

November 22, 2013

VIA HAND DELIVERY & ELECTRONIC MAIL

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

**RE: Docket 4451 – The Narragansett Electric Company, d/b/a National Grid
2014 Energy Efficiency Program Plan
Supplemental Filing**

Dear Ms. Massaro:

Enclosed are ten (10) copies of revised electric tables identified as Attachment 4-Revised of National Grid's¹ proposed Energy Efficiency Program Plan for 2014 (the "2014 Plan" or "Plan") that the Company filed with the Commission on November 1, 2013. Following the November 1 filing, the Company determined that the electric forecast that the Company had used in calculating the electric Energy Efficiency Program ("EEP") charge was inconsistent with the forecast that the Company had used in other recent regulatory proceedings. In addition, the Company noted that it had omitted the uncollectible gross-up in the calculation of the electric EEP charge. The Company has revised the electric forecast and included the appropriate uncollectible gross-up adjustment in Attachment 4-Revised to reflect an accurate calculation of the electric EEP charge that would be assessed to customers and is submitting Attachment 4-Revised to the Commission for its approval.

The Company also noted that it had not updated the uncollectible gross-up in the calculation of the gas EEP charge. In addition, the Company determined that the gas sales forecast used to calculate the gas EEP charge in Attachment 5 of the Plan was also inconsistent with the forecasts used in other regulatory proceedings. Accordingly, the Company is in the process of revising Attachment 5 of the Plan to correct the original forecast and reflect the current uncollectible rate in the gas EEP charge. Part of that process has included working with the settlement parties to reach an agreement on the appropriate funding levels for the gas programs in light of the Company's revisions. Therefore, the Company will file a revised Attachment 5 with the Commission as soon as the tables are finalized.

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

A summary of the changes contained in Attachment 4-Revised (Tables E-1 through E-10) is as follows:

- The Company corrected the electric sales projection in Table E-1 to include savings from expected energy efficiency. This is consistent with the sales forecast that the Company has used in its other regulatory filings. The original Table E-1 did not reflect reduced deliveries as a result of energy efficiency, which resulted in the Company presenting a higher forecast than what the Company has been using in its other filings for the purpose of calculating various rates and factors filed with the Commission for approval. The revision reduces the forecast by 0.06%.
- To maintain the electric EEP charge of \$0.00896/kWh, as proposed in the Company's November 1 filing, the Company reduced the electric budget in its original proposal by \$414,200, which is shown in Tables E-2, E-3, and E-4. Thus, in this supplemental filing, the Company is proposing a total electric budget of \$87.1 million (compared to \$87.5 million in the November 1 filing), as shown in Table E-1. In addition, as a result of the revised budget, the benefit-cost ratio increased from 3.13 to 3.15, as shown in Table E-5.
- The Company has reflected the gross-up for the uncollectible rate of 1.25%, the rate approved by the Commission in the Company's last general rate case, Docket 4323. As part of this calculation, the Company has included the system reliability factor in Table E-1, as these two components of the electric EEP charge are subject to the uncollectible gross-up, to ensure that the uncollectible gross-up is calculated accurately and consistently across the two components. The total electric EEP charge that will appear on customers' bills consists of the base EEP charge and the system reliability factor as adjusted by the uncollectible rate, plus the statutory renewables charge. The combined net impact on the typical residential Standard Offer Service customer using 500 kWh per month is an increase of \$0.18 or 0.2%. Schedule 1 to this letter illustrates the bill impact of the Company's proposed electric EEP charge on the Company's rate classes.
- The reduction in the electric budget will not result in any change to the savings targets, and the Company is proposing to maintain the same level of services for 2014, as described in its November 1 filing.
- The above changes impact Tables E-1 through E-5; however, for the sake of completeness, the Company has included a full set of electric tables.

The Company believes it is necessary to correct the electric EEP charge in this supplemental filing and to revise its electric budget accordingly in order to balance the concerns of the parties regarding the funding levels for this year's Plan. The Company apologizes to the Commission for any inconvenience that may have been caused as a result of the errors in the

original forecast, and the Company has taken steps to mitigate this occurrence in the future. The Company believes, however, that the electric programs, as revised in this supplemental filing, still meet the objectives of all parties and will provide a stable delivery of energy efficiency services to its customers, notwithstanding the slight reduction in the electric budget compared to the original proposal. The Company has consulted with the settlement parties (i.e. the Division of Public Utilities and Carriers, the Rhode Island Energy Efficiency and Resources Management Council, Environment Northeast, and The Energy Council of Rhode Island), and, except for The Energy Council of Rhode Island (“TEC-RI”), they have each indicated their support for and approval of Attachment 4-Revised.²

The Company respectfully requests that the Commission approve the 2014 Plan, as revised in this supplemental filing.

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

Very truly yours,



Jennifer Brooks Hutchinson

cc: Docket 4451 Service List
Karen Lyons, Esq.
Jon Hagopian, Esq.
Steve Scialabba, Division

² Based on discussions with TEC-RI, the Company has reason to believe that they will support Attachment 4-Revised; however, as of the date of this filing, final confirmation of their approval was still pending.

Table E-1
National Grid
Electric DSM Funding Sources in 2014 by Sector
\$(000)

	<u>Projections by Sector</u>			Total
	Income Eligible Residential	Non-Income Eligible Residential	Commercial & Industrial	
(1) Projected Budget (from E-2):	\$9,915.2	\$26,093.3	\$51,041.6	\$87,050.1
Sources of Other Funding:				
(2) Projected DSM Commitments at Year-End 2013:	\$0.0	\$0.0	\$7,000.0	\$7,000.0
(3) Projected Year-End 2013 Fund Balance and Interest:	\$0.0	\$2,182.9	\$2,456.6	\$4,639.5
(4) Projected FCM Payments from ISO-NE:	\$189.3	\$1,729.0	\$2,690.6	\$4,608.8
(5) Projected RGGI Payments:	\$0.0	\$800.0	\$0.0	\$800.0
(6) Total Other Funding:	\$189.3	\$4,711.9	\$12,147.2	\$17,048.3
(7) Customer Funding Required:	\$9,725.9	\$21,381.3	\$38,894.4	\$70,001.7
(8) Forecasted kWh Sales:	320,502,966	2,927,996,610	4,556,430,892	7,804,930,467
(9) Energy Efficiency Program charge per kWh, excluding uncollectible recovery:				\$0.00896
(10) Proposed System Reliability Factor per kWh, excluding uncollectible recovery:				<u>\$0.00004</u>
(11) Total Proposed Energy Efficiency Charge per kWh, excluding uncollectible recovery:				\$0.00900
(12) Currently Effective Uncollectible Rate				1.25%
(13) Energy Efficiency Program charge per kWh, including uncollectible recovery:				\$0.00911
(14) Currently Effective EE Charge				<u>\$0.00876</u>
(15) Proposed Adjustment to Reflect Fully Reconciling Funding Mechanism				\$0.00035

Notes:

- (1) Projected Budget from E-2 includes Regulatory costs allocated to each sector based on forecasted sales.
- (3) Fund balance projections include projected revenue and spend through year end with Low Income sector set to \$0 through projected subsidization from other sectors, minus commitments.
- (4) The total projection of FCM revenue is allocated by kWh sales to each sector.
- (8) Projected street lighting and sales for resale kWh have been allocated to each sector based on the forecasted of sales in each sector excluding expected street lighting sales.
- (10) Proposed System Reliability Factor is from the 2014 System Reliability Procurement Plan, Docket 4453.
- (14) Currently Effective EE Charge includes System Reliability Factor and uncollectible recovery.

Table E-2
National Grid
2014 Electric Energy Efficiency Program Budget (\$000)

	Program Planning & Administration	Marketing	Rebates and Other Customer Incentives	Sales, Technical Assistance & Training	Evaluation & Market Research	Shareholder Incentive	Grand Total
Non-Income Eligible Residential							
Residential New Construction	\$34.2	\$24.7	\$75.0	\$776.4	\$5.5		\$915.7
ENERGY STAR® HVAC	\$28.4	\$220.2	\$573.2	\$98.0	\$27.5		\$947.2
EnergyWise	\$148.5	\$286.3	\$4,365.0	\$1,648.6	\$13.5		\$6,461.9
EnergyWise Multifamily	\$31.6	\$51.4	\$2,039.0	\$297.8	\$0.8		\$2,420.7
ENERGY STAR® Lighting	\$122.4	\$569.9	\$6,140.0	\$557.4	\$83.4		\$7,473.2
ENERGY STAR® Appliances	\$48.9	\$524.9	\$687.0	\$1,165.3	\$3.2		\$2,429.2
Home Energy Reports	\$51.9	\$18.1	\$2,336.9	\$38.2	\$81.9		\$2,527.1
Energy Efficiency Educational Programs	\$0.0	\$0.0	\$0.0	\$50.7	\$0.0		\$50.7
Residential Products Pilot	\$14.8	\$16.9	\$142.9	\$74.2	\$35.3		\$284.1
Community Based Initiatives - Residential	\$10.6	\$0.4	\$15.0	\$200.4	\$37.8		\$264.2
Comprehensive Marketing - Residential ²	\$28.7	\$552.1	\$0.0	\$1.2	\$0.9		\$582.8
Residential Shareholder Incentive	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$1,217.8	\$1,217.8
Subtotal - Non-Income Eligible Residential	\$519.9	\$2,264.9	\$16,373.9	\$4,908.2	\$289.9	\$1,217.8	\$25,574.7
Income Eligible Residential							
Single Family - Income Eligible Services	\$145.1	\$18.7	\$5,370.4	\$1,672.9	\$85.6		\$7,292.6
Income Eligible Multifamily	\$38.8	\$10.9	\$1,745.7	\$297.0	\$4.0		\$2,096.3
Income Eligible Shareholder Incentive	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$469.4	\$469.4
Subtotal - Income Eligible Residential	\$183.8	\$29.6	\$7,116.1	\$1,969.9	\$89.6	\$469.4	\$9,858.4
Commercial & Industrial							
Large Commercial New Construction	\$255.9	\$288.1	\$5,551.7	\$1,715.2	\$212.5		\$8,023.5
Large Commercial Retrofit	\$489.6	\$220.2	\$21,897.2	\$2,611.1	\$272.2		\$25,490.3
Small Business Direct Install	\$313.9	\$265.8	\$11,023.5	\$1,042.2	\$161.8		\$12,807.2
Community Based Initiatives - C&I	\$3.0	\$0.1	\$0.0	\$38.4	\$12.9		\$54.4
Commercial Pilots	\$6.4	\$26.5	\$279.1	\$52.0	\$0.2		\$364.3
Comprehensive Marketing - C&I	\$11.2	\$126.4	\$0.0	\$12.6	\$0.3		\$150.6
Finance Costs	\$0.0	\$0.0	\$1,000.0	\$0.0	\$0.0		\$1,000.0
Commercial & Industrial Shareholder Incentive	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$2,344.5	\$2,344.5
Subtotal - Commercial & Industrial	\$1,080.0	\$927.2	\$39,751.5	\$5,471.6	\$659.8	\$2,344.5	\$50,234.7
Regulatory							
OER	\$565.6	\$0.0	\$0.0	\$0.0	\$0.0		\$565.6
EERMC	\$816.7	\$0.0	\$0.0	\$0.0	\$0.0		\$816.7
Subtotal - Regulatory	\$1,382.3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$1,382.3
Grand Total	\$3,166.1	\$3,221.6	\$63,241.5	\$12,349.7	\$1,039.4	\$4,031.8	\$87,050.1
Incremental System Reliability	\$74.0	\$75.0	\$116.7	\$13.5	\$120.0	\$0.0	\$399.2

Notes:

- (1) 2014 Commitments are anticipated to be \$0.
- (2) For more information on Finance Costs, please refer to the 2014 C&I Program Description, Attachment 2.
- (3) The Small Business Revolving loan fund supports the on-bill repayment of projects. The loan fund does not require additional funds for copays in 2014. Please see table E-10.
- (4) OER is 0.8% and EERMC is 1.2% of customers' EE Program Charge collected on Table E-1, minus 2%.
- (5) Incremental System Reliability funds are included for illustrative purposes. They are part of the 2014 System Reliability Procurement Report, filed as a separate docket.

Table E-3
National Grid
Derivation of the 2014 Spending and Implementation Budgets (\$000)

	Proposed 2014 Budget From E-2	Commitments, Copays and Finance Costs	Regulatory Costs	Shareholder Incentive	Evaluation Expenses	Eligible Sector Spending Budget for Shareholder Incentive on E-9	Implementation Expenses for Cost- Effectiveness on E-5
Non-Income Eligible Residential							
Residential New Construction	\$915.7				\$5.5		\$910.3
ENERGY STAR® HVAC	\$947.2				\$27.5		\$919.7
EnergyWise	\$6,461.9				\$13.5		\$6,448.4
EnergyWise Multifamily	\$2,420.7				\$0.8		\$2,419.8
ENERGY STAR® Lighting	\$7,473.2				\$83.4		\$7,389.7
ENERGY STAR® Appliances	\$2,429.2				\$3.2		\$2,426.0
Home Energy Reports	\$2,527.1				\$81.9		\$2,445.2
Energy Efficiency Educational Programs	\$50.7				\$0.0		\$50.7
Residential Products Pilot	\$284.1				\$35.3		\$248.8
Community Based Initiatives - Residential	\$264.2				\$37.8		\$226.4
Comprehensive Marketing - Residential2	\$582.8				\$0.9		\$581.9
Residential Shareholder Incentive	\$1,217.8			\$1,217.8			\$0.0
Subtotal - Non-Income Eligible Residential	\$25,574.7	\$0.0	\$0.0	\$1,217.8	\$289.9	\$24,356.8	\$24,066.9
Income Eligible Residential							
Single Family - Income Eligible Services	\$7,292.6				\$85.6		\$7,207.0
Income Eligible Multifamily	\$2,096.3				\$4.0		\$2,092.3
Income Eligible Shareholder Incentive	\$469.4			\$469.4			\$0.0
Subtotal - Income Eligible Residential	\$9,858.4	\$0.0	\$0.0	\$469.4	\$89.6	\$9,389.0	\$9,299.3
Commercial & Industrial							
Large Commercial New Construction	\$8,023.5	\$0.0			\$212.5		\$7,811.0
Large Commercial Retrofit	\$25,490.3	\$0.0			\$272.2		\$25,218.1
Small Business Direct Install	\$12,807.2	\$0.0			\$161.8		\$12,645.5
Community Based Initiatives - C&I	\$54.4				\$12.9		\$41.5
Commercial Pilots	\$364.3				\$0.2		\$364.1
Comprehensive Marketing - C&I	\$150.6				\$0.3		\$150.2
Finance Costs	\$1,000.0	\$1,000.0					\$1,000.0
Commercial & Industrial Shareholder Incentive	\$2,344.5			\$2,344.5			\$0.0
Subtotal - Commercial & Industrial	\$50,234.7	\$1,000.0	\$0.0	\$2,344.5	\$659.8	\$46,890.2	\$47,230.3
Regulatory							
OER	\$565.6		\$565.6				\$565.6
EERMC	\$816.7		\$816.7				\$816.7
Subtotal - Regulatory	\$1,382.3	\$0.0	\$1,382.3	\$0.0	\$0.0	\$0.0	\$1,382.3
Grand Total	\$87,050.1	\$1,000.0	\$1,382.3	\$4,031.8	\$1,039.4	\$80,636.0	\$81,978.9

Notes:

- (1) Finance Costs are capital costs to secure outside financing funds. Like the historical treatment of copays, outside finance costs do not directly lead to savings, therefore they are excluded from the eligible spending budget and a shareholder incentive is not collected on these funds. They are counted as an implementation expense.
- (2) Spending budget = Total Budget from E-2 minus Commitments, Copays, Outside Finance Costs, Regulatory costs, and shareholder incentive.
- (3) Implementation Expenses = Total Budget from E-2 minus Commitments, Copays, Evaluation expenses, and shareholder incentive.
- (4) OER Costs = 0.8% of customer EE Charge collections, minus 2%. These costs were not illustrated in the Three Year Plan.
- (5) EERMC Costs = 1.2% of customer EE Charge collections, minus 2%.
- (6) System Reliability Procurement funds represent additional funds not included in the calculation of shareholder incentive and are not included in this table. They are shown on Table E-2 and E-5

Table E-4
National Grid
Proposed 2014 Budget Compared to Approved 2013 Budget (\$000)

	Proposed Implementation Budget 2014	Approved Implementation Budget 2013	Difference
Non-Income Eligible Residential			
Residential New Construction	\$910.3	\$1,869.4	-\$959.1
ENERGY STAR® HVAC	\$919.7	\$1,303.7	-\$384.0
EnergyWise	\$6,448.4	\$6,750.9	-\$302.5
EnergyWise Multifamily	\$2,419.8	\$1,405.7	\$1,014.1
ENERGY STAR® Lighting	\$7,389.7	\$4,234.6	\$3,155.2
ENERGY STAR® Appliances	\$2,426.0	\$2,439.6	-\$13.6
Home Energy Reports	\$2,445.2	\$1,419.8	\$1,025.4
Energy Efficiency Educational Programs	\$50.7	\$55.3	-\$4.6
Residential Products Pilot	\$248.8	\$590.3	-\$341.4
Community Based Initiatives - Residential	\$226.4	\$498.6	-\$272.2
Comprehensive Marketing - Residential ²	\$581.9	\$1,590.4	-\$1,008.5
Subtotal - Non-Income Eligible Residential	\$24,066.9	\$22,158.2	\$1,908.7
Income Eligible Residential			
Single Family - Income Eligible Services	\$7,207.0	\$6,242.5	\$964.5
Income Eligible Multifamily	\$2,092.3	\$1,675.4	\$416.9
Subtotal - Income Eligible Residential	\$9,299.3	\$7,917.9	\$1,381.4
Commercial & Industrial			
Large Commercial New Construction	\$7,811.0	\$9,394.8	-\$1,583.8
Large Commercial Retrofit	\$25,218.1	\$11,785.6	\$13,432.5
Small Business Direct Install	\$12,645.5	\$11,585.7	\$1,059.7
Community Based Initiatives - C&I	\$41.5	\$148.0	-\$106.6
Commercial Pilots	\$364.1	\$319.2	\$44.8
Comprehensive Marketing - C&I	\$150.2	\$555.1	-\$404.9
Finance Costs	\$1,000.0	\$1,080.0	-\$80.0
Subtotal Commercial & Industrial	\$47,230.3	\$34,868.6	\$12,361.8
Regulatory			
EERMC	\$816.7	\$816.7	\$0.0
OER	\$565.6	\$544.4	\$21.2
Subtotal Regulatory	\$1,382.3	\$1,361.1	\$21.2
TOTAL IMPLEMENTATION BUDGET	\$81,978.9	\$66,305.8	\$15,673.1
OTHER EXPENSE ITEMS			
Commitments	\$0.0	\$7,000.0	-\$7,000.0
Small Business Revolving Loan Fund	\$0.0	\$0.0	\$0.0
Company Incentive	\$4,031.8	\$3,240.7	\$791.1
Evaluation	\$1,039.4	\$950.3	\$89.1
Subtotal - Other Expense Items	\$5,071.2	\$11,191.0	-\$6,119.9
TOTAL BUDGET	\$87,050.1	\$77,496.8	\$9,553.3

Notes:

(1) Program Implementation Budget excludes Commitments, Company Incentive and Evaluation; derived on Table E-3

(2) Total Budget includes Implementation, Commitments, Evaluation; illustrated on Table E-3

Table E-5
National Grid
Calculation of 2014 Program Year Cost-Effectiveness
All Dollar Values in (\$000)

	TRC Benefit/ Cost ¹	Total Benefit	Program Implementation Expenses ²	Customer Contribution	Evaluation Cost	Shareholder Incentive	¢/Lifetime kWh
Non-Income Eligible Residential							
Residential New Construction	1.39	\$ 1,335.1	\$ 910.3	\$ 47.0	\$ 5.5	NA	12.8
ENERGY STAR® HVAC	1.68	\$ 2,064.1	\$ 919.7	\$ 278.4	\$ 27.5	NA	13.4
EnergyWise	2.64	\$ 17,058.7	\$ 6,448.4	\$ -	\$ 13.5	NA	8.0
EnergyWise Multifamily	1.17	\$ 3,148.7	\$ 2,419.8	\$ 262.3	\$ 0.8	NA	10.2
Home Energy Reports	1.87	\$ 4,713.7	\$ 2,445.2	\$ -	\$ 81.9	NA	10.1
ENERGY STAR® Lighting	2.45	\$ 32,829.1	\$ 7,389.7	\$ 5,939.9	\$ 83.4	NA	4.4
ENERGY STAR® Products	1.36	\$ 3,732.8	\$ 2,426.0	\$ 311.2	\$ 3.2	NA	9.4
Energy Efficiency Education Programs		\$ -	\$ 50.7	\$ -	\$ -	NA	
Residential Products Pilot		\$ -	\$ 248.8	\$ -	\$ 35.3	NA	
Community Based Initiatives - Residential		\$ -	\$ 226.4	\$ -	\$ 37.8	NA	
Comprehensive Marketing - Residential		\$ -	\$ 581.9	\$ -	\$ 0.9	NA	
n-Income Eligible Residential SUBTOTAL	2.00	\$ 64,882.1	\$ 24,066.9	\$ 6,838.8	\$ 289.9	\$ 1,217.8	6.4
Income Eligible Residential							
Single Family - Income Eligible Services	1.59	\$ 11,618.5	\$ 7,207.0	\$ 1.2	\$ 85.6	NA	16.6
Income Eligible Multifamily	1.19	\$ 2,497.1	\$ 2,092.3	\$ 1.6	\$ 4.0	NA	11.2
Income Eligible Residential SUBTOTAL	1.43	\$ 14,115.6	\$ 9,299.3	\$ 2.8	\$ 89.6	\$ 469.4	15.0
Commercial & Industrial							
Large Commercial New Construction	8.22	\$ 67,859.5	\$ 7,811.0	\$ 228.4	\$ 212.5	NA	2.4
Large Commercial Retrofit	4.10	\$ 185,220.3	\$ 25,218.1	\$ 19,650.3	\$ 272.2	NA	2.1
Small Business Direct Install	2.25	\$ 35,282.1	\$ 12,645.5	\$ 2,906.3	\$ 161.8	NA	6.1
Community Based Initiatives - C&I		\$ -	\$ 41.5	\$ -	\$ 12.9	NA	
Commercial Pilots		\$ -	\$ 364.1	\$ -	\$ 0.2	NA	
Comprehensive Marketing - C&I		\$ -	\$ 150.2	\$ -	\$ 0.3	NA	
Finance Costs		\$ -	\$ 1,000.0	\$ -	\$ -	NA	
C&I SUBTOTAL	3.95	\$ 288,361.9	\$ 47,230.3	\$ 22,785.0	\$ 659.8	\$ 2,364.3	2.6
Regulatory							
OER			\$ 565.6				
EERMC			\$ 816.7				
Regulatory SUBTOTAL			\$ 1,382.3				
TOTAL	3.15	\$ 367,359.6	\$ 81,978.9	\$ 29,626.6	\$ 1,039.4	\$ 4,051.5	3.4

Notes:

(1) TRC B/C Test = (Energy + Capacity + Resource Benefits) / (Program Implementation + Evaluation Costs + Customer Contribution + Shareholder Incentive)

Also includes effects of free-ridership and spillover.

(2) For Implementation Expenses derivation, see Table E-3.

(3) System Reliability may leverage some of the energy efficiency savings and benefits. Energy efficiency savings and benefits are attributed to the program in which they occur.

The incremental costs of System Reliability appears below along with the resulting Total in order to illustrate that the existing Energy Efficiency programs are cost effective with the additional expenses. For more information please see the 2014 System Reliability Procurement Report.

System Reliability Procurement	1.79	\$ 1,114.9	\$ 279.2	\$ 1.9	\$ 120.0	\$ -	
Total with System Reliability	3.15	\$ 368,474.46	\$ 82,258.11	\$ 29,628.51	\$ 1,159.36	\$ 4,051.53	3.5

Table E-6
National Grid
Summary of 2014 Benefits and Savings by Program

	Benefits (000's)													Load Reduction in kW			MWh Saved	
	Total	Capacity					Energy					Non Electric		Summer	Winter	Lifetime	Maximum Annual	Lifetime
		Generation		Trans	MDC	DRIPE	Winter		Summer		DRIPE	Resource	Non Resource					
		Summer	Winter				Peak	Off Peak	Peak	Off Peak								
Non-Income Eligible Residential																		
Residential New Construction	\$1,335	\$108	\$0	\$40	\$172	\$4	\$138	\$184	\$72	\$84	\$56	\$220	\$258	62	78	999	631	7,514
ENERGY STAR® HVAC	\$2,064	\$281	\$0	\$111	\$477	\$15	\$160	\$133	\$190	\$90	\$84	\$492	\$30	194	130	2,747	726	9,120
EnergyWise	\$17,059	\$510	\$0	\$381	\$1,635	\$68	\$2,029	\$2,003	\$561	\$514	\$725	\$6,792	\$1,841	1,445	3,847	9,360	7,674	80,804
EnergyWise Multifamily	\$3,149	\$183	\$0	\$92	\$395	\$16	\$640	\$561	\$204	\$197	\$274	\$261	\$327	232	731	2,264	2,888	26,418
Home Energy Reports	\$4,714	\$306	\$0	\$541	\$2,322	\$0	\$457	\$584	\$177	\$234	\$92	\$0	\$0	13,182	52,558	13,182	25,028	25,028
ENERGY STAR® Lighting	\$32,829	\$2,126	\$0	\$1,257	\$5,395	\$228	\$5,992	\$6,992	\$2,552	\$2,959	\$2,959	\$0	\$2,368	3,712	7,425	30,939	35,731	308,065
ENERGY STAR® Products	\$3,733	\$216	\$0	\$138	\$593	\$29	\$519	\$650	\$243	\$287	\$328	\$0	\$730	425	415	3,390	3,639	29,268
Non-Income Eligible Residential SUBTOTAL	\$64,882	\$3,731	\$0	\$2,561	\$10,988	\$362	\$9,936	\$11,107	\$3,998	\$4,363	\$4,517	\$7,766	\$5,554	\$19,251	65,183	62,882	76,317	\$486,215
Income Eligible Residential																		
Single Family - Income Eligible Services	\$11,619	\$465	\$0	\$202	\$867	\$29	\$824	\$1,057	\$380	\$468	\$342	\$4,064	\$2,920	419	849	4,994	3,967	43,875
Income Eligible Multifamily	\$2,497	\$112	\$0	\$58	\$250	\$11	\$458	\$408	\$135	\$133	\$195	\$55	\$681	154	585	1,436	2,113	18,711
Income Eligible Residential SUBTOTAL	\$14,116	\$577	\$0	\$260	\$1,117	\$40	\$1,282	\$1,465	\$515	\$601	\$538	\$4,119	\$3,601	572	1,434	6,430	6,080	62,586
Commercial & Industrial																		
Large Commercial New Construction	\$67,860	\$12,985	\$0	\$5,282	\$22,666	\$793	\$9,908	\$5,324	\$4,806	\$2,439	\$3,421	\$204	\$34	9,679	7,172	130,532	27,472	350,890
Large Commercial Retrofit	\$185,220	\$28,497	\$0	\$10,439	\$44,793	\$1,261	\$69,223	\$29,050	\$35,451	\$12,721	\$16,094	-\$109,521	\$47,212	15,273	13,577	258,784	124,275	2,148,112
Small Business Direct Install	\$35,282	\$5,719	\$0	\$2,468	\$10,592	\$413	\$8,978	\$2,269	\$4,318	\$1,009	\$3,019	-\$3,503	\$0	4,997	2,956	60,858	21,170	257,811
C&I SUBTOTAL	\$288,362	\$47,201	\$0	\$18,189	\$78,051	\$2,467	\$88,108	\$36,643	\$44,575	\$16,168	\$22,534	-\$112,821	\$47,245	29,950	23,704	450,173	172,917	2,756,813
TOTAL	\$367,360	\$51,509	\$0	\$21,010	\$90,156	\$2,869	\$99,326	\$49,215	\$49,088	\$21,133	\$27,588	-\$100,936	\$56,400	49,773	90,321	519,485	255,314	3,305,615

Table E-7
National Grid
Comparison of 2013 and 2014 Goals

	Proposed 2014			Approved 2013			Difference	
	Annual Energy Savings (MWh)	Participants	Population Reached	Annual Energy Savings (MWh)	Participants	Population Reached	Annual Energy Savings (MWh)	Participants
Non-Income Eligible Residential								
Residential New Construction	631	458	8%	883	734	0%	(252)	(276)
ENERGY STAR® HVAC	726	1,946	0%	513	2,234	1%	213	(288)
EnergyWise	7,674	7,600	2%	7,059	7,800	2%	615	(200)
EnergyWise Multifamily	2,888	4,500	1%	2,129	3,700	1%	760	800
Home Energy Reports	25,028	227,600	58%	15,325	246,500	63%	9,703	(18,900)
ENERGY STAR® Lighting	35,731	247,240	63%	24,757	181,560	47%	10,975	65,680
ENERGY STAR® Products	3,639	13,285	3%	4,872	24,450	6%	(1,234)	(11,165)
Non-Income Eligible SUBTOTAL	76,317	502,629	129%	55,538	466,978	120%	20,779	35,651
Income Eligible Residential								
Single Family - Income Eligible Services	3,967	2,450	6%	4,131	2,501	6%	(164)	(51)
Income Eligible Multifamily	2,113	3,520	8%	2,057	3,100	7%	56	420
Income Eligible SUBTOTAL	6,080	5,970	14%	6,188	5,601	13%	(164)	(51)
Commercial & Industrial								
Large Commercial New Construction	27,472	2,192	26%	29,302	1,260	15%	(1,830)	932
Large Commercial Retrofit	124,275	833	10%	47,600	982	12%	76,675	(150)
Small Business Direct Install	21,170	1,510	3%	20,192	1,667	3%	978	(157)
C&I SUBTOTAL	172,917	4,535	8%	97,093	3,910	7%	75,824	625
TOTAL	255,314	513,134	104%	158,820	476,488	97%	96,494	36,646

Notes:

- (1) There are additional Low Income participants in Residential New Construction.
- (2) Proposed 2014 Participants for Commercial & Industrial programs based on average savings per participant from 2013 actuals.
- (3) % Population reached for both C&I and Residential New Construction assumes an annual new home growth rate of 1.5%
- (4) A customer can participate in more than one program, for example, ENERGY STAR® Lighting and Home Energy Reports, therefore the population reached can be more than 100%.
- (5) In 2012, the Company modified how it counts participants to better identify unique participants in an effort better estimate penetration rates. Please see the Main Text for a description.
- (6) The total population for Residential New Construction is the number of new customer homes that will be built in 2014, which is estimated as 1.5% of the current customer base.

Table E-8
National Grid
Avoided Costs Used in 2014 Benefit-Cost Model

	Rhode Island					DRIPE for Installations in 2014				
	Winter Peak Energy	Winter Off-Peak Energy	Summer Peak Energy	Summer Off-Peak Energy	Annual Market Capacity Value	Winter Peak Energy	Winter Off-Peak Energy	Summer Peak Energy	Summer Off-Peak Energy	Annual Market Capacity Value
Units:	\$/kWh	\$/kWh	\$/kWh	\$/kWh	\$/kW-yr	\$/kWh	\$/kWh	\$/kWh	\$/kWh	\$/kW-yr
Period:										
2014	0.066	0.058	0.054	0.048	20.41	0.006	0.002	0.005	0.001	0.00
2015	0.065	0.058	0.056	0.048	21.38	0.023	0.007	0.019	0.006	0.00
2016	0.062	0.056	0.056	0.047	19.25	0.024	0.007	0.021	0.006	0.00
2017	0.059	0.052	0.061	0.049	21.38	0.023	0.007	0.024	0.006	18.575
2018	0.062	0.054	0.065	0.051	55.36	0.023	0.007	0.024	0.006	15.754
2019	0.067	0.058	0.070	0.054	61.17	0.020	0.006	0.021	0.005	12.790
2020	0.076	0.067	0.075	0.062	112.96	0.015	0.005	0.015	0.004	9.733
2021	0.076	0.068	0.078	0.063	137.51	0.011	0.003	0.011	0.003	6.583
2022	0.079	0.071	0.078	0.066	137.51	0.007	0.002	0.007	0.002	5.013
2023	0.081	0.073	0.083	0.068	137.51	0.004	0.001	0.004	0.001	3.393
2024	0.084	0.075	0.086	0.070	137.51	0.000	0.000	0.000	0.000	1.722
2025	0.089	0.080	0.092	0.074	137.51					
2026	0.091	0.082	0.095	0.077	137.51					
2027	0.095	0.084	0.098	0.079	137.51					
2028	0.098	0.086	0.100	0.080	137.51					
2029	0.101	0.088	0.103	0.083	137.51					
2030	0.105	0.090	0.106	0.085	137.51					
2031	0.108	0.093	0.110	0.087	137.51					
2032	0.112	0.095	0.114	0.090	137.51					
2033	0.116	0.098	0.118	0.092	137.51					
2034	0.120	0.100	0.121	0.095	137.51					
2035	0.124	0.103	0.126	0.098	137.51					
2036	0.128	0.106	0.130	0.101	137.51					
2037	0.132	0.109	0.134	0.103	137.51					
2038	0.137	0.112	0.139	0.106	137.51					
2039	0.141	0.115	0.143	0.109	137.51					
2040	0.146	0.118	0.148	0.112	137.51					
2041	0.151	0.121	0.153	0.116	137.51					
2042	0.156	0.125	0.159	0.119	137.51					
2043	0.162	0.128	0.164	0.122	137.51					

From 2013 Avoided Cost Study
Appendix B

Table E-9
National Grid
2014 Targeted Shareholder Incentive

Incentive Rate: 5.00%

Sector	(1) Spending Budget \$(000)	(2) Target Incentive \$(000)	(3) Annual kWh Savings Goal	(4) Threshold kWh Savings	(5) Target Incentive Per kWh
Income Eligible Residential	\$9,389	\$469	6,079,828	4,559,871	\$0.077
Non-Income Eligible Residential	\$24,357	\$1,218	76,316,827	57,237,620	\$0.016
Commercial & Industrial	\$46,890	\$2,345	172,917,343	129,688,007	\$0.014
Total	\$80,636	\$4,032	255,313,998	191,485,499	\$0.016

Notes:

- (1) Eligible Spending Budget excludes EERMC, OER, Finance Costs, and Shareholder Incentive. See Table E-3 for details.
- (2) Equal to the incentive rate (5.0%) x Column (1).
- (3) See Table E-7
- (4) 75% of Column (3). No incentive is earned on annual kWh savings in the sector unless the Company achieves at least this threshold level of performance.
- (5) Column (2)*1000/Column (3). This illustration is for achieved savings equal to the savings target. The incentive earned per kWh will vary with the percent of the savings target achieved

The shareholder incentive will be calculated as follow, where SB is the Spending Budget in the sector:

- From 75% of savings to 100% of savings: Shareholder Incentive = SB x (0.15 x % of savings achieved – 0.10)
- From 100% of savings to 125% of savings: Shareholder Incentive = SB x (0.05 x % of savings achieved)

Table E- 10
National Grid
Revolving Loan Fund Projections

Large C&I Revolving Loan Fund			Small Business Revolving Loan Fund		
(1)	Total Loan Fund Deposits Through 2013	\$ 8,979,678	(1)	Total Loan Fund Deposits Through 2013	\$ 4,158,972
Estimated Outstanding Loan Balance			Estimated Outstanding Loan Balance		
(2)	Total Value of Disbursed Loans ¹	\$ 3,026,711	(2)	Total Value of Disbursed Loans ¹	\$ 3,126,662
(3)	<u>2013 Repayments from loans²</u>	<u>\$ (1,477,874)</u>	(3)	<u>2013 Repayments from loans²</u>	<u>\$ (2,290,153)</u>
(4)	Total	\$ 1,548,837	(4)	Total	\$ 836,509
Projected Fund Status, Year End 2013			Projected Fund Status, Year End 2013		
(5)	Estimated Outstanding Loan Balance Total	\$ 1,548,837	(5)	Estimated Outstanding Loan Balance Total	\$ 836,509
(6)	Committed Loans	\$ 4,754,205	(6)	Projected Loans ³	\$ 1,736,949
(7)	<u>Uncommitted Funds³</u>	<u>\$ 2,676,637</u>	(7)	<u>Uncommitted Funds</u>	<u>\$ 1,585,514</u>
(8)	Total	\$ 8,979,678	(8)	Total	\$ 4,158,972
Loan Funds Available in 2014			Loan Funds Available in 2014		
(9)	Uncommitted Funds	\$ 2,676,637	(9)	Uncommitted Funds	\$ 1,585,514
(10)	2014 Repayments from from loans ⁴	\$ 3,181,830	(10)	2014 Repayments from from loans ⁴	\$ 1,655,863
(11)	<u>2014 Finance Budget⁵</u>	<u>\$ 1,000,000</u>	(11)	<u>2014 Finance Budget</u>	<u>\$ -</u>
(12)	Total Available for Loans in 2014	\$ 6,858,467	(12)	Total Available for Loans in 2014	\$ 3,241,378
(13)	Projected Total Loan Fund Deposits Through 2014	\$ 9,979,678			

Notes

¹ Includes loans created in 2012 & 2013

² Includes repayments from the loans in line (2), shown as a negative number. Only includes repayments anticipated in calendar year 2013.

³ Uncommitted Funds are estimated, they depend on loan creation dates and repayment schedules

⁴ 2014 Repayments are a combination of repayments from loans created in 2012, 2013 and projected to be created in 2014. Only includes repayments projected in calendar year 2014.

⁵ 2014 Finance is a budget item included on Table E-2

Notes

¹ Includes loans created from 2011 to mid-2013.

² Includes repayments from the loans in line (2), shown as a negative number. Only includes repayments anticipated in calendar year 2013.

³ Loans projected to be created by year-end 2013.

⁴ 2014 Repayments are a combination of repayments from loans created in 2012 and 2013.

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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	\$27.92	\$11.06	\$16.86	\$27.97	\$11.06	\$16.91	\$0.05	0.2%	13.7%
300	\$49.77	\$22.13	\$27.64	\$49.88	\$22.13	\$27.75	\$0.11	0.2%	17.5%
400	\$64.34	\$29.50	\$34.84	\$64.48	\$29.50	\$34.98	\$0.14	0.2%	11.8%
500	\$78.91	\$36.88	\$42.03	\$79.09	\$36.88	\$42.21	\$0.18	0.2%	10.8%
600	\$93.46	\$44.24	\$49.22	\$93.68	\$44.24	\$49.44	\$0.22	0.2%	9.4%
700	\$108.03	\$51.62	\$56.41	\$108.28	\$51.62	\$56.66	\$0.25	0.2%	7.7%
1,000	\$151.72	\$73.74	\$77.98	\$152.08	\$73.74	\$78.34	\$0.36	0.2%	15.0%
2,000	\$297.37	\$147.48	\$149.89	\$298.09	\$147.48	\$150.61	\$0.72	0.2%	14.1%

Present Rates

Customer Charge		\$5.00
LIHEAP Charge		\$0.83
Transmission Energy Charge	kWh x	\$0.02036
Distribution Energy Charge	kWh x	\$0.03797
Transition Energy Charge	kWh x	\$0.00162
Energy Efficiency Program Charge (1)	kWh x	\$0.00906
Renewable Energy Distribution Charge	kWh x	\$0.00002
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.07079

Proposed Rates

Customer Charge		\$5.00
LIHEAP Charge		\$0.83
Transmission Energy Charge	kWh x	\$0.02036
Distribution Energy Charge	kWh x	\$0.03797
Transition Energy Charge	kWh x	\$0.00162
Proposed Energy Efficiency Program Charge (2)	kWh x	\$0.00941
Renewable Energy Distribution Charge	kWh x	\$0.00002
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.07079

Note (1): Consists of the the current Energy Efficiency Program Charge of 0.876¢/kWh plus the Renewables Charge of 0.03¢/kWh

Note (2): Consists of the the proposed Energy Efficiency Program Charge of 0.911¢/kWh plus the Renewables Charge of 0.03¢/kWh

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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	\$20.61	\$11.06	\$9.55	\$20.66	\$11.06	\$9.60	\$0.05	0.2%	10.7%
300	\$40.35	\$22.12	\$18.23	\$40.46	\$22.12	\$18.34	\$0.11	0.3%	23.2%
400	\$53.51	\$29.50	\$24.01	\$53.66	\$29.50	\$24.16	\$0.15	0.3%	14.9%
500	\$66.67	\$36.87	\$29.80	\$66.85	\$36.87	\$29.98	\$0.18	0.3%	12.2%
600	\$79.83	\$44.24	\$35.59	\$80.05	\$44.24	\$35.81	\$0.22	0.3%	9.6%
700	\$93.00	\$51.62	\$41.38	\$93.25	\$51.62	\$41.63	\$0.25	0.3%	7.3%
1,000	\$132.48	\$73.74	\$58.74	\$132.84	\$73.74	\$59.10	\$0.36	0.3%	12.3%
2,000	\$264.09	\$147.48	\$116.61	\$264.82	\$147.48	\$117.34	\$0.73	0.3%	9.8%

Present Rates

Customer Charge		\$0.00
LIHEAP Charge		\$0.83
Transmission Energy Charge	kWh x	\$0.02036
Distribution Energy Charge	kWh x	\$0.02450
Transition Energy Charge	kWh x	\$0.00162
Energy Efficiency Program Charge (1)	kWh x	\$0.00906
Renewable Energy Distribution Charge	kWh x	\$0.00002
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.07079

Proposed Rates

Customer Charge		\$0.00
LIHEAP Charge		\$0.83
Transmission Energy Charge	kWh x	\$0.02036
Distribution Energy Charge	kWh x	\$0.02450
Transition Energy Charge	kWh x	\$0.00162
Proposed Energy Efficiency Program Charge (2)	kWh x	\$0.00941
Renewable Energy Distribution Charge	kWh x	\$0.00002
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.07079

Note (1): Consists of the the current Energy Efficiency Program Charge of 0.876¢/kWh plus the Renewables Charge of 0.03¢/kWh

Note (2): Consists of the the proposed Energy Efficiency Program Charge of 0.911¢/kWh plus the Renewables Charge of 0.03¢/kWh

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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	\$48.12	\$19.43	\$28.69	\$48.21	\$19.43	\$28.78	\$0.09	0.2%	35.2%
500	\$84.96	\$38.86	\$46.10	\$85.14	\$38.86	\$46.28	\$0.18	0.2%	17.0%
1,000	\$158.65	\$77.73	\$80.92	\$159.01	\$77.73	\$81.28	\$0.36	0.2%	19.0%
1,500	\$232.32	\$116.59	\$115.73	\$232.87	\$116.59	\$116.28	\$0.55	0.2%	9.8%
2,000	\$306.01	\$155.46	\$150.55	\$306.74	\$155.46	\$151.28	\$0.73	0.2%	19.1%

Present Rates

Customer Charge		\$10.00
LIHEAP Charge		\$0.83
Transmission Energy Charge	kWh x	\$0.02204
Distribution Energy Charge	kWh x	\$0.03411
Transition Energy Charge	kWh x	\$0.00162
Energy Efficiency Program Charge (1)	kWh x	\$0.00906
Renewable Energy Distribution Charge	kWh x	\$0.00002
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.07462

Proposed Rates

Customer Charge		\$10.00
LIHEAP Charge		\$0.83
Transmission Energy Charge	kWh x	\$0.02204
Distribution Energy Charge	kWh x	\$0.03411
Transition Energy Charge	kWh x	\$0.00162
Proposed Energy Efficiency Program Charge (2)	kWh x	\$0.00941
Renewable Energy Distribution Charge	kWh x	\$0.00002
Gross Earnings Tax		4.00%
Standard Offer Charge	kWh x	\$0.07462

Note (1): Consists of the the current Energy Efficiency Program Charge of 0.876¢/kWh plus the Renewables Charge of 0.03¢/kWh

Note (2): Consists of the the proposed Energy Efficiency Program Charge of 0.911¢/kWh plus the Renewables Charge of 0.03¢/kWh

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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	\$660.98	\$310.92	\$350.06	\$662.44	\$310.92	\$351.52	\$1.46	0.2%
50	10,000	\$1,515.99	\$777.29	\$738.70	\$1,519.64	\$777.29	\$742.35	\$3.65	0.2%
100	20,000	\$2,941.02	\$1,554.58	\$1,386.44	\$2,948.31	\$1,554.58	\$1,393.73	\$7.29	0.2%
150	30,000	\$4,366.05	\$2,331.88	\$2,034.17	\$4,376.99	\$2,331.88	\$2,045.11	\$10.94	0.3%

Present Rates

Customer Charge		\$135.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$2.89
Transmission Energy Charge	kWh x	\$0.00716
Distribution Demand Charge-xcs 10 kW	kW x	\$4.85
Distribution Energy Charge	kWh x	\$0.00561
Transition Energy Charge	kWh x	\$0.00162
Energy Efficiency Program Charge (1)	kWh x	\$0.00906
Renewable Energy Distribution Charge	kWh x	\$0.00002

Gross Earnings Tax 4.00%

Standard Offer Charge kWh x \$0.07462

Proposed Rates

Customer Charge		\$135.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$2.89
Transmission Energy Charge	kWh x	\$0.00716
Distribution Demand Charge-xcs 10 kW	kW x	\$4.85
Distribution Energy Charge	kWh x	\$0.00561
Transition Energy Charge	kWh x	\$0.00162
Proposed Energy Efficiency Program Charge (2)	kWh x	\$0.00941
Renewable Energy Distribution Charge	kWh x	\$0.00002

Gross Earnings Tax 4.00%

Standard Offer Charge kWh x \$0.07462

Note (1): Consists of the the current Energy Efficiency Program Charge of 0.876¢/kWh plus the Renewables Charge of 0.03¢/kWh

Note (2): Consists of the the proposed Energy Efficiency Program Charge of 0.911¢/kWh plus the Renewables Charge of 0.03¢/kWh

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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	\$865.34	\$466.38	\$398.96	\$867.53	\$466.38	\$401.15	\$2.19	0.3%
50	15,000	\$2,026.88	\$1,165.94	\$860.94	\$2,032.35	\$1,165.94	\$866.41	\$5.47	0.3%
100	30,000	\$3,962.80	\$2,331.88	\$1,630.92	\$3,973.73	\$2,331.88	\$1,641.85	\$10.93	0.3%
150	45,000	\$5,898.70	\$3,497.81	\$2,400.89	\$5,915.11	\$3,497.81	\$2,417.30	\$16.41	0.3%

Present Rates

Customer Charge		\$135.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$2.89
Transmission Energy Charge	kWh x	\$0.00716
Distribution Demand Charge-xcs 10 kW	kW x	\$4.85
Distribution Energy Charge	kWh x	\$0.00561
Transition Energy Charge	kWh x	\$0.00162
Energy Efficiency Program Charge (1)	kWh x	\$0.00906
Renewable Energy Distribution Charge	kWh x	\$0.00002

Gross Earnings Tax 4.00%

Standard Offer Charge kWh x \$0.07462

Proposed Rates

Customer Charge		\$135.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$2.89
Transmission Energy Charge	kWh x	\$0.00716
Distribution Demand Charge-xcs 10 kW	kW x	\$4.85
Distribution Energy Charge	kWh x	\$0.00561
Transition Energy Charge	kWh x	\$0.00162
Proposed Energy Efficiency Program Charge (2)	kWh x	\$0.00941
Renewable Energy Distribution Charge	kWh x	\$0.00002

Gross Earnings Tax 4.00%

Standard Offer Charge kWh x \$0.07462

Note (1): Consists of the the current Energy Efficiency Program Charge of 0.876¢/kWh plus the Renewables Charge of 0.03¢/kWh

Note (2): Consists of the the proposed Energy Efficiency Program Charge of 0.911¢/kWh plus the Renewables Charge of 0.03¢/kWh

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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	\$1,069.68	\$621.83	\$447.85	\$1,072.60	\$621.83	\$450.77	\$2.92	0.3%
50	20,000	\$2,537.76	\$1,554.58	\$983.18	\$2,545.05	\$1,554.58	\$990.47	\$7.29	0.3%
100	40,000	\$4,984.57	\$3,109.17	\$1,875.40	\$4,999.15	\$3,109.17	\$1,889.98	\$14.58	0.3%
150	60,000	\$7,431.36	\$4,663.75	\$2,767.61	\$7,453.23	\$4,663.75	\$2,789.48	\$21.87	0.3%

Present Rates

Customer Charge		\$135.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$2.89
Transmission Energy Charge	kWh x	\$0.00716
Distribution Demand Charge-xcs 10 kW	kW x	\$4.85
Distribution Energy Charge	kWh x	\$0.00561
Transition Energy Charge	kWh x	\$0.00162
Energy Efficiency Program Charge (1)	kWh x	\$0.00906
Renewable Energy Distribution Charge	kWh x	\$0.00002

Gross Earnings Tax 4.00%

Standard Offer Charge kWh x \$0.07462

Proposed Rates

Customer Charge		\$135.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$2.89
Transmission Energy Charge	kWh x	\$0.00716
Distribution Demand Charge-xcs 10 kW	kW x	\$4.85
Distribution Energy Charge	kWh x	\$0.00561
Transition Energy Charge	kWh x	\$0.00162
Proposed Energy Efficiency Program Charge (2)	kWh x	\$0.00941
Renewable Energy Distribution Charge	kWh x	\$0.00002

Gross Earnings Tax 4.00%

Standard Offer Charge kWh x \$0.07462

Note (1): Consists of the the current Energy Efficiency Program Charge of 0.876¢/kWh plus the Renewables Charge of 0.03¢/kWh

Note (2): Consists of the the proposed Energy Efficiency Program Charge of 0.911¢/kWh plus the Renewables Charge of 0.03¢/kWh

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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	\$1,478.40	\$932.75	\$545.65	\$1,482.77	\$932.75	\$550.02	\$4.37	0.3%
50	30,000	\$3,559.54	\$2,331.88	\$1,227.66	\$3,570.48	\$2,331.88	\$1,238.60	\$10.94	0.3%
100	60,000	\$7,028.10	\$4,663.75	\$2,364.35	\$7,049.98	\$4,663.75	\$2,386.23	\$21.88	0.3%
150	90,000	\$10,496.68	\$6,995.63	\$3,501.05	\$10,529.49	\$6,995.63	\$3,533.86	\$32.81	0.3%

Present Rates

Customer Charge		\$135.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$2.89
Transmission Energy Charge	kWh x	\$0.00716
Distribution Demand Charge-xcs 10 kW	kW x	\$4.85
Distribution Energy Charge	kWh x	\$0.00561
Transition Energy Charge	kWh x	\$0.00162
Energy Efficiency Program Charge (1)	kWh x	\$0.00906
Renewable Energy Distribution Charge	kWh x	\$0.00002

Gross Earnings Tax 4.00%

Standard Offer Charge kWh x \$0.07462

Proposed Rates

Customer Charge		\$135.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$2.89
Transmission Energy Charge	kWh x	\$0.00716
Distribution Demand Charge-xcs 10 kW	kW x	\$4.85
Distribution Energy Charge	kWh x	\$0.00561
Transition Energy Charge	kWh x	\$0.00162
Proposed Energy Efficiency Program Charge (2)	kWh x	\$0.00941
Renewable Energy Distribution Charge	kWh x	\$0.00002

Gross Earnings Tax 4.00%

Standard Offer Charge kWh x \$0.07462

Note (1): Consists of the the current Energy Efficiency Program Charge of 0.876¢/kWh plus the Renewables Charge of 0.03¢/kWh

Note (2): Consists of the the proposed Energy Efficiency Program Charge of 0.911¢/kWh plus the Renewables Charge of 0.03¢/kWh

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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	\$1,274.04	\$777.29	\$496.75	\$1,277.69	\$777.29	\$500.40	\$3.65	0.3%
50	25,000	\$3,048.65	\$1,943.23	\$1,105.42	\$3,057.77	\$1,943.23	\$1,114.54	\$9.12	0.3%
100	50,000	\$6,006.33	\$3,886.46	\$2,119.87	\$6,024.56	\$3,886.46	\$2,138.10	\$18.23	0.3%
150	75,000	\$8,964.02	\$5,829.69	\$3,134.33	\$8,991.36	\$5,829.69	\$3,161.67	\$27.34	0.3%

Present Rates

Customer Charge		\$135.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$2.89
Transmission Energy Charge	kWh x	\$0.00716
Distribution Demand Charge-xcs 10 kW	kW x	\$4.85
Distribution Energy Charge	kWh x	\$0.00561
Transition Energy Charge	kWh x	\$0.00162
Energy Efficiency Program Charge (1)	kWh x	\$0.00906
Renewable Energy Distribution Charge	kWh x	\$0.00002

Gross Earnings Tax 4.00%

Standard Offer Charge kWh x \$0.07462

Proposed Rates

Customer Charge		\$135.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$2.89
Transmission Energy Charge	kWh x	\$0.00716
Distribution Demand Charge-xcs 10 kW	kW x	\$4.85
Distribution Energy Charge	kWh x	\$0.00561
Transition Energy Charge	kWh x	\$0.00162
Proposed Energy Efficiency Program Charge (2)	kWh x	\$0.00941
Renewable Energy Distribution Charge	kWh x	\$0.00002

Gross Earnings Tax 4.00%

Standard Offer Charge kWh x \$0.07462

Note (1): Consists of the the current Energy Efficiency Program Charge of 0.876¢/kWh plus the Renewables Charge of 0.03¢/kWh

Note (2): Consists of the the proposed Energy Efficiency Program Charge of 0.911¢/kWh plus the Renewables Charge of 0.03¢/kWh

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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	\$4,821.65	\$2,245.83	\$2,575.82	\$4,836.24	\$2,245.83	\$2,590.41	\$14.59	0.3%
750	150,000	\$17,835.35	\$8,421.88	\$9,413.47	\$17,890.04	\$8,421.88	\$9,468.16	\$54.69	0.3%
1,000	200,000	\$23,750.66	\$11,229.17	\$12,521.49	\$23,823.58	\$11,229.17	\$12,594.41	\$72.92	0.3%
1,500	300,000	\$35,581.28	\$16,843.75	\$18,737.53	\$35,690.66	\$16,843.75	\$18,846.91	\$109.38	0.3%
2,500	500,000	\$59,242.54	\$28,072.92	\$31,169.62	\$59,424.83	\$28,072.92	\$31,351.91	\$182.29	0.3%

Present Rates

Customer Charge		\$825.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$3.23
Transmission Energy Charge	kWh x	\$0.00842
Distribution Demand Charge - > 200 kW	kW x	\$3.70
Distribution Energy Charge	kWh x	\$0.00590
Transition Energy Charge	kWh x	\$0.00162
Energy Efficiency Program Charge (1)	kWh x	\$0.00906
Renewable Energy Distribution Charge	kWh x	\$0.00002

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.05390

Proposed Rates

Customer Charge		\$825.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$3.23
Transmission Energy Charge	kWh x	\$0.00842
Distribution Demand Charge - > 200 kW	kW x	\$3.70
Distribution Energy Charge	kWh x	\$0.00590
Transition Energy Charge	kWh x	\$0.00162
Proposed Energy Efficiency Program Charge (2)	kWh x	\$0.00941
Renewable Energy Distribution Charge	kW x	\$0.00002

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.05390

Note (1): Consists of the the current Energy Efficiency Program Charge of 0.876¢/kWh plus the Renewables Charge of 0.03¢/kWh

Note (2): Consists of the the proposed Energy Efficiency Program Charge of 0.911¢/kWh plus the Renewables Charge of 0.03¢/kWh

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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	\$6,465.82	\$3,368.75	\$3,097.07	\$6,487.70	\$3,368.75	\$3,118.95	\$21.88	0.3%
750	225,000	\$24,000.97	\$12,632.81	\$11,368.16	\$24,083.00	\$12,632.81	\$11,450.19	\$82.03	0.3%
1,000	300,000	\$31,971.49	\$16,843.75	\$15,127.74	\$32,080.87	\$16,843.75	\$15,237.12	\$109.38	0.3%
1,500	450,000	\$47,912.54	\$25,265.63	\$22,646.91	\$48,076.60	\$25,265.63	\$22,810.97	\$164.06	0.3%
2,500	750,000	\$79,794.62	\$42,109.38	\$37,685.24	\$80,068.06	\$42,109.38	\$37,958.68	\$273.44	0.3%

Present Rates

Customer Charge		\$825.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$3.23
Transmission Energy Charge	kWh x	\$0.00842
Distribution Demand Charge - > 200 kW	kW x	\$3.70
Distribution Energy Charge	kWh x	\$0.00590
Transition Energy Charge	kWh x	\$0.00162
Energy Efficiency Program Charge (1)	kWh x	\$0.00906
Renewable Energy Distribution Charge	kWh x	\$0.00002

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.05390

Proposed Rates

Customer Charge		\$825.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$3.23
Transmission Energy Charge	kWh x	\$0.00842
Distribution Demand Charge - > 200 kW	kW x	\$3.70
Distribution Energy Charge	kWh x	\$0.00590
Transition Energy Charge	kWh x	\$0.00162
Proposed Energy Efficiency Program Charge (2)	kWh x	\$0.00941
Renewable Energy Distribution Charge	kW x	\$0.00002

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.05390

Note (1): Consists of the the current Energy Efficiency Program Charge of 0.876¢/kWh plus the Renewables Charge of 0.03¢/kWh

Note (2): Consists of the the proposed Energy Efficiency Program Charge of 0.911¢/kWh plus the Renewables Charge of 0.03¢/kWh

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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	\$8,109.99	\$4,491.67	\$3,618.32	\$8,139.16	\$4,491.67	\$3,647.49	\$29.17	0.4%
750	300,000	\$30,166.59	\$16,843.75	\$13,322.84	\$30,275.97	\$16,843.75	\$13,432.22	\$109.38	0.4%
1,000	400,000	\$40,192.32	\$22,458.33	\$17,733.99	\$40,338.15	\$22,458.33	\$17,879.82	\$145.83	0.4%
1,500	600,000	\$60,243.78	\$33,687.50	\$26,556.28	\$60,462.53	\$33,687.50	\$26,775.03	\$218.75	0.4%
2,500	1,000,000	\$100,346.70	\$56,145.83	\$44,200.87	\$100,711.28	\$56,145.83	\$44,565.45	\$364.58	0.4%

Present Rates

Customer Charge		\$825.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$3.23
Transmission Energy Charge	kWh x	\$0.00842
Distribution Demand Charge - > 200 kW	kW x	\$3.70
Distribution Energy Charge	kWh x	\$0.00590
Transition Energy Charge	kWh x	\$0.00162
Energy Efficiency Program Charge (1)	kWh x	\$0.00906
Renewable Energy Distribution Charge	kWh x	\$0.00002

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.05390

Proposed Rates

Customer Charge		\$825.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$3.23
Transmission Energy Charge	kWh x	\$0.00842
Distribution Demand Charge - > 200 kW	kW x	\$3.70
Distribution Energy Charge	kWh x	\$0.00590
Transition Energy Charge	kWh x	\$0.00162
Proposed Energy Efficiency Program Charge (2)	kWh x	\$0.00941
Renewable Energy Distribution Charge	kW x	\$0.00002

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.05390

Note (1): Consists of the the current Energy Efficiency Program Charge of 0.876¢/kWh plus the Renewables Charge of 0.03¢/kWh

Note (2): Consists of the the proposed Energy Efficiency Program Charge of 0.911¢/kWh plus the Renewables Charge of 0.03¢/kWh

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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	\$9,754.15	\$5,614.58	\$4,139.57	\$9,790.61	\$5,614.58	\$4,176.03	\$36.46	0.4%
750	375,000	\$36,332.22	\$21,054.69	\$15,277.53	\$36,468.94	\$21,054.69	\$15,414.25	\$136.72	0.4%
1,000	500,000	\$48,413.16	\$28,072.92	\$20,340.24	\$48,595.45	\$28,072.92	\$20,522.53	\$182.29	0.4%
1,500	750,000	\$72,575.04	\$42,109.38	\$30,465.66	\$72,848.48	\$42,109.38	\$30,739.10	\$273.44	0.4%
2,500	1,250,000	\$120,898.78	\$70,182.29	\$50,716.49	\$121,354.51	\$70,182.29	\$51,172.22	\$455.73	0.4%

Present Rates

Customer Charge		\$825.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$3.23
Transmission Energy Charge	kWh x	\$0.00842
Distribution Demand Charge - > 200 kW	kW x	\$3.70
Distribution Energy Charge	kWh x	\$0.00590
Transition Energy Charge	kWh x	\$0.00162
Energy Efficiency Program Charge (1)	kWh x	\$0.00906
Renewable Energy Distribution Charge	kWh x	\$0.00002

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.05390

Proposed Rates

Customer Charge		\$825.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$3.23
Transmission Energy Charge	kWh x	\$0.00842
Distribution Demand Charge - > 200 kW	kW x	\$3.70
Distribution Energy Charge	kWh x	\$0.00590
Transition Energy Charge	kWh x	\$0.00162
Proposed Energy Efficiency Program Charge (2)	kWh x	\$0.00941
Renewable Energy Distribution Charge	kW x	\$0.00002

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.05390

Note (1): Consists of the the current Energy Efficiency Program Charge of 0.876¢/kWh plus the Renewables Charge of 0.03¢/kWh

Note (2): Consists of the the proposed Energy Efficiency Program Charge of 0.911¢/kWh plus the Renewables Charge of 0.03¢/kWh

S:\2013 neco\Energy Efficiency (4451)\[TypicalBills.XLS]Input Section

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	\$11,398.32	\$6,737.50	\$4,660.82	\$11,442.07	\$6,737.50	\$4,704.57	\$43.75	0.4%
750	450,000	\$42,497.85	\$25,265.63	\$17,232.22	\$42,661.91	\$25,265.63	\$17,396.28	\$164.06	0.4%
1,000	600,000	\$56,633.99	\$33,687.50	\$22,946.49	\$56,852.74	\$33,687.50	\$23,165.24	\$218.75	0.4%
1,500	900,000	\$84,906.28	\$50,531.25	\$34,375.03	\$85,234.41	\$50,531.25	\$34,703.16	\$328.13	0.4%
2,500	1,500,000	\$141,450.87	\$84,218.75	\$57,232.12	\$141,997.74	\$84,218.75	\$57,778.99	\$546.87	0.4%

Present Rates

Customer Charge		\$825.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$3.23
Transmission Energy Charge	kWh x	\$0.00842
Distribution Demand Charge - > 200 kW	kW x	\$3.70
Distribution Energy Charge	kWh x	\$0.00590
Transition Energy Charge	kWh x	\$0.00162
Energy Efficiency Program Charge (1)	kWh x	\$0.00906
Renewable Energy Distribution Charge	kWh x	\$0.00002

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.05390

Proposed Rates

Customer Charge		\$825.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$3.23
Transmission Energy Charge	kWh x	\$0.00842
Distribution Demand Charge - > 200 kW	kW x	\$3.70
Distribution Energy Charge	kWh x	\$0.00590
Transition Energy Charge	kWh x	\$0.00162
Proposed Energy Efficiency Program Charge (2)	kWh x	\$0.00941
Renewable Energy Distribution Charge	kW x	\$0.00002

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.05390

Note (1): Consists of the the current Energy Efficiency Program Charge of 0.876¢/kWh plus the Renewables Charge of 0.03¢/kWh

Note (2): Consists of the the proposed Energy Efficiency Program Charge of 0.911¢/kWh plus the Renewables Charge of 0.03¢/kWh

S:\2013 neco\Energy Efficiency (4451)\[TypicalBills.XLS]Input Section

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	\$82,642.95	\$33,687.50	\$48,955.45	\$82,861.70	\$33,687.50	\$49,174.20	\$218.75	0.3%
5,000	1,000,000	\$125,932.12	\$56,145.83	\$69,786.29	\$126,296.70	\$56,145.83	\$70,150.87	\$364.58	0.3%
7,500	1,500,000	\$180,043.58	\$84,218.75	\$95,824.83	\$180,590.46	\$84,218.75	\$96,371.71	\$546.88	0.3%
10,000	2,000,000	\$234,155.04	\$112,291.67	\$121,863.37	\$234,884.21	\$112,291.67	\$122,592.54	\$729.17	0.3%
20,000	4,000,000	\$450,600.88	\$224,583.33	\$226,017.55	\$452,059.21	\$224,583.33	\$227,475.88	\$1,458.33	0.3%

Present Rates

Customer Charge		\$17,000.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$3.23
Transmission Energy Charge	kWh x	\$0.00710
Distribution Demand Charge	kW x	\$3.31
Distribution Energy Charge	kWh x	(\$0.00051)
Transition Energy Charge	kWh x	\$0.00162
Energy Efficiency Program Charge (1)	kWh x	\$0.00906
Renewable Energy Distribution Charge	kWh x	\$0.00002

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.05390

Proposed Rates

Customer Charge		\$17,000.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$3.23
Transmission Energy Charge	kWh x	\$0.00710
Distribution Demand Charge	kW x	\$3.31
Distribution Energy Charge	kWh x	(\$0.00051)
Transition Energy Charge	kWh x	\$0.00162
Proposed Energy Efficiency Program Charge (2)	kWh x	\$0.00941
Renewable Energy Distribution Charge	kW x	\$0.00002

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.05390

Note (1): Consists of the the current Energy Efficiency Program Charge of 0.876¢/kWh plus the Renewables Charge of 0.03¢/kWh

Note (2): Consists of the the proposed Energy Efficiency Program Charge of 0.911¢/kWh plus the Renewables Charge of 0.03¢/kWh

S:\2013 neco\Energy Efficiency (4451)\[TypicalBills.XLS]Input Section

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	\$104,889.83	\$50,531.25	\$54,358.58	\$105,217.95	\$50,531.25	\$54,686.70	\$328.12	0.3%
5,000	1,500,000	\$163,010.24	\$84,218.75	\$78,791.49	\$163,557.12	\$84,218.75	\$79,338.37	\$546.88	0.3%
7,500	2,250,000	\$235,660.77	\$126,328.13	\$109,332.64	\$236,481.09	\$126,328.13	\$110,152.96	\$820.32	0.3%
10,000	3,000,000	\$308,311.29	\$168,437.50	\$139,873.79	\$309,405.04	\$168,437.50	\$140,967.54	\$1,093.75	0.4%
20,000	6,000,000	\$598,913.38	\$336,875.00	\$262,038.38	\$601,100.88	\$336,875.00	\$264,225.88	\$2,187.50	0.4%

Present Rates

Customer Charge		\$17,000.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$3.23
Transmission Energy Charge	kWh x	\$0.00710
Distribution Demand Charge	kW x	\$3.31
Distribution Energy Charge	kWh x	(\$0.00051)
Transition Energy Charge	kWh x	\$0.00162
Energy Efficiency Program Charge (1)	kWh x	\$0.00906
Renewable Energy Distribution Charge	kWh x	\$0.00002

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.05390

Proposed Rates

Customer Charge		\$17,000.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$3.23
Transmission Energy Charge	kWh x	\$0.00710
Distribution Demand Charge	kW x	\$3.31
Distribution Energy Charge	kWh x	(\$0.00051)
Transition Energy Charge	kWh x	\$0.00162
Proposed Energy Efficiency Program Charge (2)	kWh x	\$0.00941
Renewable Energy Distribution Charge	kW x	\$0.00002

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.05390

Note (1): Consists of the the current Energy Efficiency Program Charge of 0.876¢/kWh plus the Renewables Charge of 0.03¢/kWh

Note (2): Consists of the the proposed Energy Efficiency Program Charge of 0.911¢/kWh plus the Renewables Charge of 0.03¢/kWh

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

Hours Use: 400

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	1,200,000	\$127,136.70	\$67,375.00	\$59,761.70	\$127,574.20	\$67,375.00	\$60,199.20	\$437.50	0.3%
5,000	2,000,000	\$200,088.37	\$112,291.67	\$87,796.70	\$200,817.54	\$112,291.67	\$88,525.87	\$729.17	0.4%
7,500	3,000,000	\$291,277.96	\$168,437.50	\$122,840.46	\$292,371.71	\$168,437.50	\$123,934.21	\$1,093.75	0.4%
10,000	4,000,000	\$382,467.54	\$224,583.33	\$157,884.21	\$383,925.87	\$224,583.33	\$159,342.54	\$1,458.33	0.4%
20,000	8,000,000	\$747,225.89	\$449,166.67	\$298,059.22	\$750,142.55	\$449,166.67	\$300,975.88	\$2,916.66	0.4%

Present Rates

Customer Charge		\$17,000.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$3.23
Transmission Energy Charge	kWh x	\$0.00710
Distribution Demand Charge	kW x	\$3.31
Distribution Energy Charge	kWh x	(\$0.00051)
Transition Energy Charge	kWh x	\$0.00162
Energy Efficiency Program Charge (1)	kWh x	\$0.00906
Renewable Energy Distribution Charge	kWh x	\$0.00002

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.05390

Proposed Rates

Customer Charge		\$17,000.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$3.23
Transmission Energy Charge	kWh x	\$0.00710
Distribution Demand Charge	kW x	\$3.31
Distribution Energy Charge	kWh x	(\$0.00051)
Transition Energy Charge	kWh x	\$0.00162
Proposed Energy Efficiency Program Charge (2)	kWh x	\$0.00941
Renewable Energy Distribution Charge	kW x	\$0.00002

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.05390

Note (1): Consists of the the current Energy Efficiency Program Charge of 0.876¢/kWh plus the Renewables Charge of 0.03¢/kWh

Note (2): Consists of the the proposed Energy Efficiency Program Charge of 0.911¢/kWh plus the Renewables Charge of 0.03¢/kWh

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

Hours Use: 500

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	1,500,000	\$149,383.58	\$84,218.75	\$65,164.83	\$149,930.45	\$84,218.75	\$65,711.70	\$546.87	0.4%
5,000	2,500,000	\$237,166.49	\$140,364.58	\$96,801.91	\$238,077.95	\$140,364.58	\$97,713.37	\$911.46	0.4%
7,500	3,750,000	\$346,895.15	\$210,546.88	\$136,348.27	\$348,262.34	\$210,546.88	\$137,715.46	\$1,367.19	0.4%
10,000	5,000,000	\$456,623.79	\$280,729.17	\$175,894.62	\$458,446.71	\$280,729.17	\$177,717.54	\$1,822.92	0.4%
20,000	10,000,000	\$895,538.38	\$561,458.33	\$334,080.05	\$899,184.21	\$561,458.33	\$337,725.88	\$3,645.83	0.4%

Present Rates

Customer Charge		\$17,000.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$3.23
Transmission Energy Charge	kWh x	\$0.00710
Distribution Demand Charge	kW x	\$3.31
Distribution Energy Charge	kWh x	(\$0.00051)
Transition Energy Charge	kWh x	\$0.00162
Energy Efficiency Program Charge (1)	kWh x	\$0.00906
Renewable Energy Distribution Charge	kWh x	\$0.00002

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.05390

Proposed Rates

Customer Charge		\$17,000.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$3.23
Transmission Energy Charge	kWh x	\$0.00710
Distribution Demand Charge	kW x	\$3.31
Distribution Energy Charge	kWh x	(\$0.00051)
Transition Energy Charge	kWh x	\$0.00162
Proposed Energy Efficiency Program Charge (2)	kWh x	\$0.00941
Renewable Energy Distribution Charge	kW x	\$0.00002

Gross Earnings Tax 4%

Standard Offer Charge kWh x \$0.05390

Note (1): Consists of the the current Energy Efficiency Program Charge of 0.876¢/kWh plus the Renewables Charge of 0.03¢/kWh

Note (2): Consists of the the proposed Energy Efficiency Program Charge of 0.911¢/kWh plus the Renewables Charge of 0.03¢/kWh

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

Hours Use: 600

Monthly Power		Present Rates			Proposed Rates			Increase/(Decrease)	
kW	kWh	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
3,000	1,800,000	\$171,630.45	\$101,062.50	\$70,567.95	\$172,286.70	\$101,062.50	\$71,224.20	\$656.25	0.4%
5,000	3,000,000	\$274,244.62	\$168,437.50	\$105,807.12	\$275,338.37	\$168,437.50	\$106,900.87	\$1,093.75	0.4%
7,500	4,500,000	\$402,512.33	\$252,656.25	\$149,856.08	\$404,152.96	\$252,656.25	\$151,496.71	\$1,640.63	0.4%
10,000	6,000,000	\$530,780.04	\$336,875.00	\$193,905.04	\$532,967.54	\$336,875.00	\$196,092.54	\$2,187.50	0.4%
20,000	12,000,000	\$1,043,850.88	\$673,750.00	\$370,100.88	\$1,048,225.88	\$673,750.00	\$374,475.88	\$4,375.00	0.4%

Present Rates

Customer Charge		\$17,000.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$3.23
Transmission Energy Charge	kWh x	\$0.00710
Distribution Demand Charge	kW x	\$3.31
Distribution Energy Charge	kWh x	(\$0.00051)
Transition Energy Charge	kWh x	\$0.00162
Energy Efficiency Program Charge (1)	kWh x	\$0.00906
Renewable Energy Distribution Charge	kWh x	\$0.00002
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.05390

Proposed Rates

Customer Charge		\$17,000.00
LIHEAP Charge		\$0.83
Transmission Demand Charge	kW x	\$3.23
Transmission Energy Charge	kWh x	\$0.00710
Distribution Demand Charge	kW x	\$3.31
Distribution Energy Charge	kWh x	(\$0.00051)
Transition Energy Charge	kWh x	\$0.00162
Proposed Energy Efficiency Program Charge (2)	kWh x	\$0.00941
Renewable Energy Distribution Charge	kW x	\$0.00002
Gross Earnings Tax		4%
Standard Offer Charge	kWh x	\$0.05390

Note (1): Consists of the the current Energy Efficiency Program Charge of 0.876¢/kWh plus the Renewables Charge of 0.03¢/kWh

Note (2): Consists of the the proposed Energy Efficiency Program Charge of 0.911¢/kWh plus the Renewables Charge of 0.03¢/kWh