

NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION

GRANITE STATE ELECTRIC COMPANY

d/b/a

NATIONAL GRID

ENERGY EFFICIENCY

2011 YEAR-END REPORT

Revised

June 21, 2012

N.H.P.U.C. Docket No. DE 10-188

nationalgrid

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NATIONAL GRID

SUMMARY OF 2011 PROGRAM ACTIVITY

This report presents the results of Granite State Electric Company's d/b/a National Grid ("National Grid" or "Company") residential and commercial and industrial (C&I) energy efficiency programs for calendar year 2011.

Table 1 shows the 2011 year-end performance for the C&I and residential programs compared to annual goals and spending targets. Overall, the Company achieved 97% and 103% of its goals for annual demand savings and annual energy savings respectively. The Company achieved 137% of its planned participation while spending 102% of its planned budget in 2011.

Table 2 documents the value created by the 2011 energy efficiency programs. This table shows that efforts in 2011 created nearly \$6.5 million of value through achieved energy, demand and other resource savings. The Company achieved 64,788 megawatt hours of lifetime energy savings.

Table 3 provides the actual Total Resource Cost (TRC) benefit/cost ratio for each program, by sector (C&I and Residential), and for the entire portfolio of energy efficiency programs implemented in 2011. The overall benefit/cost ratio for energy efficiency efforts in 2011 was 2.50.

Table 4 documents the Company's earned 2011 year-end incentive of \$112,490. As specified by the Commission, the incentive for 2011 has been documented using assumptions that are consistent with assumptions used to develop program-year goals. Page one summarizes the incentive calculation by component (C&I and Residential). Page two provides additional supporting information used in the incentive calculation. As specified by the Commission, results for all programs have been included in the incentive calculation.

Tables 5 through 9 provide the 2011 year-end energy efficiency fund balances. These tables reflect revenues collected in support of energy efficiency efforts, 2011 spending levels, and the 2011 incentive. Table 5 summarizes the 2011 year-end energy efficiency fund balances for both the residential and C&I sectors. Residential and C&I fund balances are shown in Tables 6 and 7, respectively. Tables 8 and 9 provide the residential and C&I fund variance analyses, respectively.

NATIONAL GRID
Table 1 - Summary of 2011 Planned and Year-End Results
2011 Program Year

Commercial and Industrial	Annual kW			Annual MWh			Participation (1)			Implementation Expense (\$ 000's)		
	Filed Target	Year-End	% Achieved	Filed Target	Year-End	% Achieved	Filed Target	Year-End	% Achieved	Filed Target	Year-End	% Achieved
New Construction	121	202	167%	501	1,009	201%	11	22	200%	\$201	\$268	133%
Large C&I Retrofit	532	395	74%	3,064	2,530	83%	26	25	96%	\$392	\$394	101%
Small C&I Retrofit	127	165	130%	553	718	130%	33	71	215%	\$222	\$243	109%
SUBTOTAL	780	762	98%	4,118	4,257	103%	70	118	169%	\$815	\$905	111%
Residential Programs												
ENERGY STAR® Homes	21	3	15%	154	68	44%	50	13	26%	\$142	\$79	56%
NH Home Performance w/ENERGY STAR	9	4	47%	182	49	27%	101	74	73%	\$103	\$95	92%
ENERGY STAR® Appliances	17	20	118%	119	114	96%	875	915	105%	\$86	\$57	66%
Home Energy Assistance	8	8	93%	82	80	97%	50	52	104%	\$206	\$243	118%
ENERGY STAR® Lighting	35	48	137%	573	793	138%	13,142	18,332	139%	\$77	\$79	102%
SUBTOTAL	91	84	92%	1,109	1,104	100%	14,218	19,386	136%	\$614	\$553	90%
TOTAL	871	846	97%	5,227	5,362	103%	14,288	19,504	137%	\$1,429	\$1,458	102%

NOTE:

- (1) Participation for C&I programs refers to total number of applications.
Participation in the ENERGY STAR® Lighting Program refers to total number of rebates.

NATIONAL GRID
Table 2 - Summary of Year-End Value, kW, and MWh Savings by Program
2011 Program Year

	Value (000's)										Load Reduction in kW				MWh Saved	
	Total	Capacity			MDC	Energy				Non-Electric Resource Benefits	Maximum Annual	Summer	Winter	Lifetime	Maximum Annual	Lifetime
		Generation		Trans		Winter		Summer								
		Summer	Winter			Peak	Off Peak	Peak	Off Peak							
Commercial and Industrial																
New Construction	\$1,190	\$64	\$0	\$29	\$88	\$436	\$274	\$133	\$227	\$133	202	202	168	2,800	1,009	14,965
Large C&I Retrofit	\$2,477	\$112	\$0	\$53	\$162	\$1,206	\$399	\$625	\$191	\$271	395	395	296	5,061	2,530	32,561
Small C&I Retrofit	\$729	\$41	\$0	\$19	\$59	\$324	\$80	\$167	\$38	\$278	165	165	93	1,826	718	8,061
SUBTOTAL	\$4,397	\$217	\$0	\$101	\$310	\$1,966	\$753	\$1,020	\$363	\$324	762	762	556	9,686	4,257	55,587
Residential Programs																
ENERGY STAR Homes	\$511	\$2	\$0	\$0	\$1	\$24	\$29	\$12	\$15	\$428	3	3	9	47	68	1,189
NH Home Performance w/ENERGY STAR	\$112	\$2	\$0	\$1	\$2	\$32	\$39	\$17	\$19	\$0	4	7	23	60	50	1,620
ENERGY STAR Appliances	\$345	\$5	\$0	\$2	\$7	\$25	\$30	\$14	\$15	\$246	20	20	16	207	114	1,197
Home Energy Assistance	\$812	\$3	\$0	\$1	\$4	\$23	\$30	\$13	\$14	\$723	8	8	14	115	80	1,173
ENERGY STAR Lighting	\$306	\$7	\$0	\$3	\$9	\$89	\$106	\$43	\$50	N/A	48	48	182	246	793	4,022
SUBTOTAL	\$2,085	\$18	\$0	\$7	\$22	\$193	\$234	\$99	\$114	\$1,397	84	86	244	674	1,105	9,201
	\$6,481	\$235	\$0	\$108	\$332	\$2,159	\$987	\$1,119	\$476	\$1,073	846	849	800	10,360	5,362	64,788

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Energy Efficiency 2011 Year-End Report
N.H.P.U.C. Docket No. DE 10-188

NATIONAL GRID
Table 3 - Summary of Achieved Cost-Effectiveness
2011 Program Year

	TRC Benefit/Cost (1)	Total Value TRC Benefits (\$000)	Implementation Expenses (\$000)	Evaluation Costs (\$000)	Customer Costs (\$000)	Customer Costs from Spillover (\$000)	Company Incentive (\$000)	Total TRC Costs (\$000)
Commercial and Industrial								
New Construction	3.36	\$1,190	\$268	\$4	\$68	\$15	N/A	\$354
Large C&I Retrofit	2.48	\$2,477	\$394	\$4	\$530	\$71	N/A	\$998
Small C&I Retrofit (2)	1.78	\$729	\$243	\$21	\$131	\$15	N/A	\$409
SUBTOTAL (including Company Incentive)	2.41	\$4,397	\$905	\$28	\$728	\$100	\$67	\$1,828
Residential Programs								
SUBTOTAL (excluding Company Incentive)	2.50	\$4,397	\$905	\$28	\$728	\$100	N/A	\$1,761
ENERGY STAR Homes	6.13	\$511	\$79	\$4	N/A	N/A	N/A	\$83
NH Home Performance w/ENERGY STAR	1.09	\$112	\$95	\$2	\$6	N/A	N/A	\$103
ENERGY STAR Appliances	2.46	\$345	\$57	\$1	\$82	N/A	N/A	\$140
Home Energy Assistance	3.33	\$812	\$243	\$0	N/A	N/A	N/A	\$243
ENERGY STAR Lighting	2.12	\$306	\$79	\$20	\$43	\$3	N/A	\$144
SUBTOTAL (including Company Incentive)	2.74	\$2,085	\$553	\$27	\$131	\$3	\$46	\$760
SUBTOTAL (excluding Company Incentive)	2.92	\$2,085	\$553	\$27	\$131	\$3	N/A	\$714
GRAND TOTAL (including Company Incentive)	2.50	\$6,481	\$1,458	\$55	\$860	\$103	\$112	\$2,588

NOTES:

(1) TRC Benefit/Cost = (Total Value)/(Total Costs), where
Total Costs = (Implementation Expenses + Evaluation Costs + Customer Costs + Customer Costs from Spillover + Company Incentive).

Table 4
Page 1 of 2
National Grid
Shareholder Incentive Calculation
2011

	<u>Planned</u>	<u>Actual</u>
Commercial/Industrial Incentive		
1. Benefit/Cost Ratio	2.68	2.44
2. Threshold Benefit / Cost Ratio ¹	1.00	
3. Lifetime kWh Savings	53,612,814	55,587,142
4. Threshold Lifetime kWh Savings (65%) ²	34,848,329	
5. Budget / Actual Spend	\$815,093	\$904,625.25
6. Benefit / Cost Percentage of Budget	4.00%	
7. Lifetime kWh Percentage of Budget	4.00%	
8. C/I Shareholder Incentive	\$65,207	\$66,673
9. Cap (12%)	\$97,811	
Residential Incentive		
10. Benefit / Cost Ratio	2.58	2.84
11. Threshold Benefit / Cost Ratio ¹	1.00	
12. Lifetime kWh Savings	9,496,306	9,200,523
13. Threshold Lifetime kWh Savings (65%) ²	6,172,599	
14. Budget / Actual Spend	\$614,128	\$553,182
15. Benefit / Cost Percentage of Budget	4.00%	
16. Lifetime kWh Percentage of Budget	4.00%	
17. Residential Incentive	\$49,130	\$45,817
18. Cap (12%)	\$73,695	
19. TOTAL INCENTIVE EARNED	\$ 114,338	\$112,490

Notes

1. Actual Benefit / Cost Ratio for each sector must be greater than or equal to 1.0.
2. Actual Lifetime kWh Savings for each sector must be greater than or equal to 65% of projected savings.

Table 4 (continued)
 Page 2 of 2
 Planned Versus Actual Benefit-Cost Ratio by Sector
 National Grid - 2011

	<u>Planned</u>	<u>Actual</u>
Commercial & Industrial:		
1. Benefits (Value) From Eligible Programs	\$4,380,542	\$4,396,923
2. Implementation Expenses	\$815,093	\$904,625
3. Customer Contribution	\$752,808	\$828,580
4. Total Costs Excluding Shareholder Incentive	\$1,567,901	\$1,733,205
5. SI	\$65,207	\$66,673
6. Benefit/Cost Ratio - C&I Sector	2.79	2.54
7. Benefit/Cost Ratio including SI in cost	2.68	2.44
Residential:		
8. Benefits (Value) From Eligible Programs	\$1,949,607	\$2,084,545
9. Implementation Expenses	\$614,128	\$553,182
10. Customer Contribution	\$92,135	\$134,080
11. Total Costs Excluding Shareholder Incentive	\$706,263	\$687,263
11. SI	\$49,130.24	\$45,817
13. Benefit/Cost Ratio - Residential Sector	2.76	3.03

PREPARED BY: R. Bowcock

Date: 21-Jun-12
10:16 AM

TABLE 5
NATIONAL GRID
ENERGY EFFICIENCY ADJUSTMENT AND BALANCE

12 Months Actual 2011

Total Energy Efficiency Revenue/Expense for Jan-Dec 2011

	<u>Actual JAN</u>	<u>Actual FEB</u>	<u>Actual MAR</u>	<u>Actual APRIL</u>	<u>Actual MAY</u>	<u>Actual JUNE</u>	<u>6 MONTH TOTAL</u>
Residential Revenue	\$45,866	\$42,336	\$40,153	\$36,181	\$30,107	\$34,601	\$229,244
C&I. Revenue	<u>\$88,369</u>	<u>\$88,962</u>	<u>\$83,418</u>	<u>\$81,275</u>	<u>\$82,773</u>	<u>\$90,520</u>	<u>\$515,318</u>
1. TOTAL REVENUE (A)	\$134,235	\$131,298	\$123,571	\$117,456	\$112,880	\$125,122	\$744,562
Residential Expense	\$44,880	\$47,744	(\$412,191)	\$31,879	(\$34,674)	\$30,616	(\$291,747)
C&I. Expense	<u>\$46,953</u>	<u>\$40,388</u>	<u>(\$41,440)</u>	<u>\$82,141</u>	<u>\$43,178</u>	<u>\$47,532</u>	<u>\$218,752</u>
2. TOTAL EXPENSE (B)	\$91,833	\$88,132	(\$453,631)	\$114,020	\$8,504	\$78,148	(\$72,994)
3. Cash Flow Over/(Under)	\$42,402	\$43,166	\$577,202	\$3,436	\$104,376	\$46,974	\$817,556
4. Start of Period Balance (C)	(\$149,411)	(\$107,356)	(\$64,423)	\$513,387	\$518,218	\$624,138	(\$149,411)
5. End of Period Balance Before Interest	(\$107,009)	(\$64,190)	\$512,780	\$516,823	\$622,593	\$671,113	\$668,145
6. Residential Interest	(\$138)	(\$144)	\$461	\$1,081	\$1,177	\$1,273	\$3,710
C&I Interest	<u>(\$210)</u>	<u>(\$88)</u>	<u>\$146</u>	<u>\$315</u>	<u>\$368</u>	<u>\$481</u>	<u>\$1,011</u>
TOTAL INTEREST (D)	(\$347)	(\$232)	\$607	\$1,395	\$1,545	\$1,754	\$4,722
7. End of Period Balance After Interest	(\$107,356)	(\$64,423)	\$513,387	\$518,218	\$624,138	\$672,867	\$672,867
	<u>Actual JULY</u>	<u>Actual AUG</u>	<u>Actual SEPT</u>	<u>Actual OCT</u>	<u>Actual NOV</u>	<u>Actual DEC</u>	<u>ANNUAL TOTAL</u>
Residential Revenue	\$44,421	\$50,250	\$43,490	\$37,313	\$40,020	\$45,186	\$489,924
C&I. Revenue	<u>\$103,330</u>	<u>\$124,705</u>	<u>\$109,979</u>	<u>\$103,219</u>	<u>\$95,522</u>	<u>\$95,925</u>	<u>\$1,147,999</u>
8. TOTAL REVENUE (A)	\$147,751	\$174,955	\$153,470	\$140,532	\$135,542	\$141,111	\$1,637,923
Residential Expense	\$26,781	\$41,387	\$46,726	\$29,546	\$61,376	\$646,010	\$560,079
C&I. Expense	<u>\$122,823</u>	<u>\$5,868</u>	<u>\$68,253</u>	<u>\$113,861</u>	<u>\$126,343</u>	<u>\$267,088</u>	<u>\$922,988</u>
9. TOTAL EXPENSE (B)	\$149,604	\$47,255	\$114,979	\$143,407	\$187,719	\$913,098	\$1,483,068
10. Cash Flow Over/(Under)	(\$1,853)	\$127,701	\$38,490	(\$2,875)	(\$52,176)	(\$771,987)	\$154,855
11. Start of Period Balance (C)	\$672,867	\$672,834	\$802,529	\$843,245	\$842,650	\$792,685	(\$149,411)
12. End of Period Balance Before Interest	\$671,014	\$800,534	\$841,020	\$840,370	\$790,474	\$20,698	\$5,444
13. Residential Interest	\$1,306	\$1,345	\$1,357	\$1,367	\$1,352	\$513	\$10,950
C&I Interest	<u>\$514</u>	<u>\$650</u>	<u>\$869</u>	<u>\$913</u>	<u>\$860</u>	<u>\$588</u>	<u>\$5,405</u>
TOTAL INTEREST (D)	\$1,820	\$1,995	\$2,226	\$2,280	\$2,212	\$1,101	\$16,355
14. 2011 Residential Incentive (E)						\$45,817	\$45,817
2011 Commercial & Industrial Incentive (E)						\$66,673	\$66,673
2011 Total Incentives (E)						\$112,490	\$112,490
15 End of Period Balance After Interest	\$672,834	\$802,529	\$843,245	\$842,650	\$792,685	(\$90,690)	(\$90,690)
16 End Balance as % of Revenue							-5.54%

(A) See Tables 2 & 3

(B) See Tables 2 & 3

(C) "End of Period Balance Before Interest" from prior month.

(D) See Tables 2 & 3

(E) This is the amount credited to the Company's General Ledger during this year.

Interest Rates: JAN = 3.25% FEB = 3.25% MAR = 3.25% APR = 3.25%
MAY = 3.25% JUN = 3.25% JUL = 3.25% AUG = 3.25%
SEP = 3.25% OCT = 3.25% NOV = 3.25% DEC = 3.25%

PREPARED BY: R. Bowcock
Date: 21-Jun-12
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TABLE 6

NATIONAL GRID
ENERGY EFFICIENCY REVENUE/EXPENSE BALANCE
RESIDENTIAL FUND
12 Months Actual 2011

Energy Efficiency Residential Revenue/Expense for Jan-Dec 2011

	<u>Actual JAN</u>	<u>Actual FEB</u>	<u>Actual MAR</u>	<u>Actual APRIL</u>	<u>Actual MAY</u>	<u>Actual JUNE</u>	<u>6 MONTH TOTAL</u>
1. Residential Revenue (A)	\$45,866	\$42,336	\$40,153	\$36,181	\$30,107	\$34,601	\$229,244
2. Residential Energy Efficiency Expense (B)	<u>\$44,880</u>	<u>\$47,744</u>	<u>(\$412,191)</u>	<u>\$31,879</u>	<u>(\$34,674)</u>	<u>\$30,616</u>	<u>(\$291,747)</u>
3. Cash Flow Over/(Under)	\$986	(\$5,409)	\$452,344	\$4,302	\$64,781	\$3,986	\$520,991
4. Start of Period Balance (C)	(\$51,294)	(\$50,446)	(\$55,998)	\$396,807	\$402,189	\$468,147	
5. End of Period Balance Before Interest	(\$50,308)	(\$55,854)	\$396,346	\$401,109	\$466,970	\$472,133	
6. Estimated Interest	(\$138)	(\$144)	\$461	\$1,081	\$1,177	\$1,273	\$3,710
7. End of Period Balance After Interest	(\$50,446)	(\$55,998)	\$396,807	\$402,189	\$468,147	\$473,407	
	<u>Actual JULY</u>	<u>Actual AUG</u>	<u>Actual SEPT</u>	<u>Actual OCT</u>	<u>Actual NOV</u>	<u>Actual DEC</u>	<u>ANNUAL TOTAL</u>
8. Residential Revenue (A)	\$44,421	\$50,250	\$43,490	\$37,313	\$40,020	\$45,186	\$489,924
9. Residential Energy Efficiency Expense (B)	<u>\$26,781</u>	<u>\$41,387</u>	<u>\$46,726</u>	<u>\$29,546</u>	<u>\$61,376</u>	<u>\$646,010</u>	<u>\$560,079</u>
10. Cash Flow Over/(Under)	\$17,640	\$8,863	(\$3,236)	\$7,767	(\$21,356)	(\$600,824)	(\$70,155)
11. Start of Period Balance (C)	\$473,407	\$492,353	\$502,562	\$500,682	\$509,816	\$489,812	(\$51,294)
12. End of Period Balance Before Interest	\$491,047	\$501,216	\$499,325	\$508,449	\$488,460	(\$111,013)	(\$121,449)
13. Estimated Interest	\$1,306	\$1,345	\$1,357	\$1,367	\$1,352	\$513	\$10,950
14. 2011 Residential Incentive (D)						\$45,817	\$45,817
15 End of Period Balance After Interest	\$492,353	\$502,562	\$500,682	\$509,816	\$489,812	(\$156,317)	(\$156,317)
16 End Balance as % of Revenue							-31.91%

FOOTNOTES:

(A) Revenue Report

(B) Source: PeopleSoft query

(C) "End of Period Balance Before Interest" from prior month.

Estimated DSM incentive is included in Dec expense estimate.

(D) This is the amount credited to the Company's General Ledger during this year.

Interest Rates:	JAN =	3.25%	FEB =	3.25%	MAR =	3.25%	APR =	3.25%
	MAY =	3.25%	JUN =	3.25%	JUL =	3.25%	AUG =	3.25%
	SEP =	3.25%	OCT =	3.25%	NOV =	3.25%	DEC =	3.25%

Note: The Residential Factor is applied to the D-0, D-10, & T-0 rates.

PREPARED BY: R. Bowcock

Date: 21-Jun-12
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TABLE 7

NATIONAL GRID
ENERGY EFFICIENCY REVENUE/EXPENSE BALANCE
COMMERCIAL & INDUSTRIAL FUND
12 Months Actual 2011

Energy Efficiency C&I Revenue/Expense for Jan-Dec 2011

	<u>Actual JAN</u>	<u>Actual FEB</u>	<u>Actual MAR</u>	<u>Actual APRIL</u>	<u>Actual MAY</u>	<u>Actual JUNE</u>	<u>6 MONTH TOTAL</u>
1. C&I Revenue (A)	\$88,369	\$88,962	\$83,418	\$81,275	\$82,773	\$90,520	\$515,318
2. C&I Energy Efficiency Expense (B)	<u>\$46,953</u>	<u>\$40,388</u>	<u>(\$41,440)</u>	<u>\$82,141</u>	<u>\$43,178</u>	<u>\$47,532</u>	\$218,752
3. Cash Flow Over/(Under)	\$41,416	\$48,574	\$124,858	(\$866)	\$39,595	\$42,988	\$296,566
4. Start of Period Balance (C)	(\$98,117)	(\$56,911)	(\$8,425)	\$116,579	\$116,028	\$155,991	(\$98,117)
5. End of Period Balance Before Interest	(\$56,701)	(\$8,336)	\$116,433	\$115,714	\$155,623	\$198,979	
6. Estimated Interest	(\$210)	(\$88)	\$146	\$315	\$368	\$481	\$1,011
7. End of Period Balance After Interest	(\$56,911)	(\$8,425)	\$116,579	\$116,028	\$155,991	\$199,460	
	<u>Actual JULY</u>	<u>Actual AUG</u>	<u>Actual SEPT</u>	<u>Actual OCT</u>	<u>Actual NOV</u>	<u>Actual DEC</u>	<u>ANNUAL TOTAL</u>
8. C&I Revenue (A)	\$103,330	\$124,705	\$109,979	\$103,219	\$95,522	\$95,925	\$1,147,999
9. C&I Energy Efficiency Expense (B)	<u>\$122,823</u>	<u>\$5,868</u>	<u>\$68,253</u>	<u>\$113,861</u>	<u>\$126,343</u>	<u>\$267,088</u>	<u>\$922,988</u>
10. Cash Flow Over/(Under)	(\$19,493)	\$118,837	\$41,727	(\$10,642)	(\$30,821)	(\$171,163)	\$225,011
11. Start of Period Balance (C)	\$199,460	\$180,481	\$299,968	\$342,563	\$332,834	\$302,873	(\$98,117)
12. End of Period Balance Before Interest	\$179,967	\$299,318	\$341,694	\$331,921	\$302,014	\$131,711	\$126,894
13. Estimated Interest	\$514	\$650	\$869	\$913	\$860	\$588	\$5,405
14. 2011 Commercial & Industrial Incentive (D)						\$66,673	\$66,673
15 End of Period Balance After Interest	\$180,481	\$299,968	\$342,563	\$332,834	\$302,873	\$65,626	\$65,626
16 End Balance as % of Revenue							5.72%

FOOTNOTES:

(A) Revenue Report

(B) Source: PeopleSoft query

(C) "End of Period Balance Before Interest" from prior month.

Estimated DSM incentive is included in Dec expense estimate.

(D) This is the amount credited to the Company's General Ledger during this year.

Interest Rates: JAN = 3.25% FEB = 3.25% MAR = 3.25% APR = 3.25%
MAY = 3.25% JUN = 3.25% JUL = 3.25% AUG = 3.25%
SEP = 3.25% OCT = 3.25% NOV = 3.25% DEC = 3.25%

Note: The C&I Factor is applied to the G-1, G-2, G-3, M,& V rates.

PREPARED BY: R. Bowcock
Date: 21-Jun-12

TABLE 8

NATIONAL GRID
ENERGY EFFICIENCY VARIANCE ANALYSIS
RESIDENTIAL FUND
12 Months Actual 2011

Energy Efficiency Residential Revenue/Expense for Jan-Dec 2011

	<u>JAN</u>	<u>FEB</u>	<u>MARCH</u>	<u>APRIL</u>	<u>MAY</u>	<u>JUNE</u>	
1. Residential Energy Efficiency Revenue (A)	\$45,866	\$42,336	\$40,153	\$36,181	\$30,107	\$34,601	
2. Estimated Residential Energy Efficiency Revenue (B)	<u>\$46,982</u>	<u>\$39,167</u>	<u>\$37,261</u>	<u>\$34,448</u>	<u>\$31,410</u>	<u>\$32,716</u>	
3. Difference (1)-(2)	(\$1,116)	\$3,168	\$2,893	\$1,733	(\$1,303)	\$1,886	
4. Residential Energy Efficiency Expense (A)	\$44,880	\$47,744	(\$412,191)	\$31,879	(\$34,674)	\$30,616	
5. Estimated Residential Energy Efficiency Expense (C)	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	
6. Difference Residential Energy Efficiency Expense (4) - (5)	\$44,880	\$47,744	(\$412,191)	\$31,879	(\$34,674)	\$30,616	
	<u>JULY</u>	<u>AUG</u>	<u>SEPT</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>TOTAL</u>
7. Residential Energy Efficiency Revenue (A)	\$44,421	\$50,250	\$43,490	\$37,313	\$40,020	\$45,186	\$489,924
8. Estimated Residential Energy Efficiency Revenue (B)	<u>\$39,171</u>	<u>\$40,233</u>	<u>\$36,216</u>	<u>\$29,975</u>	<u>\$34,021</u>	<u>\$36,474</u>	<u>\$438,074</u>
9. Difference (7)-(8)	\$5,250	\$10,017	\$7,274	\$7,338	\$5,999	\$8,712	\$51,850
10. Residential Energy Efficiency Expense (A)	\$26,781	\$41,387	\$46,726	\$29,546	\$61,376	\$646,010	\$560,079
11. Estimated Residential Energy Efficiency Expense (C)	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
12. Difference Residential Energy Efficiency Expense (10) - (11)	\$26,781	\$41,387	\$46,726	\$29,546	\$61,376	\$646,010	\$560,079

FOOTNOTES:

(A) See Table 2

(B) Calculation based on estimated monthly Residential kWh from Company's Winter 2004 forecast multiplied by a factor of \$0.00180

(C) Source: Retail Support & Services Dept. No estimates for 1st Q.

Incentives are included in Dec exp est.

Note: The Residential Factor is applied to the D-0, D-10, & T-0 rates.

PREPARED BY: R. Bowcock

TABLE 9
NATIONAL GRID
COMMERCIAL & INDUSTRIAL FUND
12 Months Actual 2011

Energy Efficiency C&I Revenue/Expense for Jan-Dec 2011

	<u>JAN</u>	<u>FEB</u>	<u>MARCH</u>	<u>APRIL</u>	<u>MAY</u>	<u>JUNE</u>	
1. C&I Energy Efficiency Revenue (A)	\$88,369	\$88,962	\$83,418	\$81,275	\$82,773	\$90,520	
2. Estimated C&I Energy Efficiency Revenue (B)	<u>\$85,218</u>	<u>\$80,112</u>	<u>\$75,392</u>	<u>\$86,966</u>	<u>\$80,533</u>	<u>\$88,628</u>	
3. Difference (1)-(2)	\$3,150	\$8,850	\$8,026	(\$5,690)	\$2,240	\$1,892	
4. C&I Energy Efficiency Expense (A)	\$46,953	\$40,388	(\$41,440)	\$82,141	\$43,178	\$47,532	
5. Estimated C&I Energy Efficiency Expense (C)	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	
6. Difference C&I Energy Efficiency Expense (4) - (5)	\$46,953	\$40,388	(\$41,440)	\$82,141	\$43,178	\$47,532	
	<u>JULY</u>	<u>AUG</u>	<u>SEPT</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>TOTAL</u>
7. C&I Energy Efficiency Revenue (A)	\$103,330	\$124,705	\$109,979	\$103,219	\$95,522	\$95,925	\$1,147,999
8. Estimated C&I Energy Efficiency Revenue (B)	<u>\$94,458</u>	<u>\$89,841</u>	<u>\$84,482</u>	<u>\$87,828</u>	<u>\$67,789</u>	<u>\$78,637</u>	<u>\$999,884</u>
9. Difference (7)-(8)	\$8,872	\$34,864	\$25,497	\$15,391	\$27,734	\$17,288	\$148,115
10. C&I Energy Efficiency Expense (A)	\$122,823	\$5,868	\$68,253	\$113,861	\$126,343	\$267,088	\$922,988
11. Estimated C&I Energy Efficiency Expense (C)	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
12. Difference C&I Energy Efficiency Expense (10) - (11)	\$122,823	\$5,868	\$68,253	\$113,861	\$126,343	\$267,088	\$922,988

FOOTNOTES:

(A) See Table 3

(B) Calculation based on estimated monthly Residential kWh from Company's Winter 2004 forecast multiplied by a factor of \$0.00180.

(C) Source: Retail Support & Services. No estimates for 1st Q.

Note: The C&I Factor is applied to the G-1, G-2, G-3, M, & V rates.