

# **Quarterly Report to the Pennsylvania Public Utility Commission**

**For the Period  
September 2013 through November 2013  
Program Year 5, Quarter 2**

For Pennsylvania Act 129 of 2008  
Energy Efficiency and Conservation Plan

Prepared by The Cadmus Group, Inc.

For

PPL Electric  
January 15, 2014

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## Acronyms

CFL	Compact Fluorescent Lamp
Phase II	Cumulative Program/Portfolio Phase II Inception to Date (Phase II Savings)
Phase II-CO	Cumulative Program/Portfolio Phase II Inception to Date including Carry Over Savings from Phase I
Phase II-Q	Phase II verified gross savings from the beginning of Phase II + PYTD reported gross savings.
Phase II-Q-CO	Phase II verified gross savings from the beginning of Phase II + verified Carry Over Savings from Phase I + PYTD reported gross savings
CSP	Conservation Service Provider or Curtailment Service Provider
EDC	Electric Distribution Company
EE&C	Energy Efficiency and Conservation
EM&V	Evaluation, Measurement, and Verification
GNI	Government, Non-Profit, Institutional
IQ	Incremental Quarter
kWh	Kilowatt-hour
MW	Megawatt
MWh	Megawatt-hour
PA PUC	Pennsylvania Public Utility Commission
PY5	Program Year 2013, from June 1, 2013 to May 31, 2014
PY6	Program Year 2014, from June 1, 2010 to May 31, 2015
PYX QX	Program Year X, Quarter X
PYTD	Program Year to Date
SWE	Statewide Evaluator
TRC	Total Resource Cost

## 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 for Phase I (2008 through 2013). In 2009, each EDC submitted energy efficiency and conservation (EE&C) plans—which were approved by the Pennsylvania Public Utility Commission (PUC)—pursuant to these goals. Each EDC filed new EE&C plans with the PA PUC in early 2013 for Phase II (June 2013 through May 2016) of the Act 129 programs. These plans were subsequently approved by the PUC in 2013.

Implementation of Phase II of the Act 129 programs began on June 1, 2013. This report documents the progress and effectiveness of the Phase II EE&C accomplishments for PPL Electric in the second quarter of Program Year 5 (PY5), defined as September 1, 2013 through November 30, 2013, as well as the cumulative accomplishments of the programs since inception of Phase II. This report additionally documents the energy savings carried over from Phase I. The Phase I carry over savings count towards EDC savings compliance targets for Phase II.

The Cadmus Group, Inc. is evaluating the programs, which includes measurement and verification of the savings. The verified savings for PY5 will be reported in the annual report, to be filed November 15, 2014.

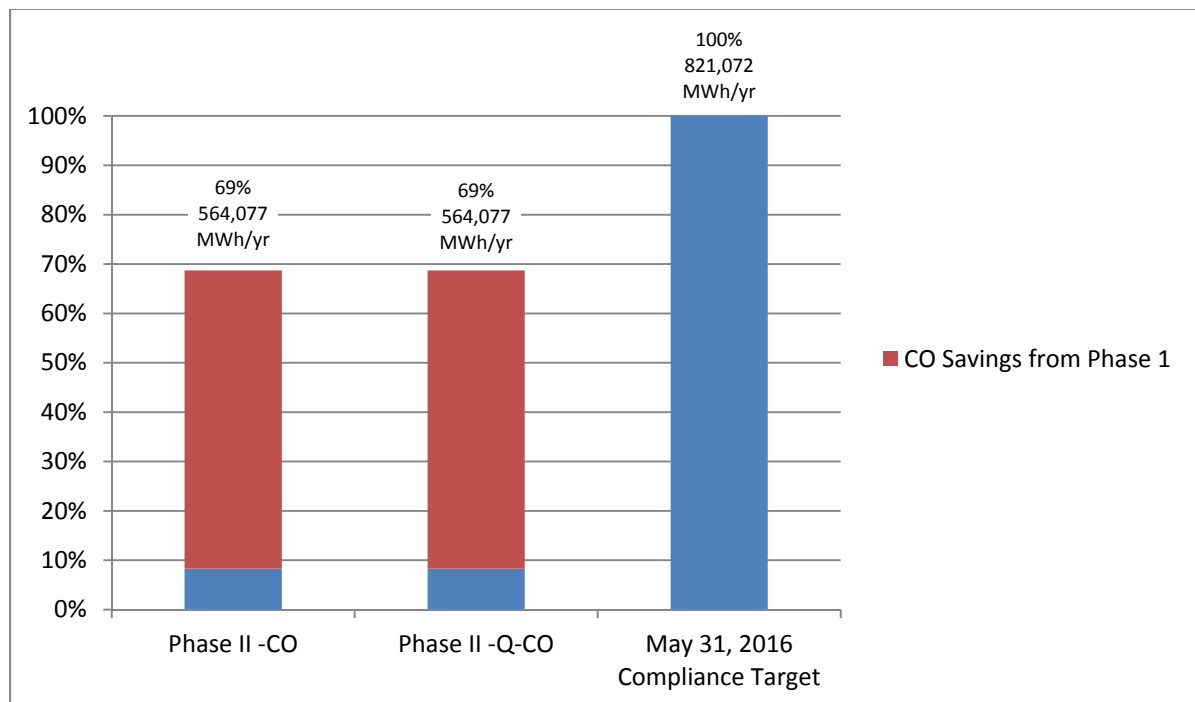
In the second quarter of PY5, PPL Electric’s portfolio operated these programs:

1. The Appliance Recycling Program (ARP) offers customers incentives to have their outdated refrigerators, freezers, and air conditioners recycled.
2. The Custom Incentive Program offers incentives for custom measures to nonresidential customers.
3. The E-Power Wise Program provides low-income customers with information about energy use, along with home energy kits.
4. The Act 129 Winter Relief Assistance Program (WRAP) provides weatherization to low-income customers using Act 129 funding to expand the existing Low-Income Usage Reduction Program.
5. The Prescriptive Equipment Program offers nonresidential customers rebates and incentives from a list of specific energy-efficiency measures and services. The program also offers a Direct Discount component for lighting.
6. The Master Metered Low-Income Multifamily Housing Program targets energy efficiency improvements in master metered multifamily low-income housing buildings.
7. The Residential Home Comfort Program offers energy-saving measures and rebates for new construction and retrofitted existing homes.
8. The Residential Retail Program offers rebates and upstream incentives for energy-efficiency products found in retail stores.
9. The School Benchmarking Program works with school administrators to evaluate total building energy use using the Environmental Protection Agency’s Portfolio Manager tool.
10. The Student and Parent Energy-Efficiency Education Program provides school-based energy-efficiency education through in-classroom workshops for students in various grade levels, training for teachers, and community workshops for parents in low-income neighborhoods.

## 1.1 Summary of Achievements

PPL Electric has achieved 8 percent of the May 31, 2016 energy savings compliance target, based on cumulative program inception to date (Phase II) reported gross energy savings<sup>1</sup>, and 69 percent of the energy savings compliance target, based on Phase II-Q-CO<sup>2</sup> (or Phase II-CO until verified savings are available for PY5) gross energy savings achieved through Quarter 2, as shown in Figure 1-1. (Phase II-Q)<sup>3</sup> is also shown in Figure 1-1.

**Figure 1-1: Cumulative Portfolio Phase 2 Inception to Date (Phase II) Energy Impacts**



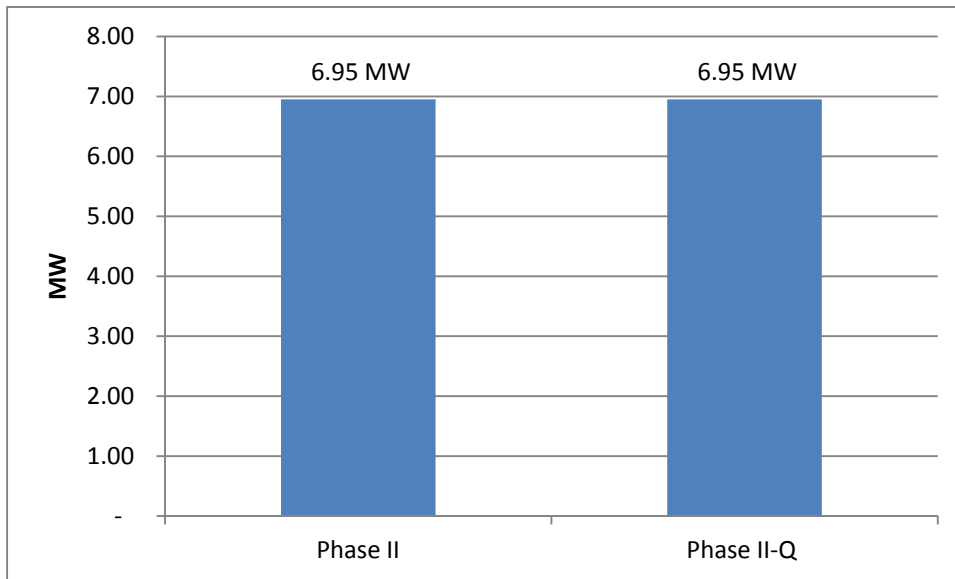
<sup>1</sup> Phase II Reported Gross Savings = Phase II Reported Gross Savings from the beginning of Phase II through the end of the current quarter. All savings reported as Phase II reported gross savings are computed this way.

<sup>2</sup> Phase II-Q-CO Gross Savings = Phase II verified gross savings from the beginning of Phase II including verified Carry Over Savings from Phase I + PYTD reported gross savings

<sup>3</sup> Phase II-Q Gross Savings = CPITD Verified Gross Savings from the beginning of Phase II + PYTD Reported Gross Savings. This excludes Phase I carry over savings. All savings reported as Phase II-Q gross savings are computed this way. Phase II Verified Gross Savings will be reported in the annual report. For the first program year of Phase II (Program Year 5), Phase II-Q Savings and CPP2ITD Savings will be the same as no savings will be verified for Phase II until November, after the end of Program Year 5.

PPL Electric has achieved 6.95 MW of demand reduction during PY5 Q2<sup>4</sup>.

**Figure 1-2: Phase II Portfolio Demand Reduction**



There are 22 measures available to the low-income sector at no cost to the customer. These measures offered to the low-income sector therefore comprise 61 percent of the total measures offered. As required by the Phase II goal, this exceeds the fraction of the electric consumption of the utility’s low-income households divided by the total electricity consumption in the PPL Electric territory, (8.64percent).<sup>5</sup> The Phase II low-income savings compliance goal includes savings from low-income programs and savings from low-income participation in non-low-income programs. The Phase II reported gross energy savings achieved in low-income programs is 2,053 MWh/yr. Savings from low-income participation in non-low-income programs will be computed after the PY5 participant surveys have been completed, and reported in the PY5 annual report.

PPL Electric achieved 4.69 percent of the May 31, 2016, energy reduction compliance target for government, nonprofit and institutional sector, based on cumulative program inception to date Phase II reported gross energy savings, and 117 percent of the target based on Phase II-Q-CO (or Phase II-CO

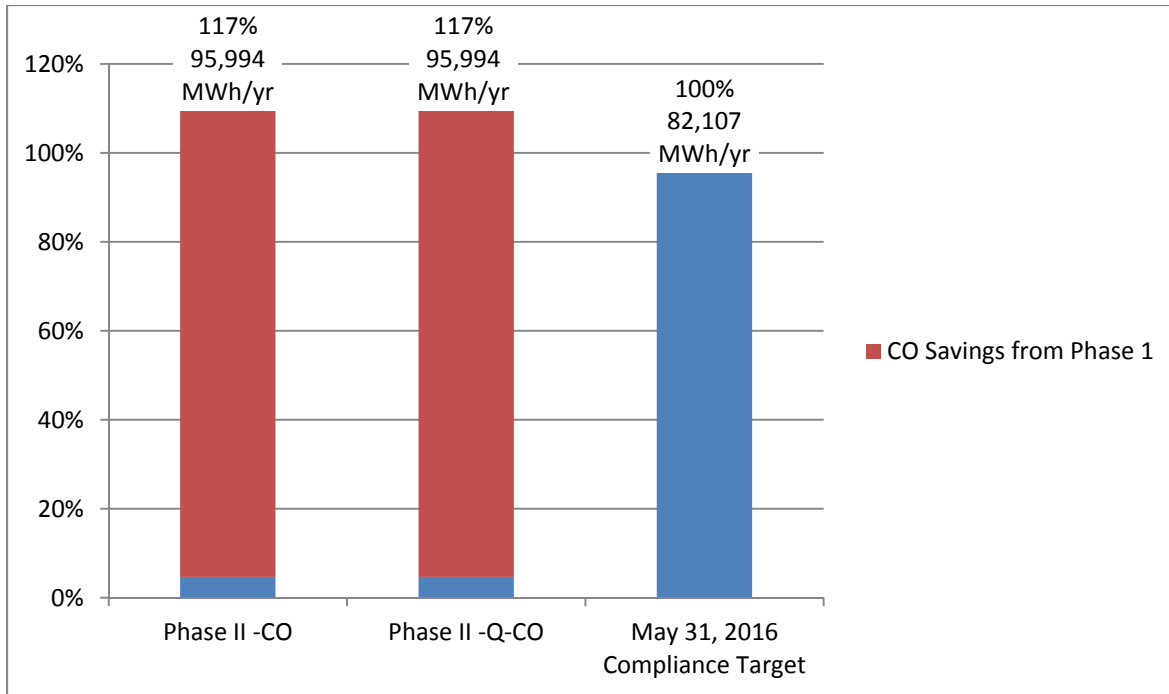
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<sup>4</sup> Unlike Phase I, there is no compliance target for demand reduction in Phase II. Verified demand reduction will be reported in the PY5 Annual Report.

<sup>5</sup> Act 129 includes a provision requiring electric distribution companies to offer a number of energy efficiency 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).

until verified savings are available for PY5) gross energy savings achieved through Quarter 2, as shown in Figure 1-3.

**Figure 1-3: Government, Nonprofit, and Institutional Sectors**



## 1.2 Program Updates and Findings

This section summarizes changes occurring within each program during PY5 Q2:

- **ARP:** Program launched in PY5 Q1.
- **Continuous Energy Improvement:** Program will recruit participants in PY5 and savings will not be reported until PY6.
- **Custom Incentive:** Program launched in PY5 Q1.
- **E-Power Wise:** Program launched in PY5 Q1.
- **Low-Income Energy-Efficiency Behavior & Education:** Program will launch in PY6.
- **Low-Income WRAP:** Program launched in PY5 Q1.
- **Master Metered Low-Income Multifamily Housing:** Program launched in PY5 Q1.
- **Prescriptive Equipment:** Program launched in PY5 Q1.
- **Residential Energy-Efficiency Behavior & Education:** Program will launch in PY6.
- **Residential Home Comfort:** Program launched in PY5 Q1.
- **Residential Retail:** Program launched in PY5 Q1.
- **School Benchmarking:** Program launched in PY5 Q1.
- **Student and Parent Energy-Efficiency Education:** Program launched in PY5 Q2.

### 1.3 Evaluation Updates and Findings

This section summarizes evaluation activities occurring within each program during PY5 Q2:

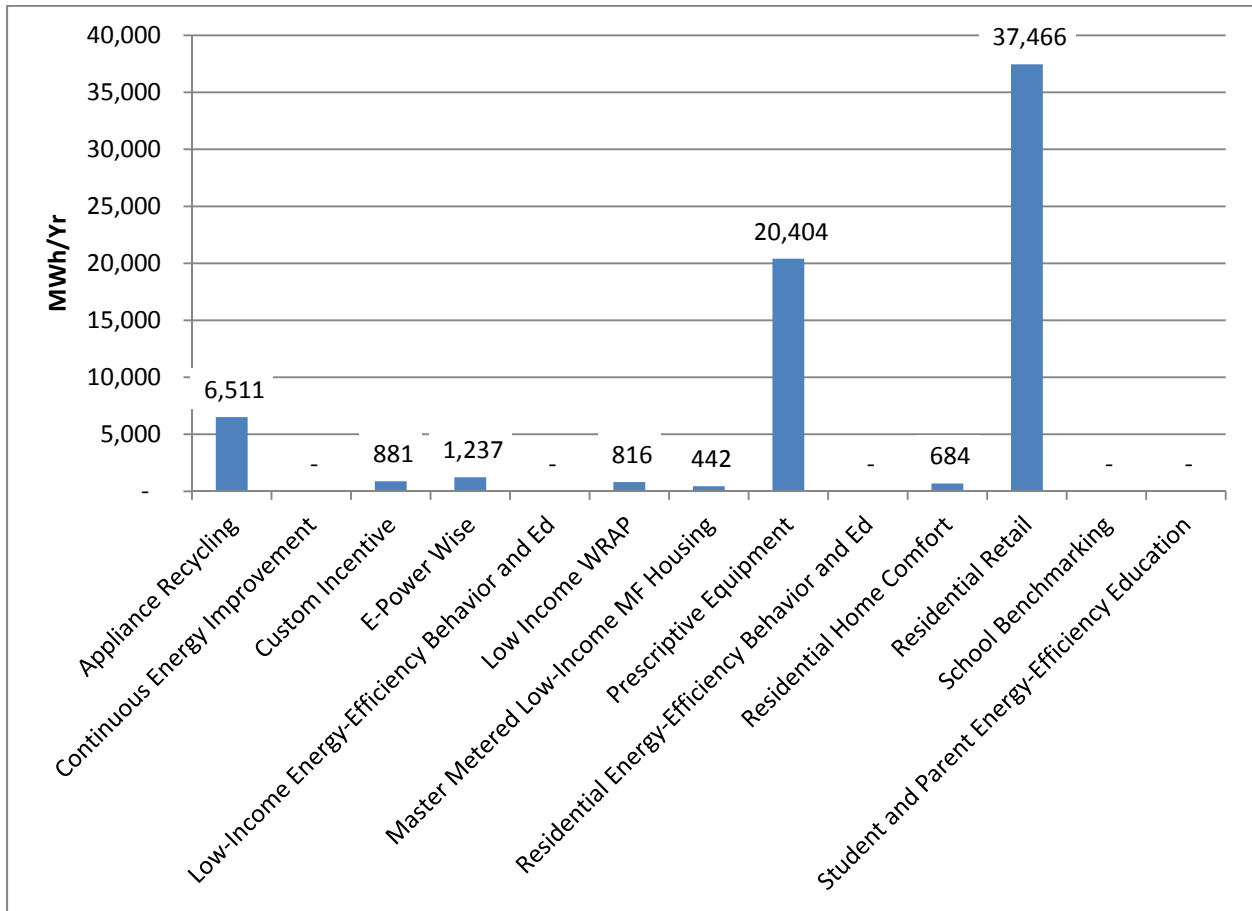
- **ARP:** Began drafting interview guides for program manager interviews and planning PY5 process evaluation activities.
- **Continuous Energy Improvement:** Began planning PY5 process evaluation activities.
- **Custom Incentive:** PPL/EPS identified a number of projects that are expected to be in the “large” project strata. In PY5 Q2 the Cadmus team worked with EPS to refine baselines and SSMVPs for these projects. Pre-installation site visits were conducted when possible. Began planning PY5 process evaluation activities.
- **E-Power Wise:** Began reviewing EEMIS data and planning PY5 process evaluation activities.
- **Low-Income Energy-Efficiency Behavior & Education:** Began planning for PY5 interviews and PY6 analysis.
- **Low-Income WRAP:** Began reviewing EEMIS data and selecting a sample for the quarterly records review. Began planning PY5 process evaluation activities.
- **Master Metered Low-Income Multifamily Housing:** Began planning PY5 process evaluation activities.
- **Prescriptive Equipment:** Began planning PY5 process evaluation activities.
- **Residential Energy-Efficiency Behavior & Education:** Began planning PY5 process evaluation activities.
- **Residential Home Comfort:** Began reviewing EEMIS data and selecting a sample for the quarterly records review. Began planning PY5 process evaluation activities.
- **Residential Retail:** Began planning PY5 process evaluation activities.
- **School Benchmarking:** Began planning PY5 process evaluation activities.
- **Student and Parent Energy-Efficiency Education:** Finalized specifications for bulk upload of PY5 program data to EEMIS. Began preparing Student and Parent surveys and planning PY5 process evaluation activities.



## 2 Summary of Energy Impacts by Program

A summary of the reported energy savings by program is presented in Figure 2-1.

Figure 2-1: Phase II Reported Gross Energy Savings by Program



A summary of energy impacts by program through PY5 Q2 is presented in Table 2-1.

**Table 2-1: PPL Electric Reported Participation and Gross Energy Savings by Program (MWh/Year)**

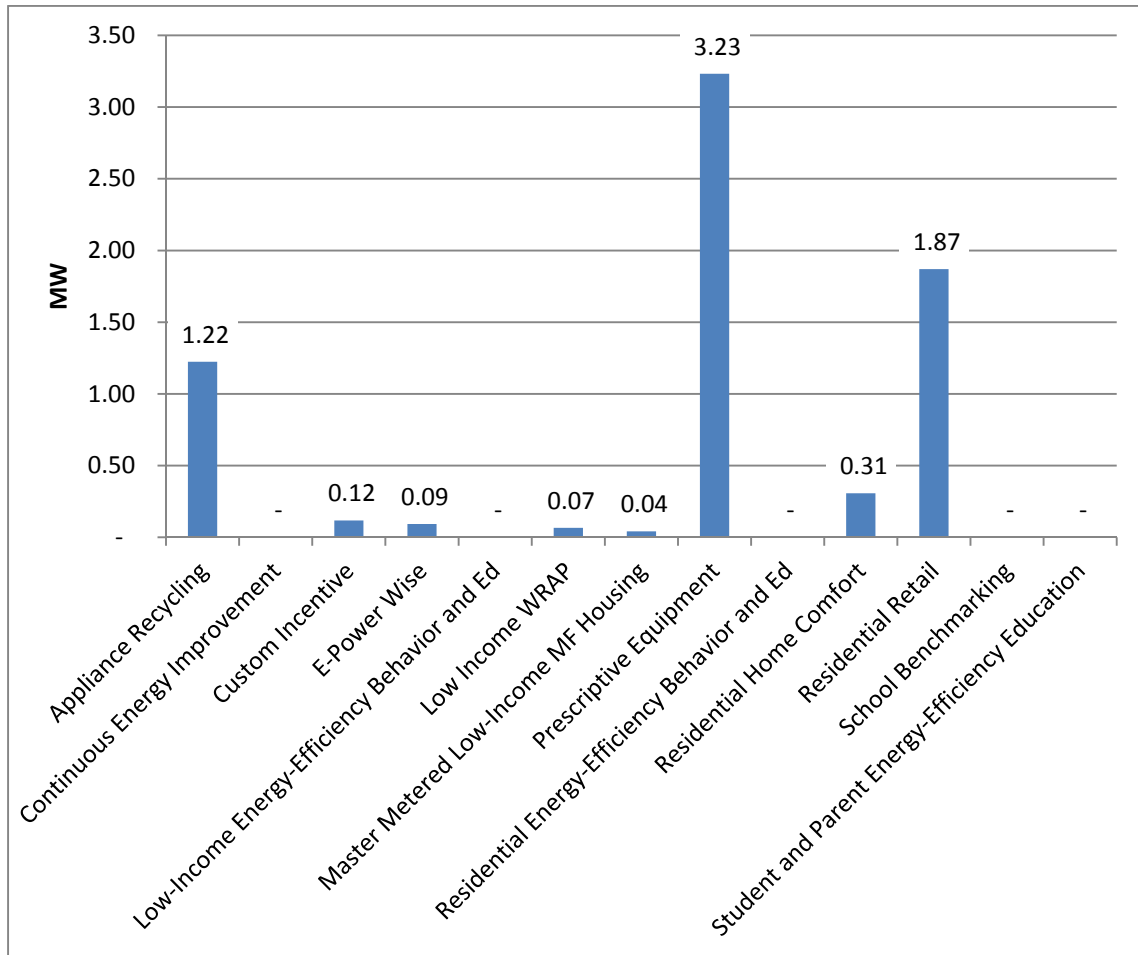
Program	Participants			Reported Gross Impact (MWh/Year)			
	IQ	PYTD	Phase II	IQ	PYTD	Phase II	Phase II-Q
Appliance Recycling	4,041	7,597	7,597	3,490	6,511	6,511	6,511
Continuous Energy Improvement	-	-	-	-	-	-	-
Custom Incentive	33	61	61	568	881	881	881
E-Power Wise	581	1,802	1,802	399	1,237	1,237	1,237
Low-Income Energy-Efficiency Behavior and Ed	-	-	-	-	-	-	-
Low-Income WRAP	669	745	745	738	816	816	816
Master Metered Low-Income MF Housing	10	10	10	442	442	442	442
Prescriptive Equipment	681	681	681	20,404	20,404	20,404	20,404
Residential Energy-Efficiency Behavior and Ed	-	-	-	-	-	-	-
Residential Home Comfort	752	752	752	684	684	684	684
Residential Retail <sup>6</sup>	89,284	125,285	125,285	26,801	37,466	37,466	37,466
School Benchmarking	-	-	-	-	-	-	-
Student and Parent Energy-Efficiency Education	-	-	-	-	-	-	-
<b>TOTAL PORTFOLIO</b>	<b>96,051</b>	<b>136,933</b>	<b>136,933</b>	<b>53,527</b>	<b>68,441</b>	<b>68,441</b>	<b>68,441</b>
<b>Carry Over Savings from Phase I</b>						<b>495,636</b>	<b>495,636</b>
<b>Total</b>						<b>564,077</b>	<b>564,077</b>

<sup>6</sup> The Residential Retail program contains an upstream lighting component, in which exact participation is not known. The EM&V CSP estimated the number of participants in this component of the program by dividing the total number of bulbs discounted or given away by a CFL-per-participant value derived from the most recent residential customer telephone survey data (7.80 bulbs in PY4). The total participant count for this program is comprised of 2,093 equipment-rebate participants, 208 midstream equipment-incentive participants, and 122,984 estimated lighting participants purchasing 959,278 discounted bulbs.

### 3 Summary of Demand Impacts by Program

A summary of the reported demand reduction by program is presented in Figure 3-1.

Figure 3-1: Phase II Demand Reduction by Program



A summary of total demand reduction impacts by program through PY5 Q2 is presented in Table 3-1.

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

Program	Participants			Reported Gross Impact (MW)			
	IQ	PYTD	Phase II	IQ	PYTD	Phase II	Phase II-Q
Appliance Recycling	4,041	7,597	7,597	0.66	1.22	1.22	1.22
Continuous Energy Improvement	-	-	-	-	-	-	-
Custom Incentive	33	61	61	0.07	0.12	0.12	0.12
E-Power Wise	581	1,802	1,802	0.03	0.09	0.09	0.09
Low-Income Energy-Efficiency Behavior and Ed	-	-	-	-	-	-	-
Low-Income WRAP	669	745	745	0.07	0.07	0.07	0.07
Master Metered Low-Income MF Housing	10	10	10	0.04	0.04	0.04	0.04
Prescriptive Equipment	681	681	681	3.23	3.23	3.23	3.23
Residential Energy-Efficiency Behavior and Ed	-	-	-	-	-	-	-
Residential Home Comfort	752	752	752	0.31	0.31	0.31	0.31
Residential Retail <sup>7</sup>	89,284	125,285	125,285	1.34	1.87	1.87	1.87
School Benchmarking	-	-	-	-	-	-	-
Student and Parent Energy-Efficiency Education	-	-	-	-	-	-	-
<b>TOTAL PORTFOLIO</b>	<b>96,051</b>	<b>136,933</b>	<b>136,933</b>	<b>5.75</b>	<b>6.95</b>	<b>6.95</b>	<b>6.95</b>

<sup>7</sup> The Residential Retail program contains an upstream lighting component, in which exact participation is not known. The EM&V CSP estimated the number of participants in this component of the program by dividing the total number of bulbs discounted or given away by a CFL-per-participant value derived from the most recent residential customer telephone survey data (7.80 bulbs in PY4). The total participant count for this program is comprised of 2,093 equipment-rebate participants, 208 midstream equipment-incentive participants, and 122,984 estimated lighting participants purchasing 959,278 discounted bulbs.

## 4 Summary of Finances

### 4.1 Portfolio Level Expenditures

A breakdown of the portfolio finances is presented in Table 4-1.

**Table 4-1: Summary of Portfolio Finances**

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$2,847	\$3,016	\$3,016
<b>Subtotal EDC Incentive Costs</b>	<b>\$2,847</b>	<b>\$3,016</b>	<b>\$3,016</b>
Design & Development	\$82	\$1,150	\$1,150
Administration, Management and Technical Assistance <sup>[1]</sup>	\$5,052	\$7,928	\$7,928
Marketing	\$988	\$2,057	\$2,057
<b>Subtotal EDC Implementation Costs</b>	<b>\$6,123</b>	<b>\$11,135</b>	<b>\$11,135</b>
<b>EDC Evaluation Costs</b>	<b>\$135</b>	<b>\$619</b>	<b>\$619</b>
<b>SWE Audit Costs</b>	<b>\$500</b>	<b>\$500</b>	<b>\$500</b>
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$9,605</b>	<b>\$15,270</b>	<b>\$15,270</b>
<b>Participant Costs<sup>[3]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Total TRC Costs<sup>[4]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>NOTES</b>			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</i>			
<sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight, major accounts, and technical assistance			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer. These will be calculated for the PY5 Final Annual Report.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY5 Final Annual Report.			

## 4.2 Program Level Expenditures

Program-specific finances are shown in the following tables.

**Table 4-2: Summary of Program Finances – Appliance Recycling**

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$183	\$286	\$286
<b>Subtotal EDC Incentive Costs</b>	<b>\$183</b>	<b>\$286</b>	<b>\$286</b>
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance <sup>[1]</sup>	\$500	\$799	\$799
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$500</b>	<b>\$799</b>	<b>\$799</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$683</b>	<b>\$1,085</b>	<b>\$1,085</b>
<b>Participant Costs<sup>[3]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Total TRC Costs<sup>[4]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>NOTES</b>			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</i>			
<sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight, major accounts, and technical assistance			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer. These will be calculated for the PY5 Final Annual Report.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY5 Final Annual Report.			

**Table 4-3: Summary of Program Finances – Continuous Energy Improvement**

	<b>Quarter 2 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants or Trade Allies	\$0	\$0	\$0
<b>Subtotal EDC Incentive Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance <sup>[1]</sup>	\$13	\$24	\$24
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$13</b>	<b>\$24</b>	<b>\$24</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$13</b>	<b>\$24</b>	<b>\$24</b>
<b>Participant Costs<sup>[3]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Total TRC Costs<sup>[4]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>NOTES</b>			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</i>			
<sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight, major accounts, and technical assistance			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer. These will be calculated for the PY5 Final Annual Report.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY5 Final Annual Report.			

**Table 4-4: Summary of Program Finances – Custom Incentive**

	<b>Quarter 2 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants or Trade Allies	\$42	\$42	\$42
<b>Subtotal EDC Incentive Costs</b>	<b>\$42</b>	<b>\$42</b>	<b>\$42</b>
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance <sup>[1]</sup>	\$184	\$207	\$207
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$184</b>	<b>\$207</b>	<b>\$207</b>
<b>EDC Evaluation Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>SWE Audit Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$225</b>	<b>\$249</b>	<b>\$249</b>
<b>Participant Costs<sup>[3]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Total TRC Costs<sup>[4]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>NOTES</b>			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</i>			
<sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight, major accounts, and technical assistance			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer. These will be calculated for the PY5 Final Annual Report.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY5 Final Annual Report.			



**Table 4-5: Summary of Program Finances – E-Power Wise**

	<b>Quarter 2 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants or Trade Allies <sup>[1]</sup>	\$0	\$0	\$0
<b>Subtotal EDC Incentive Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance <sup>[2]</sup>	\$145	\$191	\$191
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$145</b>	<b>\$191</b>	<b>\$191</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[3]</sup></b>	<b>\$145</b>	<b>\$191</b>	<b>\$191</b>
<b>Participant Costs<sup>[4]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Total TRC Costs<sup>[5]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>NOTES</b>			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</i>			
<sup>1</sup> The value of the free home energy kits and education are classified as “Management” (CSP Costs), consistent with the PA PUC’s August 2013 TRC Order.			
<sup>2</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight, major accounts, and technical assistance			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>4</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer. These will be calculated for the PY5 Final Annual Report.			
<sup>5</sup> Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY5 Final Annual Report.			

**Table 4-6: Summary of Program Finances – Low-Income Energy-Efficiency Behavior and Education**

	<b>Quarter 2 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants or Trade Allies	\$0	\$0	\$0
<b>Subtotal EDC Incentive Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance <sup>[1]</sup>	\$1	\$3	\$3
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$1</b>	<b>\$3</b>	<b>\$3</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$1</b>	<b>\$3</b>	<b>\$3</b>
<b>Participant Costs<sup>[3]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Total TRC Costs<sup>[4]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>NOTES</b>			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</i>			
<sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight, major accounts, and technical assistance			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer. These will be calculated for the PY5 Final Annual Report.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY5 Final Annual Report.			

**Table 4-7: Summary of Program Finances – Low-Income WRAP**

	<b>Quarter 2 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants or Trade Allies <sup>[1]</sup>	\$0	\$0	\$0
<b>Subtotal EDC Incentive Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance <sup>[2]</sup>	\$1,248	\$1,454	\$1,454
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$1,248</b>	<b>\$1,454</b>	<b>\$1,454</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[3]</sup></b>	<b>\$1,248</b>	<b>\$1,454</b>	<b>\$1,454</b>
<b>Participant Costs<sup>[4]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Total TRC Costs<sup>[5]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>NOTES</b>			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</i>			
<sup>1</sup> The cost of the weatherization measures provided to participants for free is classified as “Management” (CSP costs), consistent with the PA PUC’s August 2013 TRC Order.			
<sup>2</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight, major accounts, and technical assistance			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>4</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer. These will be calculated for the PY5 Final Annual Report.			
<sup>5</sup> Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY5 Final Annual Report.			

**Table 4-8: Summary of Program Finances – Master Metered Low-Income Multifamily Housing**

	<b>Quarter 2 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants or Trade Allies	\$46	\$46	\$46
<b>Subtotal EDC Incentive Costs</b>	<b>\$46</b>	<b>\$46</b>	<b>\$46</b>
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance <sup>[1]</sup>	\$92	\$166	\$166
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$92</b>	<b>\$166</b>	<b>\$166</b>
<b>EDC Evaluation Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>SWE Audit Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$138</b>	<b>\$212</b>	<b>\$212</b>
<b>Participant Costs<sup>[3]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Total TRC Costs<sup>[4]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>NOTES</b>			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</i>			
<sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight, major accounts, and technical assistance			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer. These will be calculated for the PY5 Final Annual Report.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY5 Final Annual Report.			

**Table 4-9: Summary of Program Finances – Prescriptive Equipment**

	<b>Quarter 2 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants or Trade Allies	\$1,526	\$1,526	\$1,526
<b>Subtotal EDC Incentive Costs</b>	<b>\$1,526</b>	<b>\$1,526</b>	<b>\$1,526</b>
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance <sup>[1]</sup>	\$984	\$1,182	\$1,182
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$984</b>	<b>\$1,182</b>	<b>\$1,182</b>
<b>EDC Evaluation Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>SWE Audit Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$2,510</b>	<b>\$2,708</b>	<b>\$2,708</b>
<b>Participant Costs<sup>[3]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Total TRC Costs<sup>[4]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>NOTES</b>			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</i>			
<sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight, major accounts, and technical assistance			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer. These will be calculated for the PY5 Final Annual Report.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY5 Final Annual Report.			

**Table 4-10: Summary of Program Finances – Residential Energy-Efficiency Behavior and Education**

	<b>Quarter 2 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants or Trade Allies	\$0	\$0	\$0
<b>Subtotal EDC Incentive Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance <sup>[1]</sup>	\$0	\$24	\$24
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$0</b>	<b>\$24</b>	<b>\$24</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$0</b>	<b>\$24</b>	<b>\$24</b>
<b>Participant Costs<sup>[3]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Total TRC Costs<sup>[4]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>NOTES</b>			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</i>			
<sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight, major accounts, and technical assistance			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer. These will be calculated for the PY5 Final Annual Report.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY5 Final Annual Report.			

**Table 4-11: Summary of Program Finances – Residential Home Comfort**

	<b>Quarter 2 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants or Trade Allies	\$67	\$67	\$67
<b>Subtotal EDC Incentive Costs</b>	<b>\$67</b>	<b>\$67</b>	<b>\$67</b>
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance <sup>[1]</sup>	\$9	\$216	\$216
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$9</b>	<b>\$216</b>	<b>\$216</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$76</b>	<b>\$283</b>	<b>\$283</b>
<b>Participant Costs<sup>[3]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Total TRC Costs<sup>[4]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>NOTES</b>			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</i>			
<sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight, major accounts, and technical assistance			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer. These will be calculated for the PY5 Final Annual Report.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY5 Final Annual Report.			

**Table 4-12: Summary of Program Finances – Residential Retail**

	<b>Quarter 2 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants or Trade Allies	\$984	\$1,049	\$1,049
<b>Subtotal EDC Incentive Costs</b>	<b>\$984</b>	<b>\$1,049</b>	<b>\$1,049</b>
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance <sup>[1]</sup>	\$795	\$1,209	\$1,209
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$795</b>	<b>\$1,209</b>	<b>\$1,209</b>
<b>EDC Evaluation Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>SWE Audit Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$1,778</b>	<b>\$2,258</b>	<b>\$2,258</b>
<b>Participant Costs<sup>[3]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Total TRC Costs<sup>[4]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>NOTES</b>			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</i>			
<sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight, major accounts, and technical assistance			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer. These will be calculated for the PY5 Final Annual Report.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY5 Final Annual Report.			



**Table 4-13: Summary of Program Finances – School Benchmarking**

	<b>Quarter 2 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants or Trade Allies	\$0	\$0	\$0
<b>Subtotal EDC Incentive Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance <sup>[1]</sup>	\$31	\$75	\$75
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$31</b>	<b>\$75</b>	<b>\$75</b>
<b>EDC Evaluation Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>SWE Audit Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$31</b>	<b>\$75</b>	<b>\$75</b>
<b>Participant Costs<sup>[3]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Total TRC Costs<sup>[4]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>NOTES</b>			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</i>			
<sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight, major accounts, and technical assistance			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer. These will be calculated for the PY5 Final Annual Report.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY5 Final Annual Report.			

**Table 4-14: Summary of Program Finances – Student and Parent Energy-Efficiency Education**

	<b>Quarter 2 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants or Trade Allies <sup>[1]</sup>	\$0	\$0	\$0
<b>Subtotal EDC Incentive Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance <sup>[2]</sup>	\$318	\$470	\$470
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$318</b>	<b>\$470</b>	<b>\$470</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[3]</sup></b>	<b>\$318</b>	<b>\$470</b>	<b>\$470</b>
<b>Participant Costs<sup>[4]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Total TRC Costs<sup>[5]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>NOTES</b>			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</i>			
<sup>1</sup> The cost of the kits and other measures provided to participants for free is classified as “Management” (CSP costs), consistent with the PA PUC’s August 2013 TRC Order.			
<sup>2</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight, major accounts, and technical assistance			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>4</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer. These will be calculated for the PY5 Final Annual Report.			
<sup>5</sup> Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY5 Final Annual Report.			