

# True Up 2011: Tracking Estimate Corrections and True Up of 2002-2010 Savings and Generation

May 4, 2011

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## Introduction

True Up is the annual refinement of reported savings for Energy Trust funded energy savings and renewable generation. The 2011 True Up utilizes evaluation results as of January 31, 2011. In the True-up process, adjustments are made based on mathematical corrections, new data, anticipated evaluation results (for years and programs where there is yet to be an evaluation completed), and evaluation results. Upon completion, True Up enables the best reporting of energy savings and generation for Energy Trust funded programs. The 2011 True Up updates reported savings and generation by Energy Trust for years 2002-2010.

The purpose of the “True up 2011” report is to summarize these adjustments to Energy Trust savings and generation. The 3 parts of this report discuss (1) definitions for evaluation results by which savings and generation are adjusted, (2) updates made to Energy Trust data by program, and (3) the difference between pre True Up and post True Up reportable savings and generation estimates.

## Summary

There were some significant adjustments in the 2011 True Up. Total electric savings for 2002-2010 fell approximately 5% (12 aMW) to 254 aMWs and gas savings decreased by about 2% (.41 million therms) to 18 million therms for the same time period. Renewable generation remained at 103 aMWs. For 2010, electric savings, compared to end-of-year summary reports, were adjusted up 2% (1.1 aMW) to 46 aMW, total gas savings were up 1% (47,924 therms) to 4.6 million therms, and renewable generation remained constant at 3.3 aMW. These results are represented in the 2010 annual report.

The largest factors underlying this change are (1) increases in estimates of free riders in Energy Trust Existing Buildings program for the period 2008-2009 that reduced savings by 2 aMWs (2) savings estimates for a large pulp and paper project in 2007 were reduced by 5.8 aMWs (3) updates to NEEA programs for the period 2008-2010 decreased savings by 3.3 aMW.

On the gas side, adjustments to estimates of measure performance reduced residential gas weatherization savings by about .4 million therms between 2008 and 2010. In addition, minor changes to commercial program Net-to-Gross ratios (adjustments for market effects) decreased savings by about 0.2 million therms.

The True Up incorporated significant adjustments to the following programs:

- 1) 2008-2010: Existing Buildings
- 2) 2008-2010: New Buildings
- 3) 2007, 2009, 2010: Production Efficiency
  - 2007 Pulp and Paper mega-project SP Newsprint

- 4) 2008-2010: Home Energy Solutions
  - Gas Weatherization
- 5) 2008-2010: New Homes and Products
  - Market Transformation
- 6) 2008, 2009: Northwest Energy Efficiency Alliance

## Definitions

*Working Savings/Generation:* The estimate of anticipated results which are practical for data entry by program personnel while approving individual projects. These savings are based on estimates of typical savings or generation for prescriptive measures, and on site-specific engineering calculations for custom energy efficiency measures. Prior years' True Up adjustments may be incorporated into estimates of working savings and generation for prescriptive measures, but transmission and distribution line loss savings are not included. In addition, there are no adjustments made for free riders (FR), customers who would have installed the measures absent program influence, or spillover, customers who are influenced by the program but did not take the incentive. These are issues addressed when developing reportable savings/generation.

*Reportable Savings/Generation:* The estimate of results that will be used to report Energy Trust achievements. Several factors are applied to working numbers to arrive at reportable figures. Realization Rates (RR) are used to adjust the initial engineering estimate; a realization rate of 100% indicates site savings on average were as expected. Another adjustment is for market effects, also called, Net-to-Gross (NTG). The NTG ratio adjusts for free riders and spillover. The final adjustment is for avoided line and transformer losses. Reportable savings estimates also have True Up adjustments, as described below, and any other corrections required to the original working values. These values are updated annually based on new information described through the "True Up" process. Additionally, adjustments may be based on results of Faster Feedback (FF). This is a short phone survey with a sample of recent program participants to assess satisfaction, understand customer decision making, and gather suggestions for program and process improvements. The survey is generally 10 questions or less and is customized for each program or measure of interest. The goals of FF are to get accurate answers to important questions within 2 months of participation and to minimize burden on respondents.

The True Up adjusts Working Savings/Generation estimates in different programs for different reasons. These fall into the following categories:

- 1) *Corrections:* Occasionally, through Energy Trust's routine quality assurance processes, transaction errors are discovered in the database, which require corrections. Individual transaction errors (i.e. typos that affect savings) are usually corrected immediately, and generic transaction errors (i.e. wrong deemed savings value for a measure) are easily fixed once per year during the True Up.
- 2) *New Data:* Projections are updated based upon improved measure simulations and new data on measure performance.
- 3) *Anticipated Evaluation Results:* Experience shows that evaluated estimates of savings and generation are often lower than reportable estimates. Reportable estimates are often based on typical savings for prescriptive measures or "as installed" engineering analysis for custom measures. Impact evaluation uses energy use data and/or improved data on post-

installation operation to improve reportable estimates. However, impact evaluations cannot be completed until well after programs finish a year’s activity. This is due to the need to utilize post-installation energy use data. Based on Board direction in the July, 2004 Strategic Work Session, staff is attempting to anticipate these effects in reportable savings for programs where there is not yet evaluation information available. Where available, these adjustments are based on the results of evaluations for the same program in prior years. Results for similar programs elsewhere are used for programs that have no prior evaluation.

- 4) *Evaluation Results:* Once finalized, evaluations provide the most reliable representation of realized savings, and can replace the refined projections described above in (2) and (3). Evaluation results may change Energy Trust savings estimates for a single year or all prior years. This is dependent upon which other evaluations have already been performed for prior years and whether results seem applicable to prior years (e.g. similar measures, participants, and circumstances).

## Results

### 1. Business Energy Solutions – Existing Buildings Evaluation

Evaluations of Business Energy Solutions 2008 were completed for this program in 2010<sup>1</sup>. The 2011 True Up incorporates the results of this assessment as evaluation factors for 2008. These results were also incorporated in a new anticipated evaluation factor for 2009 and 2010. Table 1 summarizes which evaluations have been applied to each program year. Tables 2A and 2B show in detail the various components of the 2008 and 2009 evaluations for gas and electric. Lastly, the old and new evaluation factors are shown in the Table 3 along with the impact on each year.

In 2010, Existing Multifamily was moved to the commercial sector. While this program has had its own market effect analysis, new program impact evaluation has not been completed. In order to make a conservative estimate for multifamily under its new sector, multifamily FR rates were applied and RR from Existing Buildings were used. Total changes for multifamily are shown in Table 4.

*Table 1: BES – Existing Buildings Evaluations*

<u>Program</u>	<u>Year</u>	<u>Source</u>	<u>Type of Adjustment</u>	<u>Notes</u>
BE	2003 to 2008	2003-2008 Evaluation	Evaluation Factor	Closed in previous True Ups
BE	2009	2005-2007 Evaluations	Anticipated Evaluation factor	Used savings weighted average of years 2005-7
BE	2010	2007-2009 Evaluations	Anticipated Evaluation Factor	Used savings weighted average of years 2007-9

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<sup>1</sup> These evaluations were based on site visits and site metering.

Table 2A: 2008-2010 BES-EB Evaluation Factors – Electric

	<u>Realization Rate</u>	<u>Net-To-Gross-Ratio (market effects)</u>			<u>Combined Adjustment</u>
<u>Year</u>	<u>Engineering Adjustment</u>	<u>Free-riders</u>	<u>Participant spillover</u>	<u>Non-Participant Spillover</u>	<u>Evaluation Factor</u>
2008	99%	36%	1%	7%	69%
2009	99%	37%	1%	7%	67%
2010	99%	19%	1%	7%	88%

Table 2B: 2008-2010 BES-EB Evaluation Factors – Gas

	<u>Realization Rate</u>	<u>Net-To-Gross-Ratio (market effects)</u>			<u>Combined Adjustment</u>
<u>Year</u>	<u>Engineering Adjustment</u>	<u>Free-riders</u>	<u>Participant spillover</u>	<u>Non-Participant Spillover</u>	<u>Evaluation Factor</u>
2008	87%	36%	1%	7%	60%
2009	90%	37%	1%	7%	61%
2010	90%	11%	1%	7%	87%

Table 3: 2008-2010 BES-Existing Buildings Evaluation Combined Adjustment

<u>Year</u>	<u>Old Factor Electric</u>	<u>New Factor Electric</u>	<u>Change in Savings (aMW)</u>	<u>Old Factor Gas</u>	<u>New Factor Gas</u>	<u>Change in Savings (Million therms)</u>
2008	0.82	0.69	(0.80)	0.74	0.60	(0.17)
2009	0.82	0.67	(1.36)	0.74	0.61	(0.14)
2010	0.82	0.88	0.80	0.74	0.87	0.26
		Total	(1.36)		Total	(0.05)

Table 4: 2010 BES-Existing Multifamily Savings Adjustments

<u>Year</u>	<u>Original (aMW)</u>	<u>New (aMW)</u>	<u>Change (aMW)</u>	<u>% Change</u>
2010	1.02	1.1	0.07	7%

## 2. Business Energy Solutions – New Buildings

Evaluations of 2008 were completed for this program in 2010. The 2011 True Up incorporates the results of this assessment as evaluation factors for 2008 and as an anticipated evaluation factor for 2009 and 2010. Table 5 summarizes which evaluations have been applied to each program year. Tables 6A and 6B show in detail the various components of the 2008-2010 evaluations and anticipated evaluation factors for gas and electric. Lastly, the old and new evaluation factors are shown in Table 7 along with the impact on each year.

Table 5: BES – New Buildings Evaluations

Program	Year	Source	Type of adjustment	Notes
NBE	2004-2008	2004-2007 Evaluations	Evaluation Factor	Closed in previous True Ups
NBE	2009	2006 -2008 Evaluations	Anticipated Evaluation Factor	Used savings weighted average of past 3 years for RR
NBE	2010	2006 -2008 Evaluations	Anticipated Evaluation Factor	Used savings weighted average of past 3 years for RR, still need to revisit FF and FR

Table 6A: 2008-2010 BES – NB Evaluation Factors – Electric

	Realization Rate	Net-To-Gross-Ratio (market effects)			Combined Adjustment
Year	Engineering Adjustment	Free-riders	Participant spillover	Non-Participant Spillover	Evaluation Factor
2008	85%	33%	1%	0%	57%
2009	94%	35%	1%	0%	62%
2010	94%	45%	1%	0%	52%

Table 6B: 2008-2010 BES - NB Evaluation Factors – Gas

	Realization Rate	Net-To-Gross-Ratio (market effects)			Combined Adjustment
Year	Engineering Adjustment	Free-riders	Participant spillover	Non-Participant Spillover	Evaluation Factor
2008	90%	34%	1%	0%	60%
2009	95%	35%	1%	0%	62%
2010	95%	45%	1%	0%	53%

Table 7: 2008-2010 BES - NB Evaluation Combined Adjustment

Year	Old Factor Electric	New Factor Electric	Change in Savings (aMW)	Old Factor Gas	New Factor Gas	Change in Savings (Million therms)
2008	0.67	0.57	(0.42)	0.74	0.6	(0.07)
2009	0.67	0.62	(0.19)	0.74	0.62	(0.09)
2010	0.67	0.52	(0.5)	0.74	0.53	(0.23)
		Total	(1.11)		Total	(0.38)

### 3. Business Energy Solutions – Production Efficiency

Evaluations of 2009 were completed for this program in 2010. The 2011 True Up incorporates the results of this assessment as evaluation factors for 2007-2008 and as an anticipated evaluation factor for 2009. Tables 9A and 9B show in detail the various components of the 2009-2010 evaluation and evaluation factors for electric and gas. Lastly, the old and new evaluation factors are shown in Table 10 along with the impact on each year.

Table 8: Business Energy Solutions – Production Efficiency Evaluations

Year	Source	Type of adjustment	Notes
2008	2003-2008 Evaluations	Evaluation Factor	Closed in previous True Ups
2009	2006-2008 PE Evaluations	Anticipated Evaluation Factor	Used savings weighted average of past 3 years - Still need to update 2009 RR
2010	2007-2008 Evaluations	Anticipated Evaluation Factor	Still need to update 2009 RR and review 2010 FF FR

Table 9A: 2008-2009 BES – Production Efficiency Evaluation Factors – Electric

	Realization Rate	Net-To-Gross-Ratio (market effects)			Combined Adjustment
Year	Engineering Adjustment	Free-riders	Participant spillover	Non-Participant Spillover	Evaluation Factor
2008	98%	21%	1%	0%	79%
2009	98%	11%	1%	0%	89%

Table 9B: 2008-2009 BES – Production Efficiency Evaluation Factors – Gas

	Realization Rate	Net-To-Gross-Ratio (market effects)			Combined Adjustment
Year	Engineering Adjustment	Free-riders	Participant spillover	Non-Participant Spillover	Evaluation Factor
2008	98%	21%	1%	0%	79%
2009	98%	4%	1%	0%	96%

Table 10: 2008-2009 BES – Production Efficiency Evaluation Impacts

Year	Old Factor Electric	New Factor Electric	Change in Savings (aMW)	Old Factor Gas	New Factor Gas	Change in Savings (Million therms)
2009	0.78	0.79	0.10	0.78	0.79	0.00
2010	0.78	0.89	1.92	0.78	0.96	0.11
		Total	2.02		Total	0.11

### **Megaproject Evaluation**

A large pulp and paper mill energy efficiency project was funded in 2005 and completed in 2006. The process improvement relied on increasing the use of recycled newsprint. After several years of increased prices for recycled newsprint which resulted in reduced use of the energy-saving process, the plant ceased operations. The plant is expected to operate again, but the savings are not expected to achieve forecast levels.

An evaluation of the estimated savings found significant errors in initial estimates of the production levels and loads, and consequently the savings were lower than forecasted. Based on this evaluation, if operated at full capacity, the plant would save 24% of the forecast savings. Energy Trust's current projection, incorporated in this True Up, is that the plant will save 12% of initial savings projections on average for the forecast 10 year life. This is based on expectation that the plant will run, but not at full capacity all the time. The 2011 True up reflects a savings reduction of 50,881,756 kWhs, or 5.8 aMWs in 2005.

### **4. Home Energy Solutions – Existing Homes**

The 2011 True Up made revisions to the HES program for the years 2008-2010. These adjustments included new FR rates obtained through FF and 2008 program billing analysis. 2009-2010 estimates were also updated in the 2011 True Up based on 2010 FF responses. The aforementioned changes apply to gas weatherization, Table 11, and HES kWh adjustments, Table 11A. 2008-2010 realization rates were updated using the 2008 in-house billing analysis for only gas weatherization.

*Table 11: 2008-2010 Gas weatherization Adjustments*

Year	Therm change	HES Program	% of Program
2008	(27,250)	683,280	(4%)
2009	14,988	986,894	2%
2010	(65,843)	959,654	(6%)
Total	(76,105)	2,629,828	(3%)

*Table 11A: 2008-2010 HES kWh Adjustments*

Year	kWh change	HES Program (aMW)	% of Program
2008	No Change	No Change	No Change
2009	(1,553)	1.75	0%
2010	(257,655)	3.61	(1%)
Total	(259,208)	5.36	(1%)

### **5. Home Energy Solutions - New Homes and Products**

Refrigerator Recycling savings per unit estimates were reduced based on evaluation results and comparisons with NW Power and Conservation Council estimates. Table 12 summarizes the changes in 2008-2010 for EHP as a result of these conclusions.

Table 12: 2008-2010 New Homes and Products Updates

Year	aMW change	EHP Program	% of Program
2008	(0.11)	5.35	(2%)
2009	(0.76)	4.01	(16%)
2010	(0.94)	5.23	(15%)
Total	(1.81)	14.59	(12%)

### **Market Transformation Savings**

In June of 2008, a code change in residential housing was introduced that required a significant increase in the energy efficiency of a new home. The new code mandated that any home built after June 2008 must have some combination of a more efficient heating system, duct work, lighting, windows, envelope and hot water heating.

From mid-2008 through 2009, it is estimated that 516,835 more therms were saved with the new codes in place. Now, since this data was gathered, it has been applied retroactively to 2008 and 2009. Moving forward, these savings will be tracked and booked on an ongoing basis, in a similar manner to NEEA savings.

### **6. Northwest Energy Efficiency Alliance (NEEA)**

Energy Trust staff made updates to the NEEA savings as part of the 2011 True Up. Savings estimates have been updated largely due to changes in assumptions in the estimates of CFL of savings. In 2009 industrial savings were also less than forecasted resulting in a downward adjustment to savings in 2009, as reflected in below in Table 13.

Table 13: 2008-2010 Northwest Energy Efficiency Alliance Updates

Year	Residential (aMW change)	Commercial (aMW change)	Industrial (aMW change)
2008	(1.68)	0.23	0.23
2009	(1.65)	0.38	(0.80)
2010	No Change	No Change	No Change
Total	(3.33)	0.61	(0.57)

## **Results Summary – 2011 True Up Impacts by Sector by Year**

The following summary, Tables 14-14I, the difference between “old reportable” and “new reportable” results shows the adjustments made in the 2011 True Up from prior reportable estimates. In the following tables, an Average Megawatt means that loads are reduced by an average of one Megawatt or 8760 MWh during each year of the measures’ lives. Million Annual Therms reflects the annual therm savings of measures’ lives in millions. In the summary, **a change of 0% may not imply that there were no corrections**, only that the corrections may not be significant enough to show due to rounding.



**Table 14: Summary for 2002-2010**

	<u>Old Reportable</u>	<u>New Reportable</u>	<u>% Change</u>
<b>Electric- Average Megawatts</b>			
<b>Elec. Efficiency</b>	<b>267</b>	<b>254</b>	<b>(2%)</b>
Residential	102	97	(5%)
Commercial	75	73	(3%)
Industrial	89	84	(5%)
<b>Renewables</b>	<b>103</b>	<b>103</b>	<b>0%</b>
<b>Gas- Million Annual Therms</b>			
<b>Gas Efficiency</b>	<b>18</b>	<b>18</b>	<b>0%</b>
Residential	9.7	9.6	(1%)
Commercial	8	7.5	(6%)
Industrial	0.6	0.8	33%

**Table 14A: 2010 Summary**

	Old Reportable	New Reportable	% Change	Action Plan Conservative Goal	% of Goal Achieved
<b>Electric- Average Megawatts</b>					
<b>Elec. Efficiency</b>	<b>45</b>	<b>46</b>	<b>3%</b>	<b>34</b>	<b>135%</b>
Residential	13	12	(7%)	11	109%
Commercial	17	18	1%	13	138%
Industrial	14	16	14%	10	160%
<b>Renewables</b>	<b>3</b>	<b>3</b>	<b>0%</b>	<b>3</b>	<b>100%</b>
<b>Gas- Million Annual Therms</b>					
<b>Gas Efficiency</b>	<b>4.5</b>	<b>4.6</b>	<b>1%</b>	<b>3.1</b>	<b>148%</b>
Residential	1.9	1.8	(3%)	1.2	150%
Commercial	2.2	2.2	0%	1.2	183%
Industrial	0.4	0.6	23%	.67	90%

**Table 14B: 2009 Summary**

	Old Reportable	New Reportable	% Change	Action Plan Conservative Goal	% of Goal Achieved
<b>Electric- Average Megawatts</b>					
<b>Elec. Efficiency</b>	<b>32</b>	<b>28</b>	<b>(13%)</b>	<b>29</b>	<b>112%</b>
Residential	13	10	(19%)	10	130%
Commercial	11	9	(11%)	10	103%
Industrial	9	8	(8%)	9	102%
<b>Renewables</b>	<b>3</b>	<b>3</b>	<b>0%</b>	<b>7</b>	<b>38%</b>

<b>Gas- Million Annual Therms</b>					
<b>Gas Efficiency</b>	<b>3</b>	<b>2.9</b>	<b>(7%)</b>	<b>2.4</b>	<b>120%</b>
Residential	1.5	1.5	1%	1.1	116%
Commercial	1.4	1.2	(16%)	1.1	127%
Industrial	0.2	0.2	1%	0.2	109%

Table 14C: 2008 Summary

	Old Reportable	New Reportable	% Change	Action Plan Conservative Goal	% of Goal Achieved
<b>Electric- Average Megawatts</b>					
<b>Elec. Efficiency</b>	<b>34</b>	<b>30</b>	<b>(10%)</b>	<b>27</b>	<b>128%</b>
Residential	18	15	(12%)	12	147%
Commercial	9	7.7	(10%)	7	132%
Industrial	8	7.5	(3%)	8	95%
<b>Renewables</b>	<b>33</b>	<b>33</b>	<b>0%</b>	<b>9</b>	<b>377%</b>
<b>Gas- Million Annual Therms</b>					
<b>Gas Efficiency</b>	<b>2.8</b>	<b>2.5</b>	<b>(9%)</b>	<b>1.7</b>	<b>142%</b>
Residential	1.5	1.5	(2%)	1	120%
Commercial	1.3	1	(18%)	0.7	178%
Industrial	0	0	0%	0	44%

Table 14D: 2007 Summary

	Old Reportable	New Reportable	% Change	Action Plan Conservative Goal	% of Goal Achieved
<b>Electric- Average Megawatts</b>					
<b>Elec. Efficiency</b>	<b>35</b>	<b>30</b>	<b>(16%)</b>	<b>25</b>	<b>144%</b>
Residential	16	16	0%	9	181%
Commercial	6	6	0%	5	127%
Industrial	14	7.8	(43%)	11	122%
<b>Renewables</b>	<b>47</b>	<b>47</b>	<b>0%</b>	<b>115</b>	<b>41%</b>
<b>Gas- Million Annual Therms</b>					
<b>Gas Efficiency</b>	<b>2.4</b>	<b>2.4</b>	<b>0%</b>	<b>2.4</b>	<b>101%</b>
Residential	1.3	1.3	0%	1.4	87%
Commercial	1.2	1.2	0%	1	120%
Industrial	0	0	0%	N/A	N/A

Table 14E: 2006 Summary

	Old Reportable	New Reportable	% Change	Action Plan Conservative Goal	% of Goal Achieved
<b>Electric- Average Megawatts</b>					
<b>Elec. Efficiency</b>	<b>26</b>	<b>26</b>	<b>0%</b>	<b>16</b>	<b>160%</b>
Residential	12	12	0%	6	193%
Commercial	6	6	0%	4	157%
Industrial	8	8	0%	6	129%
<b>Renewables</b>	<b>2</b>	<b>2</b>	<b>0%</b>	<b>33</b>	<b>6%</b>
<b>Gas- Million Annual Therms</b>					
<b>Gas Efficiency</b>	<b>2.3</b>	<b>2.3</b>	<b>0%</b>	<b>2.6</b>	<b>92%</b>
Residential	1	1	0%	1.1	87%
Commercial	1.4	1.4	0%	1.4	95%

Table 14F: 2005 Summary

	Old Reportable	New Reportable	% Change	Action Plan Conservative Goal	% of Goal Achieved
<b>Electric- Average Megawatts</b>					
<b>Elec. Efficiency</b>	<b>37</b>	<b>37</b>	<b>0%</b>	<b>32</b>	<b>115%</b>
Residential	9	9	0%	6	161%
Commercial	8	8	0%	6	126%
Industrial	20	20	0%	20	100%
<b>Renewables</b>	<b>0.5</b>	<b>0.5</b>	<b>0%</b>	<b>27</b>	<b>2%</b>
<b>Gas- Million Annual Therms</b>					
<b>Gas Efficiency</b>	<b>1.4</b>	<b>1.4</b>	<b>0%</b>	<b>1.3</b>	<b>107%</b>
Residential	1	1	0%	0.9	106%
Commercial	0.4	0.4	0%	0.4	110%

Table 14G: 2004 Summary

	Old Reportable	New Reportable	% Change	Action Plan Conservative Goal	% of Goal Achieved
<b>Electric- Average Megawatts</b>					
<b>Elec. Efficiency</b>	<b>26</b>	<b>26</b>	<b>0%</b>	<b>30</b>	<b>90%</b>
Residential	9	9	0%	4	242%
Commercial	7	7	0%	6	115%
Industrial	10	10	0%	19	52%
<b>Renewables</b>	<b>0.1</b>	<b>0.1</b>	<b>0%</b>	<b>22</b>	<b>0%</b>
<b>Gas- Million Annual Therms</b>					
<b>Gas Efficiency</b>	<b>1</b>	<b>1</b>	<b>0%</b>	<b>2.3</b>	<b>29%</b>
Residential	0.9	0.9	0%	0.9	65%
Commercial	0.1	0.1	0%	1.4	5%

Table 14H: 2003 Summary

	Old Reportable	New Reportable	% Change	Action Plan Conservative Goal	% of Goal Achieved
<b>Electric- Average Megawatts</b>					
<b>Elec Efficiency</b>	<b>16</b>	<b>16</b>	<b>0%</b>	<b>33</b>	<b>48%</b>
Residential	7	7	0%	8	89%
Commercial	6	6	0%	13	44%
Industrial	4	4	0%	13	27%
<b>Renewables</b>	<b>14</b>	<b>14</b>	<b>0%</b>	<b>18</b>	<b>79%</b>
<b>Gas- Million Annual Therms</b>					
<b>Gas Efficiency</b>	<b>0.6</b>	<b>0.6</b>	<b>0%</b>	<b>None</b>	
Residential	0.6	0.6	0%	None	
Commercial	0	0	0%	None	

Table 14I: 2002 Summary

	Old Reportable	New Reportable	% Change	Action Plan Conservative Goal	% of Goal Achieved
<b>Electric- Average Megawatts</b>					
<b>Elec Efficiency</b>	<b>15</b>	<b>15</b>	<b>0%</b>	<b>None</b>	
Residential	6	6	0%	None	
Commercial	6	6	0%	None	
Industrial	3	3	0%	None	
<b>Renewables</b>	<b>15</b>	<b>15</b>	<b>0%</b>	<b>None</b>	

## Appendix – 2011 True Up Impacts by Program by Year

# 2011 True-up Results By Year/By Program

<u>Program</u>	<u>Working kWh</u>	<u>Old Rpt kWh</u>	<u>New Rpt kWh</u>	<u>Kwh Change</u>	<u>Old Work Therm</u>	<u>Old Rpt Therm</u>	<u>New Rpt Therm</u>	<u>Therm Change</u>
<b>2002</b>								
<b>Efficiency</b>								
<b>Commercial</b>								
GLED	1,483,621	1,631,982	1,631,982	0	0	0	0	0
NCI	2,698,280	6,676,750	6,676,750	0	0	0	0	0
REST	30,000	33,000	33,000	0	0	0	0	0
UTE	49,854,619	39,238,166	39,238,166	0	0	0	0	0
UTN	5,271,572	3,997,452	3,997,452	0	0	0	0	0
<b>Commercial</b>	<b>59,338,092</b>	<b>51,577,350</b>	<b>51,577,350</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Industrial</b>								
NIP	7,032,060	4,304,670	4,304,670	0	0	0	0	0
UTI	15,536,033	25,759,290	25,759,290	0	0	0	0	0
<b>Industrial</b>	<b>22,568,093</b>	<b>30,063,960</b>	<b>30,063,960</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Residential</b>								
MOB	1,160,400	561,834	561,834	0	0	0	0	0
NR	27,270,070	41,635,950	41,635,950	0	0	0	0	0
UTR	8,404,144	7,903,091	7,903,091	0	0	0	0	0
<b>Residential</b>	<b>36,834,614</b>	<b>50,100,875</b>	<b>50,100,875</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Efficiency</b>	<b>118,740,799</b>	<b>131,742,185</b>	<b>131,742,185</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Renewables</b>								
<b>Renewables</b>								
OP	21,500	21,500	21,500	0	0	0	0	0
<b>Renewables</b>	<b>21,500</b>	<b>21,500</b>	<b>21,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Renewables</b>	<b>21,500</b>	<b>21,500</b>	<b>21,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2002</b>	<b>118,762,299</b>	<b>131,763,685</b>	<b>131,763,685</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

# 2011 True-up Results By Year/By Program

<u>Program</u>	<u>Working kWh</u>	<u>Old Rpt kWh</u>	<u>New Rpt kWh</u>	<u>Kwh Change</u>	<u>Old Work Therm</u>	<u>Old Rpt Therm</u>	<u>New Rpt Therm</u>	<u>Therm Change</u>
<b>2003</b>								
<b>Efficiency</b>								
<b>Commercial</b>								
BE	11,796,208	9,190,336	9,190,336	0	750	2,423	2,423	0
BTO	0	0	0	0	0	0	0	0
GLD	68,286	75,115	75,115	0	0	0	0	0
LED	848,528	933,381	933,381	0	0	0	0	0
NCI	2,267,916	9,303,024	9,303,024	0	0	0	0	0
REST	240,000	264,000	264,000	0	0	0	0	0
SELP	2,207,621	242,838	242,838	0	0	0	0	0
UTE	24,463,382	24,317,616	24,317,616	0	0	0	0	0
UTN	5,868,541	6,115,768	6,115,768	0	0	0	0	0
<b>Commercial</b>	<b>47,760,482</b>	<b>50,442,078</b>	<b>50,442,078</b>	<b>0</b>	<b>750</b>	<b>2,423</b>	<b>2,423</b>	<b>0</b>
<b>Industrial</b>								
NIP	2,745,636	816,948	816,948	0	0	0	0	0
PEF	418,074	386,877	386,877	0	0	0	0	0
UTI	33,172,477	30,096,039	30,096,039	0	0	0	0	0
<b>Industrial</b>	<b>36,336,187</b>	<b>31,299,864</b>	<b>31,299,864</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Residential</b>								
DYS	1,104,190	1,214,206	1,214,206	0	13,593	13,593	13,593	0
HES	3,717,072	4,057,567	4,057,567	0	189,346	134,810	134,810	0
MHS	4,365,657	1,880,957	1,880,957	0	0	0	0	0
MOB	40,800	19,750	19,750	0	0	0	0	0
NR	32,475,264	49,004,520	49,004,520	0	0	0	0	0
TEH	0	0	0	0	461,856	461,856	461,856	0
UTR	2,328,119	2,085,396	2,085,396	0	0	0	0	0
<b>Residential</b>	<b>44,031,102</b>	<b>58,262,396</b>	<b>58,262,396</b>	<b>0</b>	<b>664,795</b>	<b>610,259</b>	<b>610,259</b>	<b>0</b>
<b>Efficiency</b>	<b>128,127,771</b>	<b>140,004,338</b>	<b>140,004,338</b>	<b>0</b>	<b>665,545</b>	<b>612,682</b>	<b>612,682</b>	<b>0</b>
<b>Renewables</b>								
<b>Renewables</b>								
OP	124,777	124,777	124,777	0	0	0	0	0
REN	124,830,000	124,830,000	124,830,000	0	0	0	0	0
SLE	228,451	251,294	251,294	0	0	0	0	0
<b>Renewables</b>	<b>125,183,228</b>	<b>125,206,071</b>	<b>125,206,071</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Renewables</b>	<b>125,183,228</b>	<b>125,206,071</b>	<b>125,206,071</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2003</b>	<b>253,310,999</b>	<b>265,210,409</b>	<b>265,210,409</b>	<b>0</b>	<b>665,545</b>	<b>612,682</b>	<b>612,682</b>	<b>0</b>

# 2011 True-up Results By Year/By Program

<u>Program</u>	<u>Working kWh</u>	<u>Old Rpt kWh</u>	<u>New Rpt kWh</u>	<u>Kwh Change</u>	<u>Old Work Therm</u>	<u>Old Rpt Therm</u>	<u>New Rpt Therm</u>	<u>Therm Change</u>
<b>2004</b>								
<b>Efficiency</b>								
<b>Commercial</b>								
BE	37,529,230	35,973,336	35,973,336	0	69,676	44,964	44,964	0
BTO	1,033,340	1,136,674	1,136,674	0	0	0	0	0
LED	2,676,250	2,943,875	2,943,875	0	0	0	0	0
NBE	697,113	603,732	603,732	0	50,280	24,972	24,972	0
NCI	1,996,080	10,019,136	10,019,136	0	0	0	0	0
SLWC	17,850	19,635	19,635	0	5,777	5,777	5,777	0
UTE	10,872,211	11,608,322	11,608,322	0	0	0	0	0
UTN	1,641,217	2,363,549	2,363,549	0	0	0	0	0
<b>Commercial</b>	<b>56,463,291</b>	<b>64,668,259</b>	<b>64,668,259</b>	<b>0</b>	<b>125,733</b>	<b>75,713</b>	<b>75,713</b>	<b>0</b>
<b>Industrial</b>								
NIP	3,166,596	720,996	720,996	0	0	0	0	0
PEF	89,759,323	83,056,009	83,056,009	0	0	0	0	0
UTI	5,601,213	2,358,808	2,358,808	0	0	0	0	0
<b>Industrial</b>	<b>98,527,132</b>	<b>86,135,813</b>	<b>86,135,813</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Residential</b>								
EHP	2,698,967	2,971,431	2,971,431	0	27,285	27,963	27,963	0
ENH	5,833	5,378	5,378	0	2,190	2,230	2,230	0
HES	4,873,333	4,646,922	4,646,922	0	1,087,452	523,348	523,348	0
MHS	13,455,080	5,064,922	5,064,922	0	35,731	18,200	18,200	0
NR	34,634,952	68,097,180	68,097,180	0	0	0	0	0
SHO	18,861	19,401	19,401	0	0	0	0	0
SLWR	47,943	52,737	52,737	0	5,223	5,223	5,223	0
TEH	0	0	0	0	342,981	342,981	342,981	0
UTR	303,756	329,318	329,318	0	0	0	0	0
<b>Residential</b>	<b>56,038,725</b>	<b>81,187,289</b>	<b>81,187,289</b>	<b>0</b>	<b>1,500,862</b>	<b>919,945</b>	<b>919,945</b>	<b>0</b>
<b>Efficiency</b>	<b>211,029,148</b>	<b>231,991,361</b>	<b>231,991,361</b>	<b>0</b>	<b>1,626,595</b>	<b>995,658</b>	<b>995,658</b>	<b>0</b>
<b>Renewables</b>								
<b>Renewables</b>								
OP	266,960	266,960	266,960	0	0	0	0	0
SLE	471,520	518,677	518,677	0	0	0	0	0
<b>Renewables</b>	<b>738,480</b>	<b>785,637</b>	<b>785,637</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Renewables</b>	<b>738,480</b>	<b>785,637</b>	<b>785,637</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2004</b>	<b>211,767,628</b>	<b>232,776,998</b>	<b>232,776,998</b>	<b>0</b>	<b>1,626,595</b>	<b>995,658</b>	<b>995,658</b>	<b>0</b>

# 2011 True-up Results By Year/By Program

<u>Program</u>	<u>Working kWh</u>	<u>Old Rpt kWh</u>	<u>New Rpt kWh</u>	<u>Kwh Change</u>	<u>Old Work Therm</u>	<u>Old Rpt Therm</u>	<u>New Rpt Therm</u>	<u>Therm Change</u>
<b>2005</b>								
<b>Efficiency</b>								
<b>Commercial</b>								
BE	55,000,771	52,638,910	52,638,910	0	540,230	400,845	400,845	0
BTO	657,580	723,338	723,338	0	0	0	0	0
LED	2,565,094	2,821,605	2,821,605	0	0	0	0	0
NBE	9,341,083	7,304,329	7,304,329	0	147,048	33,749	33,749	0
NCI	1,446,266	2,956,272	2,956,272	0	0	0	0	0
SLWC	31,990	35,189	35,189	0	3,874	3,874	3,874	0
<b>Commercial</b>	<b>69,042,784</b>	<b>66,479,643</b>	<b>66,479,643</b>	<b>0</b>	<b>691,152</b>	<b>438,469</b>	<b>438,469</b>	<b>0</b>
<b>Industrial</b>								
IR	0	0	0	0	0	0	0	0
NIP	2,294,368	2,639,719	2,639,719	0	0	0	0	0
PEF	188,262,995	174,205,634	174,205,634	0	0	0	0	0
<b>Industrial</b>	<b>190,557,363</b>	<b>176,845,353</b>	<b>176,845,353</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Residential</b>								
EHP	14,431,816	15,647,646	15,647,646	0	108,626	108,541	108,541	0
EMH	32,585	35,841	35,841	0	0	0	0	0
ENH	961,658	1,014,586	1,014,586	0	92,964	91,240	91,240	0
HES	1,027,718	3,390,933	3,390,933	0	1,105,450	540,076	540,076	0
MHS	21,171,799	8,192,650	8,192,650	0	94,791	42,050	42,050	0
NR	25,094,891	50,276,010	50,276,010	0	0	0	0	0
SHO	168,270	185,310	185,310	0	0	0	0	0
SLWR	133,317	146,615	146,615	0	14,810	14,810	14,810	0
TEH	0	0	0	0	157,264	157,264	157,264	0
<b>Residential</b>	<b>63,022,054</b>	<b>78,889,591</b>	<b>78,889,591</b>	<b>0</b>	<b>1,573,905</b>	<b>953,981</b>	<b>953,981</b>	<b>0</b>
<b>Efficiency</b>	<b>322,622,201</b>	<b>322,214,587</b>	<b>322,214,587</b>	<b>0</b>	<b>2,265,058</b>	<b>1,392,450</b>	<b>1,392,450</b>	<b>0</b>
<b>Renewables</b>								
<b>Renewables</b>								
BIO	3,355,000	3,556,300	3,556,300	0	0	0	0	0
OP	12,746	12,746	12,746	0	0	0	0	0
SLE	440,393	484,246	484,246	0	0	0	0	0
SMW	0	0	0	0	0	0	0	0
<b>Renewables</b>	<b>3,808,139</b>	<b>4,053,292</b>	<b>4,053,292</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Renewables</b>	<b>3,808,139</b>	<b>4,053,292</b>	<b>4,053,292</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2005</b>	<b>326,430,340</b>	<b>326,267,879</b>	<b>326,267,879</b>	<b>0</b>	<b>2,265,058</b>	<b>1,392,450</b>	<b>1,392,450</b>	<b>0</b>



# 2011 True-up Results By Year/By Program

<u>Program</u>	<u>Working kWh</u>	<u>Old Rpt kWh</u>	<u>New Rpt kWh</u>	<u>Kwh Change</u>	<u>Old Work Therm</u>	<u>Old Rpt Therm</u>	<u>New Rpt Therm</u>	<u>Therm Change</u>
<b>2006</b>								
<b>Efficiency</b>								
<b>Commercial</b>								
BE	31,297,881	26,002,214	26,002,214	0	925,410	679,691	679,691	0
BTO	1,493,294	1,642,624	1,642,624	0	40,179	40,179	40,179	0
NBE	22,554,037	16,168,519	16,168,519	0	863,917	641,026	641,026	0
NCI	8,866,788	6,866,440	6,866,440	0	0	0	0	0
SLB	0	0	0	0	6,442	4,190	4,190	0
<b>Commercial</b>	<b>64,212,000</b>	<b>50,679,797</b>	<b>50,679,797</b>	<b>0</b>	<b>1,835,947</b>	<b>1,365,085</b>	<b>1,365,085</b>	<b>0</b>
<b>Industrial</b>								
IR	50,670	53,710	53,710	0	0	0	0	0
NIP	8,930,457	3,712,677	3,712,677	0	0	0	0	0
PEF	71,984,735	64,786,517	64,786,517	0	0	0	0	0
<b>Industrial</b>	<b>80,965,862</b>	<b>68,552,904</b>	<b>68,552,904</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Residential</b>								
EHP	21,176,266	23,781,599	23,781,599	0	94,128	152,499	152,499	0
EMH	1,060,094	1,166,176	1,166,176	0	3,269	3,277	3,277	0
ENH	2,839,092	3,174,916	3,174,916	0	239,895	228,798	228,798	0
HES	6,905,949	5,541,559	5,541,559	0	652,225	531,435	531,435	0
HPF	5,447	5,656	5,656	0	3,210	2,596	2,596	0
MHS	11,537,295	3,778,263	3,778,263	0	73,792	32,537	32,537	0
NR	40,494,213	69,577,161	69,577,161	0	0	0	0	0
SHO	221,200	243,405	243,405	0	0	0	0	0
SLF	0	0	0	0	322	322	322	0
SLH	208,892	229,785	229,785	0	26,448	26,448	26,448	0
SLWR	0	34	34	0	0	0	0	0
<b>Residential</b>	<b>84,448,448</b>	<b>107,498,554</b>	<b>107,498,554</b>	<b>0</b>	<b>1,093,288</b>	<b>977,912</b>	<b>977,912</b>	<b>0</b>
<b>Efficiency</b>	<b>229,626,310</b>	<b>226,731,255</b>	<b>226,731,255</b>	<b>0</b>	<b>2,929,236</b>	<b>2,342,998</b>	<b>2,342,998</b>	<b>0</b>
<b>Renewables</b>								
<b>Renewables</b>								
BIO	15,768,000	16,714,080	16,714,080	0	0	0	0	0
OP	49,641	49,641	49,641	0	0	0	0	0
SLE	636,375	700,219	700,219	0	0	0	0	0
SMW	0	0	0	0	0	0	0	0
<b>Renewables</b>	<b>16,454,016</b>	<b>17,463,940</b>	<b>17,463,940</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Renewables</b>	<b>16,454,016</b>	<b>17,463,940</b>	<b>17,463,940</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>2006</b>	<b>246,080,326</b>	<b>244,195,195</b>	<b>244,195,195</b>	<b>0</b>	<b>2,929,236</b>	<b>2,342,998</b>	<b>2,342,998</b>	<b>0</b>

# 2011 True-up Results By Year/By Program

<u>Program</u>	<u>Working kWh</u>	<u>Old Rpt kWh</u>	<u>New Rpt kWh</u>	<u>Kwh Change</u>	<u>Old Work Therm</u>	<u>Old Rpt Therm</u>	<u>New Rpt Therm</u>	<u>Therm Change</u>
<b>2007</b>								
<b>Efficiency</b>								
<b>Commercial</b>								
BE	26,621,767	21,974,403	21,974,403	0	522,190	382,093	382,093	0
BTO	2,722,856	2,995,144	2,995,144	0	207,604	207,604	207,604	0
NBE	26,071,095	18,650,226	18,650,226	0	768,002	569,857	569,857	0
NCI	2,402,511	7,442,021	7,442,021	0	0	0	0	0
SLB	52,794	58,073	58,073	0	4,806	4,806	4,806	0
SLN	0	0	0	0	519	519	519	0
<b>Commercial</b>	<b>57,871,023</b>	<b>51,119,867</b>	<b>51,119,867</b>	<b>0</b>	<b>1,503,121</b>	<b>1,164,879</b>	<b>1,164,879</b>	<b>0</b>
<b>Industrial</b>								
IR	201,942	214,060	214,060	0	0	0	0	0
NIP	10,784,667	2,423,530	2,423,530	0	0	0	0	0
PEF	128,698,407	116,154,412	65,272,656	-50,881,756	4,192	3,067	3,067	0
<b>Industrial</b>	<b>139,685,016</b>	<b>118,792,002</b>	<b>67,910,246</b>	<b>-50,881,756</b>	<b>4,192</b>	<b>3,067</b>	<b>3,067</b>	<b>0</b>
<b>Residential</b>								
EHP	51,052,499	38,044,407	38,044,407	0	53,799	53,799	53,799	0
EMH	675,812	682,894	682,894	0	4,901	4,901	4,901	0
ENH	1,232,647	1,345,042	1,345,042	0	277,621	274,620	274,620	0
HES	10,054,874	8,927,164	8,927,164	0	757,265	577,462	577,462	0
HPF	28,807	26,134	26,134	0	19,621	15,212	15,212	0
LIR	257,231	250,774	250,774	0	0	0	0	0
MHS	10,484,562	3,336,920	3,336,920	0	45,319	18,803	18,803	0
NEX	0	0	0	0	0	0	0	0
NR	47,986,761	87,095,979	87,095,979	0	0	0	0	0
SHO	323,268	355,595	355,595	0	0	0	0	0
SLF	89,852	98,837	98,837	0	156	156	156	0
SLH	257,981	283,786	283,786	0	30,031	30,031	30,031	0
TEH	0	0	0	0	288,210	288,210	288,210	0
XMH	539,249	546,824	546,824	0	950	891	891	0
<b>Residential</b>	<b>122,983,543</b>	<b>140,994,356</b>	<b>140,994,356</b>	<b>0</b>	<b>1,477,873</b>	<b>1,264,085</b>	<b>1,264,085</b>	<b>0</b>
<b>Efficiency</b>	<b>320,539,582</b>	<b>310,906,225</b>	<b>260,024,469</b>	<b>-50,881,756</b>	<b>2,985,187</b>	<b>2,432,032</b>	<b>2,432,032</b>	<b>0</b>
<b>Renewables</b>								
<b>Renewables</b>								
BIO	0	0	0	0	0	0	0	0
OP	49,500	49,500	49,500	0	0	0	0	0
REN	409,741,992	409,741,992	409,741,992	0	0	0	0	0
SLE	1,172,015	1,289,233	1,289,233	0	0	0	0	0
SMW	0	0	0	0	0	0	0	0

# 2011 True-up Results By Year/By Program

<u>Program</u>	<u>Working kWh</u>	<u>Old Rpt kWh</u>	<u>New Rpt kWh</u>	<u>Kwh Change</u>	<u>Old Work Therm</u>	<u>Old Rpt Therm</u>	<u>New Rpt Therm</u>	<u>Therm Change</u>
<b>2007</b>								
Renewables	410,963,507	411,080,725	411,080,725	0	0	0	0	0
Renewables	410,963,507	411,080,725	411,080,725	0	0	0	0	0
<b>2007</b>	<b>731,503,089</b>	<b>721,986,950</b>	<b>671,105,194</b>	<b>-50,881,756</b>	<b>2,985,187</b>	<b>2,432,032</b>	<b>2,432,032</b>	<b>0</b>

# 2011 True-up Results By Year/By Program

<u>Program</u>	<u>Working kWh</u>	<u>Old Rpt kWh</u>	<u>New Rpt kWh</u>	<u>Kwh Change</u>	<u>Old Work Therm</u>	<u>Old Rpt Therm</u>	<u>New Rpt Therm</u>	<u>Therm Change</u>
<b>2008</b>								
<b>Efficiency</b>								
<b>Commercial</b>								
BE	42,549,334	38,224,563	32,108,656	-6,115,907	1,178,250	871,121	714,319	-156,802
BTO	4,142,159	4,556,374	4,556,374	0	26,230	26,230	26,230	0
NBE	34,132,672	25,413,818	21,855,882	-3,557,936	467,249	346,699	280,826	-65,873
NCI	3,021,109	7,144,925	9,216,953	2,072,028	0	0	0	0
SLB	6,782	7,461	7,461	0	7,309	7,309	7,309	0
SLN	45,008	49,509	49,509	0	955	955	955	0
<b>Commercial</b>	83,897,064	75,396,650	67,794,835	-7,601,815	1,679,993	1,252,313	1,029,639	-222,674
<b>Industrial</b>								
NIP	9,440,677	5,403,844	3,350,384	-2,053,460	0	0	0	0
PEF	32,835,263	25,861,853	25,861,853	0	17,554	12,978	12,978	0
PEL	46,130,326	36,333,292	36,333,292	0	0	0	0	0
<b>Industrial</b>	88,406,266	67,598,989	65,545,529	-2,053,460	17,554	12,978	12,978	0
<b>Residential</b>								
EHP	59,279,957	47,811,265	46,872,406	-938,859	47,788	52,456	52,456	0
EMH	1,230,884	1,225,601	1,225,601	0	3,851	3,851	3,851	0
ENH	1,229,637	1,331,973	1,331,973	0	268,783	259,718	259,718	0
HES	15,162,574	13,101,605	13,101,605	0	1,009,366	710,484	683,280	-27,205
HPF	106,518	92,068	92,068	0	45,783	35,457	35,457	0
HPP	98,400	108,240	108,240	0	0	0	0	0
LIR	89,618	85,705	85,705	0	0	0	0	0
MHS	15,367,903	8,596,531	5,833,529	-2,763,002	80,025	35,640	32,377	-3,263
NEX	0	0	0	0	0	0	0	0
NMF	132,718	131,134	131,134	0	2,778	2,778	2,778	0
NR	45,651,845	79,342,910	64,267,757	-15,075,153	0	0	0	0
SFP	2,011,980	2,213,177	2,213,177	0	78,520	78,520	78,520	0
SHO	208,876	229,764	229,764	0	88	88	88	0
SLF	43,384	47,723	47,723	0	1,667	1,667	1,667	0
SLH	288,928	317,826	317,826	0	17,755	17,755	17,755	0
TNH	0	0	0	0	287,485	287,485	287,485	0
XMH	979,968	1,023,327	1,023,327	0	3,677	3,653	3,653	0
<b>Residential</b>	141,883,190	155,658,849	136,881,835	-18,777,014	1,847,565	1,489,552	1,459,084	-30,468
<b>Efficiency</b>	314,186,520	298,654,488	270,222,199	-28,432,289	3,545,112	2,754,843	2,501,701	-253,142
<b>Renewables</b>								
<b>Renewables</b>								
BIO	22,215,520	23,548,451	23,548,451	0	0	0	0	0
OP	873,620	873,620	873,620	0	0	0	0	0

# 2011 True-up Results By Year/By Program

<u>Program</u>	<u>Working kWh</u>	<u>Old Rpt kWh</u>	<u>New Rpt kWh</u>	<u>Kwh Change</u>	<u>Old Work Therm</u>	<u>Old Rpt Therm</u>	<u>New Rpt Therm</u>	<u>Therm Change</u>
<b>2008</b>								
REN	263,676,000	263,676,000	263,676,000	0	0	0	0	0
SLE	3,270,772	3,597,865	3,597,865	0	0	0	0	0
SMW	0	0	0	0	0	0	0	0
VSW	29,100	32,010	32,010	0	0	0	0	0
<b>Renewables</b>	290,065,012	291,727,946	291,727,946	0	0	0	0	0
<b>Renewables</b>	290,065,012	291,727,946	291,727,946	0	0	0	0	0
<b>2008</b>	<b>604,251,532</b>	<b>590,382,434</b>	<b>561,950,145</b>	<b>-28,432,289</b>	<b>3,545,112</b>	<b>2,754,843</b>	<b>2,501,701</b>	<b>-253,142</b>

# 2011 True-up Results By Year/By Program

<u>Program</u>	<u>Working kWh</u>	<u>Old Rpt kWh</u>	<u>New Rpt kWh</u>	<u>Kwh Change</u>	<u>Old Work Therm</u>	<u>Old Rpt Therm</u>	<u>New Rpt Therm</u>	<u>Therm Change</u>
<b>2009</b>								
<b>Efficiency</b>								
<b>Commercial</b>								
BE	74,263,627	66,791,284	54,768,938	-12,022,346	1,079,140	798,564	662,808	-135,756
BTO	0	0	0	0	0	0	0	0
NBE	23,971,005	17,706,299	16,289,759	-1,416,540	705,573	523,535	439,770	-83,766
NBM	3,519,030	3,058,038	2,813,396	-244,642	45,753	32,027	26,903	-5,124
NCI	4,175,846	4,593,433	7,900,704	3,307,271	0	0	0	0
SLB	30,920	34,012	34,012	0	9,655	9,655	9,655	0
SLN	26,965	29,660	29,660	0	12,380	12,380	12,380	0
<b>Commercial</b>	105,987,393	92,212,726	81,836,469	-10,376,257	1,852,501	1,376,161	1,151,515	-224,646
<b>Industrial</b>								
NIP	8,668,305	9,188,403	2,113,333	-7,075,070	0	0	0	0
PEF	30,802,934	25,494,323	25,749,255	254,932	291,667	226,625	228,892	2,266
PEL	52,545,792	44,137,315	44,578,685	441,370	7,357	5,716	5,774	57
<b>Industrial</b>	92,017,031	78,820,041	72,441,273	-6,378,768	299,024	232,342	234,665	2,323
<b>Residential</b>								
EHP	42,271,669	41,874,719	35,153,733	-6,720,986	53,235	53,235	53,235	0
EMH	942,676	957,937	957,937	0	4,372	4,372	4,372	0
ENH	850,495	924,229	924,229	0	113,186	113,186	113,186	0
HES	16,917,398	15,336,993	15,335,440	-1,553	1,315,303	971,896	986,884	14,988
HPF	51,712	46,650	46,650	0	48,299	37,571	37,571	0
LIR	194,040	196,784	196,784	0	0	0	0	0
MHS	12,478,076	7,537,773	7,537,773	0	78,087	47,762	47,762	0
NMF	158,393	162,845	162,845	0	1,087	1,087	1,087	0
NR	38,467,120	42,313,832	27,927,129	-14,386,703	0	0	0	0
SFP	0	0	0	0	0	0	0	0
SHO	267,336	294,066	294,066	0	0	0	0	0
SLF	75,785	83,363	83,363	0	1,859	1,859	1,859	0
SLH	266,302	291,555	291,555	0	12,321	12,080	12,080	0
TNH	0	0	0	0	229,349	229,349	229,349	0
XMH	2,174,353	2,087,168	2,087,168	0	6,352	5,093	5,093	0
<b>Residential</b>	115,115,355	112,107,914	90,998,672	-21,109,242	1,863,449	1,477,490	1,492,478	14,988
<b>Efficiency</b>	313,119,779	283,140,681	245,276,414	-37,864,267	4,014,975	3,085,993	2,878,658	-207,335
<b>Renewables</b>								
<b>Renewables</b>								
BIO	11,473,000	12,161,380	12,161,380	0	0	0	0	0
OP	5,390,087	5,390,087	5,390,087	0	0	0	0	0
REN	0	0	0	0	0	0	0	0

# 2011 True-up Results By Year/By Program

<u>Program</u>	<u>Working kWh</u>	<u>Old Rpt kWh</u>	<u>New Rpt kWh</u>	<u>Kwh Change</u>	<u>Old Work Therm</u>	<u>Old Rpt Therm</u>	<u>New Rpt Therm</u>	<u>Therm Change</u>
<b>2009</b>								
SLE	4,910,484	5,401,549	5,401,549	0	0	0	0	0
SMW	50,000	53,000	53,000	0	0	0	0	0
VSW	93,182	102,500	102,500	0	0	0	0	0
<b>Renewables</b>	21,916,753	23,108,516	23,108,516	0	0	0	0	0
<b>Renewables</b>	21,916,753	23,108,516	23,108,516	0	0	0	0	0
<b>2009</b>	<b>335,036,532</b>	<b>306,249,197</b>	<b>268,384,930</b>	<b>-37,864,267</b>	<b>4,014,975</b>	<b>3,085,993</b>	<b>2,878,658</b>	<b>-207,335</b>

# 2011 True-up Results By Year/By Program

<u>Program</u>	<u>Working kWh</u>	<u>Old Rpt kWh</u>	<u>New Rpt kWh</u>	<u>Kwh Change</u>	<u>Old Work Therm</u>	<u>Old Rpt Therm</u>	<u>New Rpt Therm</u>	<u>Therm Change</u>
<b>2010</b>								
<b>Efficiency</b>								
<b>Commercial</b>								
BE	86,878,258	78,364,250	83,849,766	5,485,516	1,724,037	1,275,787	1,505,430	229,642
BEM	11,336,423	8,950,762	9,577,217	626,455	78,816	58,324	59,491	1,166
BTO	2,636,452	2,900,097	2,900,097	0	23,662	23,662	23,662	0
ESC	4,902,993	5,393,293	5,393,293	0	0	0	0	0
NBE	44,396,788	39,481,158	36,075,305	-3,405,853	890,887	623,621	442,771	-180,850
NBM	5,716,805	4,339,058	3,384,463	-954,595	243,993	170,795	121,265	-49,531
NCI	12,031,163	13,234,281	13,234,281	0	0	0	0	0
SLB	15,242	16,766	16,766	0	4,377	4,377	4,377	0
SLN	13,107	14,418	14,418	0	3,018	3,018	3,018	0
<b>Commercial</b>	167,927,231	152,694,083	154,445,606	1,751,523	2,968,791	2,159,585	2,160,013	428
<b>Industrial</b>								
NIP	2,487,595	2,636,849	2,636,849	0	0	0	0	0
PEF	54,191,619	44,808,169	51,081,312	6,273,143	624,219	486,891	598,876	111,985
PEL	87,887,693	74,724,402	85,185,802	10,461,400	7,547	5,887	7,241	1,354
<b>Industrial</b>	144,566,907	122,169,420	138,903,963	16,734,543	631,766	492,778	606,117	113,339
<b>Residential</b>								
EHP	54,772,454	54,112,261	45,845,722	-8,266,539	96,396	96,396	96,396	0
EMH	687,256	750,561	750,561	0	2,425	2,425	2,425	0
ENH	469,540	516,534	516,534	0	72,909	72,909	72,909	0
HES	30,831,808	31,851,060	31,593,405	-257,655	1,195,855	1,025,498	959,654	-65,843
HPF	1,282,499	1,197,765	1,197,765	0	214,115	165,535	165,535	0
LIR	252,840	276,024	276,024	0	0	0	0	0
MHS	-27,252	-24,581	-24,581	0	0	0	0	0
NR	19,749,027	21,723,931	21,723,931	0	0	0	0	0
SHO	62,748	69,021	69,021	0	0	0	0	0
SLF	47,520	52,275	52,275	0	3,308	3,308	3,308	0
SLH	293,977	323,370	323,370	0	17,195	17,195	17,195	0
TEH	0	0	0	0	230,000	230,000	230,000	0
TNH	0	0	0	0	303,240	303,240	303,240	0
XMH	4,119,072	4,136,240	4,136,240	0	8,249	5,987	5,987	0
<b>Residential</b>	112,541,489	114,984,461	106,460,267	-8,524,194	2,143,692	1,922,493	1,856,650	-65,843
<b>Efficiency</b>	425,035,627	389,847,964	399,809,836	9,961,872	5,744,250	4,574,856	4,622,780	47,924
<b>Renewables</b>								
<b>Renewables</b>								
BIO	0	0	0	0	0	0	0	0
OP	20,296,512	20,296,512	20,296,512	0	0	0	0	0



## 2011 True-up Results By Year/By Program

<u>Program</u>	<u>Working kWh</u>	<u>Old Rpt kWh</u>	<u>New Rpt kWh</u>	<u>Kwh Change</u>	<u>Old Work Therm</u>	<u>Old Rpt Therm</u>	<u>New Rpt Therm</u>	<u>Therm Change</u>
<b>2010</b>								
SLE	7,598,059	8,357,914	8,357,914	0	0	0	0	0
SMW	0	0	0	0	0	0	0	0
VSW	170,920	188,012	188,012	0	0	0	0	0
<b>Renewables</b>	28,065,491	28,842,438	28,842,438	0	0	0	0	0
<b>Renewables</b>	28,065,491	28,842,438	28,842,438	0	0	0	0	0
<b>2010</b>	<b>453,101,118</b>	<b>418,690,402</b>	<b>428,652,274</b>	<b>9,961,872</b>	<b>5,744,250</b>	<b>4,574,856</b>	<b>4,622,780</b>	<b>47,924</b>

Note: For 2005, as part of the BI QC Pilot project, it was discovered there were 49702 KWH assigned to PEF that should have been assigned to BE. An adjustment was made in Fast Track on June 23, 2010. True Up reports from 2001 forward will reflect these changes and show different numbers than True Up reports generated for 2002-2009.