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April 15, 2013

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street, 2nd Floor North
P.O. Box 3265
Harrisburg, PA 17105-3265

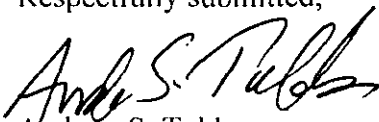
M-2009-2093216

Re: Quarterly Report (Preliminary Annual Report) for the Period December 2012 through February 2013 - Program Year 4, Quarter 3 of PPL Electric Utilities Corporation's Act 129 Plan

Dear Secretary Chiavetta:

Enclosed on behalf of PPL Electric Utilities Corporation ("PPL Electric") is the Quarterly Report (Preliminary Annual Report) for the period December 2012 through February 2013, Program Year 4, Quarter 3 of PPL Electric's Act 129 Plan.

Respectfully submitted,


Andrew S. Tubbs

AST/jl
Enclosure

cc: Richard F. Spellman (*GDS Associates, Inc., Act 129 Statewide Evaluator*)

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Quarterly Report to the Pennsylvania Public Utility Commission (Preliminary Annual Report)

**For the Period
December 2012 through February 2013
Program Year 4, Quarter 3**

**For Pennsylvania Act 129 of 2008
Energy Efficiency and Conservation Plan
April 15, 2013**

Prepared by The Cadmus Group, Inc.

For

PPL Electric

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Acronyms

| | |
|---------|--|
| C&I | Commercial and Industrial |
| CFL | Compact Fluorescent Lamp |
| CPITD | Cumulative Program/Portfolio Inception to Date |
| CPITD-Q | Cumulative Program/Portfolio Inception through Current Quarter |
| CSP | Conservation Services Provider |
| DLC | Direct Load Control |
| EDC | Electric Distribution Company |
| EE&C | Energy Efficiency and Conservation |
| EEMIS | Energy Efficiency Management Information System |
| EM&V | Evaluation, Measurement, and Verification |
| HVAC | Heating, Ventilating, and Air Conditioning |
| IQ | Incremental Quarter |
| kW | Kilowatt |
| kWh | Kilowatt-hour |
| M&V | Measurement and Verification |
| MW | Megawatt |
| MWh | Megawatt-hour |
| NTG | Net-to-Gross |
| PUC | Public Utility Commission |
| PY1 | Program Year 2009 |
| PY2 | Program Year 2010 |
| PY3 | Program Year 2011 |
| PY4 | Program Year 2012 |
| SWE | Statewide Evaluator |
| T&D | Transmission and Distribution |
| TRC | Total Resource Cost |
| TRM | Technical Reference Manual |

1 Overview of Portfolio

Pennsylvania Act 129 of 2008, signed on October 15, 2008, mandated energy savings and demand reduction goals for the largest electric distribution companies (EDCs) in Pennsylvania. Each EDC submitted energy efficiency and conservation (EE&C) plans—which were approved by the Pennsylvania Public Utility Commission (PUC)—pursuant to these goals. This report documents the progress and effectiveness of EE&C accomplishments for PPL Electric in the third quarter of Program Year 4 (PY4), defined as December 1, 2012, through February 28, 2013, as well as the programs' cumulative accomplishments since inception.

The Cadmus Group, Inc., serving as PPL Electric's independent evaluation, measurement, and verifications (EM&V) conservation services provider (CSP), has responsibility for measurement and verification of energy savings and demand reduction. This quarterly report summarizes reported savings and program finances through PY4 Q3. PY4 verified savings will be reported in the annual report, to be filed November 15, 2013.

In the third quarter of PY4, PPL Electric's portfolio included 12 active programs:

1. The Appliance Recycling Program (ARP) offers customers incentives to have their outdated refrigerators, freezers, and air conditioners recycled.
2. The Efficient Equipment Incentive Program offers prescriptive rebates to residential and nonresidential customers.
3. The Custom Incentive Program offers custom incentives to nonresidential customers per kilowatt hour (kWh) saved during the first year of participation.
4. The Residential Lighting Program (formerly Compact Fluorescent Lighting [CFL] Campaign), an upstream program, offers incentives to manufacturers to buy down CFL costs; manufacturers and retailers then lower CFL costs to consumers.
5. The Renewable Energy Program encourages PPL Electric customers to install a solar photovoltaic array or ground-source heat pump through financial incentives, reducing upfront system costs. The program was closed to new participants, but some ground source heat pump projects were completed in Q3.
6. The Act 129 Winter Relief Assistance Program (WRAP) provides weatherization to low-income customers, with Act 129 funding used to expand the existing Low-Income Usage Reduction Program.
7. The E-Power Wise Program provides low-income customers with information about energy use, along with home energy kits.
8. The HVAC Tune-Up Program offers services to all commercial and small industrial customers with existing split or packaged HVAC rooftop units.
9. The Residential Energy Assessment & Weatherization Program provides residential customers with information about their homes' energy performance, and offers recommendations regarding the most effective, highest-priority, energy-efficiency actions they can take to save energy in their homes.
10. The Energy Efficiency Behavior & Education Program encourages customers to take energy-savings actions, providing periodic reports with energy-saving tips and usage comparisons to other peer customers.

11. The Direct Load Control Program achieved demand reductions in PY4 from June 1 through September 30, 2012, the only period when peak load reductions applied under Act 129. PPL Electric began recruiting participants for the Direct Load Control Program in PY2 Q4. Participants were reported in the quarter they were enrolled. Impact results and process findings will be reported in PY4 as a standalone report, which will also be included in the final PY4 annual report. No demand reduction was reported in prior quarters. Verified demand reductions are reported in this quarterly report.
12. The Load Curtailment Program achieved demand reductions in PY4 from June 1 through September 30, 2012, the only period when peak load reductions applied under Act 129. PPL Electric began recruiting participants for the Load Curtailment Program in PY3 Q1. Participants were reported in the quarter they were enrolled. Impact results and process findings will be reported in PY4 as a standalone report, which will also be included in the final PY4 annual report. Demand reduction was reported in the PY4 Q2. Verified demand reductions are reported in this quarterly report.

1.1 Summary of Achievements

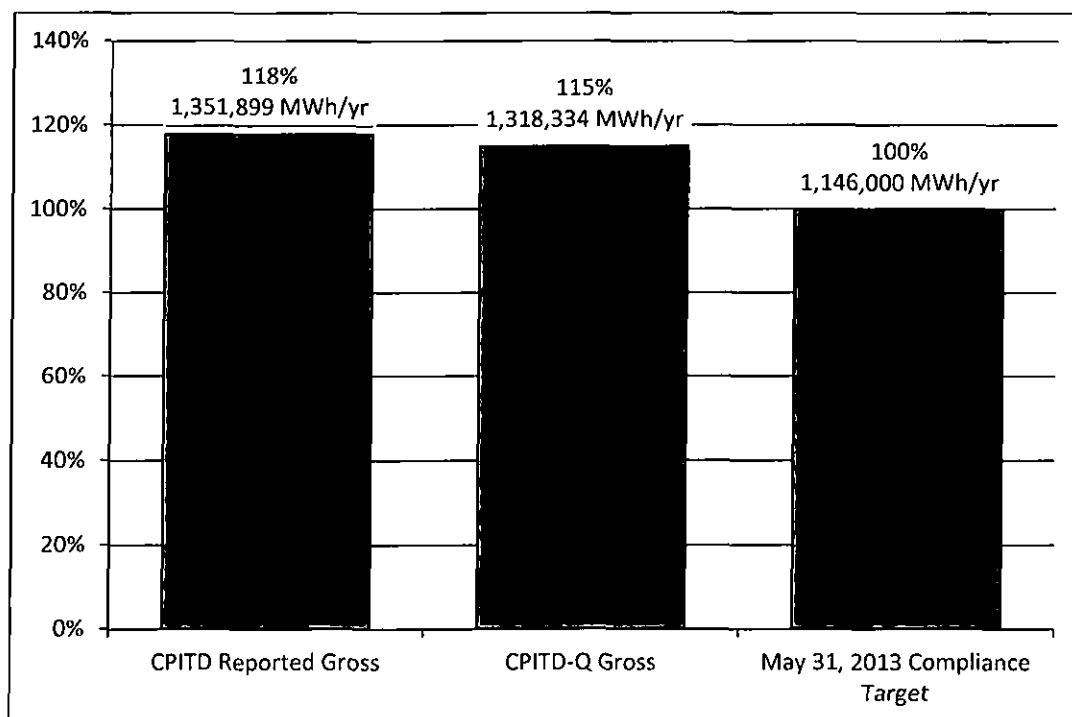
PPL Electric achieved 118% of the May 31, 2013, energy savings compliance target, based on cumulative program inception to date (CPITD) reported gross energy savings;¹ and 115% of the energy savings compliance target, based on CPITD gross energy savings, achieved through Quarter 3 (CPITD-Q),² as shown in

Figure 1-1.

¹ CPITD Reported Gross Savings = CPITD Reported Gross Savings through PY3 + PYTD Reported Gross Savings. All savings reported as CPITD reported gross savings have been computed this way.

² CPITD-Q Gross Savings = CPITD Verified Gross Savings through PY3 + PYTD Reported Gross Savings. All savings reported as CPITD-Q gross savings have been computed this way. CPITD-Q savings provide the best available estimate of savings achieved through the current quarter. CPITD Verified Gross Savings through PY4 will be reported in the PY4 Final Annual Report, to be filed November 15, 2013.

Figure 1-1: CPITD Portfolio Energy Impacts



PPL Electric achieved 353.39 MW demand reduction, based on the CPITD reported gross demand reduction, and 346.31 MW, based on CPITD gross demand reductions achieved through PY4 Quarter 3 (CPITD-Q), as shown in Figure 1-2. These include demand reduction during the top 100 hours plus demand reduction for measures installed after the top 100 hours. Measures contributing to demand reduction after the top 100 hours do not count toward the compliance target. The values in Figure 1-2 include the gross-up for line loss.³

³ The reported gross demand reductions from PPL Electric's EEMIS reporting database are determined based at the customer meter level, while the demand reduction compliance target was determined at the system or generation level. Therefore, a gross-up was applied (1.041205% for Large C&I, and 1.0833% for all other sectors) to reported gross demand reductions to reflect transmission and distribution (T&D) losses for useful comparison to the target.

Figure 1-2: CPITD Portfolio Demand Reduction

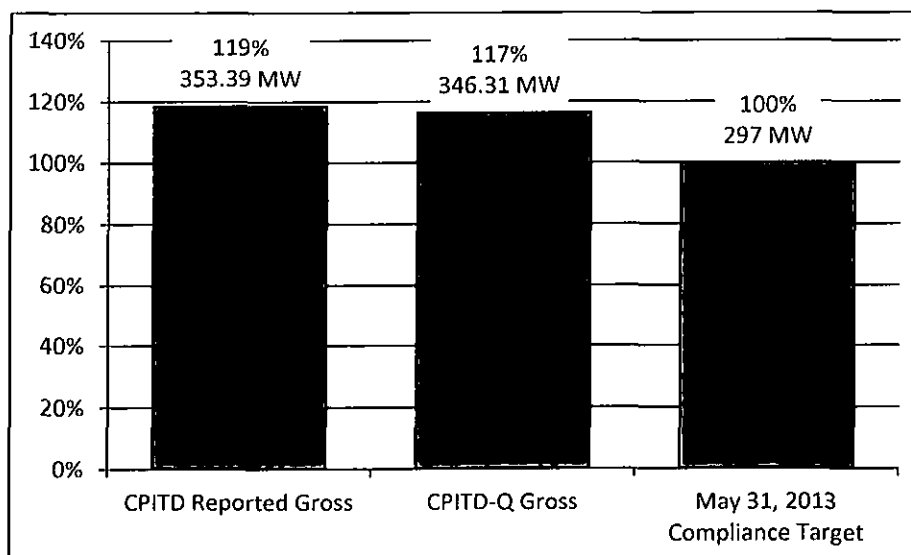


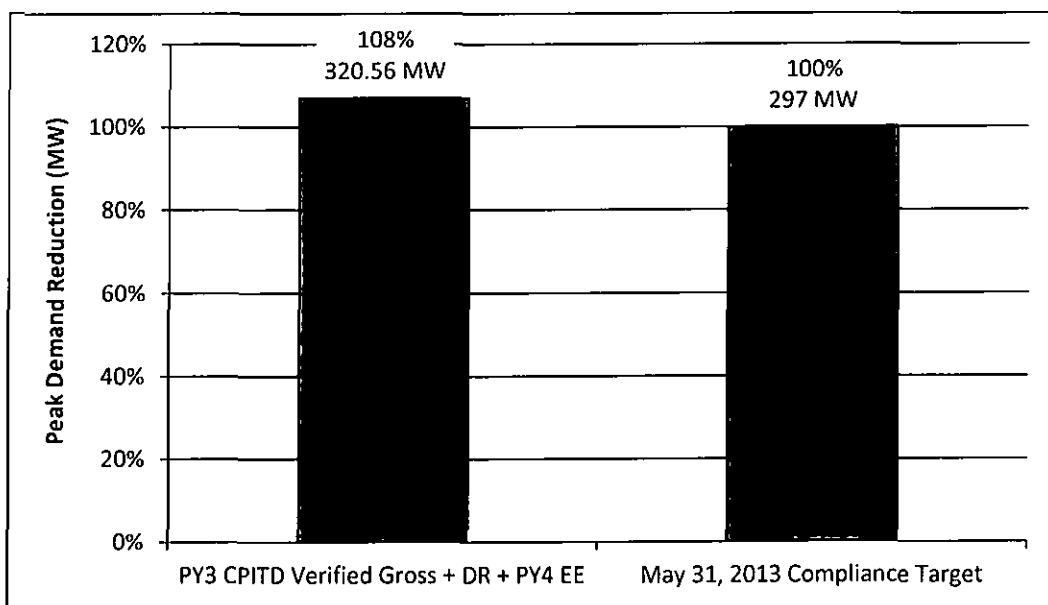
Figure 1-3 shows PPL achieved 108% of the May 31, 2013, demand reduction compliance target⁴. This includes verified PY3 demand reduction, plus verified demand reduction from the Direct Load Control and Load Curtailment programs, plus unverified demand reduction from energy-efficiency equipment reported during PY4 and installed before and during the peak 100 hours. Demand savings from equipment installed during the 100-hours period are prorated by the portion of the period within which they were installed.⁵

PPL Electric will continue to record energy efficiency transactions throughout PY4 that have an installation date prior to Aug 9. Those transactions will contribute toward the demand reduction compliance target. Therefore, total verified demand reductions will not be known until the PY4 Final Annual Report is issued November 15, 2013.

⁴ Ibid

⁵ Figure 1-3 includes 6.5 MW demand reduction for the Behavior and Education program. Since EEMIS did not record demand reduction for that program, no demand reduction for the Behavior and Education program is shown in CPITD or CPITD-Q.

Figure 1-3: CPITD Portfolio Demand Reduction from Measures Installed During Peak Period (Top 100 Hours)



Act 129 mandates that the number of measures offered to the low-income sector be proportionate to the low-income sector's share of total energy usage.⁶ There are 54 measures available specifically to the low-income sector. This includes measures that at least one person installed. There are 146 measures available to all customer sectors. The measures offered to the low-income sector through the two low-income specific programs (WRAP and E-Power Wise) comprise 37% of the total measures offered. This exceeds PPL Electric's low-income compliance target of 8.64% (the fraction of the electric consumption of the utility's low-income households divided by the total electricity consumption in the PPL Electric territory). These values are shown in **Table 1-1**.

⁶ Act 129 includes a provision requiring EDCs to offer a number of energy conservation measures to low-income households that are "*proportionate to those households' share of the total energy usage in the service territory.*" 66 Pa.C.S. §2806.1(b)(i)(G). The legislation contains no provisions regarding targets for participation, or for energy or demand savings.

Table 1-1: Low-Income Sector Compliance Metrics

| | Low-Income Sector | All Sectors | Percent Low-Income |
|-------------------------------|-------------------|-------------|--------------------|
| Number of Measures Offered | 54 | 146 | 36.99% |
| Electric Consumption (MWh/yr) | 3,376,606 | 39,090,157 | 8.64% |

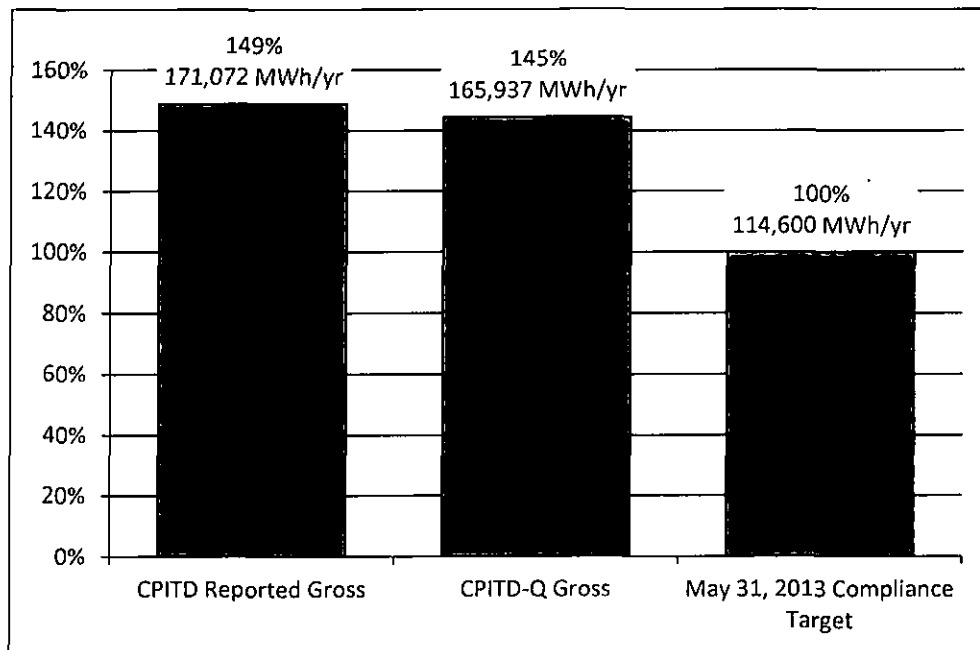
The CPITD reported gross energy savings for low-income sector programs (excluding low-income participation in non-low-income programs) is 23,539 MWh/yr—1.74% of CPITD total portfolio reported gross energy savings. Low-income savings from participation in general residential programs will be determined as part of the PY4 impact evaluation, with results included in the PY4 Final Annual Report, to be filed on November 15, 2013.⁷ The costs associated with low-income energy savings from general residential programs will also be determined as part of the PY4 annual impact evaluation and included in the PY4 Final Annual Report.⁸

PPL Electric achieved 149% of the May 31, 2013, energy reduction compliance target for the government, nonprofit, and institutional sectors, based on CPITD-reported gross energy savings, and 145% of the target, based on CPITD gross energy savings, achieved through Quarter 3, as shown in Figure 1-4.

⁷ SWE Guidance Memo 017 states that, “[t]he estimated savings from low-income programs and from participation in non-low-income programs shall be reported in Section 1.1 (“Summary of Progress Towards Compliance Targets”) of each EDC’s annual report.”

⁸ SWE Guidance Memo 017 states that, “in PY4 EDCs shall footnote the estimated costs of low-income savings from non-low-income programs in Section 1.1 of the annual reports.”

Figure 1-4: CPITD Government, Nonprofit, and Institutional Sectors Energy Impacts



1.2 Program Updates and Findings

This section summarizes changes occurring within each program during PY4 Q3:

- **ARP:** After the special winter promotion the incentive returned to \$35 from \$50.
- **Residential Lighting Program:** Lighting promotions with participating retailers have been ramping down during PY4, however, no significant change occurred during PY4 Q3.
- **Custom Incentive Program:** No significant change occurred during PY4 Q3.
- **Direct Load Control Program:** Events were called during PY4 Q1. The demand reduction verification analysis is complete and the final report is in progress.
- **Energy Efficiency Behavior & Education Program:** No significant change occurred during PY4 Q3.
- **Efficient Equipment Incentive Program (non-lighting measures):** No significant change occurred during PY4 Q3.
- **Efficient Equipment Incentive Program (commercial and industrial lighting [C&I]):** No significant change occurred during PY4 Q3.
- **E-Power Wise Program:** No significant change occurred during PY4 Q3.
- **Load Curtailment Program:** Events were called during PY4 Q1. The demand reduction verification analysis is complete and the final report is in progress.
- **WRAP:** No significant change occurred during PY4 Q3.
- **Renewable Energy Program:** This program closed in PY3. Some of the projects committed in PY2 and PY3 received rebates during PY4 Q3. The program had no updates to report for PY4 Q3.
- **HVAC Tune-Up Program:** No significant change occurred during PY4 Q3.

- **Residential Energy Assessment & Weatherization Program:** No significant change occurred during PY4 Q3.

1.3 Evaluation Updates and Findings

1.3.1 Evaluation Plan Updates

In PY3 Q4, updates to evaluation plans revised measurement and verification approaches. For example, revisions better reflected program participation and measure uptake (programs or measures scaled up or scaled down), or the addition of delivery channels. The revised plans guided the PY3 and PY4 evaluations, and were uploaded to the SWE SharePoint site.

1.3.2 PY4 Sampling Plan

PY4 sampling plans were developed early in PY4 for each program, with sampling plans guiding sample selection for each quarter. The sampling plans, reflecting the SWE's sampling guidelines, were based on the five, following primary instructions:

1. 90/10 confidence and precision (C/P) for the Residential Portfolio.
2. 90/10 C/P for the Nonresidential Portfolio.
3. 85/15 C/P for each program, within each portfolio.⁹
4. The government, nonprofit, and institutional sector, and low-income sector populations should be treated as independent program populations (and sampled at 85/15 C/P) if their contributions to the respective sector-level portfolios are more than 20%.
5. All C/P levels are minimums, with EDC evaluators encouraged to exceed minimum requirements.

Evaluation activities and measure verifications included record reviews (desk audits), participant surveys, site visits, and metering. Records reviews also played a primary role in quality assurance and quality control (QA/QC). Site visits, by their nature, included records reviews. Where metering was conducted, the sample was nested within site visits.

The PY4 survey plans and survey instruments will be uploaded to the SWE SharePoint site. The PY4 evaluation and phone survey activities are summarized in Appendix A: PY4 Sample Plan.

1.3.3 Program-Specific Evaluation Activities

This section summarizes evaluation activities occurring within each program during PY4 Q3:

⁹ The Efficient Equipment Incentive Program's C&I lighting measures prove to be the exception. As C&I lighting contributes the majority of the program and portfolio's energy savings, these measures are sampled at the 90/10 C/P level.

- **ARP:** The EM&V CSP will verify the number of records in the Energy Efficiency Management Information System (EEMIS) for PY4 Q3 by reconciling EEMIS data with the Q3 program database from JACO (the program CSP).
- **Residential Lighting Program:** During PY4 Q3, the EM&V CSP reviewed a census of records exported from EEMIS to ensure that the recorded measure-level savings were consistent with savings equations specified in the TRM, as well as fielded the annual telephone survey. Survey results will be analyzed and reported in PY4 Q4.
- **Custom Incentive Program:** Ongoing evaluation of large custom projects continued in PY4 Q3.
- **Direct Load Control Program:** Events called during PY4 Q1 were analyzed in Q2 and Q3, and verified savings are reported in this report.
- **Energy Efficiency Behavior & Education Program:** In PY4 Q3 the EM&V QSP began a demand reduction analysis.
- **Efficient Equipment Incentive Program (non-lighting measures):** Cadmus conducted a records review and site visits for projects rebated in PY4 Q1 and Q2.
- **Efficient Equipment Incentive Program (C&I lighting):** During PY4 Q3, the EM&V CSP conducted site visits for the PY4 Q2 sample. Results from the Q2 analysis were completed during Q3. The Q3 analysis and final determination of realization rates, currently underway, will be available in PY4 Q4.
- **E-Power Wise Program:** Cadmus conducted a review of EEMIS records from PY4 Q1 and Q2.
- **Load Curtailment Program:** Events called during PY4 Q1 were analyzed in Q2 and Q3, and verified savings are reported in this report.
- **WRAP:** During PY4 Q3, the EM&V CSP reviewed PY4 Q3 records.
- **Renewable Energy Program:** This program closed in PY3. A records review was conducted for GSHP projects committed in PY2 and PY3 that received their rebates in PY4 Q3.
- **HVAC Tune-Up Program:** No EM&V activities occurred in Q3.
- **Residential Energy Assessment & Weatherization Program:** The EM&V CSP reviewed a sample of PY4 Q3 records.

2 Summary of Energy Impacts by Program

Figure 2-1 and Figure 2-2 summarize reported energy savings by program. Verified savings (*ex post* savings) will be included in the PY4 Final Annual Report (to be filed on November 15, 2013).

Figure 2-1: CPITD Reported Gross Energy Savings by Program

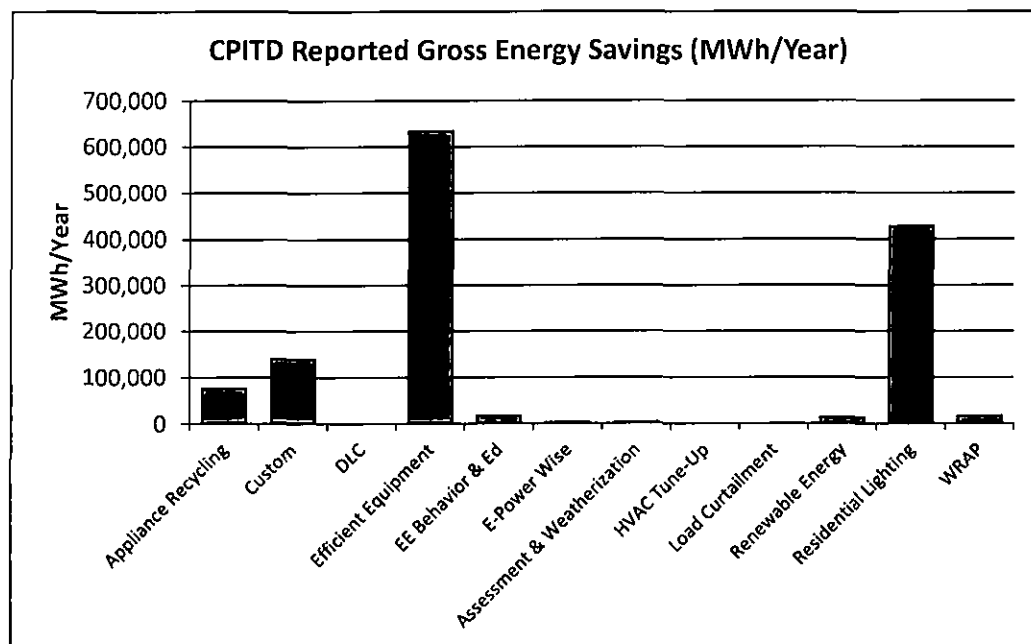


Figure 2-2: CPITD-Q Reported Gross Energy Savings by Program

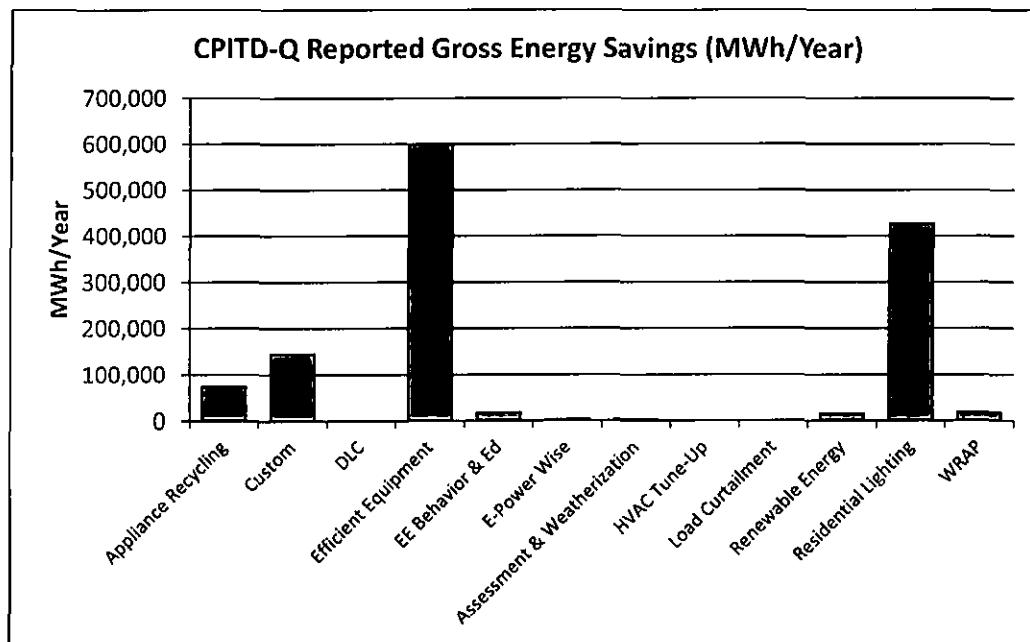


Table 2-1 summarizes energy impacts by program, through the PY4 Q3.

Table 2-1: EDC Reported Participation and Gross Energy Savings by Program

| Program | Participants | | | Reported Gross (Unverified) Impact (MWh/Year) | | | | Preliminary Realization Rate (PY3) ⁽¹⁾ |
|--|--------------|---------|---------|---|---------|---------|---------|---|
| | IQ | PYTD | CPITD | IQ | PYTD | CPITD | CPITD-Q | |
| Appliance Recycling | 5,101 | 13,450 | 44,221 | 8,427 | 22,529 | 78,794 | 75,593 | 84.4% |
| Custom Incentive ⁽²⁾ | 14 | 53 | 411 | 5,813 | 30,996 | 143,465 | 147,355 | 103.5% |
| Direct Load Control ⁽³⁾ | 0 | 9,431 | 44,391 | 0 | 0 | 0 | 0 | N/A |
| Efficient Equipment Incentive (lighting and non-lighting measures) | 4,266 | 17,404 | 201,390 | 47,205 | 168,941 | 636,911 | 598,786 | 95.3% |
| Energy Efficiency Behavior & Education ⁽⁴⁾ | 0 | 101,468 | 252,936 | 5,233 | 19,544 | 28,229 | 28,281 | 100.6% |
| E-Power Wise | 715 | 2,177 | 8,920 | 426 | 1,297 | 3,653 | 3,918 | 93.7% |

| | | | | | | | | |
|---|----------------|----------------|------------------|----------------|----------------|------------------|------------------|--------------|
| Home Energy Assessment & Weatherization | 91 | 1,243 | 4,306 | 54 | 2,117 | 5,092 | 4,954 | 100.0% |
| HVAC Tune-Up | 19 | 274 | 1,707 | 44 | 364 | 1,649 | 1,649 | 100.0% |
| Load Curtailment ⁽³⁾ | 0 | 201 | 201 | 0 | 0 | 0 | 0 | N/A |
| Renewable Energy | 69 | 116 | 1,946 | 424 | 860 | 14,705 | 17,818 | 80.9% |
| Residential Lighting ⁽⁵⁾ | 139,913 | 351,038 | 1,440,342 | 37,054 | 93,633 | 429,191 | 429,273 | 100.1% |
| WRAP | 836 | 3,018 | 12,667 | 1,566 | 5,709 | 18,894 | 19,444 | 97.9% |
| TOTAL PORTFOLIO | 151,024 | 499,873 | 2,013,438 | 106,245 | 345,991 | 1,360,583 | 1,327,071 | 97.8% |

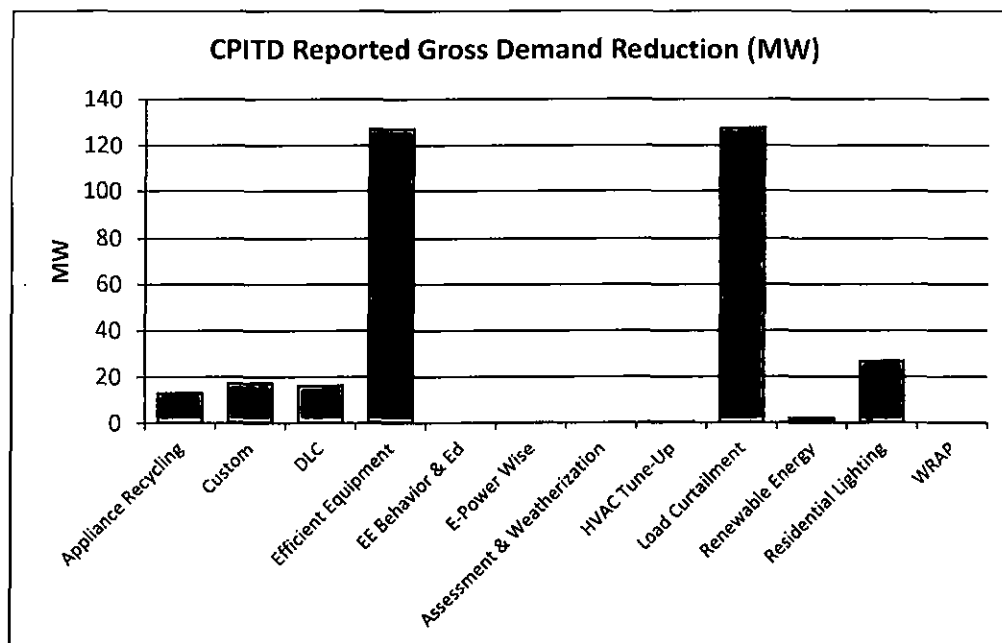
NOTES:

1. Preliminary Realization Rates have been carried over from the PY3 analysis. This value will be used as a placeholder until PY4 evaluation activities have been completed. Final PY4 Realization Rates will be included in the PY4 Final Annual Report, to be filed on November 15, 2013.
2. The cumulative number of Custom Incentive Program participants includes: those still in the technical study phase; those in progress; and those cancelled. Participants in these three categories do not contribute to achieved savings. The total number of projects that contribute to cumulative savings; as of PY4 Q3 is 218.
3. The demand reduction programs do not have any associated energy savings. However, the participants for these programs are reported here. The participation numbers shown are based on the date each unique account number is uploaded into EEMIS. Each unique account number is counted in the period it first appears in the EEMIS extract. Therefore, the counts do not reflect customers who opted out after enrollment. For the Direct Load Control program, since counts reflect unique account numbers, participants with two metered air conditioning units are only counted once. The final reports will provide additional detail about the number of participating metered accounts, air conditioning units, and the number of opt-outs (partial participants).
4. Participation for the Energy Efficiency Behavior & Education program is considered to be cumulative across program years. However, since the savings associated with this program have a one year measure life, the energy savings are not cumulative; and therefore PYTD energy savings are equal to CPITD energy savings. Annual participation is assumed for Q3 to be approximately equal to the number of participants in PY3, as the majority of these participants continue in the program. An actual participant count (after accounting for drop-outs) will be confirmed in the annual report.
5. As an upstream program, exact participation in the Residential Lighting Program is not known. The EM&V CSP estimated the number of program participants by dividing the total number of bulbs discounted by a CFL-per-participant value derived from the customer telephone survey data (7.0 bulbs in PY1, 6.7 bulbs in PY2, and 6.04 in PY3). The CFL count reflects the total number of program bulbs, including discounted bulbs sold at retail stores and bulbs distributed at give-away events. PY3 survey results showing 6.04 bulbs per participant will be used until the PY4 survey data is analyzed (scheduled for Q4).

3 Summary of Demand Impacts by Program

Figure 3-1 and Figure 3-2 summarize reported demand reductions¹⁰ by program.

Figure 3-1: CPITD Reported Demand Reduction by Program



¹⁰ The CPITD MW values shown here include the gross-up to reflect T&D losses for PY1 and PY2 only. Starting in PY3, the EM&V CSP changed the methodology and began applying the gross-up as an ex ante adjustment. The change was made to match data reported in PPL Electric's EEMIS tracking database.

Figure 3-2: CPITD-Q Reported Demand Reduction by Program

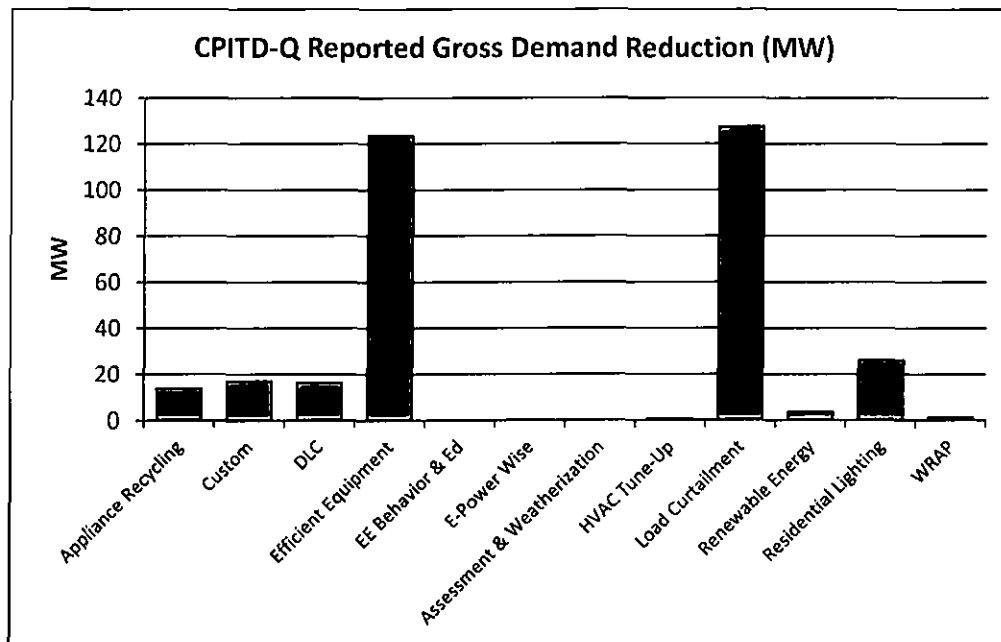


Table 3-1 summarizes demand reduction impacts by program, through the PY4 Q3.

Table 3-1: Participation and Reported Gross Demand Reduction by Program

| Program | Participants | | | Reported Gross (Unadjusted) Demand Reduction (MW) ¹ | | | | Preliminary Realization Rate (PY3) ⁽²⁾ |
|--|--------------|---------|-----------|--|--------|--------------------|----------------------|---|
| | IQ | PYTD | CPITD | IQ | PYTD | CPITD ³ | CPITD-Q ⁴ | |
| Appliance Recycling | 5,101 | 13,450 | 44,221 | 1.42 | 3.69 | 13.58 | 14.25 | 84.4% |
| Custom Incentive ⁽⁵⁾ | 14 | 53 | 411 | 0.69 | 3.38 | 17.92 | 17.55 | 98.8% |
| Direct Load Control | 0 | 9,431 | 9,431 | 16.83 | 16.83 | 16.83 | 16.83 | |
| Efficient Equipment Incentive (lighting and non-lighting measures) | 4,266 | 17,404 | 201,390 | 8.28 | 31.37 | 127.84 | 124.26 | 92.0% |
| Energy Efficiency Behavior & Education ⁽⁶⁾ | 0 | 0 | 151,468 | 0 | 0 | 0 | 0 | |
| E-Power Wise | 715 | 2,177 | 8,920 | 0.03 | 0.10 | 0.61 | 0.58 | 93.7% |
| Home Energy Assessment & Weatherization | 91 | 1,243 | 4,306 | 0 | 0.15 | 0.38 | 0.42 | 100.2% |
| HVAC Tune-Up | 19 | 274 | 1,707 | 0 | 0.07 | 1.15 | 1.20 | 100.0% |
| Load Curtailment | 0 | 201 | 201 | 0 ⁽⁷⁾ | 128.12 | 128.12 | 128.12 | |
| Renewable Energy | 69 | 116 | 1,946 | 0.05 | 0.26 | 2.56 | 3.87 | 98.0% |
| Residential Lighting ⁽⁸⁾ | 139,913 | 351,038 | 1,440,342 | 1.69 | 8.02 | 27.20 | 26.83 | 87.2% |

| | | | | | | | | |
|---|---------|---------|-----------|-------|--------|--------------------|----------------------|--------|
| WRAP | 836 | 3,018 | 12,667 | 0 | 0.01 | 0.78 | 1.70 | 108.0% |
| TOTAL PORTFOLIO ⁽⁹⁾ | 151,024 | 398,405 | 1,877,010 | 29.00 | 192.00 | 336.98 | 335.61 | 92.5% |
| | IQ | PYTD | CPITD | IQ | PYTD | CPITD ³ | CPITD-Q ⁴ | |
| <p>NOTES:</p> <p>1. Reported gross demand reductions here do not include the gross-up to reflect T&D losses which are included in Figure 1-2 of this Quarterly Report. The gross-up will be included as an <i>ex ante</i> adjustment in the Final Annual Report, to be filed November 15, 2013.</p> <p>2. Preliminary Realization Rates have been carried over from the PY3 analysis. This value will be used as a placeholder until PY4 evaluation activities have been completed. Final PY4 Realization Rates will be included in the PY4 Final Annual Report, to be filed on November 15, 2013.</p> <p>3. The CPITD MW values include the gross-up to reflect T&D losses for PY1 and PY2 only. Starting in PY3, the EM&V CSP changed the methodology and began applying the gross-up as an <i>ex ante</i> adjustment. The change was made to match data reported in PPL Electric's EEMIS tracking database.</p> <p>4. The CPITD-Q MW values consist of <i>ex post</i> verified savings for PY1 – PY3, and do include the gross-up for T&D losses. The PY4 reported gross demand reduction values included in the CPITD-Q value do not include the gross-up.</p> <p>5. The cumulative number of Custom Incentive Program participants includes: those still in the technical study phase; those in progress; and those cancelled. The total number of projects that contribute to cumulative savings, as of PY4 Q3 is 218.</p> <p>6. The Energy Efficiency Behavior & Education program does not have any associated demand reductions. However, the participants for this program are reported here. Participation for the Energy Efficiency Behavior & Education program is considered to be cumulative across program years.</p> <p>7. Demand reductions for the Load Curtailment program were reported in PY4 Q2.</p> <p>8. As an upstream program, exact participation in the Residential Lighting Program is not known. The EM&V CSP estimated the number of program participants by dividing the total number of bulbs discounted by a CFL-per-participant value derived from the customer telephone survey data (7.0 bulbs in PY1, 6.7 bulbs in PY2, and 6.04 in PY3). The CFL count reflects the total number of program bulbs, including discounted bulbs sold at retail stores and bulbs distributed at give-away events. PY3 survey results showing 6.04 bulbs per participant will be used until the PY4 survey data is collected (scheduled for Q3).</p> <p>9. The totals may not sum to the exact amount shown due to rounding.</p> | | | | | | | | |

Load Curtailment and Direct Load Control Program Verified Demand Reduction

During the summer of 2012 (PY4Q1) PPL Electric Utilities implemented two demand response programs designed specifically to reduce system demand during the top 100 hours of system demand. The evaluation of these programs is complete and the gross verified demand savings for each program is shown in Table 3-2. These values have been adjusted to account for transmission and distribution losses. After adjusting for line losses, large C&I customers account for 94% of Load Curtailment demand reduction and small C&I customers account for 6% of Load Curtailment demand reduction. (Large C&I customers comprised 52% of the Load Curtailment program participants, and small C&I customers comprised 48% of participants.)

The total verified demand reduction achieved through DR programs in 2012 was 152.0 MW.

Table 3-2. Gross Verified Peak Demand Reductions from PY4 DR Programs

| Demand-Response Programs | Line Loss Adjustment Factor¹ | Gross Verified Demand Reduction (MW) |
|---------------------------------|--|---|
| Direct Load Control | 1.0833 | 18.2 |
| Load Curtailment – Large C&I | 1.0412 | 125.4 |
| Load Curtailment – Small C&I | 1.0833 | 8.3 |
| Demand Reduction Total | -- | 152.0 (rounded) |

¹ PPL uses its average line loss factors as filed in its approved EE&C Plan. Loss factors would be higher at the peak loads experienced during the top 100 hours.

4 Summary of Finances

4.1 Portfolio Level Expenditures

Table 4-1 summarizes portfolio finances.

Table 4-1: Summary of Portfolio Finances

| | Quarter 3 (\$000) | PYTD (\$000) | CPITD (\$000) |
|---|----------------------|-----------------|------------------|
| EDC Incentives to Participants | \$8,443 | \$25,449 | \$119,473 |
| EDC Incentives to Trade Allies | \$0 | \$0 | \$0 |
| Subtotal EDC Incentive Costs | \$8,443 | \$25,449 | \$119,539 |
| Design & Development ¹ | -\$8 | -\$9 | \$3,206 |
| Administration ² | \$403 | \$1,199 | \$8,813 |
| Management ³ | \$10,683 | \$24,190 | \$64,214 |
| Marketing ⁴ | \$631 | \$1,584 | \$11,737 |
| Technical Assistance | \$0 | \$0 | \$0 |
| Subtotal EDC Implementation Costs | \$11,709 | \$26,964 | \$87,905 |
| EDC Evaluation Costs | \$834 | \$2,370 | \$10,061 |
| SWE Audit Costs | \$1 | \$311 | \$1,954 |
| Total EDC Costs⁵ | \$20,987 | \$55,093 | \$219,459 |
| Participant Costs⁶ | N/A | N/A | N/A |
| Total TRC Costs⁷ | N/A | N/A | N/A |
| NOTES <i>Per PUC direction, TRC inputs and calculations are required only in the Annual Report, and should comply with the 2011 Total Resource Cost Test Order, approved July 28, 2011.</i> <ol style="list-style-type: none"> 1. PPL Electric reallocated costs in this category in PY4 to direct program costs for which they were applicable. Additionally, some costs were incorrectly charged to Act 129 and were removed completely. 2. Includes: administrative CSP (rebate processing); EEMIS (tracking system); and PPL Electric's general administration and clerical costs. 3. Includes: EDC program management; CSP program management; general management oversight; and major accounts. 4. Includes: the marketing CSP; and marketing costs by program CSPs. 5. Per the 2011 Total Resource Cost (TRC) Test Order, Total EDC Costs only refer to EDC-incurred expenses. 6. Per the 2011 Total Resource Cost Test Order, net Participant Costs are costs for the end-use customer. These will be calculated for the PY4 Final Annual Report. 7. TRC Costs will be calculated for the PY4 Final Annual Report. | | | |

4.2 Program Level Expenditures

The following tables present program-specific finances.

Table 4-2: Summary of Program Finances—Appliance Recycling Program

| | Quarter 3 (\$000) | PYTD (\$000) | CPITD (\$000) |
|--|----------------------|-----------------|------------------|
| EDC Incentives to Participants | \$292 | \$603 | \$1,882 |
| EDC Incentives to Trade Allies | \$0 | \$0 | \$0 |
| Subtotal EDC Incentive Costs | \$292 | \$603 | \$1,882 |
| Design & Development | \$0 | \$0 | \$0 |
| Administration ¹ | \$0 | \$0 | \$0 |
| Management ² | \$566 | \$1,323 | \$4,355 |
| Marketing ³ | \$116 | \$325 | \$1,186 |
| Technical Assistance | \$0 | \$0 | \$0 |
| Subtotal EDC Implementation Costs | \$682 | \$1,648 | \$5,540 |
| EDC Evaluation Costs | \$0 | \$0 | \$0 |
| SWE Audit Costs | \$0 | \$0 | \$0 |
| Total EDC Costs⁴ | \$974 | \$2,251 | \$7,422 |
| Participant Costs⁵ | N/A | N/A | N/A |
| Total TRC Costs⁶ | N/A | N/A | N/A |
| NOTES <i>Per PUC direction, TRC inputs and calculations are required only in the Annual Report, and should comply with the 2011 Total Resource Cost Test Order, approved July 28, 2011.</i> <ol style="list-style-type: none"> Includes: administrative CSP (rebate processing); EEMIS (tracking system); and PPL Electric's general administration and clerical costs. Includes: EDC program management; CSP program management; general management oversight; and major accounts. Includes: the marketing CSP; and marketing costs by program CSPs. Per the 2011 Total Resource Cost Test Order, Total EDC Costs only refer to EDC incurred expenses. Per the 2011 Total Resource Cost Test Order, net Participant Costs are costs for the end-use customer. These will be calculated for the PY4 Final Annual Report. TRC Costs will be calculated for the PY4 Final Annual Report. | | | |

Table 4-3: Summary of Program Finances—Residential Lighting Program

| | Quarter 3 (\$000) | PYTD (\$000) | CPITD (\$000) |
|--|----------------------|-----------------|------------------|
| EDC Incentives to Participants | \$1,035 | \$2,575 | \$10,036 |
| EDC Incentives to Trade Allies | \$0 | \$0 | \$0 |
| Subtotal EDC Incentive Costs | \$1,035 | \$2,575 | \$10,036 |
| | | | |
| Design & Development | \$0 | \$0 | \$0 |
| Administration ¹ | \$0 | \$0 | \$0 |
| Management ² | \$835 | \$1,868 | \$5,885 |
| Marketing ³ | \$27 | \$36 | \$204 |
| Technical Assistance | \$0 | \$0 | \$0 |
| Subtotal EDC Implementation Costs | \$862 | \$1,904 | \$6,088 |
| | | | |
| EDC Evaluation Costs | \$0 | \$0 | \$0 |
| SWE Audit Costs | \$0 | \$0 | \$0 |
| Total EDC Costs⁴ | \$1,897 | \$4,479 | \$16,124 |
| Participant Costs⁵ | N/A | N/A | N/A |
| Total TRC Costs⁶ | N/A | N/A | N/A |
| NOTES <i>Per PUC direction, TRC inputs and calculations are required only in the Annual Report, and should comply with the 2011 Total Resource Cost Test Order, approved July 28, 2011.</i> <ol style="list-style-type: none"> 1. Includes: administrative CSP (rebate processing); EEMIS (tracking system); and PPL Electric's general administration and clerical costs. 2. Includes: EDC program management; CSP program management; general management oversight; and major accounts. 3. Includes: the marketing CSP; and marketing costs by program CSPs. 4. Per the 2011 Total Resource Cost Test Order, Total EDC Costs only refer to EDC-incurred expenses. 5. Per the 2011 Total Resource Cost Test Order, net Participant Costs are costs for the end-use customer. These will be calculated for the PY4 Final Annual Report. 6. TRC Costs will be calculated for the PY4 Final Annual Report. | | | |

Table 4-4: Summary of Program Finances—Custom Incentive Program

| | Quarter 3 (\$000) | PYTD (\$000) | CRITD (\$000) |
|--|----------------------|-----------------|------------------|
| EDC Incentives to Participants | \$457 | \$2,551 | \$9,646 |
| EDC Incentives to Trade Allies | \$0 | \$0 | \$0 |
| Subtotal EDC Incentive Costs | \$457 | \$2,551 | \$9,646 |
| Design & Development | \$0 | \$0 | \$0 |
| Administration ¹ | \$0 | \$0 | \$0 |
| Management ² | \$197 | \$530 | \$3,461 |
| Marketing ³ | \$0 | \$0 | \$8 |
| Technical Assistance | \$0 | \$0 | \$0 |
| Subtotal EDC Implementation Costs | \$197 | \$530 | \$3,468 |
| EDC Evaluation Costs | \$0 | \$0 | \$0 |
| SWE Audit Costs | \$0 | \$0 | \$0 |
| Total EDC Costs⁴ | \$654 | \$3,081 | \$13,114 |
| Participant Costs⁵ | N/A | N/A | N/A |
| Total TRC Costs⁶ | N/A | N/A | N/A |
| NOTES <i>Per PUC direction, TRC inputs and calculations are required only in the Annual Report, and should comply with the 2011 Total Resource Cost Test Order, approved July 28, 2011.</i> <ol style="list-style-type: none"> Includes: administrative CSP (rebate processing); EEMIS (tracking system); and PPL Electric's general administration and clerical costs. Includes: EDC program management; CSP program management; general management oversight; and major accounts. Includes: the marketing CSP; and marketing costs by program CSPs. Per the 2011 Total Resource Cost Test Order, Total EDC Costs only refer to EDC-incurred expenses. Per the 2011 Total Resource Cost Test Order, net Participant Costs are costs for the end-use customer. These will be calculated for the PY4 Final Annual Report. TRC Costs will be calculated for the PY4 Final Annual Report. | | | |

Table 4-5: Summary of Program Finances—Direct Load Control Program

| | Quarter 3 (\$000) | PYTD (\$000) | CPITD (\$000) |
|--|----------------------|-----------------|------------------|
| EDC Incentives to Participants | \$0 | \$0 | \$0 |
| EDC Incentives to Trade Allies | \$0 | \$0 | \$0 |
| Subtotal EDC Incentive Costs | \$0 | \$0 | \$0 |
| | | | |
| Design & Development | \$0 | \$0 | \$0 |
| Administration ¹ | \$0 | \$0 | \$0 |
| Management ² | \$1,010 | \$1,666 | \$8,806 |
| Marketing ³ | \$0 | \$0 | \$0 |
| Technical Assistance | \$0 | \$0 | \$0 |
| Subtotal EDC Implementation Costs | \$1,010 | \$1,666 | \$8,806 |
| | | | |
| EDC Evaluation Costs | \$0 | \$0 | \$0 |
| SWE Audit Costs | \$0 | \$0 | \$0 |
| Total EDC Costs⁴ | \$1,010 | \$1,666 | \$8,806 |
| Participant Costs ⁵ | N/A | N/A | N/A |
| Total TRC Costs⁶ | N/A | N/A | N/A |
| NOTES <i>Per PUC direction, TRC inputs and calculations are required only in the Annual Report, and should comply with the 2011 Total Resource Cost Test Order, approved July 28, 2011.</i> <ol style="list-style-type: none"> 1. Includes: administrative CSP (rebate processing); EEMIS (tracking system); and PPL Electric's general administration and clerical costs. 2. Includes: EDC program management; CSP program management; general management oversight; and major accounts. 3. Includes: the marketing CSP; and marketing costs by program CSPs. 4. Per the 2011 Total Resource Cost Test Order, Total EDC Costs only refer to EDC-incurred expenses. 5. Per the 2011 Total Resource Cost Test Order, net Participant Costs are costs for the end-use customer. These will be calculated for the PY4 Final Annual Report. 6. TRC Costs will be calculated for the PY4 Final Annual Report. | | | |

Table 4-6: Summary of Program Finances—Energy Efficiency Behavior & Education Program

| | Quarter 3 (\$000) | PYTD (\$000) | CPITD (\$000) |
|--|----------------------|-----------------|------------------|
| EDC Incentives to Participants | \$0 | \$0 | \$0 |
| EDC Incentives to Trade Allies | \$0 | \$0 | \$0 |
| Subtotal EDC Incentive Costs | \$0 | \$0 | \$0 |
| Design & Development | \$0 | \$0 | \$0 |
| Administration ¹ | \$0 | \$0 | \$0 |
| Management ² | \$88 | \$339 | \$2,434 |
| Marketing ³ | \$0 | \$0 | \$0 |
| Technical Assistance | \$0 | \$0 | \$0 |
| Subtotal EDC Implementation Costs | \$88 | \$339 | \$2,434 |
| EDC Evaluation Costs | \$0 | \$0 | \$0 |
| SWE Audit Costs | \$0 | \$0 | \$0 |
| Total EDC Costs⁴ | \$88 | \$339 | \$2,434 |
| Participant Costs⁵ | N/A | N/A | N/A |
| Total TRC Costs⁶ | N/A | N/A | N/A |
| NOTES <i>Per PUC direction, TRC inputs and calculations are required only in the Annual Report, and should comply with the 2011 Total Resource Cost Test Order, approved July 28, 2011.</i> <ol style="list-style-type: none"> 1. Includes: administrative CSP (rebate processing); EEMIS (tracking system); and PPL Electric's general administration and clerical costs. 2. Includes: EDC program management; CSP program management; general management oversight; and major accounts. 3. Includes: the marketing CSP; and marketing costs by program CSPs. 4. Per the 2011 Total Resource Cost Test Order, Total EDC Costs only refer to EDC-incurred expenses. 5. Per the 2011 Total Resource Cost Test Order, net Participant Costs are costs for the end-use customer. These will be calculated for the PY4 Final Annual Report. 6. TRC Costs will be calculated for the PY4 Final Annual Report. | | | |

Table 4-7: Summary of Program Finances—Efficient Equipment Incentive Program (Lighting and Non-Lighting Measures)

| | Quarter 3 (\$000) | PYTD (\$000) | CPITD (\$000) |
|---|----------------------|-----------------|------------------|
| EDC Incentives to Participants | \$6,416 | \$19,228 | \$73,521 |
| EDC Incentives to Trade Allies | \$0 | \$0 | \$0 |
| Subtotal EDC Incentive Costs | \$6,416 | \$19,228 | \$73,521 |
| | | | |
| Design & Development | \$0 | \$0 | \$0 |
| Administration ¹ | \$0 | \$0 | \$0 |
| Management ² | \$1,276 | \$3,891 | \$10,936 |
| Marketing ³ | \$0 | \$22 | \$53 |
| Technical Assistance | \$0 | \$0 | \$0 |
| Subtotal EDC Implementation Costs | \$1,276 | \$3,913 | \$10,989 |
| | | | |
| EDC Evaluation Costs | \$0 | \$0 | \$0 |
| SWE Audit Costs | \$0 | \$0 | \$0 |
| Total EDC Costs⁴ | \$7,692 | \$23,141 | \$84,509 |
| Participant Costs⁵ | N/A | N/A | N/A |
| Total TRC Costs⁶ | N/A | N/A | N/A |
| NOTES | | | |
| <i>Per PUC direction, TRC inputs and calculations are required only in the Annual Report, and should comply with the 2011 Total Resource Cost Test Order, approved July 28, 2011.</i> | | | |
| 1. Includes: administrative CSP (rebate processing); EEMIS (tracking system); and PPL Electric's general administration and clerical costs. | | | |
| 2. Includes: EDC program management; CSP program management; general management oversight; and major accounts. | | | |
| 3. Includes: the marketing CSP; and marketing costs by program CSPs. | | | |
| 4. Per the 2011 Total Resource Cost Test Order, Total EDC Costs only refer to EDC-incurred expenses. | | | |
| 5. Per the 2011 Total Resource Cost Test Order, net Participant Costs are costs for the end-use customer. These will be calculated for the PY4 Final Annual Report. | | | |
| 6. TRC Costs will be calculated for the PY4 Final Annual Report. | | | |

Table 4-8: Summary of Program Finances—E-Power Wise Program

| | Quarter 3 (\$000) | PYTD (\$000) | CPITD (\$000) |
|---|----------------------|-----------------|------------------|
| EDC Incentives to Participants ¹ | \$0 | \$0 | \$429 |
| EDC Incentives to Trade Allies | \$0 | \$0 | \$0 |
| Subtotal EDC Incentive Costs | \$0 | \$0 | \$429 |
| | | | |
| Design & Development | \$0 | \$0 | \$0 |
| Administration ² | \$0 | \$0 | \$0 |
| Management ³ | \$25 | \$106 | \$310 |
| Marketing ⁴ | \$0 | \$0 | \$0 |
| Technical Assistance | \$0 | \$0 | \$0 |
| Subtotal EDC Implementation Costs | \$25 | \$106 | \$310 |
| | | | |
| EDC Evaluation Costs | \$0 | \$0 | \$0 |
| SWE Audit Costs | \$0 | \$0 | \$0 |
| Total EDC Costs⁵ | \$25 | \$106 | \$739 |
| Participant Costs⁶ | N/A | N/A | N/A |
| Total TRC Costs⁷ | N/A | N/A | N/A |
| NOTES <i>Per PUC direction, TRC inputs and calculations are required only in the Annual Report, and should comply with the 2011 Total Resource Cost Test Order, approved July 28, 2011.</i> | | | |
| <ol style="list-style-type: none"> 1. Reclassified from "incentives" to "management" starting in PY3 Q3. Historical values were not changed. 2. Includes: administrative CSP (rebate processing); EEMIS (tracking system); and PPL Electric's general administration and clerical costs. 3. Includes: EDC program management; CSP program management; general management oversight; and major accounts. 4. Includes: the marketing CSP; and marketing costs by program.CSPs. 5. Per the 2011 Total Resource Cost Test Order, the Total EDC Costs only refer to EDC-incurred expenses. 6. Per the 2011 Total Resource Cost Test Order, net Participant Costs are costs for the end-use customer. These will be calculated for the PY4 Final Annual Report. 7. TRC Costs will be calculated for the PY4 Final Annual Report. | | | |

Table 4-9: Summary of Program Finances—Load Curtailment Program

| | Quarter 3 (\$000) | PYTD (\$000) | CPITD (\$000) |
|---|------------------------------|-------------------------|--------------------------|
| EDC Incentives to Participants | \$0 | \$0 | \$0 |
| EDC Incentives to Trade Allies | \$0 | \$0 | \$0 |
| Subtotal EDC Incentive Costs | \$0 | \$0 | \$0 |
| Design & Development | \$0 | \$0 | \$0 |
| Administration ¹ | \$0 | \$0 | \$0 |
| Management ² | \$4,526 | \$5,980 | \$10,075 |
| Marketing ³ | \$0 | \$0 | \$0 |
| Technical Assistance | \$0 | \$0 | \$0 |
| Subtotal EDC Implementation Costs | \$4,526 | \$5,980 | \$10,075 |
| EDC Evaluation Costs | \$0 | \$0 | \$0 |
| SWE Audit Costs | \$0 | \$0 | \$0 |
| Total EDC Costs⁴ | \$4,526 | \$5,980 | \$10,075 |
| Participant Costs⁵ | N/A | N/A | N/A |
| Total TRC Costs⁶ | N/A | N/A | N/A |
| NOTES: <i>Per PUC direction, TRC inputs and calculations are required only in the Annual Report, and should comply with the 2011 Total Resource Cost Test Order, approved July 28, 2011.</i> <ol style="list-style-type: none"> Includes: administrative CSP (rebate processing); EEMIS (tracking system); and PPL Electric's general administration and clerical costs. Includes: EDC program management; CSP program management; general management oversight; and major accounts. Includes: the marketing CSP; and marketing costs by program CSPs. Per the 2011 Total Resource Cost Test Order, the Total EDC Costs only refer to EDC-incurred expenses. Per the 2011 Total Resource Cost Test Order, net Participant Costs are costs for the end-use customer. These will be calculated for the PY4 Final Annual Report. TRC Costs will be calculated for the PY4 Final Annual Report. | | | |

Table 4-10: Summary of Program Finances—WRAP

| | Quarter 3 (\$000) | PYTD (\$000) | CPITD (\$000) |
|---|----------------------|-----------------|------------------|
| EDC Incentives to Participants ¹ | \$0 | \$0 | \$18,182 |
| EDC Incentives to Trade Allies | \$0 | \$0 | \$0 |
| Subtotal EDC Incentive Costs | \$0 | \$0 | \$18,182 |
| | | | |
| Design & Development | \$0 | \$0 | \$0 |
| Administration ² | \$0 | \$0 | \$0 |
| Management ³ | \$1,850 | \$6,868 | \$10,899 |
| Marketing ⁴ | \$0 | \$0 | \$1 |
| Technical Assistance | \$0 | \$0 | \$0 |
| Subtotal EDC Implementation Costs | \$1,850 | \$6,868 | \$10,900 |
| | | | |
| EDC Evaluation Costs | \$0 | \$0 | \$0 |
| SWE Audit Costs | \$0 | \$0 | \$0 |
| Total EDC Costs⁵ | \$1,850 | \$6,868 | \$29,082 |
| Participant Costs⁶ | N/A | N/A | N/A |
| Total TRC Costs⁷ | N/A | N/A | N/A |
| NOTES <i>Per PUC direction, TRC inputs and calculations are required only in the Annual Report, and should comply with the 2011 Total Resource Cost Test Order, approved July 28, 2011.</i> <ol style="list-style-type: none"> 1. Reclassified from “incentives” to “management” starting in PY3 Q4. Historical values were not changed. 2. Includes: administrative CSP (rebate processing); EEMIS (tracking system); and PPL Electric’s general administration and clerical costs. 3. Includes: EDC program management; CSP program management; general management oversight; and major accounts. 4. Includes: the marketing CSP; and marketing costs by program CSPs. 5. Per the 2011 Total Resource Cost Test Order, Total EDC Costs only refer to EDC-incurred expenses. 6. Per the 2011 Total Resource Cost Test Order, net Participant Costs are costs for the end-use customer. These will be calculated for the PY4 Final Annual Report. 7. TRC Costs will be calculated for the PY4 Final Annual Report. | | | |

Table 4-11: Summary of Program Finances—Renewable Energy Program

| | Quarter 3 (\$000) | PYTD (\$000) | CPITD (\$000) |
|--|----------------------|-----------------|------------------|
| EDC Incentives to Participants | \$231 | \$420 | \$5,427 |
| EDC Incentives to Trade Allies | \$0 | \$0 | \$0 |
| Subtotal EDC Incentive Costs | \$231 | \$420 | \$5,427 |
| | | | |
| Design & Development | \$0 | \$0 | \$0 |
| Administration ¹ | \$0 | \$0 | \$0 |
| Management ² | \$0 | \$0 | \$202 |
| Marketing ³ | \$0 | \$0 | \$0 |
| Technical Assistance | \$0 | \$0 | \$0 |
| Subtotal EDC Implementation Costs | \$0 | \$0 | \$202 |
| | | | |
| EDC Evaluation Costs | \$0 | \$0 | \$0 |
| SWE Audit Costs | \$0 | \$0 | \$0 |
| Total EDC Costs⁴ | \$231 | \$420 | \$5,630 |
| Participant Costs⁵ | N/A | N/A | N/A |
| Total TRC Costs⁶ | N/A | N/A | N/A |
| NOTES <i>Per PUC direction, TRC inputs and calculations are required only in the Annual Report, and should comply with the 2011 Total Resource Cost Test Order, approved July 28, 2011.</i> <ol style="list-style-type: none"> 1. Includes: administrative CSP (rebate processing); EEMIS (tracking system); and PPL Electric's general administration and clerical costs. 2. Includes: EDC program management; CSP program management; general management oversight; and major accounts. 3. Includes: the marketing CSP; and marketing costs by program CSPs. 4. Per the 2011 Total Resource Cost Test Order, the Total EDC Costs only refer to EDC-incurred expenses. 5. Per the 2011 Total Resource Cost Test Order, net Participant Costs are costs for the end-use customer. These will be calculated for the PY4 Final Annual Report. 6. TRC Costs will be calculated for the PY4 Final Annual Report. | | | |

Table 4-12: Summary of Program Finances—HVAC Tune-Up Program

| | Quarter 3 (\$000) | PYTD (\$000) | CPITD (\$000) |
|--|----------------------|-----------------|------------------|
| EDC Incentives to Participants | \$2 | \$21 | \$69 |
| EDC Incentives to Trade Allies | \$0 | \$0 | \$0 |
| Subtotal EDC Incentive Costs | \$2 | \$21 | \$69 |
| | | | |
| Design & Development | \$0 | \$0 | \$0 |
| Administration ¹ | \$0 | \$0 | \$0 |
| Management ² | \$0 | \$4 | \$731 |
| Marketing ³ | \$0 | \$0 | \$18 |
| Technical Assistance | \$0 | \$0 | \$0 |
| Subtotal EDC Implementation Costs | \$0 | \$4 | \$749 |
| | | | |
| EDC Evaluation Costs | \$0 | \$0 | \$0 |
| SWE Audit Costs | \$0 | \$0 | \$0 |
| Total EDC Costs⁴ | \$2 | \$25 | \$818 |
| Participant Costs⁵ | N/A | N/A | N/A |
| Total TRC Costs⁶ | N/A | N/A | N/A |
| NOTES <i>Per PUC direction, TRC inputs and calculations are required only in the Annual Report, and should comply with the 2011 Total Resource Cost Test Order, approved July 28, 2011.</i> <ol style="list-style-type: none"> 1. Includes: administrative CSP (rebate processing); EEMIS (tracking system); and PPL Electric's general administration and clerical costs. 2. Includes: EDC program management; CSP program management; general management oversight; and major accounts. 3. Includes: the marketing CSP; and marketing costs by program CSPs. 4. Per the 2011 Total Resource Cost Test Order, Total EDC Costs only refer to EDC-incurred expenses. 5. Per the 2011 Total Resource Cost Test Order, net Participant Costs are costs for the end-use customer. These will be calculated for the PY4 Final Annual Report. 6. TRC Costs will be calculated for the PY4 Final Annual Report. | | | |

Table 4-13: Summary of Program Finances—Home Energy Assessment & Weatherization Program

| | Quarter 3 (\$000) | PYTD (\$000) | CPITD (\$000) |
|--|----------------------|-----------------|------------------|
| EDC Incentives to Participants | \$10 | \$51 | \$283 |
| EDC Incentives to Trade Allies | \$0 | \$0 | \$0 |
| Subtotal EDC Incentive Costs | \$10 | \$51 | \$283 |
| Design & Development | \$0 | \$0 | \$0 |
| Administration ¹ | \$0 | \$0 | \$0 |
| Management ² | \$85 | \$238 | \$1,327 |
| Marketing ³ | \$0 | \$0 | \$31 |
| Technical Assistance | \$0 | \$0 | \$0 |
| Subtotal EDC Implementation Costs | \$85 | \$238 | \$1,358 |
| EDC Evaluation Costs | \$0 | \$0 | \$0 |
| SWE Audit Costs | \$0 | \$0 | \$0 |
| Total EDC Costs⁴ | \$95 | \$290 | \$1,640 |
| Participant Costs⁵ | N/A | N/A | N/A |
| Total TRC Costs⁶ | N/A | N/A | N/A |
| NOTES <i>Per PUC direction, TRC inputs and calculations are required only in the Annual Report, and should comply with the 2011 Total Resource Cost Test Order, approved July 28, 2011.</i> <ol style="list-style-type: none"> Includes: administrative CSP (rebate processing); EEMIS (tracking system); and PPL Electric's general administration and clerical costs. Includes: EDC program management; CSP program management; general management oversight; and major accounts. Includes: the marketing CSP; and marketing costs by program CSPs. Per the 2011 Total Resource Cost Test Order, Total EDC Costs only refer to EDC-incurred expenses. Per the 2011 Total Resource Cost Test Order, net Participant Costs are costs for the end-use customer. These will be calculated for the PY4 Final Annual Report. TRC Costs will be calculated for the PY4 Final Annual Report. | | | |

Appendix A: PY4 Sample Plan

PY4 Evaluation Activities

Table A-1 shows the evaluation activities planned for each of the programs that will claim savings in PY4. Nonparticipant surveys will be conducted for select programs to collect information for the net savings adjustments.

Table A-1. PY4 Planned Evaluation Activities

| Programs | Sectors | Records Review | Participant Surveys | Nonparticipant Surveys | Site Visits | Metering |
|---|-------------------------|--|---------------------|------------------------|-------------|-----------|
| Appliance Recycling | Residential | Census -- Quarterly | Completed Q3 | NA | NA | NA |
| Residential Lighting (CFL) | Residential | Census -- Quarterly | Completed Q3 | | NA | NA |
| Energy Efficiency Behavior & Education | Residential | Census -- Quarterly | Completed Q4 | Completed Q4 | NA | NA |
| Efficient Equipment Incentive | Residential | Quarterly | Completed Q3 | NA | NA | NA |
| Home Energy Assessment & Weatherization | Residential | Quarterly | Completed Q3 | NA | NA | NA |
| Act 129 WRAP | Residential low income | Census to identify duplicates Quarterly, prorated by job type | NA | NA | NA | NA |
| E-Power Wise | Residential low income | Census database, Quarterly | NA | NA | NA | NA |
| Renewable Energy | Govt/Non-profit | Program closed; few remaining GSHP projects | NA | NA | NA | NA |
| Efficient Equipment (non-lighting) | Non-residential | Batched | Completed Q3 | NA | Batched | NA |
| Efficient Equipment (lighting) | Non-residential | Quarterly | Completed Q3 | NA | Quarterly | As needed |
| Efficient Equipment (Direct Discount) | Small commercial | Batched | Completed Q3 | NA | Quarterly | As needed |
| HVAC Tune-Up | Small commercial | Census at program end | NA | NA | NA | NA |
| Custom Incentive | Commercial & Industrial | Census large projects Sample small projects | Q4 | NA | As needed | As needed |
| Direct Load Control | Residential, Commercial | Census of metered units included in the analysis | Completed Q2 | NA | NA | By CSP |
| Load Curtailment | Commercial & Industrial | Census included in the analysis | Completed Q3 | NA | NA | By CSP |

Phone Survey Activities

Table A-2 summarizes the completed survey efforts that have in occurred in PY4. Table A-3 shows the full PY4 survey schedule.

Table A-2: Summary of PY4 Completed Survey Efforts To-Date

| Survey | Field Start Date | Field End Date | Target Completes | Achieved Completes | Conf./ Precision | Average Call Time (Minutes) |
|---|------------------|----------------|------------------|--------------------|------------------|-----------------------------|
| Direct Load Control (Peak Saver) | 11/13/12 | 12/03/12 | 95 | 95 | 90/10 | 8:03 |
| Load Curtailment (SWE-developed survey, fielded In-House) | 1/22/13 | 1/27/13 | 19 | 17 | 80/10 | 10:00 |
| Commercial Efficient Equipment | 1/28/13 | 2/18/13 | 142 | 138 | 90/10 | 9:35 |
| Commercial Efficient Equipment-Direct Discount | 1/31/13 | 2/10/13 | 70 | 70 | 90/10 | 12:36 |
| Residential Efficient Equipment | 2/4/13 | 2/19/13 | 70 | 76 | 90/10 | 10:16 |
| Residential Lighting Campaign | 2/6/13 | 2/28/13 | 325 | 301 | 90/10 | 9:35 |
| Energy Assessment & Weatherization - Audit | 2/11/13 | 2/22/13 | 50 | 50 | 90/10 | 10:42 |
| Energy Assessment & Weatherization - Weatherization | 2/19/13 | 2/23/13 | 70 | 71 | 90/10 | 9:13 |
| Appliance Recycling | 2/26/13 | 3/4/13 | 141 | 142 | 90/10 | 9:06 |
| Consumer Education - participant | 3/5/13 | 3/26/13 | 190 | 175 | 90/10 | 15:08 |
| Consumer Education - nonparticipant | 3/12/13 | 3/28/13 | 150 | 151 | 90/10 | 8:54 |
| Custom (fielded by the EM&V CSP) | 3/21/13 | - | 52 | In progress | | |