

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

**For the Period  
June 2013 through August 2013  
Program Year 5, Quarter 1**

For Pennsylvania Act 129 of 2008  
Energy Efficiency and Conservation Plan

Prepared by The Cadmus Group, Inc.

For

PPL Electric

October 15, 2013

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## Acronyms

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 verified 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
IQ	Incremental Quarter
LED	Light Emitting Diode
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
PY7	Program Year 2015, from June 1, 2011 to May 31, 2016
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 first quarter of Program Year 5 (PY5), defined as June 1, 2013 through August 31, 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 included 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 first quarter of PY5, PPL Electric’s portfolio operated 13 programs:

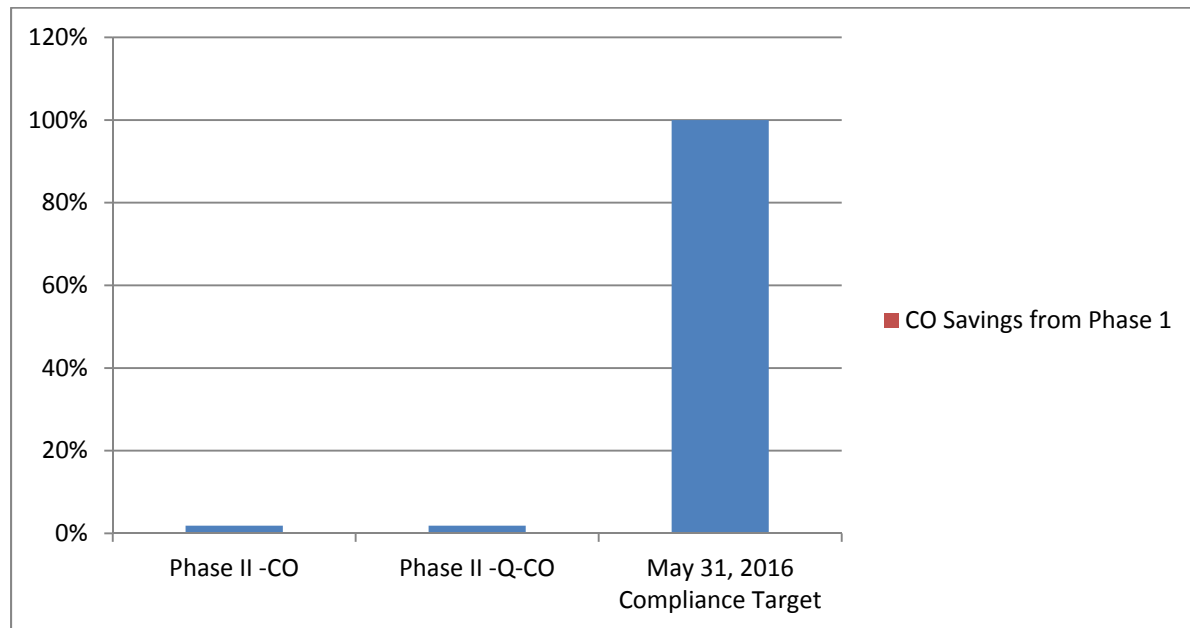
1. The Appliance Recycling Program (ARP) offers customers incentives to have their outdated refrigerators, freezers, and air conditioners recycled.
2. The Continuous Energy Improvement Program provides technical support for schools to develop and implement a Strategic Energy Management Plan.
3. The Custom Incentive Program offers custom incentives to nonresidential customers per kilowatt hour (kWh) saved during the first year of participation.
4. The E-Power Wise Program provides low-income customers with information about energy use, along with home energy kits.
5. The Low-Income Energy-Efficiency Behavior & Education Program provides qualified low-income customers with a series of home energy reports showing their energy use, comparing their usage to similar customers, and providing energy savings tips.
6. The Low-Income Winter Relief Assistance Program (WRAP) provides weatherization to low-income customers using Act 129 funding to expand the existing Low-Income Usage Reduction Program.
7. 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.
8. The Master Metered Low-Income Multifamily Housing Program targets energy efficiency improvements in master metered multifamily low-income housing buildings.
9. The Residential Energy-Efficiency Behavior & Education Program provides high-usage residential customers with a series of “report cards” comparing their usage to comparable customers.
10. The Residential Home Comfort Program offers energy-saving measures and rebates for new construction and retrofitted existing homes.

11. The Residential Retail Program offers rebates and upstream incentives for energy-efficiency products found in retail stores.
12. The School Benchmarking Program works with school administrators to evaluate total building energy use using the Environmental Protection Agency's Portfolio Manager tool.
13. 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 2 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 2 percent of the energy savings compliance target, based on Phase II-Q-CO<sup>2</sup> as shown in Figure 1-1. Note that Phase 1 carryover savings will not be included until Phase 1 savings are verified on November 15, 2013.

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



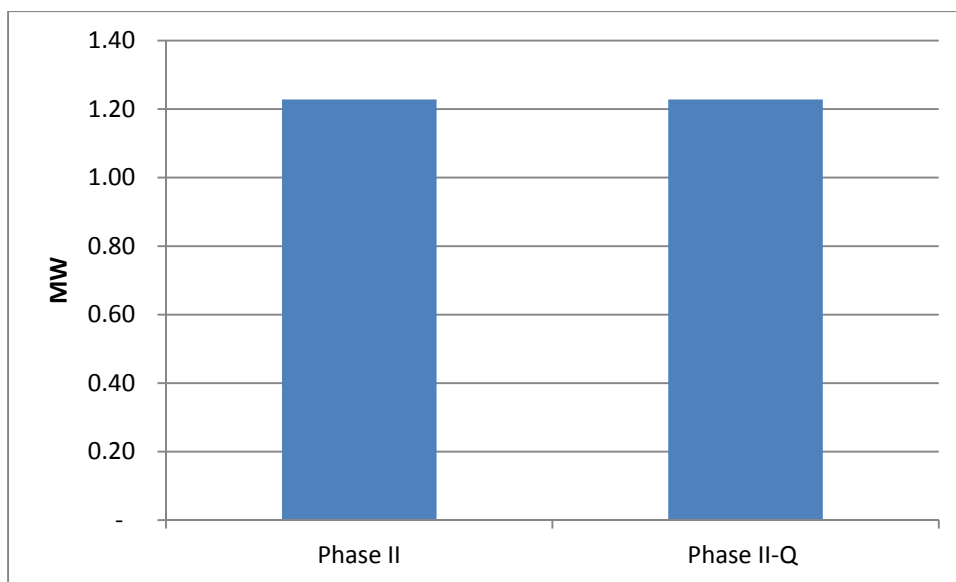
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<sup>1</sup> Phase II Reported Gross Savings = Phase II Reported Gross Savings from the beginning of Phase II through the end of the current quarter. All savings reported as Phase II reported gross savings are computed this way.

<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

PPL Electric has achieved 1.23 MW of demand reduction during PY5Q1<sup>3</sup>.

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



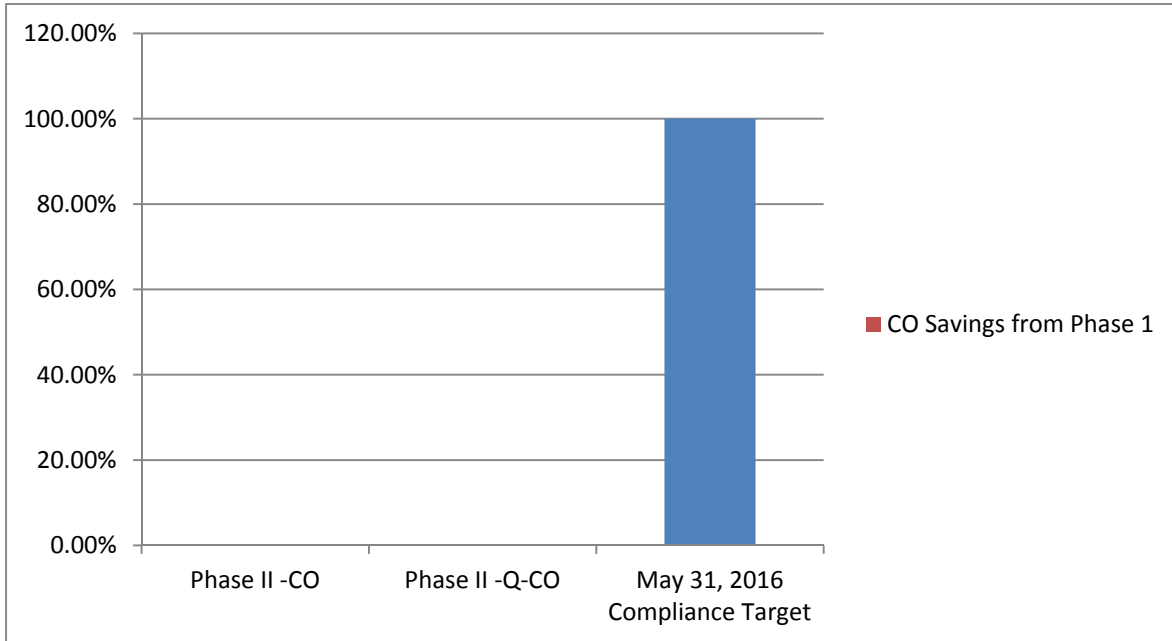
In PY5 Q1, PPL Electric launched a number of their Phase II programs. Since not all launched programs reported savings in Q1, the percentage of measures available to the low income sector was not computed. PPL Electric’s EE&C Plan, filed with the Commission, shows that at least 19% of its total measures are available to the low-income sector. This exceeds the compliance requirement of 9.95%. PPL Electric will determine and report the percentage of measures available to the low income sector in the Q2 report.

PPL Electric achieved 0.01 percent of the May 31, 2016, energy reduction compliance target for government, nonprofit and institutional sector, based on Phase II reported gross energy savings, and 0.01 percent of the target based on Phase II-Q-CO as shown in Figure 1-3. Note that Phase 1 carryover savings will not be included until Phase 1 savings are verified on November 15, 2013.

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<sup>3</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.

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





## 1.2 Program Updates and Findings

This section summarizes changes occurring within each program during PY5 Q1:

- **ARP:** Program launched in PY5 Q1.
- **Continuous Energy Improvement:** Program will launch in 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:** No updates.

## 1.3 Evaluation Updates and Findings

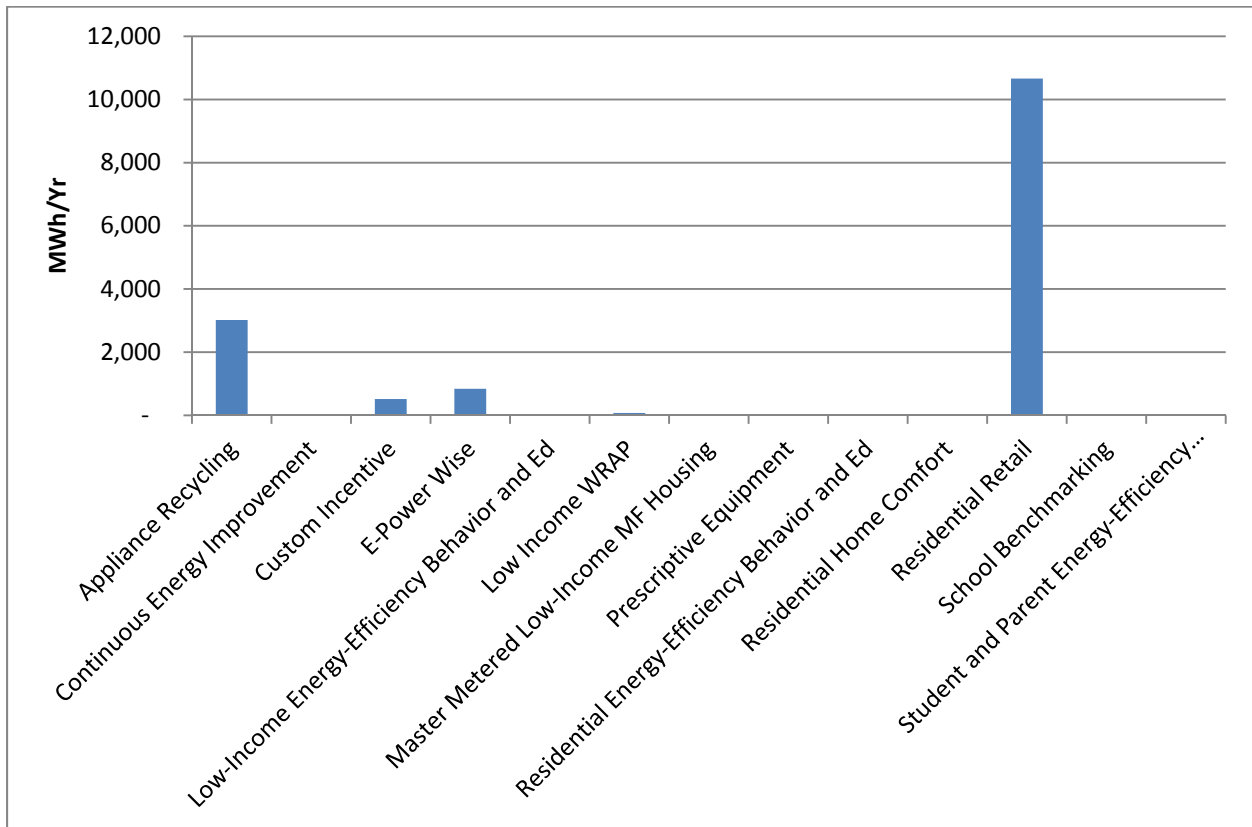
This section summarizes evaluation activities occurring within each program during PY5 Q1:

- **ARP:** No evaluation activities occurred in PY5Q1.
- **Continuous Energy Improvement:** No evaluation activities occurred in PY5Q1.
- **Custom Incentive:** No evaluation activities occurred in PY5Q1.
- **E-Power Wise:** No evaluation activities occurred in PY5Q1.
- **Low-Income Energy-Efficiency Behavior & Education:** No evaluation activities occurred in PY5Q1.
- **Low-Income WRAP:** No evaluation activities occurred in PY5Q1.
- **Master Metered Low-Income Multifamily Housing:** No evaluation activities occurred in PY5Q1.
- **Prescriptive Equipment:** No evaluation activities occurred in PY5Q1.
- **Residential Energy-Efficiency Behavior & Education:** No evaluation activities occurred in PY5Q1.
- **Residential Home Comfort:** No evaluation activities occurred in PY5Q1.
- **Residential Retail:** No evaluation activities occurred in PY5Q1.
- **School Benchmarking:** No evaluation activities occurred in PY5Q1.
- **Student and Parent Energy-Efficiency Education:** No evaluation activities occurred in PY5Q1.

## 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 the PY5 Q1 is presented in Table 2-1.

**Table 2-1: EDC 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	3,556	3,556	3,556	3,020	3,020	3,020	3,020
Continuous Energy Improvement	-	-	-	-	-	-	-
Custom Incentive	28	28	28	514	514	514	514
E-Power Wise	1,221	1,221	1,221	838	838	838	838
Low-Income Energy-Efficiency Behavior and Ed	-	-	-	-	-	-	-
Low Income WRAP	76	76	76	78	78	78	78
Master Metered Low-Income MF Housing	-	-	-	-	-	-	-
Prescriptive Equipment	-	-	-	-	-	-	-
Residential Energy-Efficiency Behavior and Ed	-	-	-	-	-	-	-
Residential Home Comfort	-	-	-	-	-	-	-
Residential Retail <sup>4</sup>	36,001	36,001	36,001	10,665	10,665	10,665	10,665
School Benchmarking	-	-	-	-	-	-	-
Student and Parent Energy-Efficiency Education	-	-	-	-	-	-	-
<b>TOTAL PORTFOLIO</b>	<b>40,882</b>	<b>40,882</b>	<b>40,882</b>	<b>15,116</b>	<b>15,116</b>	<b>15,116</b>	<b>15,116</b>
<b>Carry Over Savings from Phase I<sup>5</sup></b>						--	--
<b>Total</b>						<b>15,116</b>	<b>15,116</b>

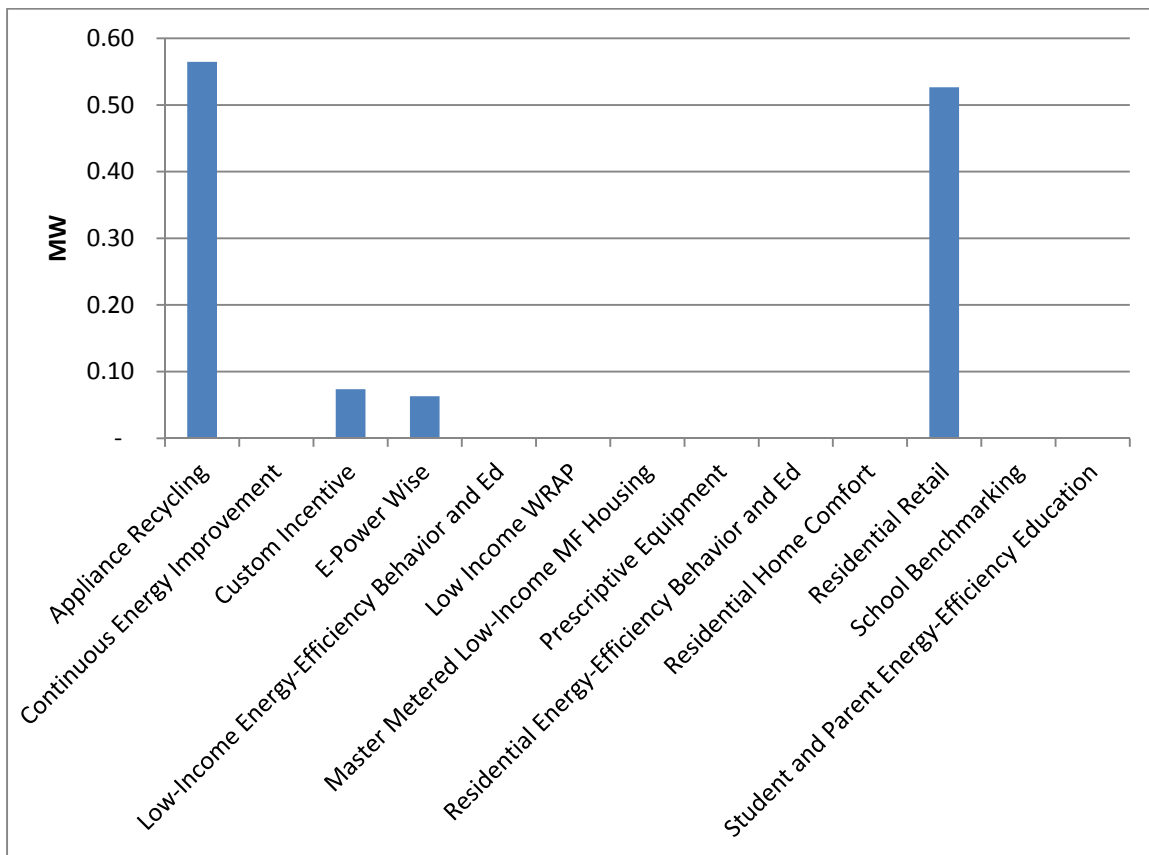
<sup>4</sup> The Residential Retail program contains an upstream lighting component, in which exact participation is not known. The EM&V CSP estimated the number of participants in this component of the program by dividing the total number of bulbs discounted or given away by a CFL-per-participant value 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 286 equipment rebates and 35,715 estimated lighting participants purchasing 278,579 discounted bulbs.

<sup>5</sup> Note that Phase 1 carryover savings will not be included until Phase 1 savings are verified on November 15, 2013.

### 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 the PY5 Q1 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	3,556	3,556	3,556	0.56	0.56	0.56	0.56
Continuous Energy Improvement	-	-	-	-	-	-	-
Custom Incentive	28	28	28	0.07	0.07	0.07	0.07
E-Power Wise	1,221	1,221	1,221	0.06	0.06	0.06	0.06
Low-Income Energy-Efficiency Behavior and Ed	-	-	-	-	-	-	-
Low Income WRAP	76	76	76	0.00	0.00	0.00	0.00
Master Metered Low-Income MF Housing	-	-	-	-	-	-	-
Prescriptive Equipment	-	-	-	-	-	-	-
Residential Energy-Efficiency Behavior and Ed	-	-	-	-	-	-	-
Residential Home Comfort	-	-	-	-	-	-	-
Residential Retail <sup>6</sup>	36,001	36,001	36,001	0.53	0.53	0.53	0.53
School Benchmarking	-	-	-	-	-	-	-
Student and Parent Energy-Efficiency Education	-	-	-	-	-	-	-
<b>TOTAL PORTFOLIO</b>	<b>40,882</b>	<b>40,882</b>	<b>40,882</b>	<b>1.23</b>	<b>1.23</b>	<b>1.23</b>	<b>1.23</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 286 equipment rebates and 35,715 estimated lighting participants purchasing 278,579 discounted bulbs.

## 4 Summary of Finances

### 4.1 Portfolio Level Expenditures

A breakdown of the portfolio finances is presented in Table 4-1. Quarter 1 values include costs accrued prior to the Phase II start date of June 1, 2013.

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

	Quarter 1 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$169	\$169	\$169
<b>Subtotal EDC Incentive Costs</b>	<b>\$169</b>	<b>\$169</b>	<b>\$169</b>
Design & Development	\$1,067	\$1,067	\$1,067
Administration, Management and Technical Assistance <sup>[1]</sup>	\$2,876	\$2,876	\$2,876
Marketing	\$1,069	\$1,069	\$1,069
<b>Subtotal EDC Implementation Costs</b>	<b>\$5,012</b>	<b>\$5,012</b>	<b>\$5,012</b>
<b>EDC Evaluation Costs</b>	<b>\$484</b>	<b>\$484</b>	<b>\$484</b>
<b>SWE Audit Costs</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$5,665</b>	<b>\$5,665</b>	<b>\$5,665</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. Quarter 1 values include costs accrued prior to the Phase II start date of June 1, 2013.

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

	Quarter 1 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$103	\$103	\$103
<b>Subtotal EDC Incentive Costs</b>	<b>\$103</b>	<b>\$103</b>	<b>\$103</b>
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance <sup>[1]</sup>	\$300	\$300	\$300
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$300</b>	<b>\$300</b>	<b>\$300</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>\$403</b>	<b>\$403</b>	<b>\$403</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>

**NOTES**

*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.*

<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 1 (\$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>	\$10	\$10	\$10
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$10</b>	<b>\$10</b>	<b>\$10</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$10</b>	<b>\$10</b>	<b>\$10</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 1 (\$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>	\$23	\$23	\$23
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$23</b>	<b>\$23</b>	<b>\$23</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>\$23</b>	<b>\$23</b>	<b>\$23</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 1 (\$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>	\$46	\$46	\$46
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$46</b>	<b>\$46</b>	<b>\$46</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[3]</sup></b>	<b>\$46</b>	<b>\$46</b>	<b>\$46</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 1 (\$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>	\$2	\$2	\$2
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$2</b>	<b>\$2</b>	<b>\$2</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</b>	<b>\$2</b>	<b>\$2</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 1 (\$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>	\$209	\$209	\$209
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$209</b>	<b>\$209</b>	<b>\$209</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[3]</sup></b>	<b>\$209</b>	<b>\$209</b>	<b>\$209</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 1 (\$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>	\$74	\$74	\$74
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$74</b>	<b>\$74</b>	<b>\$74</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[3]</sup></b>	<b>\$74</b>	<b>\$74</b>	<b>\$74</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 direct install 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 4-9: Summary of Program Finances – Prescriptive Equipment**

	<b>Quarter 1 (\$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>	\$198	\$198	\$198
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$198</b>	<b>\$198</b>	<b>\$198</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$198</b>	<b>\$198</b>	<b>\$198</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 1 (\$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>	\$24	\$24	\$24
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$24</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>\$24</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 1 (\$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>	\$207	\$207	\$207
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$207</b>	<b>\$207</b>	<b>\$207</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$207</b>	<b>\$207</b>	<b>\$207</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 1 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants or Trade Allies	\$65	\$65	\$65
<b>Subtotal EDC Incentive Costs</b>	<b>\$65</b>	<b>\$65</b>	<b>\$65</b>
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance <sup>[1]</sup>	\$414	\$414	\$414
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$414</b>	<b>\$414</b>	<b>\$414</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>\$479</b>	<b>\$479</b>	<b>\$479</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 1 (\$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>	\$44	\$44	\$44
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$44</b>	<b>\$44</b>	<b>\$44</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>\$44</b>	<b>\$44</b>	<b>\$44</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 1 (\$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>	\$151	\$151	\$151
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$151</b>	<b>\$151</b>	<b>\$151</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[3]</sup></b>	<b>\$151</b>	<b>\$151</b>	<b>\$151</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>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.			