18 plus prior year line 20
- 21 Average of column (b) through column (f)
- 23 If line 21 is greater than zero, line 21 if not, zero
- 24 Docket No. 4323
- 25 Line 23 times line 24

The Narragansett Electric Company
d/b/a National Grid
Docket No. 4518
Revised Schedule WRR-1
August 6, 2014
Page 1 of 8

**Narragansett Electric - Electric Operations
Pension Costs
14 Months Ended March 31, 2014**

Line No.		February 2013 thru March 2014 (a)
1	<u>Rate Allowance:</u>	
2	National Grid - RI Electric Pension Costs Allowance	\$4,783,393
3	National Grid - Service Company Allocated Pension Costs Allowance	\$4,227,426
4	Total Pension Costs	<u>\$9,010,819</u>
5		
6	<u>Expense Reconciliation:</u>	
7	February 2013 - March 2013 Estimated Pension Expense Including Service Company-Allocated Expense	\$1,481,999
8	April 2013 - March 2014 Estimated Pension Expense Including Service Company-Allocated Expense	<u>\$8,152,543</u>
9		
10	Total Current Year Pension Expense Including Service Company-Allocated Expense	\$9,634,542
11		
12	Rate Allowance	\$9,010,819
13		
14	Current Year Regulatory Expense Reconciliation	\$623,723
15		
16	Funding Carrying Charge	\$0

Line Notes:

- 2(a) Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71 line 26(k) less line 24(k) prorated for 14 months¹
- 3(a) Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71 sum of lines 26(l) thru 26(n) prorated for 14 months
- 4 Line 2 plus Line 3
- 7 Page 5 of 8, Line 11(f)
- 8 Page 7 of 8, Line 9(f)
- 10 Line 7 plus Line 8
- 12 Line 4
- 14 Line 10 minus Line 12
- 16 Minus Page 3 of 8, line 27(q)

¹ Pension rate allowance for purposes of this reconciliation excludes the 10-year recovery of pension and OPEB costs from Docket No. 3617 of \$2,511,132. This recovery ended on December 31, 2013. The amount of amortization of these pension and OPEB costs for the period February 1, 2013 to December 31, 2013 are also excluded from the expense amount shown on Lines 7 and 8 above.

The Narragansett Electric Company
d/b/a National Grid
Docket No. 4518
Revised Schedule WRR-1
August 6, 2014
Page 2 of 8

**Narragansett Electric - Electric Operations
Other Post Employment Benefits (OPEB) Costs
14 Months Ended March 31, 2014**

Line No.		February 2013 thru March 2014 (a)
1	<u>Rate Allowance</u>	
2	National Grid - RI Electric OPEB Costs Allowance	\$2,115,488
3	National Grid - Service Company Allocated OPEB Costs Allowance	<u>2,016,351</u>
4	Total OPEB Costs	<u>\$4,131,839</u>
5		
6	<u>Expense Reconciliation</u>	
7	February 2013 - March 2013 Estimated Pension Expense Including Service Company-Allocated Expense	\$983,279
8	April 2013 - March 2014 Estimated Pension Expense Including Service Company-Allocated Expense	<u>\$2,645,041</u>
9		
10	Total Current Year OPEB Expense Including Service Company-Allocated Expense	\$3,628,320
11		
12	Rate Allowance	\$4,131,839
13		
14	Current Year Regulatory Expense Reconciliation	(\$503,518)
15		
16	Funding Carrying Charge	\$0

Line Notes:

- 2(a) Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 34 of 71 line 1(e) prorated for 14 months
- 3(a) Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 34 of 71 sum of lines 2(e) thru 5(e) prorated for 14 months
- 4 Line 2 plus Line 3
- 7 Page 6 of 8, Line 11(f)
- 8 Page 8 of 8, Line 9(f)
- 10 Line 7 plus Line 8
- 12 Line 4
- 14 Line 10 minus Line 12
- 16 Minus Page 4 of 8, Line 26(q)

Narragansett Electric - Electric Operations
Pension Funding Carrying Charge 45 Month Average
14 Months Ended March 31, 2014

	(a) DK-4323	(b) Jan-2013	(c) Feb-2013	(d) Mar-2013	(e) Apr-2013	(f) May-2013	(g) Jun-2013	(h) Jul-2013	(i) Aug-2013	(j) Sep-2013	(k) Oct-2013	(l) Nov-2013	(m) Dec-2013	(n) Jan-2014	(o) Feb-2014	(p) Mar-2014	(q)
Customer Funding																	
1 Base Rate Recovery:																	
2 Direct	\$4,100,061	\$0	\$341,671	\$341,671	\$341,671	\$341,671	\$341,671	\$341,671	\$341,671	\$341,671	\$341,671	\$341,671	\$341,671	\$341,671	\$341,671	\$341,671	
3 Service	\$3,623,508	\$0	\$301,959	\$301,959	\$301,959	\$301,959	\$301,959	\$301,959	\$301,959	\$301,959	\$301,959	\$301,959	\$301,959	\$301,959	\$301,959	\$301,959	
4 Recovery of Pension and OPEB per R.I.P.U.C. Docket No. 3817	\$2,511,132	\$0	\$209,261	\$209,261	\$209,261	\$209,261	\$209,261	\$209,261	\$209,261	\$209,261	\$209,261	\$209,261	\$209,261	\$0	\$0	\$0	
5																	
6 PAM Surcharge Recovery:																	
7 Direct	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
8 Service	\$0	\$0	\$277,301	\$277,301	\$240,495	\$240,495	\$240,495	\$240,495	\$240,495	\$240,495	\$240,495	\$240,495	\$240,495	\$240,495	\$240,495	\$240,495	
9 Charged to Affiliates	\$0	\$0	\$158,426	\$158,426	\$156,660	\$156,660	\$156,660	\$156,660	\$156,660	\$156,660	\$156,660	\$156,660	\$156,660	\$156,660	\$156,660	\$156,660	
10																	
11 Total Customer Funding:	\$0	\$0	\$1,288,618	\$1,288,618	\$1,250,047	\$1,250,047	\$1,250,047	\$1,250,047	\$1,250,047	\$1,250,047	\$1,250,047	\$1,250,047	\$1,250,047	\$1,040,786	\$1,040,786	\$1,040,786	
12																	
13 Company Contributions¹																	
14 Pension	\$0	Apr-2013	May-2013	Jun-2013	Jul-2013	Aug-2013	Sep-2013	Oct-2013	Nov-2013	Dec-2013	Jan-2014	Feb-2014	Mar-2014	Apr-2014	May-2014	Jun-2014	
15	\$0		\$2,545,250	\$0	\$0	\$0	\$2,545,250	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,845,250	\$0	
16 Service Company Allocated Costs																	
17	\$0		\$460,385	\$460,385	\$458,619	\$458,619	\$458,619	\$458,619	\$458,619	\$458,619	\$458,619	\$458,619	\$458,619	\$458,619	\$458,619	\$458,619	
18 Total Contributions	\$0		\$3,005,635	\$460,385	\$3,003,869	\$458,619	\$3,003,869	\$3,003,869	\$458,619	\$458,619	\$458,619	\$458,619	\$458,619	\$458,619	\$2,303,869	\$458,619	
19																	
20 Under (Over) Funding	\$0		\$(8,717,018)	\$828,232	\$(1,753,823)	\$791,427	\$791,427	\$(1,753,823)	\$791,427	\$(1,753,823)	\$791,427	\$791,427	\$791,427	\$882,166	\$(1,263,084)	\$582,166	
21																	
22 Cumulative Under (Over) Funding	\$0		\$(8,717,018)	\$(888,785)	\$(2,642,608)	\$(1,851,180)	\$(1,059,753)	\$(2,813,576)	\$(2,022,148)	\$(3,775,971)	\$(2,984,544)	\$(2,193,116)	\$(1,401,689)	\$(819,523)	\$(2,082,606)	\$(1,500,440)	
23 Fifteen Month Average																	
24 Base for Carrying Charge (greater of line 22 or zero)																	\$(1,850,197)
25 Prior WACC																	\$0
26																	9.68%
27 Carrying Charge																	\$0

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

Line Notes

- 2(a) Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71 line 1(e) minus line 24(b)
2(c)-2(p) Line 2(a) divided by 12
3(a) Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71 sum of lines 2(e) thru 5(e)
3(c)-3(p) Line 3(a) divided by 12
4(a) Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71 line 24(p)
4(c)-4(m) Line 4(a) divided by 12
8(c)-8(d) Page 5 of 8, (Line 6(a) divided by 12
8(e)-8(f) Page 5 of 8, (Line 6(b) divided by 12
9(c)-9(d) Page 5 of 8, (Line 6(b) plus Line 6(d)) divided by 12
9(e)-9(p) Page 7 of 8, (Line 6(b) plus Line 6(c)) divided by 12
10(c)-10(d) Page 5 of 8, (Line 6(c) divided by 12
10(e)-10(p) Page 7 of 8, (Line 6(c) divided by 12
12 Sum of Line 2 through Line 10
13 See Company Books
17 Sum of line 15 through line 17
18 Line 12 minus line 18
20 Current year line 20 plus prior year line 22
22 Average of column (b) through column (p)
23 If line 23 is greater than zero, line 23; if not, zero
24 Prior Year Line 24
25 Line 25 times line 26

Narragansett Electric - Electric Operations
OPEB Funding - Carrying Charges-15 Month Average
14 Months Ended March 31, 2014

[illegible]

Line Notes

2(a)	Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 34 of 77 line 1 (c)
2(b)-(2)	Line 20 divided by 12
3(a)	Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 34 of 77 line 5 (c)
3(b)-(3)	Line 31(a) divided by 12
4(a)-(4)	Page 6 of 8, Line 6(a) divided by 12
7(a)-(7)	Page 8 of 8, Line 6(a) divided by 12
8(a)-(8)	Page 6 of 8, Line 6(b) plus Line 6(d) divided by 12
8(b)-(8b)	Page 8 of 8, Line 6(b) plus Line 6(d) divided by 12
9(a)-(9)	Page 6 of 8, Line 6(c) divided by 12
9(b)-(9b)	Page 8 of 8, Line 6(c) divided by 12
11	Sum of line 2 through Line 9
14	Per Company Books
16	Line 8
17	Sum of Line 14 through line 16
19	Line 1 minus line 17
21	Current year line 19 plus prior year line 21
23	Average of column (b) through column (f)
24	Line 21 divided by line 23
24	Line 21 greater than zero, line 22, if not, zero
25	Docket No. 4323
26	Line 24 times line 25

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. _____
Pension Adjustment Mechanism Filing
Schedule WRR-2
September 1, 2015
Page 5 of 8

The Narragansett Electric Company
d/b/a National Grid
Docket No. 4518
Revised Schedule WRR-1
August 6, 2014
Page 5 of 8

Narragansett Electric - Electric Operations
Estimated Pension Expense 2013
Fiscal Year Ended March 31, 2013

	(a)	(b)	(c)	(d)	(e)	(a)+(b)+(c)+(d)+(e) (f)
	Company Direct	KeySpan Service Company	FAS87 Costs KeySpan Utility Company	National Grid USA Service Company	Other	Total
1 Actuarial Pension Total Cost	\$8,045,470	\$64,694,423	\$4,910,580	\$48,298,473		
2 Percentage Charged to Company- Total	<u>100.00%</u>	<u>1.56%</u>	<u>0.58%</u>	<u>10.43%</u>		
3 Net Actuarial Charges to Company	\$8,045,470	\$1,009,233	\$28,481	\$5,037,531		
4						
5 Capital Percentage Charged to Company Labor	<u>41.36%</u>	<u>2.89%</u>	<u>0.00%</u>	<u>37.16%</u>		
6 Total Actuarial Company FAS 87 Costs to Capital	\$3,327,606	\$29,167	\$0	\$1,871,946		\$5,228,720
7						
8 O & M Percentage Charged to Company Labor	<u>58.64%</u>	<u>97.11%</u>	<u>100.00%</u>	<u>62.84%</u>		
9 Total Actuarial Company FAS 87 Costs to O&M	\$4,717,864	\$980,066	\$28,481	\$3,165,584	\$0	\$8,891,995
10						
11 Total Actuarial Company FAS 87 Costs to O&M prorated for 2 months						\$1,481,999
12						
13						
14						
15						

(g)
FY 2013
<u>Company Direct</u>
FAS 87 Cost per Hewitt \$11,811,836
Fair Value Amortization (\$3,766,366)
Company Direct Total Pension Cost \$8,045,470
FY 2013
<u>KeySpan Corporate Services</u>
FAS 87 Cost per Hewitt \$64,694,423
Fair Value Amortization \$0
KeySpan Corporate Services Total Pension Cost \$64,694,423
FY 2013
<u>KeySpan Utility Company</u>
FAS 87 Cost per Hewitt \$4,910,580
Fair Value Amortization \$0
KeySpan Utility Serv Co. Total Pension Cost \$4,910,580
FY 2013
<u>National Grid USA Service Company</u>
FAS 87 Cost per Hewitt \$57,636,464
Fair Value Amortization (\$9,337,991)
National Grid Service Company Total Pension Cost \$48,298,473

Line Notes

- 1(a) Line 21(g)
- 1(b) Line 28(g)
- 1(c) Line 35(g)
- 1(d) Line 42(g)
- 2 Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71, line 21
- 5 100% - Line 8
- 6 Line 3 times Line 5
- 8 Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71, line 22
- 9 Line 3 times Line 8
- 11 Line 9(f) divided by 12 times 2
- 19 2013 Actuary Report
- 20 From Company Books
- 21 Line 19 plus line 20
- 26 2013 Actuary Report
- 27 From Company Books
- 28 Line 26 plus line 27
- 33 2013 Actuary Report
- 34 From Company Books
- 35 Line 33 plus line 34
- 40 2013 Actuary Report
- 41 From Company Books
- 42 Line 40 plus line 41

The Narragansett Electric Company
d/b/a National Grid
Docket No. 4518
Revised Schedule WRR-1
August 6, 2014
Page 6 of 8

Narragansett Electric - Electric Operations
Estimated Other Post Employment Benefits (OPEB) Expense 2013
Fiscal Year Ended March 31, 2013

	(a)	(b)	(c)	(d)	(e)	(f)
			FAS106 Costs			
	Company Direct	KeySpan Service Company	KeySpan Utility Company	National Grid USA Service Company	Other	Total
1 Actuarial OPEB Total Cost	\$6,398,267	\$41,478,830	\$3,324,901	\$22,887,264		
2 Percentage Charged to Company- Total	100.00%	1.56%	0.58%	10.43%		
3 Net Actuarial Charges to Company	\$6,398,267	\$647,070	\$19,284	\$2,387,142		
4						
5 Capital Percentage Charged to Company Labor	41.36%	2.89%	0.00%	37.16%		
6 Total Actuarial Company FAS 106 Costs to Capital	\$2,646,323	\$18,700	\$0	\$887,062		\$3,552,085
7						
8 O & M Percentage Charged to Company Labor	58.64%	97.11%	100.00%	62.84%		
9 Total Company Rate Year FAS 106 Costs to O&M	\$3,751,944	\$628,369	\$19,284	\$1,500,080	\$0	\$5,899,677
10						
11 Total Company Rate Year FAS 106 Costs to O&M prorated for 2 months						\$983,279
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Line Notes

- 1(a) Line 19
1(b) Line 26
1(c) Line 33
1(d) Line 40
2 Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 34 of 71, line 22
5 100% - Line 8
6 Line 3 times Line 5
8 Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 34 of 71, line 23
9 Line 3 times Line 8
11 Line 9(f) divided by 12 times 2
17 2014 Actuary Report
18 From Company Books
19 Line 17 plus line 18
24 2014 Actuary Report
25 From Company Books
26 Line 24 plus line 25
31 2014 Actuary Report
32 From Company Books
33 Line 31 plus line 32
38 2014 Actuary Report
39 From Company Books
40 Line 38 plus line 39

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. _____
Pension Adjustment Mechanism Filing
Schedule WRR-2
September 1, 2015
Page 7 of 8

The Narragansett Electric Company
d/b/a National Grid
Docket No. 4518
Revised Schedule WRR-1
August 6, 2014
Page 7 of 8

**Narragansett Electric - Electric Operations
Estimated Pension Expense 2014
Fiscal Year Ended March 31, 2014**

	(a)	(b)	(c)	(d)	(e)	(a)+(b)+(c)+(d)+(e) (f)
	Company Direct	KeySpan Service Company	FAS87 Costs KeySpan Utility Company	National Grid USA Service Company	Other	Total
1 Actuarial Pension Total Cost	\$6,977,624	\$60,216,595	\$2,666,616	\$47,803,863		
2 Percentage Charged to Company- Total	100.00%	1.56%	0.58%	10.43%		
3 Net Actuarial Charges to Company	\$6,977,624	\$939,379	\$15,466	\$4,985,943		
4						
5 Capital Percentage Charged to Company Labor	41.36%	2.89%	0.00%	37.16%		
6 Total Actuarial Company FAS 87 Costs to Capital	\$2,885,945	\$27,148	\$0	\$1,852,776		\$4,765,870
7						
8 O & M Percentage Charged to Company Labor	58.64%	97.11%	100.00%	62.84%		
9 Total Actuarial Company FAS 87 Costs to O&M	\$4,091,679	\$912,231	\$15,466	\$3,133,167	\$0	\$8,152,543
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Line Notes

- 1(a) Line 19(g)
- 1(b) Line 26(g)
- 1(c) Line 33(g)
- 1(d) Line 40(g)
- 2 Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71, line 21
- 5 100% - Line 8
- 6 Line 3 times Line 5
- 8 Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 35 of 71, line 22
- 9 Line 3 times Line 8
- 17 2014 Actuary Report
- 18 From Company Books
- 19 Line 17 plus line 18
- 24 2014 Actuary Report
- 25 From Company Books
- 26 Line 24 plus line 25
- 31 2014 Actuary Report
- 32 From Company Books
- 33 Line 31 plus line 32
- 38 2014 Actuary Report
- 39 From Company Books
- 40 Line 38 plus line 39

Narragansett Electric - Electric Operations
Estimated Other Post Employment Benefits (OPEB) Expense 2014
Fiscal Year Ended March 31, 2014

	(a)	(b)	(c)	(d)	(e)	(f)
			FAS106 Costs			
	Company Direct	KeySpan Service Company	KeySpan Utility Company	National Grid USA Service Company	Other	Total
1	Actuarial OPEB Total Cost	\$1,585,779	\$35,475,445	\$1,977,937	\$17,793,826	
2	Percentage Charged to Company- Total	100.00%	1.56%	0.58%	10.43%	
3	Net Actuarial Charges to Company	\$1,585,779	\$553,417	\$11,472	\$1,855,896	
4						
5	Capital Percentage Charged to Company Labor	41.36%	2.89%	0.00%	37.16%	
6	Total Actuarial Company FAS 106 Costs to Capital	\$655,878	\$15,994	\$0	\$689,651	\$1,361,523
7						
8	O & M Percentage Charged to Company Labor	58.64%	97.11%	100.00%	62.84%	
9	Total Company Rate Year FAS 106 Costs to O&M	\$929,901	\$537,423	\$11,472	\$1,166,245	\$2,645,041
10						
11						
12						
13						

	(g)
	FY
	2014
16	Company Direct
17	FAS 106 Cost per Hewitt \$4,355,605
18	Fair Value Amortization (\$2,769,826)
19	Company Direct Total OPEB Cost \$1,585,779
20	
21	FY
22	2014
23	KeySpan Corporate Services
24	FAS 106 Cost per Hewitt \$35,475,445
25	Fair Value Amortization \$0
26	KeySpan Corporate Services Total OPEB Cost \$35,475,445
27	
28	FY
29	2014
30	KeySpan Utility Services
31	FAS 106 Cost per Hewitt \$1,977,937
32	Fair Value Amortization \$0
33	KeySpan Utility Services Total OPEB Cost \$1,977,937
34	
35	FY
36	2014
37	National Grid USA Service Company
38	FAS 106 Cost per Hewitt \$19,945,166
39	Fair Value Amortization (\$2,151,340)
40	National Grid Service Company Total OPEB Cost \$17,793,826

Line Notes

- 1(a) Line 19
- 1(b) Line 26
- 1(c) Line 33
- 1(d) Line 40
- 2 Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 34 of 71, line 22
- 5 100% - Line 8
- 6 Line 3 times Line 5
- 8 Docket No. 4323 Compliance Attachment 1 Schedule MDL-3-ELEC page 34 of 71, line 23
- 9 Line 3 times Line 8
- 17 2014 Actuary Report
- 18 From Company Books
- 19 Line 17 plus line 18
- 24 2014 Actuary Report
- 25 From Company Books
- 26 Line 24 plus line 25
- 31 2014 Actuary Report
- 32 From Company Books
- 33 Line 31 plus line 32
- 38 2014 Actuary Report
- 39 From Company Books
- 40 Line 38 plus line 39

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. _____
Pension Adjustment Mechanism Filing
Schedule WRR-3
September 1, 2015
Page 1 of 1

Calculation of Pension/PBOP Adjustment Factor

(1) Pension Prior Year Regulatory Expense Reconciliation	\$623,723
(2) PBOP Prior Year Regulatory Expense Reconciliation	(\$503,518)
(3) Pension Current Year Regulatory Expense Reconciliation	\$2,080,451
(4) PBOP Current Year Regulatory Expense Reconciliation	(\$17,850)
(5) Pension Funding Carrying Charge	\$0
(6) <u>PBOP Funding Carrying Charge</u>	<u>\$0</u>
(7) Pension/PBOP Under-Recovery Amount	\$2,182,806
(8) Forecasted kWhs - October 1, 2015 through September 30, 2016	<u>7,708,165,416</u>
(9) Proposed Pension/PBOF Adjustment Factor for October 1, 2015	\$0.00028

Line Descriptions:

- (1) per Schedule WRR-1 Page 1 Line (12)
- (2) per Schedule WRR-1 Page 2 Line (12)
- (3) per Schedule WRR-1 Page 1 Line (11)
- (4) per Schedule WRR-1 Page 2 Line (11)
- (5) per Schedule WRR-1 Page 1 Line (14)
- (6) per Schedule WRR-1 Page 2 Line (14)
- (7) Line (1) + Line (2) + Line (3) + Line (4) + Line (5) + Line (6)
- (8) per Company forecast
- (9) Line (7) ÷ Line (8), truncated to 5 decimal places

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

Monthly kWh	Present Rates			Proposed Rates			Increase/(Decrease)		Percentage of Customers
	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total	
150	\$34.01	\$16.26	\$17.75	\$34.06	\$16.26	\$17.80	\$0.05	0.1%	13.7%
300	\$61.88	\$32.52	\$29.36	\$61.97	\$32.52	\$29.45	\$0.09	0.1%	17.5%
400	\$80.44	\$43.35	\$37.09	\$80.56	\$43.35	\$37.21	\$0.12	0.1%	11.8%
500	\$99.02	\$54.19	\$44.83	\$99.17	\$54.19	\$44.98	\$0.15	0.2%	10.8%
600	\$117.59	\$65.03	\$52.56	\$117.77	\$65.03	\$52.74	\$0.18	0.2%	9.4%
700	\$136.17	\$75.87	\$60.30	\$136.38	\$75.87	\$60.51	\$0.21	0.2%	7.7%
1,200	\$229.04	\$130.06	\$98.98	\$229.40	\$130.06	\$99.34	\$0.36	0.2%	15.0%
2,000	\$377.65	\$216.77	\$160.88	\$378.23	\$216.77	\$161.46	\$0.58	0.2%	14.1%

Present Rates

Customer Charge		\$5.00
RE Growth Factor		\$0.17
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02348
Distribution Energy Charge (1)	kWh x	\$0.04065
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.10405

Proposed Rates

Customer Charge		\$5.00
RE Growth Factor		\$0.17
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02348
Distribution Energy Charge (2)	kWh x	\$0.04093
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.10405

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.028¢/kWh

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

Monthly kWh	Present Rates			Proposed Rates			Increase/(Decrease)		Percentage of Customers
	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total	
150	\$26.70	\$16.26	\$10.44	\$26.74	\$16.26	\$10.48	\$0.04	0.1%	10.7%
300	\$52.46	\$32.52	\$19.94	\$52.55	\$32.52	\$20.03	\$0.09	0.2%	23.2%
400	\$69.62	\$43.35	\$26.27	\$69.74	\$43.35	\$26.39	\$0.12	0.2%	14.9%
500	\$86.79	\$54.19	\$32.60	\$86.94	\$54.19	\$32.75	\$0.15	0.2%	12.2%
600	\$103.97	\$65.03	\$38.94	\$104.15	\$65.03	\$39.12	\$0.18	0.2%	9.6%
700	\$121.14	\$75.87	\$45.27	\$121.35	\$75.87	\$45.48	\$0.21	0.2%	7.3%
1,200	\$207.00	\$130.06	\$76.94	\$207.35	\$130.06	\$77.29	\$0.35	0.2%	12.3%
2,000	\$344.37	\$216.77	\$127.60	\$344.96	\$216.77	\$128.19	\$0.59	0.2%	9.8%

Present Rates

Customer Charge		\$0.00
RE Growth Factor		\$0.17
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02348
Distribution Energy Charge (1)	kWh x	\$0.02718
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.10405

Proposed Rates

Customer Charge		\$0.00
RE Growth Factor		\$0.17
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02348
Distribution Energy Charge (2)	kWh x	\$0.02746
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.10405

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.028¢/kWh

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

Monthly kWh	Present Rates			Proposed Rates			Increase/(Decrease)		Percentage of Customers
	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total	
250	\$52.44	\$23.40	\$29.04	\$52.51	\$23.40	\$29.11	\$0.07	0.1%	35.2%
500	\$93.43	\$46.80	\$46.63	\$93.57	\$46.80	\$46.77	\$0.14	0.1%	17.0%
1,000	\$175.39	\$93.59	\$81.80	\$175.68	\$93.59	\$82.09	\$0.29	0.2%	19.0%
1,500	\$257.37	\$140.39	\$116.98	\$257.81	\$140.39	\$117.42	\$0.44	0.2%	9.8%
2,000	\$339.35	\$187.19	\$152.16	\$339.93	\$187.19	\$152.74	\$0.58	0.2%	19.1%

Present Rates

Customer Charge		\$10.00
RE Growth Factor		\$0.26
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02072
Distribution Energy Charge (1)	kWh x	\$0.03668
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.08985

Proposed Rates

Customer Charge		\$10.00
RE Growth Factor		\$0.26
LIHEAP Charge		\$0.73
Transmission Energy Charge	kWh x	\$0.02072
Distribution Energy Charge (2)	kWh x	\$0.03696
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.08985

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.028¢/kWh

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

Hours Use: 200

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
20	4,000	\$743.85	\$374.38	\$369.47	\$745.01	\$374.38	\$370.63	\$1.16	0.2%
50	10,000	\$1,725.41	\$935.94	\$789.47	\$1,728.32	\$935.94	\$792.38	\$2.91	0.2%
100	20,000	\$3,361.35	\$1,871.88	\$1,489.47	\$3,367.18	\$1,871.88	\$1,495.30	\$5.83	0.2%
150	30,000	\$4,997.28	\$2,807.81	\$2,189.47	\$5,006.03	\$2,807.81	\$2,198.22	\$8.75	0.2%

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge (1)	kWh x	\$0.00687
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.08985

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge (2)	kWh x	\$0.00715
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.08985

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.028¢/kWh

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

Hours Use: 300

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
20	6,000	\$985.09	\$561.56	\$423.53	\$986.84	\$561.56	\$425.28	\$1.75	0.2%
50	15,000	\$2,328.54	\$1,403.91	\$924.63	\$2,332.91	\$1,403.91	\$929.00	\$4.37	0.2%
100	30,000	\$4,567.59	\$2,807.81	\$1,759.78	\$4,576.34	\$2,807.81	\$1,768.53	\$8.75	0.2%
150	45,000	\$6,806.66	\$4,211.72	\$2,594.94	\$6,819.78	\$4,211.72	\$2,608.06	\$13.12	0.2%

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge (1)	kWh x	\$0.00687
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232

Gross Earnings Tax 4.00%

Standard Offer Charge kWh x \$0.08985

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge (2)	kWh x	\$0.00715
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232

Gross Earnings Tax 4.00%

Standard Offer Charge kWh x \$0.08985

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.028¢/kWh

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

Hours Use: 400

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
20	8,000	\$1,226.34	\$748.75	\$477.59	\$1,228.67	\$748.75	\$479.92	\$2.33	0.2%
50	20,000	\$2,931.66	\$1,871.88	\$1,059.78	\$2,937.49	\$1,871.88	\$1,065.61	\$5.83	0.2%
100	40,000	\$5,773.84	\$3,743.75	\$2,030.09	\$5,785.51	\$3,743.75	\$2,041.76	\$11.67	0.2%
150	60,000	\$8,616.04	\$5,615.63	\$3,000.41	\$8,633.53	\$5,615.63	\$3,017.90	\$17.49	0.2%

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge (1)	kWh x	\$0.00687
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232

Gross Earnings Tax 4.00%

Standard Offer Charge kWh x \$0.08985

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge (2)	kWh x	\$0.00715
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232

Gross Earnings Tax 4.00%

Standard Offer Charge kWh x \$0.08985

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.028¢/kWh

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

Hours Use: 500

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
20	10,000	\$1,467.60	\$935.94	\$531.66	\$1,470.51	\$935.94	\$534.57	\$2.91	0.2%
50	25,000	\$3,534.78	\$2,339.84	\$1,194.94	\$3,542.07	\$2,339.84	\$1,202.23	\$7.29	0.2%
100	50,000	\$6,980.10	\$4,679.69	\$2,300.41	\$6,994.68	\$4,679.69	\$2,314.99	\$14.58	0.2%
150	75,000	\$10,425.41	\$7,019.53	\$3,405.88	\$10,447.28	\$7,019.53	\$3,427.75	\$21.87	0.2%

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge (1)	kWh x	\$0.00687
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.08985

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge (2)	kWh x	\$0.00715
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.08985

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.028¢/kWh

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

Hours Use: 600

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
20	12,000	\$1,708.85	\$1,123.13	\$585.72	\$1,712.35	\$1,123.13	\$589.22	\$3.50	0.2%
50	30,000	\$4,137.90	\$2,807.81	\$1,330.09	\$4,146.65	\$2,807.81	\$1,338.84	\$8.75	0.2%
100	60,000	\$8,186.35	\$5,615.63	\$2,570.72	\$8,203.85	\$5,615.63	\$2,588.22	\$17.50	0.2%
150	90,000	\$12,234.78	\$8,423.44	\$3,811.34	\$12,261.03	\$8,423.44	\$3,837.59	\$26.25	0.2%

Present Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge (1)	kWh x	\$0.00687
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.08985

Proposed Rates

Customer Charge		\$135.00
RE Growth Factor		\$2.46
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.02
Transmission Energy Charge	kWh x	\$0.00894
Distribution Demand Charge-xcs 10 kW	kW x	\$5.23
Distribution Energy Charge (2)	kWh x	\$0.00715
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.08985

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.028¢/kWh

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

Hours Use: 200

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
200	40,000	\$5,382.83	\$2,686.67	\$2,696.16	\$5,394.49	\$2,686.67	\$2,707.82	\$11.66	0.2%
750	150,000	\$20,118.24	\$10,075.00	\$10,043.24	\$20,161.99	\$10,075.00	\$10,086.99	\$43.75	0.2%
1,000	200,000	\$26,816.15	\$13,433.33	\$13,382.82	\$26,874.49	\$13,433.33	\$13,441.16	\$58.34	0.2%
1,500	300,000	\$40,211.99	\$20,150.00	\$20,061.99	\$40,299.49	\$20,150.00	\$20,149.49	\$87.50	0.2%
2,500	500,000	\$67,003.65	\$33,583.33	\$33,420.32	\$67,149.49	\$33,583.33	\$33,566.16	\$145.84	0.2%

Present Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge (1)	kWh x	\$0.00718
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge (2)	kWh x	\$0.00746
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kW x	\$0.00232
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.028¢/kWh

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

Hours Use: 300

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
200	60,000	\$7,280.74	\$4,030.00	\$3,250.74	\$7,298.24	\$4,030.00	\$3,268.24	\$17.50	0.2%
750	225,000	\$27,235.43	\$15,112.50	\$12,122.93	\$27,301.05	\$15,112.50	\$12,188.55	\$65.62	0.2%
1,000	300,000	\$36,305.74	\$20,150.00	\$16,155.74	\$36,393.24	\$20,150.00	\$16,243.24	\$87.50	0.2%
1,500	450,000	\$54,446.36	\$30,225.00	\$24,221.36	\$54,577.61	\$30,225.00	\$24,352.61	\$131.25	0.2%
2,500	750,000	\$90,727.61	\$50,375.00	\$40,352.61	\$90,946.36	\$50,375.00	\$40,571.36	\$218.75	0.2%

Present Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge (1)	kWh x	\$0.00718
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge (2)	kWh x	\$0.00746
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.028¢/kWh

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

Hours Use: 400

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
200	80,000	\$9,178.65	\$5,373.33	\$3,805.32	\$9,201.99	\$5,373.33	\$3,828.66	\$23.34	0.3%
750	300,000	\$34,352.61	\$20,150.00	\$14,202.61	\$34,440.11	\$20,150.00	\$14,290.11	\$87.50	0.3%
1,000	400,000	\$45,795.33	\$26,866.67	\$18,928.66	\$45,911.99	\$26,866.67	\$19,045.32	\$116.66	0.3%
1,500	600,000	\$68,680.74	\$40,300.00	\$28,380.74	\$68,855.74	\$40,300.00	\$28,555.74	\$175.00	0.3%
2,500	1,000,000	\$114,451.58	\$67,166.67	\$47,284.91	\$114,743.24	\$67,166.67	\$47,576.57	\$291.66	0.3%

Present Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge (1)	kWh x	\$0.00718
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge (2)	kWh x	\$0.00746
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.028¢/kWh

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

Hours Use: 500

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
200	100,000	\$11,076.58	\$6,716.67	\$4,359.91	\$11,105.74	\$6,716.67	\$4,389.07	\$29.16	0.3%
750	375,000	\$41,469.80	\$25,187.50	\$16,282.30	\$41,579.18	\$25,187.50	\$16,391.68	\$109.38	0.3%
1,000	500,000	\$55,284.90	\$33,583.33	\$21,701.57	\$55,430.74	\$33,583.33	\$21,847.41	\$145.84	0.3%
1,500	750,000	\$82,915.11	\$50,375.00	\$32,540.11	\$83,133.86	\$50,375.00	\$32,758.86	\$218.75	0.3%
2,500	1,250,000	\$138,175.53	\$83,958.33	\$54,217.20	\$138,540.11	\$83,958.33	\$54,581.78	\$364.58	0.3%

Present Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge (1)	kWh x	\$0.00718
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge (2)	kWh x	\$0.00746
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.028¢/kWh

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

Hours Use: 600

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
200	120,000	\$12,974.49	\$8,060.00	\$4,914.49	\$13,009.49	\$8,060.00	\$4,949.49	\$35.00	0.3%
750	450,000	\$48,586.99	\$30,225.00	\$18,361.99	\$48,718.24	\$30,225.00	\$18,493.24	\$131.25	0.3%
1,000	600,000	\$64,774.49	\$40,300.00	\$24,474.49	\$64,949.49	\$40,300.00	\$24,649.49	\$175.00	0.3%
1,500	900,000	\$97,149.49	\$60,450.00	\$36,699.49	\$97,411.99	\$60,450.00	\$36,961.99	\$262.50	0.3%
2,500	1,500,000	\$161,899.49	\$100,750.00	\$61,149.49	\$162,336.99	\$100,750.00	\$61,586.99	\$437.50	0.3%

Present Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge (1)	kWh x	\$0.00718
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Proposed Rates

Customer Charge		\$825.00
RE Growth Factor		\$17.78
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.40
Transmission Energy Charge	kWh x	\$0.00930
Distribution Demand Charge - > 200 kW	kW x	\$4.10
Distribution Energy Charge (2)	kWh x	\$0.00746
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.028¢/kWh

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

Hours Use: 200

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	600,000	\$94,108.13	\$40,300.00	\$53,808.13	\$94,283.12	\$40,300.00	\$53,983.12	\$174.99	0.2%
5,000	1,000,000	\$144,799.80	\$67,166.67	\$77,633.13	\$145,091.46	\$67,166.67	\$77,924.79	\$291.66	0.2%
7,500	1,500,000	\$208,164.38	\$100,750.00	\$107,414.38	\$208,601.87	\$100,750.00	\$107,851.87	\$437.49	0.2%
10,000	2,000,000	\$271,528.96	\$134,333.33	\$137,195.63	\$272,112.29	\$134,333.33	\$137,778.96	\$583.33	0.2%
20,000	4,000,000	\$524,987.30	\$268,666.67	\$256,320.63	\$526,153.96	\$268,666.67	\$257,487.29	\$1,166.66	0.2%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge (1)	kWh x	\$0.00077
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.06448

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge (2)	kWh x	\$0.00105
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kW x	\$0.00232

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.06448

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.028¢/kWh

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

Hours Use: 300

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	900,000	\$121,564.38	\$60,450.00	\$61,114.38	\$121,826.87	\$60,450.00	\$61,376.87	\$262.49	0.2%
5,000	1,500,000	\$190,560.21	\$100,750.00	\$89,810.21	\$190,997.71	\$100,750.00	\$90,247.71	\$437.50	0.2%
7,500	2,250,000	\$276,805.00	\$151,125.00	\$125,680.00	\$277,461.25	\$151,125.00	\$126,336.25	\$656.25	0.2%
10,000	3,000,000	\$363,049.79	\$201,500.00	\$161,549.79	\$363,924.79	\$201,500.00	\$162,424.79	\$875.00	0.2%
20,000	6,000,000	\$708,028.96	\$403,000.00	\$305,028.96	\$709,778.96	\$403,000.00	\$306,778.96	\$1,750.00	0.2%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge (1)	kWh x	\$0.00077
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge (2)	kWh x	\$0.00105
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kW x	\$0.00232
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.06448

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.028¢/kWh

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

Hours Use: 400

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	1,200,000	\$149,020.63	\$80,600.00	\$68,420.63	\$149,370.62	\$80,600.00	\$68,770.62	\$349.99	0.2%
5,000	2,000,000	\$236,320.62	\$134,333.33	\$101,987.29	\$236,903.95	\$134,333.33	\$102,570.62	\$583.33	0.2%
7,500	3,000,000	\$345,445.63	\$201,500.00	\$143,945.63	\$346,320.62	\$201,500.00	\$144,820.62	\$874.99	0.3%
10,000	4,000,000	\$454,570.63	\$268,666.67	\$185,903.96	\$455,737.29	\$268,666.67	\$187,070.62	\$1,166.66	0.3%
20,000	8,000,000	\$891,070.62	\$537,333.33	\$353,737.29	\$893,403.95	\$537,333.33	\$356,070.62	\$2,333.33	0.3%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge (1)	kWh x	\$0.00077
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.06448

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge (2)	kWh x	\$0.00105
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kW x	\$0.00232

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.06448

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.028¢/kWh

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

Hours Use: 500

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	1,500,000	\$176,476.88	\$100,750.00	\$75,726.88	\$176,914.37	\$100,750.00	\$76,164.37	\$437.49	0.2%
5,000	2,500,000	\$282,081.05	\$167,916.67	\$114,164.38	\$282,810.21	\$167,916.67	\$114,893.54	\$729.16	0.3%
7,500	3,750,000	\$414,086.25	\$251,875.00	\$162,211.25	\$415,180.00	\$251,875.00	\$163,305.00	\$1,093.75	0.3%
10,000	5,000,000	\$546,091.46	\$335,833.33	\$210,258.13	\$547,549.79	\$335,833.33	\$211,716.46	\$1,458.33	0.3%
20,000	10,000,000	\$1,074,112.30	\$671,666.67	\$402,445.63	\$1,077,028.96	\$671,666.67	\$405,362.29	\$2,916.66	0.3%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge (1)	kWh x	\$0.00077
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.06448

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge (2)	kWh x	\$0.00105
Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.06448

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.028¢/kWh

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

Hours Use: 600

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	1,800,000	\$203,933.13	\$120,900.00	\$83,033.13	\$204,458.12	\$120,900.00	\$83,558.12	\$524.99	0.3%
5,000	3,000,000	\$327,841.46	\$201,500.00	\$126,341.46	\$328,716.46	\$201,500.00	\$127,216.46	\$875.00	0.3%
7,500	4,500,000	\$482,726.88	\$302,250.00	\$180,476.88	\$484,039.37	\$302,250.00	\$181,789.37	\$1,312.49	0.3%
10,000	6,000,000	\$637,612.29	\$403,000.00	\$234,612.29	\$639,362.29	\$403,000.00	\$236,362.29	\$1,750.00	0.3%
20,000	12,000,000	\$1,257,153.96	\$806,000.00	\$451,153.96	\$1,260,653.96	\$806,000.00	\$454,653.96	\$3,500.00	0.3%

Present Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Transmission Demand Charge	kW x	\$3.22
Transmission Energy Charge	kWh x	\$0.01247
Distribution Demand Charge	kW x	\$3.54
Distribution Energy Charge (1)	kWh x	\$0.00077
Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kWh x	\$0.00232

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.06448

Proposed Rates

Customer Charge		\$17,000.00
RE Growth Factor		\$347.07
LIHEAP Charge		\$0.73
Proposed Transmission Demand Charge	kW x	\$3.22
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Proposed Transition Energy Charge	kWh x	(\$0.00201)
Energy Efficiency Program Charge	kWh x	\$0.00983
Renewable Energy Distribution Charge	kW x	\$0.00232

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.06448

Note (1): includes the current Pension Adjustment Factor of 0.000¢/kWh

Note (2): includes the proposed Pension Adjustment Factor of 0.028¢/kWh