

December 8, 2010

**VIA HAND DELIVERY & ELECTRONIC MAIL**

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

**RE: Docket 4209 Energy Efficiency Program Plan for 2011  
Responses to Commission Data Request 1-4**

Dear Ms. Massaro:

On behalf of National Grid<sup>1</sup>, enclosed please find ten (10) copies of the Company's response to Commission 1-4.

This transmittal completes the Company's responses to the Commission's First Set of Data Requests in the above-referenced proceeding.

Thank you for your attention to this matter. If you have any questions regarding this revision, please feel free to contact me at (401) 784-7667.

Very truly yours,



Thomas R. Teehan

Enclosures

Cc: Docket 4209 Service List  
Leo Wold, Esq.  
Steve Scialabba, Division

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<sup>1</sup> The Narragansett Electric Company d/b/a National Grid ("Company").

Commission 1-4

Request:

For both gas and electric, please provide the bill impacts for various levels of consumption for various rate classes of the proposed increase in energy efficiency funding.

Response:

Please see Attachments 1-4 Electric and 1-4 Gas which provide the requested incremental bill impacts for various levels of consumption for each rate class for the proposed increase in energy efficiency funding for electric and gas customers, respectively, in Rhode Island.

The attached bill impacts indicate the effect of the proposed funding on customers who do not participate in the Company's energy efficiency programs. The bill impact analysis does not show or capture the monetized benefits of energy efficiency that accrue to participating and non-participating electric and natural gas customers over the lifetime of the efficiency measures.

Monetized benefits to efficiency program participants not shown in the bill impact analysis include: the avoided cost of energy (MWh), the avoided cost of capacity (MW), and reduced fossil fuel use. Given these benefits, participating customers realize lower total energy bills over the lifetime of the energy efficiency measures compared to non-participants. Participating customers also realize cost savings from reduced water and sewer use and decreased operation and maintenance costs. In addition, all electric and natural gas customers, including non-participants, accrue the following benefits: reduced transmission and distribution costs, improved system reliability, and reduced electric prices through the demand-reduction induced price effect (DRIPE).

The aforementioned benefits are all included in the Total Resource Cost Test (the methodology approved by the Commission to use in determining whether energy efficiency investments are cost-effective and cheaper than supply under the law).

File: S:\RADATA\2010 neco\Energy Efficiency\Discovery\Comm 1-4\Comm 1-4 typbills.xls\Input Section  
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Time: 11:01 AM

Calculation of Monthly Typical Bill  
Comparison of Present and Proposed Rates  
Impact on A-16 Rate Customers

Monthly kWh	Present Rates			Proposed Rates			Increase/(Decrease)		Percentage of Custs
	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total	
120	\$22.65	\$11.86	\$10.79	\$22.91	\$11.86	\$11.05	\$0.26	1.1%	9.0%
240	\$41.40	\$23.72	\$17.68	\$41.91	\$23.72	\$18.19	\$0.51	1.2%	15.7%
500	\$82.01	\$49.42	\$32.59	\$83.09	\$49.42	\$33.67	\$1.08	1.3%	38.2%
700	\$113.26	\$69.19	\$44.07	\$114.76	\$69.19	\$45.57	\$1.50	1.3%	20.2%
950	\$152.31	\$93.90	\$58.41	\$154.35	\$93.90	\$60.45	\$2.04	1.3%	14.6%
1,000	\$160.12	\$98.84	\$61.28	\$162.27	\$98.84	\$63.43	\$2.15	1.3%	2.3%

Present Rates:

Customer Charge		\$3.75
Transmission Energy Charge (1)	kWh x	\$0.01569
Distribution Energy Charge	kWh x	\$0.03521
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (2)	kWh x	\$0.00350
Gross Earnings Tax		4.00%
Standard Offer Charge (4)	kWh x	\$0.09489

Proposed Rates

Customer Charge		\$3.75
Transmission Energy Charge (1)	kWh x	\$0.01569
Distribution Energy Charge	kWh x	\$0.03521
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (3)	kWh x	\$0.00556
Gross Earnings Tax		4.00%
Standard Offer Charge (4)	kWh x	\$0.09489

Note (1): Includes Transmission Adjustment Factor of \$0.00001/kWh and Transmission Uncollectible Factor of \$0.00014/kWh

Note (2): Includes Energy Efficiency Program Charge of \$0.00320 and Renewables Charge of \$0.00030

Note (3): Includes Energy Efficiency Program Charge of \$0.00526 and Renewables Charge of \$0.00030

Note (4): Includes Standard Offer Charge of \$0.09115/kWh, Standard Offer Adjustment Factor of \$0.00134/kWh, Standard Offer Service Administrative Cost Factor of \$0.00117/kWh, and Renewable Energy Standard Charge of \$0.00123/kWh

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Calculation of Monthly Typical Bill  
Comparison of Present and Proposed Rates  
Impact on A-60 Rate Customers

Monthly kWh	Present Rates			Proposed Rates			Increase/(Decrease)	
	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total
100	\$13.71	\$9.88	\$3.83	\$13.92	\$9.88	\$4.04	\$0.21	1.5%
200	\$27.43	\$19.77	\$7.66	\$27.86	\$19.77	\$8.09	\$0.43	1.6%
300	\$41.14	\$29.65	\$11.49	\$41.78	\$29.65	\$12.13	\$0.64	1.6%
500	\$68.57	\$49.42	\$19.15	\$69.64	\$49.42	\$20.22	\$1.07	1.6%
750	\$102.85	\$74.13	\$28.72	\$104.46	\$74.13	\$30.33	\$1.61	1.6%
1000	\$137.13	\$98.84	\$38.29	\$139.28	\$98.84	\$40.44	\$2.15	1.6%

Present Rates:

Customer Charge		\$0.00
Transmission Energy Charge (1)	kWh x	\$0.01569
Distribution Energy Charge	kWh x	\$0.01689
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (2)	kWh x	\$0.00350

Gross Earnings Tax 4.0%

Standard Offer Charge (4) kWh x \$0.09489

Proposed Rates

Customer Charge		\$0.00
Transmission Energy Charge (1)	kWh x	\$0.01569
Distribution Energy Charge	kWh x	\$0.01689
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (3)	kWh x	\$0.00556

Gross Earnings Tax 4.0%

Standard Offer Charge (4) kWh x \$0.09489

Note (1): Includes Transmission Adjustment Factor of \$0.00001/kWh and Transmission Uncollectible Factor of \$0.00014/kWh

Note (2): Includes Energy Efficiency Program Charge of \$0.00320 and Renewables Charge of \$0.00030

Note (3): Includes Energy Efficiency Program Charge of \$0.00526 and Renewables Charge of \$0.00030

Note (4): Includes Standard Offer Charge of \$0.09115/kWh, Standard Offer Adjustment Factor of \$0.00134/kWh, Standard Offer Service Administrative Cost Factor of \$0.00117/kWh, and Renewable Energy Standard Charge of \$0.00123/kWh

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Calculation of Monthly Typical Bill  
Comparison of Present and Proposed Rates  
Impact on C-06 Rate Customers

Monthly kWh	Present Rates			Proposed Rates			Increase/(Decrease)		Percentage of Custs
	Total	Standard Offer	Delivery	Total	Standard Offer	Delivery	Amount	% of Total	
250	\$46.88	\$24.71	\$22.17	\$47.42	\$24.71	\$22.71	\$0.54	1.2%	35.2%
500	\$85.43	\$49.42	\$36.01	\$86.50	\$49.42	\$37.08	\$1.07	1.3%	17.0%
1,000	\$162.52	\$98.84	\$63.68	\$164.66	\$98.84	\$65.82	\$2.14	1.3%	19.0%
1,500	\$239.62	\$148.27	\$91.35	\$242.84	\$148.27	\$94.57	\$3.22	1.3%	9.8%
2,000	\$316.71	\$197.69	\$119.02	\$321.00	\$197.69	\$123.31	\$4.29	1.4%	19.1%

Present Rates:

Customer Charge		\$8.00
Transmission Energy Charge (1)	kWh x	\$0.01579
Distribution Energy Charge	kWh x	\$0.03316
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (2)	kWh x	\$0.00350
Gross Earnings Tax		4.00%
Standard Offer Charge (4)	kWh x	\$0.09489

Proposed Rates

Customer Charge		\$8.00
Transmission Energy Charge (1)	kWh x	\$0.01579
Distribution Energy Charge	kWh x	\$0.03316
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (3)	kWh x	\$0.00556
Gross Earnings Tax		4.00%
Standard Offer Charge (4)	kWh x	\$0.09489

Note (1): Includes Transmission Adjustment Factor of \$0.00001/kWh and Transmission Uncollectible Factor of \$0.00014/kWh

Note (2): Includes Energy Efficiency Program Charge of \$0.00320 and Renewables Charge of \$0.00030

Note (3): Includes Energy Efficiency Program Charge of \$0.00526 and Renewables Charge of \$0.00030

Note (4): Includes Standard Offer Charge of \$0.09115/kWh, Standard Offer Adjustment Factor of \$0.00134/kWh, Standard Offer Service Administrative Cost Factor of \$0.00117/kWh, and Renewable Energy Standard Charge of \$0.00123/kWh

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Calculation of Monthly Typical Bill  
Comparison of Present and Proposed Rates  
Impact on 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	\$622.87	\$320.58	\$302.29	\$631.46	\$320.58	\$310.88	\$8.59	1.4%
50	10,000	\$1,432.19	\$801.46	\$630.73	\$1,453.65	\$801.46	\$652.19	\$21.46	1.5%
100	20,000	\$2,781.05	\$1,602.92	\$1,178.13	\$2,823.96	\$1,602.92	\$1,221.04	\$42.91	1.5%
150	30,000	\$4,129.90	\$2,404.38	\$1,725.52	\$4,194.28	\$2,404.38	\$1,789.90	\$64.38	1.6%

Present Rates:

Customer Charge		\$125.00
Transmission Demand Charge	kW x	\$2.29
Transmission Energy Charge (1)	kWh x	\$0.00671
Distribution Demand Charge-xcs 10 kW	kW x	\$4.50
Distribution Energy Charge	kWh x	\$0.00771
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (2)	kWh x	\$0.00350

Gross Earnings Tax 4.00%

Standard Offer Charge (4) kWh x \$0.07694

Proposed Rates

Customer Charge		\$125.00
Transmission Demand Charge	kW x	\$2.29
Transmission Energy Charge (1)	kWh x	\$0.00671
Distribution Demand Charge-xcs 10 kW	kW x	\$4.50
Distribution Energy Charge	kWh x	\$0.00771
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (3)	kWh x	\$0.00556

Gross Earnings Tax 4.00%

Standard Offer Charge (4) kWh x \$0.07694

Note (1): Includes Transmission Adjustment Factor of \$0.00001/kWh and Transmission Uncollectible Factor of \$0.00013/kWh

Note (2): Includes Energy Efficiency Program Charge of \$0.00320 and Renewables Charge of \$0.00030

Note (3): Includes Energy Efficiency Program Charge of \$0.00526 and Renewables Charge of \$0.00030

Note (4): Includes October Standard Offer Service Charge of \$0.07325/kWh , Renewable Energy Standard Charge of \$0.00123/kWh, Standard Offer Adjustment Factor of \$0.00144/kWh and Standard Offer Service Administrative Cost Factor of \$0.00102 /kWh

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Calculation of Monthly Typical Bill  
Comparison of Present and Proposed Rates  
Impact on 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	\$821.92	\$480.88	\$341.04	\$834.80	\$480.88	\$353.92	\$12.88	1.6%
50	15,000	\$1,929.79	\$1,202.19	\$727.60	\$1,961.98	\$1,202.19	\$759.79	\$32.19	1.7%
100	30,000	\$3,776.26	\$2,404.38	\$1,371.88	\$3,840.63	\$2,404.38	\$1,436.25	\$64.37	1.7%
150	45,000	\$5,622.71	\$3,606.56	\$2,016.15	\$5,719.27	\$3,606.56	\$2,112.71	\$96.56	1.7%

Present Rates:

Customer Charge		\$125.00
Transmission Demand Charge	kW x	\$2.29
Transmission Energy Charge (1)	kWh x	\$0.00671
Distribution Demand Charge-xcs 10 kW	kW x	\$4.50
Distribution Energy Charge	kWh x	\$0.00771
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (2)	kWh x	\$0.00350
Gross Earnings Tax		4.00%
Standard Offer Charge (4)	kWh x	\$0.07694

Proposed Rates

Customer Charge		\$125.00
Transmission Demand Charge	kW x	\$2.29
Transmission Energy Charge (1)	kWh x	\$0.00671
Distribution Demand Charge-xcs 10 kW	kW x	\$4.50
Distribution Energy Charge	kWh x	\$0.00771
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (3)	kWh x	\$0.00556
Gross Earnings Tax		4.00%
Standard Offer Charge (4)	kWh x	\$0.07694

Note (1): Includes Transmission Adjustment Factor of \$0.00001/kWh and Transmission Uncollectible Factor of \$0.00013/kWh

Note (2): Includes Energy Efficiency Program Charge of \$0.00320 and Renewables Charge of \$0.00030

Note (3): Includes Energy Efficiency Program Charge of \$0.00526 and Renewables Charge of \$0.00030

Note (4): Includes October Standard Offer Service Charge of \$0.07325/kWh , Renewable Energy Standard Charge of \$0.00123/kWh, Standard Offer Adjustment Factor of \$0.00144/kWh and Standard Offer Service Administrative Cost Factor of \$0.00102 /kWh

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Calculation of Monthly Typical Bill  
Comparison of Present and Proposed Rates  
Impact on 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	\$1,020.96	\$641.17	\$379.79	\$1,038.13	\$641.17	\$396.96	\$17.17	1.7%
50	20,000	\$2,427.40	\$1,602.92	\$824.48	\$2,470.32	\$1,602.92	\$867.40	\$42.92	1.8%
100	40,000	\$4,771.46	\$3,205.83	\$1,565.63	\$4,857.29	\$3,205.83	\$1,651.46	\$85.83	1.8%
150	60,000	\$7,115.52	\$4,808.75	\$2,306.77	\$7,244.27	\$4,808.75	\$2,435.52	\$128.75	1.8%

Present Rates:

Customer Charge		\$125.00
Transmission Demand Charge	kW x	\$2.29
Transmission Energy Charge (1)	kWh x	\$0.00671
Distribution Demand Charge-xcs 10 kW	kW x	\$4.50
Distribution Energy Charge	kWh x	\$0.00771
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (2)	kWh x	\$0.00350

Gross Earnings Tax 4.00%

Standard Offer Charge (4) kWh x \$0.07694

Proposed Rates

Customer Charge		\$125.00
Transmission Demand Charge	kW x	\$2.29
Transmission Energy Charge (1)	kWh x	\$0.00671
Distribution Demand Charge-xcs 10 kW	kW x	\$4.50
Distribution Energy Charge	kWh x	\$0.00771
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (3)	kWh x	\$0.00556

Gross Earnings Tax 4.00%

Standard Offer Charge (4) kWh x \$0.07694

Note (1): Includes Transmission Adjustment Factor of \$0.00001/kWh and Transmission Uncollectible Factor of \$0.00013/kWh

Note (2): Includes Energy Efficiency Program Charge of \$0.00320 and Renewables Charge of \$0.00030

Note (3): Includes Energy Efficiency Program Charge of \$0.00526 and Renewables Charge of \$0.00030

Note (4): Includes October Standard Offer Service Charge of \$0.07325/kWh , Renewable Energy Standard Charge of \$0.00123/kWh, Standard Offer Adjustment Factor of \$0.00144/kWh and Standard Offer Service Administrative Cost Factor of \$0.00102 /kWh



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Calculation of Monthly Typical Bill  
Comparison of Present and Proposed Rates  
Impact on 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	\$1,220.00	\$801.46	\$418.54	\$1,241.46	\$801.46	\$440.00	\$21.46	1.8%
50	25,000	\$2,925.00	\$2,003.65	\$921.35	\$2,978.65	\$2,003.65	\$975.00	\$53.65	1.8%
100	50,000	\$5,766.67	\$4,007.29	\$1,759.38	\$5,873.96	\$4,007.29	\$1,866.67	\$107.29	1.9%
150	75,000	\$8,608.34	\$6,010.94	\$2,597.40	\$8,769.27	\$6,010.94	\$2,758.33	\$160.93	1.9%

Present Rates:

Customer Charge		\$125.00
Transmission Demand Charge	kW x	\$2.29
Transmission Energy Charge (1)	kWh x	\$0.00671
Distribution Demand Charge-xcs 10 kW	kW x	\$4.50
Distribution Energy Charge	kWh x	\$0.00771
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (2)	kWh x	\$0.00350

Gross Earnings Tax 4.00%

Standard Offer Charge (4) kWh x \$0.07694

Proposed Rates

Customer Charge		\$125.00
Transmission Demand Charge	kW x	\$2.29
Transmission Energy Charge (1)	kWh x	\$0.00671
Distribution Demand Charge-xcs 10 kW	kW x	\$4.50
Distribution Energy Charge	kWh x	\$0.00771
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (3)	kWh x	\$0.00556

Gross Earnings Tax 4.00%

Standard Offer Charge (4) kWh x \$0.07694

Note (1): Includes Transmission Adjustment Factor of \$0.00001/kWh and Transmission Uncollectible Factor of \$0.00013/kWh

Note (2): Includes Energy Efficiency Program Charge of \$0.00320 and Renewables Charge of \$0.00030

Note (3): Includes Energy Efficiency Program Charge of \$0.00526 and Renewables Charge of \$0.00030

Note (4): Includes October Standard Offer Service Charge of \$0.07325/kWh , Renewable Energy Standard Charge of \$0.00123/kWh, Standard Offer Adjustment Factor of \$0.00144/kWh and Standard Offer Service Administrative Cost Factor of \$0.00102 /kWh

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Calculation of Monthly Typical Bill  
Comparison of Present and Proposed Rates  
Impact on 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	\$1,419.04	\$961.75	\$457.29	\$1,444.79	\$961.75	\$483.04	\$25.75	1.8%
50	30,000	\$3,422.61	\$2,404.38	\$1,018.23	\$3,486.98	\$2,404.38	\$1,082.60	\$64.37	1.9%
100	60,000	\$6,761.88	\$4,808.75	\$1,953.13	\$6,890.63	\$4,808.75	\$2,081.88	\$128.75	1.9%
150	90,000	\$10,101.15	\$7,213.13	\$2,888.02	\$10,294.28	\$7,213.13	\$3,081.15	\$193.13	1.9%

Present Rates:

Customer Charge		\$125.00
Transmission Demand Charge	kW x	\$2.29
Transmission Energy Charge (1)	kWh x	\$0.00671
Distribution Demand Charge-xcs 10 kW	kW x	\$4.50
Distribution Energy Charge	kWh x	\$0.00771
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (2)	kWh x	\$0.00350
Gross Earnings Tax		4.00%
Standard Offer Charge (4)	kWh x	\$0.07694

Proposed Rates

Customer Charge		\$125.00
Transmission Demand Charge	kW x	\$2.29
Transmission Energy Charge (1)	kWh x	\$0.00671
Distribution Demand Charge-xcs 10 kW	kW x	\$4.50
Distribution Energy Charge	kWh x	\$0.00771
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (3)	kWh x	\$0.00556
Gross Earnings Tax		4.00%
Standard Offer Charge (4)	kWh x	\$0.07694

Note (1): Includes Transmission Adjustment Factor of \$0.00001/kWh and Transmission Uncollectible Factor of \$0.00013/kWh

Note (2): Includes Energy Efficiency Program Charge of \$0.00320 and Renewables Charge of \$0.00030

Note (3): Includes Energy Efficiency Program Charge of \$0.00526 and Renewables Charge of \$0.00030

Note (4): Includes October Standard Offer Service Charge of \$0.07325/kWh , Renewable Energy Standard Charge of \$0.00123/kWh, Standard Offer Adjustment Factor of \$0.00144/kWh and Standard Offer Service Administrative Cost Factor of \$0.00102 /kWh

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Calculation of Monthly Typical Bill  
Comparison of Present and Proposed Rates  
Impact on 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	\$5,239.58	\$3,205.83	\$2,033.75	\$5,325.41	\$3,205.83	\$2,119.58	\$85.83	1.6%
750	150,000	\$18,645.84	\$12,021.88	\$6,623.96	\$18,967.71	\$12,021.88	\$6,945.83	\$321.87	1.7%
1,000	200,000	\$24,739.59	\$16,029.17	\$8,710.42	\$25,168.75	\$16,029.17	\$9,139.58	\$429.16	1.7%
1,500	300,000	\$36,927.08	\$24,043.75	\$12,883.33	\$37,570.83	\$24,043.75	\$13,527.08	\$643.75	1.7%
2,500	500,000	\$61,302.09	\$40,072.92	\$21,229.17	\$62,375.00	\$40,072.92	\$22,302.08	\$1,072.91	1.8%

Present Rates:

Customer Charge		\$750.00
Transmission Demand Charge	kW x	\$2.28
Transmission Energy Charge (1)	kWh x	\$0.00575
Distribution Demand Charge - > 200 kW	kW x	\$2.00
Distribution Energy Charge	kWh x	\$0.00873
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (2)	kWh x	\$0.00350

Proposed Rates

Customer Charge		\$750.00
Transmission Demand Charge	kW x	\$2.28
Transmission Energy Charge (1)	kWh x	\$0.00575
Distribution Demand Charge - > 200 kW	kW x	\$2.00
Distribution Energy Charge	kWh x	\$0.00873
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (3)	kWh x	\$0.00556

Gross Earnings Tax 4%

Gross Earnings Tax 4%

Standard Offer Charge (4) kWh x \$0.07694

Standard Offer Charge (4) kWh x \$0.07694

Note (1): Includes Transmission Adjustment Factor of \$0.00001/kWh and Transmission Uncollectible Factor of \$0.00011/kWh

Note (2): Includes Energy Efficiency Program Charge of \$0.00320 and Renewables Charge of \$0.00030

Note (3): Includes Energy Efficiency Program Charge of \$0.00526 and Renewables Charge of \$0.00030

Note (4): Includes October Standard Offer Service Charge of \$0.07325/kWh , Renewable Energy Standard Charge of \$0.00123/kWh, Standard Offer Adjustment Factor of \$0.00144/kWh and Standard Offer Service Administrative Cost Factor of \$0.00102 /kWh

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Calculation of Monthly Typical Bill  
Comparison of Present and Proposed Rates  
Impact on 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	\$7,231.25	\$4,808.75	\$2,422.50	\$7,360.00	\$4,808.75	\$2,551.25	\$128.75	1.8%
750	225,000	\$26,114.58	\$18,032.81	\$8,081.77	\$26,597.39	\$18,032.81	\$8,564.58	\$482.81	1.8%
1,000	300,000	\$34,697.92	\$24,043.75	\$10,654.17	\$35,341.67	\$24,043.75	\$11,297.92	\$643.75	1.9%
1,500	450,000	\$51,864.59	\$36,065.63	\$15,798.96	\$52,830.21	\$36,065.63	\$16,764.58	\$965.62	1.9%
2,500	750,000	\$86,197.92	\$60,109.38	\$26,088.54	\$87,807.30	\$60,109.38	\$27,697.92	\$1,609.38	1.9%

Present Rates:

Customer Charge		\$750.00
Transmission Demand Charge	kW x	\$2.28
Transmission Energy Charge (1)	kWh x	\$0.00575
Distribution Demand Charge - > 200 kW	kW x	\$2.00
Distribution Energy Charge	kWh x	\$0.00873
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (2)	kWh x	\$0.00350

Proposed Rates

Customer Charge		\$750.00
Transmission Demand Charge	kW x	\$2.28
Transmission Energy Charge (1)	kWh x	\$0.00575
Distribution Demand Charge - > 200 kW	kW x	\$2.00
Distribution Energy Charge	kWh x	\$0.00873
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (3)	kWh x	\$0.00556

Gross Earnings Tax 4%

Gross Earnings Tax 4%

Standard Offer Charge (4) kWh x \$0.07694

Standard Offer Charge (4) kWh x \$0.07694

Note (1): Includes Transmission Adjustment Factor of \$0.00001/kWh and Transmission Uncollectible Factor of \$0.00011/kWh

Note (2): Includes Energy Efficiency Program Charge of \$0.00320 and Renewables Charge of \$0.00030

Note (3): Includes Energy Efficiency Program Charge of \$0.00526 and Renewables Charge of \$0.00030

Note (4): Includes October Standard Offer Service Charge of \$0.07325/kWh , Renewable Energy Standard Charge of \$0.00123/kWh, Standard Offer Adjustment Factor of \$0.00144/kWh and Standard Offer Service Administrative Cost Factor of \$0.00102 /kWh

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Calculation of Monthly Typical Bill  
Comparison of Present and Proposed Rates  
Impact on 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	\$9,222.92	\$6,411.67	\$2,811.25	\$9,394.59	\$6,411.67	\$2,982.92	\$171.67	1.9%
750	300,000	\$33,583.33	\$24,043.75	\$9,539.58	\$34,227.08	\$24,043.75	\$10,183.33	\$643.75	1.9%
1,000	400,000	\$44,656.25	\$32,058.33	\$12,597.92	\$45,514.58	\$32,058.33	\$13,456.25	\$858.33	1.9%
1,500	600,000	\$66,802.08	\$48,087.50	\$18,714.58	\$68,089.58	\$48,087.50	\$20,002.08	\$1,287.50	1.9%
2,500	1,000,000	\$111,093.75	\$80,145.83	\$30,947.92	\$113,239.58	\$80,145.83	\$33,093.75	\$2,145.83	1.9%

Present Rates:

Customer Charge		\$750.00
Transmission Demand Charge	kW x	\$2.28
Transmission Energy Charge (1)	kWh x	\$0.00575
Distribution Demand Charge - > 200 kW	kW x	\$2.00
Distribution Energy Charge	kWh x	\$0.00873
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (2)	kWh x	\$0.00350

Proposed Rates

Customer Charge		\$750.00
Transmission Demand Charge	kW x	\$2.28
Transmission Energy Charge (1)	kWh x	\$0.00575
Distribution Demand Charge - > 200 kW	kW x	\$2.00
Distribution Energy Charge	kWh x	\$0.00873
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (3)	kWh x	\$0.00556

Gross Earnings Tax 4%

Gross Earnings Tax 4%

Standard Offer Charge (4) kWh x \$0.07694

Standard Offer Charge (4) kWh x \$0.07694

Note (1): Includes Transmission Adjustment Factor of \$0.00001/kWh and Transmission Uncollectible Factor of \$0.00011/kWh

Note (2): Includes Energy Efficiency Program Charge of \$0.00320 and Renewables Charge of \$0.00030

Note (3): Includes Energy Efficiency Program Charge of \$0.00526 and Renewables Charge of \$0.00030

Note (4): Includes October Standard Offer Service Charge of \$0.07325/kWh , Renewable Energy Standard Charge of \$0.00123/kWh, Standard Offer Adjustment Factor of \$0.00144/kWh and Standard Offer Service Administrative Cost Factor of \$0.00102 /kWh

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Calculation of Monthly Typical Bill  
Comparison of Present and Proposed Rates  
Impact on 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	\$11,214.58	\$8,014.58	\$3,200.00	\$11,429.16	\$8,014.58	\$3,414.58	\$214.58	1.9%
750	375,000	\$41,052.09	\$30,054.69	\$10,997.40	\$41,856.77	\$30,054.69	\$11,802.08	\$804.68	2.0%
1,000	500,000	\$54,614.59	\$40,072.92	\$14,541.67	\$55,687.50	\$40,072.92	\$15,614.58	\$1,072.91	2.0%
1,500	750,000	\$81,739.59	\$60,109.38	\$21,630.21	\$83,348.96	\$60,109.38	\$23,239.58	\$1,609.37	2.0%
2,500	1,250,000	\$135,989.58	\$100,182.29	\$35,807.29	\$138,671.87	\$100,182.29	\$38,489.58	\$2,682.29	2.0%

Present Rates:

Customer Charge		\$750.00
Transmission Demand Charge	kW x	\$2.28
Transmission Energy Charge (1)	kWh x	\$0.00575
Distribution Demand Charge - > 200 kW	kW x	\$2.00
Distribution Energy Charge	kWh x	\$0.00873
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (2)	kWh x	\$0.00350

Proposed Rates

Customer Charge		\$750.00
Transmission Demand Charge	kW x	\$2.28
Transmission Energy Charge (1)	kWh x	\$0.00575
Distribution Demand Charge - > 200 kW	kW x	\$2.00
Distribution Energy Charge	kWh x	\$0.00873
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (3)	kWh x	\$0.00556

Gross Earnings Tax 4%

Gross Earnings Tax 4%

Standard Offer Charge (4) kWh x \$0.07694

Standard Offer Charge (4) kWh x \$0.07694

Note (1): Includes Transmission Adjustment Factor of \$0.00001/kWh and Transmission Uncollectible Factor of \$0.00011/kWh

Note (2): Includes Energy Efficiency Program Charge of \$0.00320 and Renewables Charge of \$0.00030

Note (3): Includes Energy Efficiency Program Charge of \$0.00526 and Renewables Charge of \$0.00030

Note (4): Includes October Standard Offer Service Charge of \$0.07325/kWh , Renewable Energy Standard Charge of \$0.00123/kWh, Standard Offer Adjustment Factor of \$0.00144/kWh and Standard Offer Service Administrative Cost Factor of \$0.00102 /kWh

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Calculation of Monthly Typical Bill  
Comparison of Present and Proposed Rates  
Impact on 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	\$13,206.25	\$9,617.50	\$3,588.75	\$13,463.75	\$9,617.50	\$3,846.25	\$257.50	1.9%
750	450,000	\$48,520.84	\$36,065.63	\$12,455.21	\$49,486.46	\$36,065.63	\$13,420.83	\$965.62	2.0%
1,000	600,000	\$64,572.92	\$48,087.50	\$16,485.42	\$65,860.42	\$48,087.50	\$17,772.92	\$1,287.50	2.0%
1,500	900,000	\$96,677.08	\$72,131.25	\$24,545.83	\$98,608.33	\$72,131.25	\$26,477.08	\$1,931.25	2.0%
2,500	1,500,000	\$160,885.42	\$120,218.75	\$40,666.67	\$164,104.17	\$120,218.75	\$43,885.42	\$3,218.75	2.0%

Present Rates:

Customer Charge		\$750.00
Transmission Demand Charge	kW x	\$2.28
Transmission Energy Charge (1)	kWh x	\$0.00575
Distribution Demand Charge - > 200 kW	kW x	\$2.00
Distribution Energy Charge	kWh x	\$0.00873
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (2)	kWh x	\$0.00350

Gross Earnings Tax 4%

Standard Offer Charge (4) kWh x \$0.07694

Proposed Rates

Customer Charge		\$750.00
Transmission Demand Charge	kW x	\$2.28
Transmission Energy Charge (1)	kWh x	\$0.00575
Distribution Demand Charge - > 200 kW	kW x	\$2.00
Distribution Energy Charge	kWh x	\$0.00873
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (3)	kWh x	\$0.00556

Gross Earnings Tax 4%

Standard Offer Charge (4) kWh x \$0.07694

Note (1): Includes Transmission Adjustment Factor of \$0.00001/kWh and Transmission Uncollectible Factor of \$0.00011/kWh

Note (2): Includes Energy Efficiency Program Charge of \$0.00320 and Renewables Charge of \$0.00030

Note (3): Includes Energy Efficiency Program Charge of \$0.00526 and Renewables Charge of \$0.00030

Note (4): Includes October Standard Offer Service Charge of \$0.07325/kWh , Renewable Energy Standard Charge of \$0.00123/kWh, Standard Offer Adjustment Factor of \$0.00144/kWh and Standard Offer Service Administrative Cost Factor of \$0.00102 /kWh

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Calculation of Monthly Typical Bill  
Comparison of Present and Proposed Rates  
Impact on 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	\$87,652.08	\$48,087.50	\$39,564.58	\$88,939.58	\$48,087.50	\$40,852.08	\$1,287.50	1.5%
5,000	1,000,000	\$134,281.25	\$80,145.83	\$54,135.42	\$136,427.08	\$80,145.83	\$56,281.25	\$2,145.83	1.6%
7,500	1,500,000	\$192,567.71	\$120,218.75	\$72,348.96	\$195,786.46	\$120,218.75	\$75,567.71	\$3,218.75	1.7%
10,000	2,000,000	\$250,854.17	\$160,291.67	\$90,562.50	\$255,145.84	\$160,291.67	\$94,854.17	\$4,291.67	1.7%
20,000	4,000,000	\$484,000.00	\$320,583.33	\$163,416.67	\$492,583.33	\$320,583.33	\$172,000.00	\$8,583.33	1.8%

Present Rates:

Customer Charge		\$17,000.00
Transmission Demand Charge	kW x	\$2.28
Transmission Energy Charge (1)	kWh x	\$0.00575
Distribution Demand Charge	kW x	\$2.69
Distribution Energy Charge	kWh x	\$0.00019
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (2)	kWh x	\$0.00350

Proposed Rates

Customer Charge		\$17,000.00
Transmission Demand Charge	kW x	\$2.28
Transmission Energy Charge (1)	kWh x	\$0.00575
Distribution Demand Charge	kW x	\$2.69
Distribution Energy Charge	kWh x	\$0.00019
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (3)	kWh x	\$0.00556

Gross Earnings Tax 4%

Gross Earnings Tax 4%

Standard Offer Charge (4) kWh x \$0.07694

Standard Offer Charge (4) kWh x \$0.07694

Note (1): Includes Transmission Adjustment Factor of \$0.00001/kWh and Transmission Uncollectible Factor of \$0.00011/kWh

Note (2): Includes Energy Efficiency Program Charge of \$0.00320 and Renewables Charge of \$0.00030

Note (3): Includes Energy Efficiency Program Charge of \$0.00526 and Renewables Charge of \$0.00030

Note (4): Includes October Standard Offer Service Charge of \$0.07325/kWh , Renewable Energy Standard Charge of \$0.00123/kWh, Standard Offer Adjustment Factor of \$0.00144/kWh and Standard Offer Service Administrative Cost Factor of \$0.00102 /kWh



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Calculation of Monthly Typical Bill  
Comparison of Present and Proposed Rates  
Impact on 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	\$114,858.33	\$72,131.25	\$42,727.08	\$116,789.58	\$72,131.25	\$44,658.33	\$1,931.25	1.7%
5,000	1,500,000	\$179,625.00	\$120,218.75	\$59,406.25	\$182,843.75	\$120,218.75	\$62,625.00	\$3,218.75	1.8%
7,500	2,250,000	\$260,583.34	\$180,328.13	\$80,255.21	\$265,411.46	\$180,328.13	\$85,083.33	\$4,828.12	1.9%
10,000	3,000,000	\$341,541.67	\$240,437.50	\$101,104.17	\$347,979.17	\$240,437.50	\$107,541.67	\$6,437.50	1.9%
20,000	6,000,000	\$665,375.00	\$480,875.00	\$184,500.00	\$678,250.00	\$480,875.00	\$197,375.00	\$12,875.00	1.9%

Present Rates:

Customer Charge		\$17,000.00
Transmission Demand Charge	kW x	\$2.28
Transmission Energy Charge (1)	kWh x	\$0.00575
Distribution Demand Charge	kW x	\$2.69
Distribution Energy Charge	kWh x	\$0.00019
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (2)	kWh x	\$0.00350

Proposed Rates

Customer Charge		\$17,000.00
Transmission Demand Charge	kW x	\$2.28
Transmission Energy Charge (1)	kWh x	\$0.00575
Distribution Demand Charge	kW x	\$2.69
Distribution Energy Charge	kWh x	\$0.00019
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (3)	kWh x	\$0.00556

Gross Earnings Tax 4%

Gross Earnings Tax 4%

Standard Offer Charge (4) kWh x \$0.07694

Standard Offer Charge (4) kWh x \$0.07694

Note (1): Includes Transmission Adjustment Factor of \$0.00001/kWh and Transmission Uncollectible Factor of \$0.00011/kWh

Note (2): Includes Energy Efficiency Program Charge of \$0.00320 and Renewables Charge of \$0.00030

Note (3): Includes Energy Efficiency Program Charge of \$0.00526 and Renewables Charge of \$0.00030

Note (4): Includes October Standard Offer Service Charge of \$0.07325/kWh , Renewable Energy Standard Charge of \$0.00123/kWh, Standard Offer Adjustment Factor of \$0.00144/kWh and Standard Offer Service Administrative Cost Factor of \$0.00102 /kWh

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Calculation of Monthly Typical Bill  
Comparison of Present and Proposed Rates  
Impact on 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	\$142,064.58	\$96,175.00	\$45,889.58	\$144,639.58	\$96,175.00	\$48,464.58	\$2,575.00	1.8%
5,000	2,000,000	\$224,968.75	\$160,291.67	\$64,677.08	\$229,260.42	\$160,291.67	\$68,968.75	\$4,291.67	1.9%
7,500	3,000,000	\$328,598.96	\$240,437.50	\$88,161.46	\$335,036.46	\$240,437.50	\$94,598.96	\$6,437.50	2.0%
10,000	4,000,000	\$432,229.16	\$320,583.33	\$111,645.83	\$440,812.50	\$320,583.33	\$120,229.17	\$8,583.34	2.0%
20,000	8,000,000	\$846,750.00	\$641,166.67	\$205,583.33	\$863,916.67	\$641,166.67	\$222,750.00	\$17,166.67	2.0%

Present Rates:

Customer Charge		\$17,000.00
Transmission Demand Charge	kW x	\$2.28
Transmission Energy Charge (1)	kWh x	\$0.00575
Distribution Demand Charge	kW x	\$2.69
Distribution Energy Charge	kWh x	\$0.00019
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (2)	kWh x	\$0.00350

Gross Earnings Tax		4%
Standard Offer Charge (4)	kWh x	\$0.07694

Proposed Rates

Customer Charge		\$17,000.00
Transmission Demand Charge	kW x	\$2.28
Transmission Energy Charge (1)	kWh x	\$0.00575
Distribution Demand Charge	kW x	\$2.69
Distribution Energy Charge	kWh x	\$0.00019
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (3)	kWh x	\$0.00556

Gross Earnings Tax		4%
Standard Offer Charge (4)	kWh x	\$0.07694

Note (1): Includes Transmission Adjustment Factor of \$0.00001/kWh and Transmission Uncollectible Factor of \$0.00011/kWh

Note (2): Includes Energy Efficiency Program Charge of \$0.00320 and Renewables Charge of \$0.00030

Note (3): Includes Energy Efficiency Program Charge of \$0.00526 and Renewables Charge of \$0.00030

Note (4): Includes October Standard Offer Service Charge of \$0.07325/kWh , Renewable Energy Standard Charge of \$0.00123/kWh, Standard Offer Adjustment Factor of \$0.00144/kWh and Standard Offer Service Administrative Cost Factor of \$0.00102 /kWh

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Calculation of Monthly Typical Bill  
Comparison of Present and Proposed Rates  
Impact on 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	\$169,270.83	\$120,218.75	\$49,052.08	\$172,489.58	\$120,218.75	\$52,270.83	\$3,218.75	1.9%
5,000	2,500,000	\$270,312.50	\$200,364.58	\$69,947.92	\$275,677.08	\$200,364.58	\$75,312.50	\$5,364.58	2.0%
7,500	3,750,000	\$396,614.59	\$300,546.88	\$96,067.71	\$404,661.46	\$300,546.88	\$104,114.58	\$8,046.87	2.0%
10,000	5,000,000	\$522,916.67	\$400,729.17	\$122,187.50	\$533,645.84	\$400,729.17	\$132,916.67	\$10,729.17	2.1%
20,000	10,000,000	\$1,028,125.00	\$801,458.33	\$226,666.67	\$1,049,583.33	\$801,458.33	\$248,125.00	\$21,458.33	2.1%

Present Rates:

Customer Charge		\$17,000.00
Transmission Demand Charge	kW x	\$2.28
Transmission Energy Charge (1)	kWh x	\$0.00575
Distribution Demand Charge	kW x	\$2.69
Distribution Energy Charge	kWh x	\$0.00019
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (2)	kWh x	\$0.00350

Proposed Rates

Customer Charge		\$17,000.00
Transmission Demand Charge	kW x	\$2.28
Transmission Energy Charge (1)	kWh x	\$0.00575
Distribution Demand Charge	kW x	\$2.69
Distribution Energy Charge	kWh x	\$0.00019
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (3)	kWh x	\$0.00556

Gross Earnings Tax 4%

Gross Earnings Tax 4%

Standard Offer Charge (4) kWh x \$0.07694

Standard Offer Charge (4) kWh x \$0.07694

Note (1): Includes Transmission Adjustment Factor of \$0.00001/kWh and Transmission Uncollectible Factor of \$0.00011/kWh

Note (2): Includes Energy Efficiency Program Charge of \$0.00320 and Renewables Charge of \$0.00030

Note (3): Includes Energy Efficiency Program Charge of \$0.00526 and Renewables Charge of \$0.00030

Note (4): Includes October Standard Offer Service Charge of \$0.07325/kWh , Renewable Energy Standard Charge of \$0.00123/kWh, Standard Offer Adjustment Factor of \$0.00144/kWh and Standard Offer Service Administrative Cost Factor of \$0.00102 /kWh

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Calculation of Monthly Typical Bill  
Comparison of Present and Proposed Rates  
Impact on 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	\$196,477.08	\$144,262.50	\$52,214.58	\$200,339.58	\$144,262.50	\$56,077.08	\$3,862.50	2.0%
5,000	3,000,000	\$315,656.25	\$240,437.50	\$75,218.75	\$322,093.75	\$240,437.50	\$81,656.25	\$6,437.50	2.0%
7,500	4,500,000	\$464,630.21	\$360,656.25	\$103,973.96	\$474,286.46	\$360,656.25	\$113,630.21	\$9,656.25	2.1%
10,000	6,000,000	\$613,604.17	\$480,875.00	\$132,729.17	\$626,479.17	\$480,875.00	\$145,604.17	\$12,875.00	2.1%
20,000	12,000,000	\$1,209,500.00	\$961,750.00	\$247,750.00	\$1,235,250.00	\$961,750.00	\$273,500.00	\$25,750.00	2.1%

Present Rates:

Customer Charge		\$17,000.00
Transmission Demand Charge	kW x	\$2.28
Transmission Energy Charge (1)	kWh x	\$0.00575
Distribution Demand Charge	kW x	\$2.69
Distribution Energy Charge	kWh x	\$0.00019
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (2)	kWh x	\$0.00350

Proposed Rates

Customer Charge		\$17,000.00
Transmission Demand Charge	kW x	\$2.28
Transmission Energy Charge (1)	kWh x	\$0.00575
Distribution Demand Charge	kW x	\$2.69
Distribution Energy Charge	kWh x	\$0.00019
Transition Energy Charge	kWh x	\$0.00068
Energy Efficiency Program Charge (3)	kWh x	\$0.00556

Gross Earnings Tax 4%

Gross Earnings Tax 4%

Standard Offer Charge (4) kWh x \$0.07694

Standard Offer Charge (4) kWh x \$0.07694

Note (1): Includes Transmission Adjustment Factor of \$0.00001/kWh and Transmission Uncollectible Factor of \$0.00011/kWh

Note (2): Includes Energy Efficiency Program Charge of \$0.00320 and Renewables Charge of \$0.00030

Note (3): Includes Energy Efficiency Program Charge of \$0.00526 and Renewables Charge of \$0.00030

Note (4): Includes October Standard Offer Service Charge of \$0.07325/kWh , Renewable Energy Standard Charge of \$0.00123/kWh, Standard Offer Adjustment Factor of \$0.00144/kWh and Standard Offer Service Administrative Cost Factor of \$0.00102 /kWh

**Bill Impact Analysis with Various Levels of Consumption:**  
**Current Distribution, GCR, DAC and Energy Efficiency Rates vs. 2010-2011 Proposed GCR and DAC**

**Residential Heating:**

Nov - Oct Consumption (Therms)	Proposed November-10	Current Rates	Difference	% Chg	Difference due to:			
					Base Rates	GCR	DAC	EnergyEff
600	\$1,041	\$1,026	\$16	1.5%	\$0	\$0.00	\$0.00	\$15.63
664	\$1,136	\$1,119	\$17	1.5%	\$0	\$0.00	\$0.00	\$17.30
730	\$1,235	\$1,216	\$19	1.6%	\$0	\$0.00	\$0.00	\$18.99
794	\$1,328	\$1,307	\$21	1.6%	\$0	\$0.00	\$0.00	\$20.67
857	\$1,418	\$1,396	\$22	1.6%	\$0	\$0.00	\$0.00	\$22.33
Average Customer <b>922</b>	<b>\$1,510</b>	<b>\$1,486</b>	<b>\$24</b>	<b>1.6%</b>	<b>\$0</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$24.05</b>
987	\$1,602	\$1,576	\$26	1.6%	\$0	\$0.00	\$0.00	\$25.73
1,051	\$1,692	\$1,665	\$27	1.6%	\$0	\$0.00	\$0.00	\$27.40
1,114	\$1,779	\$1,750	\$29	1.7%	\$0	\$0.00	\$0.00	\$29.00
1,180	\$1,870	\$1,839	\$31	1.7%	\$0	\$0.00	\$0.00	\$30.73
1,247	\$1,962	\$1,929	\$33	1.7%	\$0	\$0.00	\$0.00	\$32.50

**Residential Heating Low Income:**

Nov - Oct Consumption (Therms)	Proposed November-10	Current Rates	Difference	% Chg	Difference due to:			
					Base Rates	GCR	DAC	EnergyEff
600	\$1,004	\$988	\$16	1.6%	\$0	\$0.00	\$0.00	\$15.63
664	\$1,096	\$1,079	\$17	1.6%	\$0	\$0.00	\$0.00	\$17.30
730	\$1,192	\$1,173	\$19	1.6%	\$0	\$0.00	\$0.00	\$18.99
794	\$1,283	\$1,263	\$21	1.6%	\$0	\$0.00	\$0.00	\$20.67
857	\$1,371	\$1,349	\$22	1.7%	\$0	\$0.00	\$0.00	\$22.33
Average Customer <b>922</b>	<b>\$1,462</b>	<b>\$1,437</b>	<b>\$24</b>	<b>1.7%</b>	<b>\$0</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$24.05</b>
987	\$1,551	\$1,526	\$26	1.7%	\$0	\$0.00	\$0.00	\$25.73
1,051	\$1,640	\$1,612	\$27	1.7%	\$0	\$0.00	\$0.00	\$27.40
1,114	\$1,725	\$1,696	\$29	1.7%	\$0	\$0.00	\$0.00	\$29.00
1,180	\$1,814	\$1,783	\$31	1.7%	\$0	\$0.00	\$0.00	\$30.73
1,247	\$1,904	\$1,871	\$33	1.7%	\$0	\$0.00	\$0.00	\$32.50

**Bill Impact Analysis with Various Levels of Consumption:**  
**Current Distribution, GCR, DAC and Energy Efficiency Rates vs. 2010-2011 Proposed GCR and DAC**

**Residential Non-Heating:**

	Nov - Oct Consumption (Therms)	Proposed November-10	Current Rates	Difference	% Chg	Difference due to:			
						Base Rates	GCR	DAC	EnergyEff
	123	\$300	\$297	\$3	1.1%	\$0	\$0.00	\$0.00	\$3.19
	137	\$321	\$317	\$4	1.1%	\$0	\$0.00	\$0.00	\$3.55
	147	\$336	\$332	\$4	1.1%	\$0	\$0.00	\$0.00	\$3.81
	161	\$356	\$352	\$4	1.2%	\$0	\$0.00	\$0.00	\$4.17
	176	\$378	\$373	\$5	1.2%	\$0	\$0.00	\$0.00	\$4.56
Average Customer	<b>189</b>	<b>\$397</b>	<b>\$392</b>	<b>\$5</b>	<b>1.2%</b>	<b>\$0</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$4.89</b>
	202	\$416	\$411	\$5	1.3%	\$0	\$0.00	\$0.00	\$5.23
	217	\$438	\$433	\$6	1.3%	\$0	\$0.00	\$0.00	\$5.64
	231	\$459	\$453	\$6	1.3%	\$0	\$0.00	\$0.00	\$6.01
	241	\$473	\$467	\$6	1.3%	\$0	\$0.00	\$0.00	\$6.27
	256	\$495	\$489	\$7	1.4%	\$0	\$0.00	\$0.00	\$6.69

**Residential Non-Heating Low Income:**

	Nov - Oct Consumption (Therms)	Proposed November-10	Current Rates	Difference	% Chg	Difference due to:			
						Base Rates	GCR	DAC	EnergyEff
	123	\$283	\$280	\$3	1.1%	\$0	\$0.00	\$0.00	\$3.19
	137	\$303	\$300	\$4	1.2%	\$0	\$0.00	\$0.00	\$3.55
	147	\$318	\$314	\$4	1.2%	\$0	\$0.00	\$0.00	\$3.81
	161	\$338	\$333	\$4	1.3%	\$0	\$0.00	\$0.00	\$4.17
	176	\$359	\$354	\$5	1.3%	\$0	\$0.00	\$0.00	\$4.56
Average Customer	<b>189</b>	<b>\$377</b>	<b>\$373</b>	<b>\$5</b>	<b>1.3%</b>	<b>\$0</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$4.89</b>
	202	\$396	\$391	\$5	1.3%	\$0	\$0.00	\$0.00	\$5.23
	217	\$417	\$412	\$6	1.4%	\$0	\$0.00	\$0.00	\$5.64
	231	\$437	\$431	\$6	1.4%	\$0	\$0.00	\$0.00	\$6.01
	241	\$452	\$445	\$6	1.4%	\$0	\$0.00	\$0.00	\$6.27
	256	\$473	\$466	\$7	1.4%	\$0	\$0.00	\$0.00	\$6.69

**Bill Impact Analysis with Various Levels of Consumption:  
Current Distribution, GCR, DAC and Energy Efficiency Rates vs. 2010-2011 Proposed GCR and DAC**

**C & I Small:**

Nov - Oct Consumption (Therms)	Proposed November-10	Current Rates	Difference	% Chg	Difference due to:			
					Base Rates	GCR	DAC	EnergyEff
824	\$1,725	\$1,703	\$21	1.3%	\$0	\$0	\$0	\$21.48
916	\$1,854	\$1,830	\$24	1.3%	\$0	\$0	\$0	\$23.85
1,003	\$1,976	\$1,950	\$26	1.3%	\$0	\$0	\$0	\$26.14
1,092	\$2,100	\$2,071	\$28	1.4%	\$0	\$0	\$0	\$28.47
1,179	\$2,218	\$2,187	\$31	1.4%	\$0	\$0	\$0	\$30.73
Average Customer <b>1,269</b>	<b>\$2,337</b>	<b>\$2,304</b>	<b>\$33</b>	<b>1.4%</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$33.05</b>
1,359	\$2,457	\$2,421	\$35	1.5%	\$0	\$0	\$0	\$35.43
1,447	\$2,573	\$2,536	\$38	1.5%	\$0	\$0	\$0	\$37.74
1,535	\$2,690	\$2,650	\$40	1.5%	\$0	\$0	\$0	\$40.04
1,622	\$2,805	\$2,763	\$42	1.5%	\$0	\$0	\$0	\$42.26
1,715	\$2,929	\$2,884	\$45	1.6%	\$0	\$0	\$0	\$44.71

**C & I Medium:**

Nov - Oct Consumption (Therms)	Proposed November-10	Current Rates	Difference	% Chg	Difference due to:			
					Base Rates	GCR	DAC	EnergyEff
7,117	\$10,347	\$10,162	\$186	1.8%	\$0	\$0	\$0	\$185.69
7,884	\$11,384	\$11,179	\$206	1.8%	\$0	\$0	\$0	\$205.67
8,649	\$12,420	\$12,194	\$226	1.9%	\$0	\$0	\$0	\$225.63
9,416	\$13,457	\$13,211	\$246	1.9%	\$0	\$0	\$0	\$245.64
10,185	\$14,497	\$14,232	\$266	1.9%	\$0	\$0	\$0	\$265.71
Average Customer <b>10,950</b>	<b>\$15,532</b>	<b>\$15,246</b>	<b>\$286</b>	<b>1.9%</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$285.64</b>
11,715	\$16,567	\$16,261	\$306	1.9%	\$0	\$0	\$0	\$305.62
12,484	\$17,607	\$17,281	\$326	1.9%	\$0	\$0	\$0	\$325.68
13,251	\$18,644	\$18,299	\$346	1.9%	\$0	\$0	\$0	\$345.70
14,016	\$19,680	\$19,314	\$366	1.9%	\$0	\$0	\$0	\$365.64
14,783	\$20,717	\$20,331	\$386	1.9%	\$0	\$0	\$0	\$385.66

**Bill Impact Analysis with Various Levels of Consumption:  
Current Distribution, GCR, DAC and Energy Efficiency Rates vs. 2010-2011 Proposed GCR and DAC**

**C & I LLF Large:**

	Nov - Oct Consumption (Therms)	Proposed November-10	Current Rates	Difference	% Chg	Difference due to:			
						Base Rates	GCR	DAC	EnergyEff
	37,532	\$52,690	\$51,711	\$979	1.9%	\$0	\$0	\$0	\$979.18
	41,573	\$58,208	\$57,123	\$1,085	1.9%	\$0	\$0	\$0	\$1,084.62
	45,616	\$63,729	\$62,539	\$1,190	1.9%	\$0	\$0	\$0	\$1,190.10
	49,660	\$69,251	\$67,955	\$1,296	1.9%	\$0	\$0	\$0	\$1,295.61
	53,699	\$74,766	\$73,365	\$1,401	1.9%	\$0	\$0	\$0	\$1,400.96
Average Customer	<b>57,742</b>	<b>\$80,287</b>	<b>\$78,780</b>	<b>\$1,506</b>	<b>1.9%</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,506.47</b>
	61,785	\$85,807	\$84,196	\$1,612	1.9%	\$0	\$0	\$0	\$1,611.94
	65,824	\$91,323	\$89,606	\$1,717	1.9%	\$0	\$0	\$0	\$1,717.32
	69,868	\$96,845	\$95,022	\$1,823	1.9%	\$0	\$0	\$0	\$1,822.83
	73,911	\$102,366	\$100,437	\$1,928	1.9%	\$0	\$0	\$0	\$1,928.32
	77,952	\$107,884	\$105,850	\$2,034	1.9%	\$0	\$0	\$0	\$2,033.75

**C & I HLF Large:**

	Nov - Oct Consumption (Therms)	Proposed November-10	Current Rates	Difference	% Chg	Difference due to:			
						Base Rates	GCR	DAC	EnergyEff
	37,970	\$48,005	\$47,014	\$991	2.1%	\$0	\$0	\$0	\$990.59
	42,061	\$53,022	\$51,924	\$1,097	2.1%	\$0	\$0	\$0	\$1,097.35
	46,151	\$58,038	\$56,834	\$1,204	2.1%	\$0	\$0	\$0	\$1,204.04
	50,240	\$63,052	\$61,741	\$1,311	2.1%	\$0	\$0	\$0	\$1,310.73
	54,329	\$68,067	\$66,649	\$1,417	2.1%	\$0	\$0	\$0	\$1,417.43
Average Customer	<b>58,418</b>	<b>\$73,081</b>	<b>\$71,557</b>	<b>\$1,524</b>	<b>2.1%</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,524.10</b>
	62,508	\$78,097	\$76,466	\$1,631	2.1%	\$0	\$0	\$0	\$1,630.80
	66,596	\$83,111	\$81,373	\$1,737	2.1%	\$0	\$0	\$0	\$1,737.45
	70,686	\$88,126	\$86,282	\$1,844	2.1%	\$0	\$0	\$0	\$1,844.16
	74,775	\$93,141	\$91,190	\$1,951	2.1%	\$0	\$0	\$0	\$1,950.85
	78,867	\$98,159	\$96,101	\$2,058	2.1%	\$0	\$0	\$0	\$2,057.60



**Bill Impact Analysis with Various Levels of Consumption:**  
**Current Distribution, GCR, DAC and Energy Efficiency Rates vs. 2010-2011 Proposed GCR and DAC**

**C & I LLF Extra-Large:**

Nov - Oct Consumption (Therms)	Proposed November-10	Current Rates	Difference	% Chg	Difference due to:			
					Base Rates	GCR	DAC	EnergyEff
189,450	\$235,767	\$230,824	\$4,943	2.1%	\$0	\$0	\$0	\$4,942.72
209,855	\$260,773	\$255,298	\$5,475	2.1%	\$0	\$0	\$0	\$5,475.08
230,255	\$285,773	\$279,765	\$6,007	2.1%	\$0	\$0	\$0	\$6,007.30
250,655	\$310,773	\$304,233	\$6,540	2.1%	\$0	\$0	\$0	\$6,539.56
271,059	\$335,777	\$328,705	\$7,072	2.2%	\$0	\$0	\$0	\$7,071.89
Average Customer <b>291,462</b>	<b>\$360,781</b>	<b>\$353,177</b>	<b>\$7,604</b>	<b>2.2%</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$7,604.22</b>
311,865	\$385,784	\$377,648	\$8,137	2.2%	\$0	\$0	\$0	\$8,136.53
332,269	\$410,789	\$402,120	\$8,669	2.2%	\$0	\$0	\$0	\$8,668.88
352,669	\$435,789	\$426,588	\$9,201	2.2%	\$0	\$0	\$0	\$9,201.11
373,069	\$460,788	\$451,055	\$9,733	2.2%	\$0	\$0	\$0	\$9,733.35
393,474	\$485,794	\$475,529	\$10,266	2.2%	\$0	\$0	\$0	\$10,265.69

**C & I HLF Extra-Large:**

Nov - Oct Consumption (Therms)	Proposed November-10	Current Rates	Difference	% Chg	Difference due to:			
					Base Rates	GCR	DAC	EnergyEff
184,661	\$222,483	\$217,665	\$4,818	2.2%	\$0	\$0	\$0	\$4,817.78
204,549	\$246,056	\$240,720	\$5,337	2.2%	\$0	\$0	\$0	\$5,336.64
224,435	\$269,628	\$263,772	\$5,855	2.2%	\$0	\$0	\$0	\$5,855.48
244,321	\$293,199	\$286,825	\$6,374	2.2%	\$0	\$0	\$0	\$6,374.31
264,206	\$316,769	\$309,876	\$6,893	2.2%	\$0	\$0	\$0	\$6,893.08
Average Customer <b>284,094</b>	<b>\$340,343</b>	<b>\$332,931</b>	<b>\$7,412</b>	<b>2.2%</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$7,411.99</b>
303,982	\$363,916	\$355,986	\$7,931	2.2%	\$0	\$0	\$0	\$7,930.84
323,867	\$387,487	\$379,037	\$8,450	2.2%	\$0	\$0	\$0	\$8,449.64
343,753	\$411,058	\$402,090	\$8,968	2.2%	\$0	\$0	\$0	\$8,968.48
363,639	\$434,629	\$425,142	\$9,487	2.2%	\$0	\$0	\$0	\$9,487.30
383,527	\$458,203	\$448,197	\$10,006	2.2%	\$0	\$0	\$0	\$10,006.20