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January 15, 2015

***VIA HAND DELIVERY***


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

**Re: Quarterly Report for the Period September 2014 through November 2014 Program  
Year 6, Quarter 2 of PPL Electric Utilities Corporation's Act 129 Plan  
Docket No. M-2012-2334388**

Dear Secretary Chiavetta:

Enclosed on behalf of PPL Electric Utilities Corporation ("PPL Electric") is the Quarterly Report for the period September 2014 through November 2014, Program Year 6, Quarter 2 of PPL Electric's Act 129 Plan.

Respectfully submitted,



Devin Ryan

DTR/jl  
Enclosure

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

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

**For the Period  
September 2014 through November 2014  
Program Year 6, Quarter 2**

For Pennsylvania Act 129 of 2008  
Energy Efficiency and Conservation Plan

Prepared by The Cadmus Group, Inc.

For

PPL Electric

January 15, 2015

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## Acronyms

C&I	Commercial and Industrial
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
HVAC	Heating, Ventilating, and Air Conditioning
IQ	Incremental Quarter
MW	Megawatt
MWh	Megawatt-hour
NTG	Net-to-Gross
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
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 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 6 (PY6), defined as September 1, 2014 through November 30, 2014, 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 PY6 will be reported in the annual report, to be filed November 15, 2015.

In the second quarter of PY6, PPL Electric's portfolio operated 13 programs:

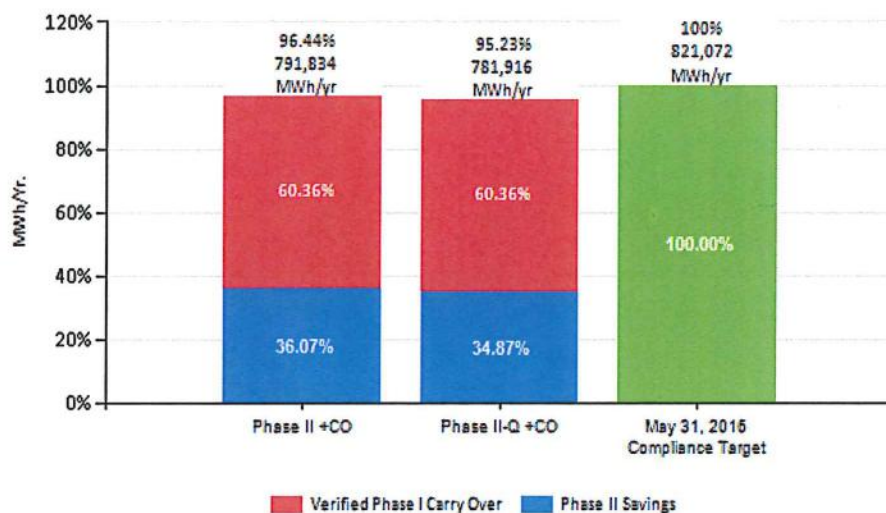
1. The Appliance Recycling Program (ARP) offers customers incentives to have their outdated refrigerators, freezers, and air conditioners recycled.
2. The Continuous Energy Improvement Program provides technical support for schools to develop and implement a Strategic Energy Management Plan.
3. The Custom 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 will 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 approximately 95.2 percent of the May 31, 2016 energy savings compliance target, including Phase 1 Carry Over. Phase II-Q+CO<sup>1</sup> gross energy savings achieved through Quarter 2 are shown in Figure 1-1. Phase II and Phase II-Q<sup>2</sup> are shown as components of Figure 1.

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

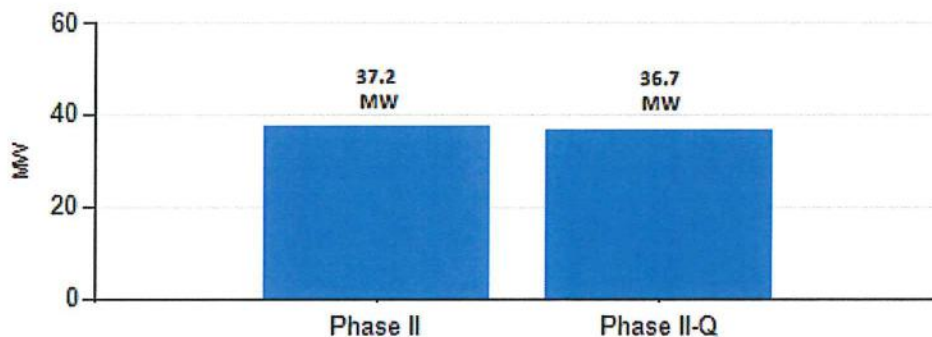


<sup>1</sup> Phase II-Q+CO = Phase II verified gross savings from the beginning of Phase II including verified Carry Over Savings from Phase I + PYTD reported gross savings

<sup>2</sup> Phase II-Q = 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.

PPL Electric has achieved 36.7 MW of demand reduction during PY6 Q2<sup>3</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 comprise 55 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 (8.64 percent).<sup>4</sup> The Phase II reported gross energy savings achieved in the low-income sector is 8,004 MWh/yr. The verified savings from low-income participation in general residential programs in PY5 was 9,053 MWh/yr. These savings total approximately 45 percent of the May 31, 2016 Phase II Low-Income compliance target (36,948 MWh/yr for PPL Electric) based on Phase II-Q savings, as shown in Figure 1-3. Please note that this does not yet include low-income savings from participation in general residential programs for PY6. Those savings will be determined during the impact evaluation and included in the PY6 Final Annual Report on November 15, 2015. Also, carryover savings do not apply since there was no low-income savings compliance target in Phase 1.

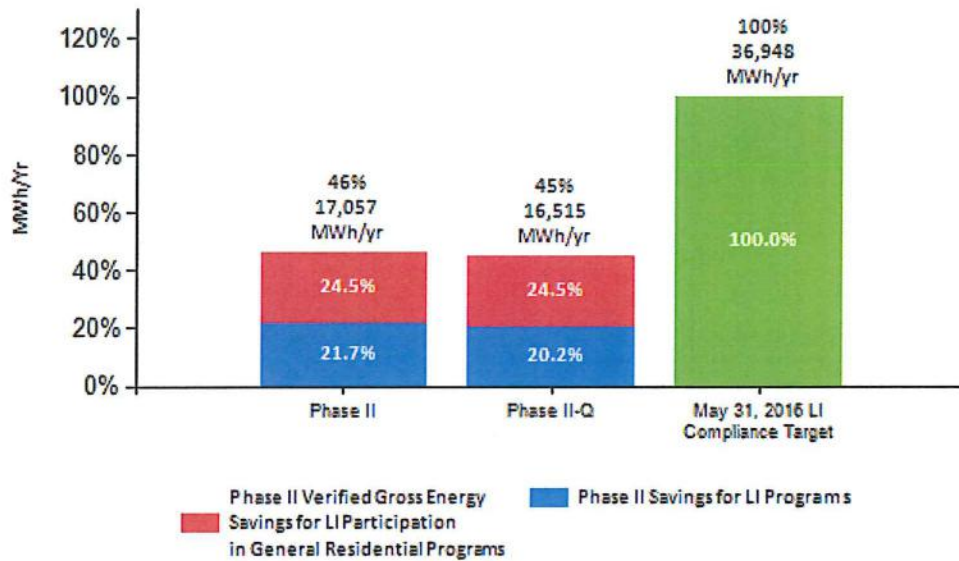
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<sup>3</sup> Unlike Phase I, there is no compliance target for demand reduction in Phase II.

<sup>4</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).



Figure 1-2: Low-Income Sector<sup>5,6</sup>



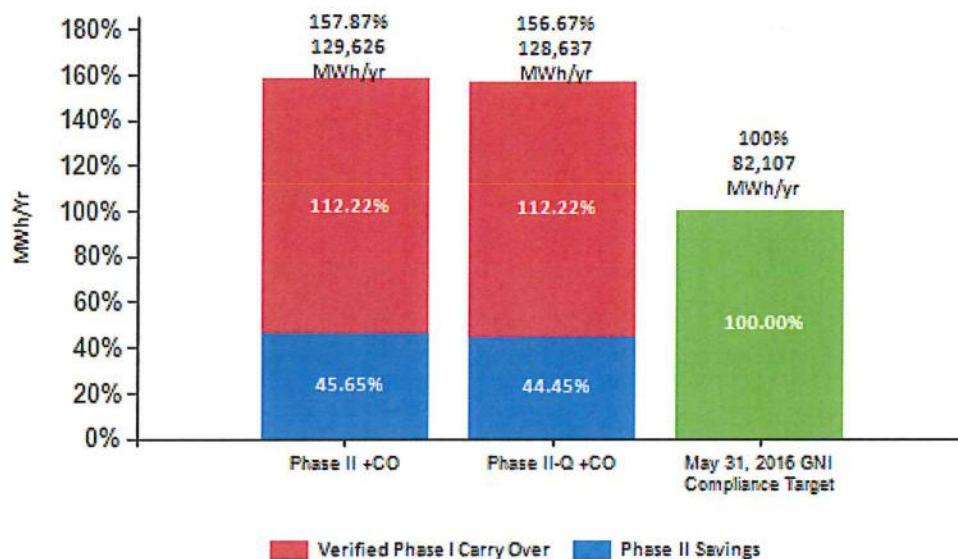
PPL Electric achieved approximately 157 percent of the May 31, 2016 energy reduction compliance target for government, nonprofit and institutional sector, based on Phase II-Q+CO gross energy savings achieved through Quarter 2, as shown in Figure 1-4.

<sup>5</sup> Phase II = Cumulative Program/Portfolio Phase II Inception to Date (Phase II Savings)

<sup>6</sup> Phase II-Q = Phase II verified gross savings from the beginning of Phase II + PYTD reported gross savings



Figure 1-4: Government, Nonprofit, and Institutional Sectors



## 1.2 Program Updates and Findings

- **Appliance Recycling Program:** Program launched in PY5 Q1.
- **Continuous Energy Improvement:** Program will recruit participants in PY5 and savings will not be reported until the end of PY6.
- **Custom Incentive:** Program launched in PY5 Q1. In PY6 the maximum annual incentive increased from \$250,000 to \$500,000. The incentive rate for non-CHP measures was increased from \$0.08 per annual kWh saved to \$0.10. Also, in PY5, projects were required to submit an application before equipment was *installed*, but in PY6 they must do so before *ordering* equipment.
- **E-Power Wise:** Program launched in PY6 Q1. In PY6, the total number of projected kits distributed through the program increased from 2,700 to 3,600.
- **Low-Income Energy-Efficiency Behavior & Education:** Program customer selection and group assignment were finalized and completed in PY6 Q2. Part of the program launched in PY6 Q2, with the remainder scheduled to launch in early PY6 Q3. While no changes were made to the planned savings, the program did increase its participation count from 50,000 customers to 70,000 customers.
- **Low-Income WRAP:** Program launched in PY5 Q1.
- **Master Metered Low-Income Multifamily Housing:** Program launched in PY5 Q1.
- **Prescriptive Equipment:** Added 'NONES-DLC LED BULBS' measure code to EEMIS tracking system. New code covers non-Energy Star, non-DLC LED bulbs that were formerly reported as 'cutsheet'.

- **Residential Energy-Efficiency Behavior & Education:** Program customer selection and group assignment were finalized and completed in PY6 Q2. The bulk of the program launched in PY6 Q2, with the small remainder scheduled to launch in early PY6 Q3.
- **Residential Home Comfort:** Program launched in PY5 Q1.
- **Residential Retail:** Program launched in PY5 Q1. Midstream incentives for televisions were eliminated in January 2014. CFLs are no longer offered as of PY6 Q1. Direct-installation of Smart Strips will be eliminated once existing stock is depleted. Refrigerator rebates are now based on Energy Star tiers.
- **School Benchmarking:** Program launched in PY5 Q1.
- **Student and Parent Energy-Efficiency Education:** Program launched the classroom component via presentations and kit distribution in PY6 Q2. Program also launched the Community in Action parent workshop component.

### 1.3 Evaluation Updates and Findings

This section summarizes evaluation activities occurring within each program during PY6 Q2:

- **Appliance Recycling Program:** Conducted database reconciliation with EEMIS and implementation CSP's tracking data to verify records. No discrepancies found.
- **Continuous Energy Improvement:** There were no evaluation activities for this quarter.
- **Custom Incentive:** Worked with the CSP to refine baselines and SSMVPs for large projects. Conducted pre- and post-installation site visits when possible. Verified three large projects. PY6 Q1 and Q2 small strata projects will be selected in January.
- **E-Power Wise:** Reviewed EEMIS and CSP quarterly data for quality control and verification purposes.
- **Low-Income Energy-Efficiency Behavior & Education:** Completed and presented the PY5 annual process evaluation report. Conducted the random assignments of customers to the treatment and control group.
- **Low-Income WRAP:** Reviewed EEMIS quarterly extract for quality control and verification purposes and calculated preliminary, unweighted realization rates for Q1. Selected samples for Q2 review. Developed IMP for proposed DeFacto fuel-switching measure and developed workbook for PPL EU to use to estimate savings.
- **Master Metered Low-Income Multifamily Housing:** Completed and presented the PY5 annual process and impact evaluation reports. Finalized PY6 sampling and began revising PY6 data collection instruments. Requested and reviewed project data.
- **Prescriptive Equipment:** Reviewed EEMIS and implementer year-to-date data for quality control and verification purposes. For non-lighting projects, requested rebate applications and supporting documents to complete PY6 records review and site visits. For lighting projects, began site visits and verification reviews for PY6 Q1 projects and selected sample for PY6 Q2 reviews.
- **Residential Energy-Efficiency Behavior & Education:** Completed and presented the PY5 annual process evaluation report. Conducted the random assignments of customers to the treatment and control group.

- **Residential Home Comfort:** Conducted records review of PY6 Q1 audit, weatherization, and efficient equipment records for quality control and verification purposes and calculated preliminary, unweighted realization rates for Q1. There were no new construction records to review in EEMIS for Q1. Selected samples for Q2 review.
- **Residential Retail:** Conducted Q1 records reviews. Selected samples for Q2 review. Conducted lighting-manufacturer interviews.
- **School Benchmarking:** No process evaluation activities will be conducted in PY6.
- **Student and Parent Energy-Efficiency Education:** Completed and presented the PY5 annual process and impact reports.

## 2 Summary of Energy Impacts by Program

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

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

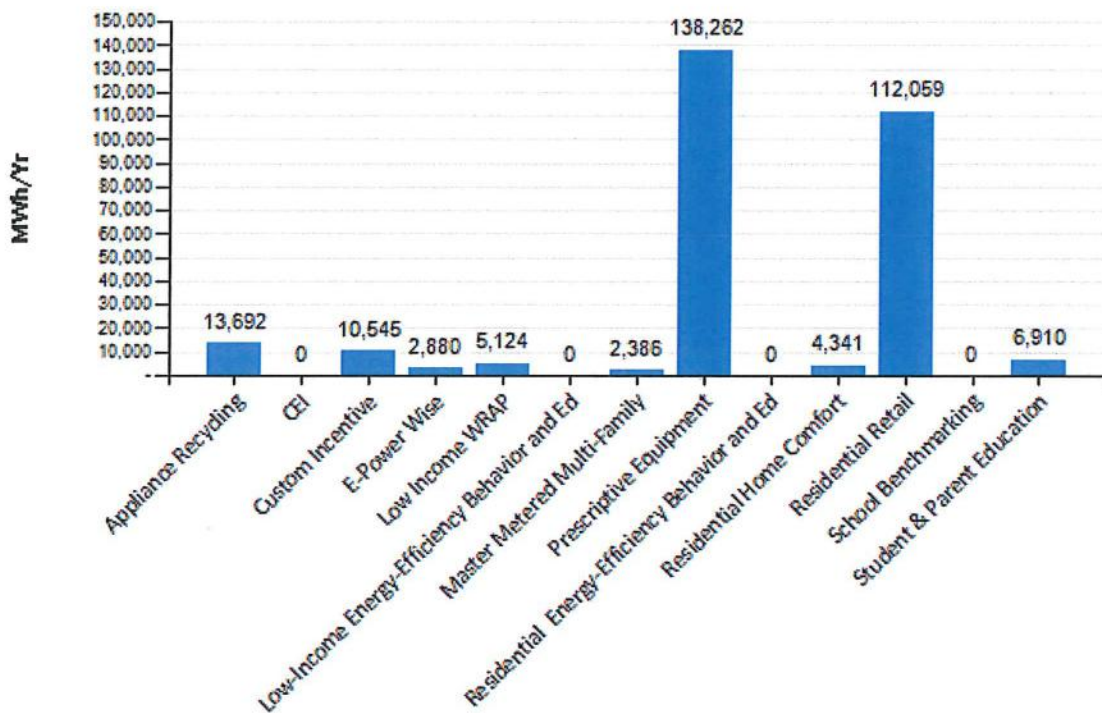
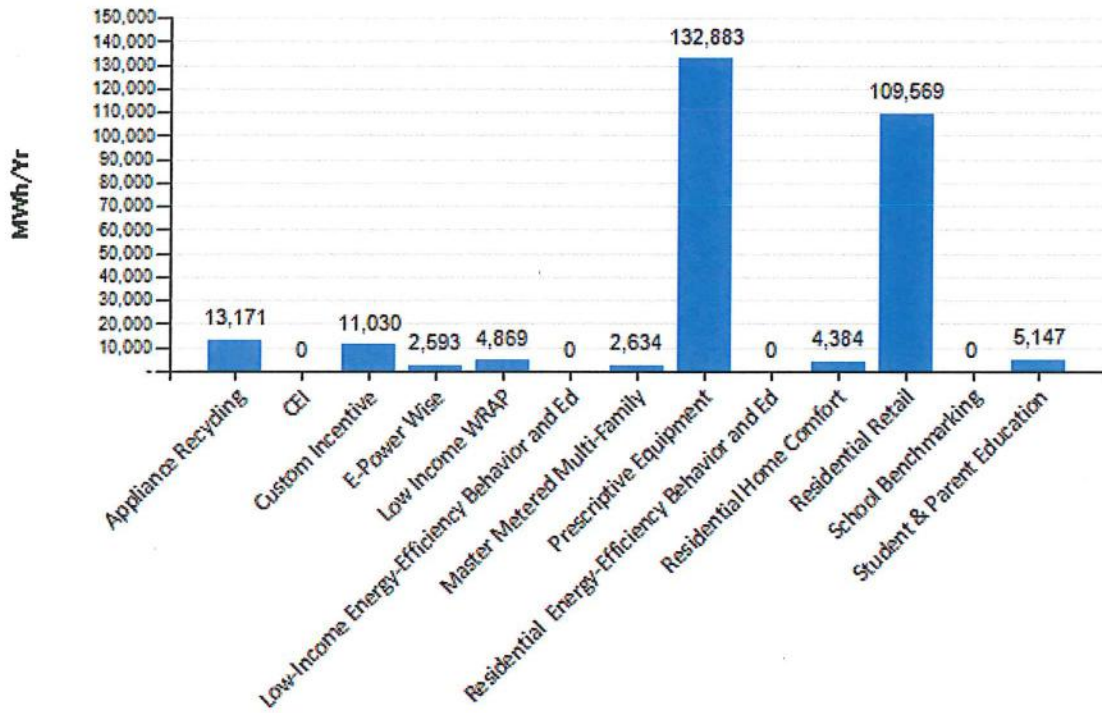


Figure 2-2: Phase II-Q Reported Gross Energy Savings by Program



A summary of energy impacts by program through PY6 Q2 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	2,068	4,654	16,164	1,762	3,916	13,692	13,171
CEI	-	-	-	-	-	-	-
Custom Incentive <sup>[1]</sup>	19	32	88	3,404	5,636	10,545	11,030
E-Power Wise	793	2,283	4,998	453	1,305	2,880 <sup>[4]</sup>	2,593 <sup>[4]</sup>
Low Income WRAP	1,041	1,868	4,659	1,163	2,059	5,124	4,869
Low Income Energy-Efficiency Behavior and Ed	-	-	-	-	-	-	-
Master Metered Multi-Family	10	16	53	339	594	2,386	2,634
Prescriptive Equipment	1,366	2,175	4,523	23,081	51,713	138,262	132,883
Residential Energy-Efficiency Behavior and Ed	-	-	-	-	-	-	-
Residential Home Comfort	984	2,296	4,850	838	1,974	4,341	4,384
Residential Retail <sup>[2]</sup>	32,161	62,576	289,954	9,393	19,255	112,059	109,569
School Benchmarking <sup>[3]</sup>	-	6	28	-	-	-	-
Student & Parent Education	-	-	714	-	-	6,910	5,147
<b>TOTAL PORTFOLIO</b>	<b>38,442</b>	<b>75,906</b>	<b>326,031</b>	<b>40,434</b>	<b>86,454</b>	<b>296,198</b>	<b>286,281</b>
Carry Over Savings from Phase I						495,636	495,636
<b>Total</b>						<b>791,834</b>	<b>781,916</b>
<b>NOTES:</b>							
[1] Beginning in PY6 Q1, the methodology for counting participants for the C&I Custom Incentive program changed. The participant count is now based on the number of jobs contributing to reported savings for the specified period, as opposed to the number of projects created in that period.							
[2] 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 bulb per participant value derived from the most recent residential and commercial customer telephone survey data. The total participant count for this program is comprised of equipment rebate participants, midstream equipment incentive participants, and estimated lighting participants.							
[3] The School Benchmarking program does not claim energy or demand savings.							
[4] Excludes expiring one year measure life savings.							



### 3 Summary of Demand Impacts by Program

A summary of the reported demand reduction by program is presented in Figure and Figure 3-2.

Figure 3-1: Phase II Demand Reduction by Program

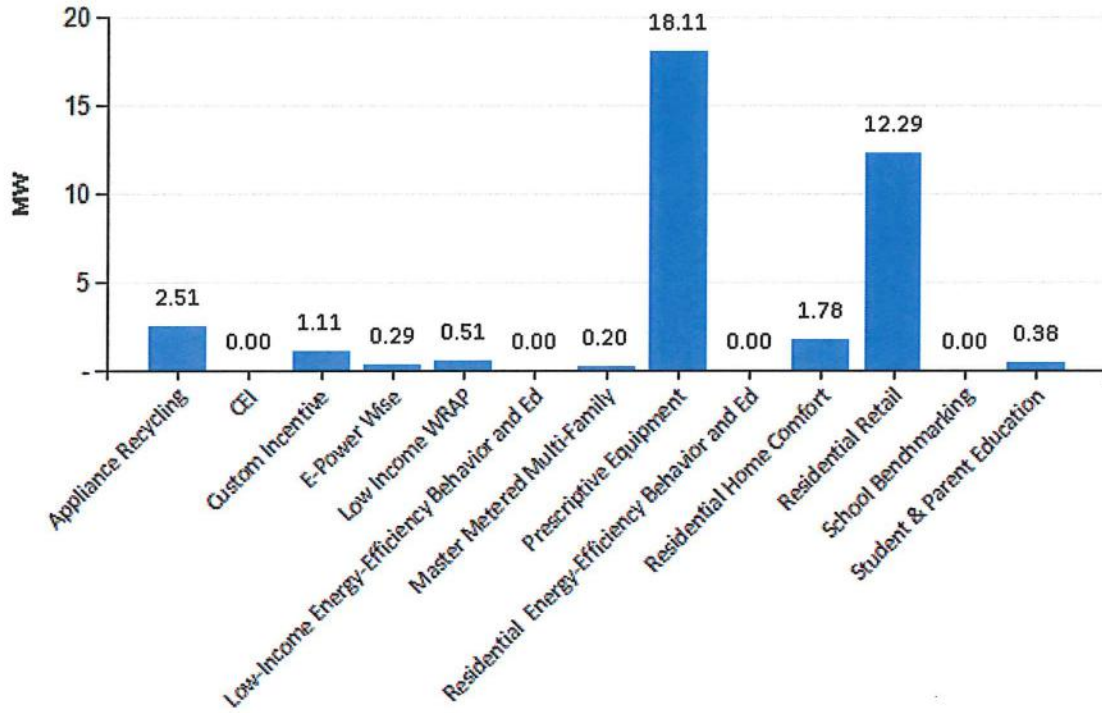
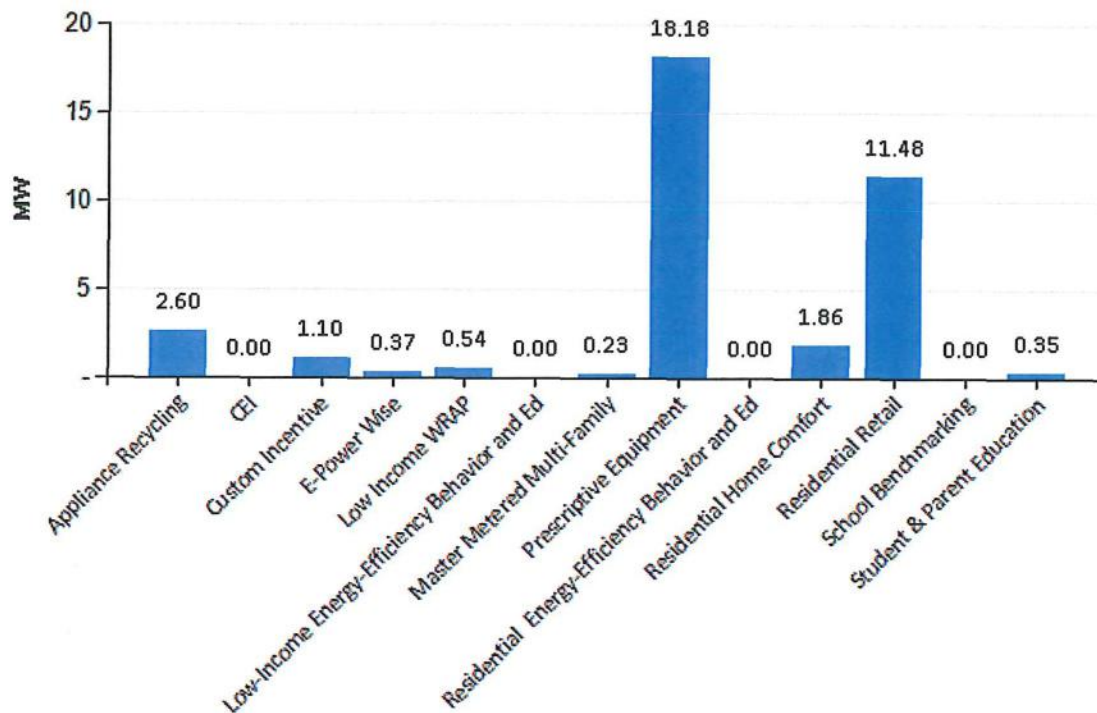


Figure 3-2: Phase II-Q Demand Reduction by Program





A summary of total demand reduction impacts by program through PY6 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 <sup>[5]</sup>
Appliance Recycling	2,068	4,654	16,164	0.34	0.74	2.51	2.60
CEI	-	-	-	-	-	-	-
Custom Incentive <sup>[1]</sup>	19	32	88	0.46	0.61	1.11	1.10
E-Power Wise	793	2,283	4,998	0.06	0.18	0.29 <sup>[4]</sup>	0.37 <sup>[4]</sup>
Low Income WRAP	1,041	1,868	4,659	0.12	0.21	0.51	0.54
Low Income Energy-Efficiency Behavior and Ed	-	-	-	-	-	-	-
Master Metered Multi-Family	10	16	53	0.04	0.07	0.2	0.23
Prescriptive Equipment	1,366	2,175	4,523	2.74	5.6	18.11	18.18
Residential Energy-Efficiency Behavior and Ed	-	-	-	-	-	-	-
Residential Home Comfort	984	2,296	4,850	0.35	0.87	1.78	1.86
Residential Retail <sup>[2]</sup>	32,161	62,576	289,954	1.39	2.55	12.29	11.48
School Benchmarking <sup>[3]</sup>	-	6	28	-	-	-	-
Student & Parent Education	-	-	714	-	-	0.38	0.35
<b>TOTAL PORTFOLIO</b>	<b>38,442</b>	<b>75,906</b>	<b>326,031</b>	<b>5.49</b>	<b>10.83</b>	<b>37.2</b>	<b>36.70</b>
<b>NOTES</b>							
[1] Beginning in PY6 Q1, the methodology for counting participants for the C&I Custom Incentive program changed. The participant count is now based on the number of jobs contributing to reported savings for the specified period, as opposed to the number of projects created in that period.							
[2] 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 bulb-per-participant value derived from the most recent residential and commercial customer telephone survey data. The total participant count for this program is comprised of equipment-rebate participants, midstream equipment-incentive participants, and estimated lighting participants.							
[3] The School Benchmarking program does not claim energy or demand savings.							
[4] Excludes expiring one year measure life savings.							
[5] The verified gross demand reductions from PY5 included in Phase II Q include adjustments to account for T&D losses.							

## 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	\$7,081	\$12,855	\$23,665
<b>Subtotal EDC Incentive Costs</b>	<b>\$7,081</b>	<b>\$12,855</b>	<b>\$23,665</b>
Administration, Management and Technical Assistance <sup>[1]</sup>	\$7,896	\$12,943	\$31,914
Design & Development	\$29	\$32	\$1,400
Marketing	\$735	\$1,689	\$5,889
<b>Subtotal EDC Implementation Costs</b>	<b>\$8,660</b>	<b>\$14,664</b>	<b>\$39,203</b>
EDC Evaluation Costs	\$1,627	\$2,355	\$4,093
SWE Audit Costs	\$450	\$700	\$1,450
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$17,818</b>	<b>\$30,574</b>	<b>\$68,412</b>
Participant Costs <sup>[3]</sup>	N/A	N/A	N/A
<b>Total TRC Costs<sup>[4]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>NOTES:</b>			
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.			
[1] Includes 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.			
[2] 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.			
[3] Per the 2013 Total Resource Cost Test Order – Net participant costs; in PA, the costs of the end-use customer.			
[4] Total TRC Costs = Total EDC Costs + Participant Costs.			

## 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	\$85	\$194	\$623
<b>Subtotal EDC Incentive Costs</b>	<b>\$85</b>	<b>\$194</b>	<b>\$623</b>
Administration, Management and Technical Assistance <sup>[1]</sup>	\$227	\$587	\$1,834
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$227</b>	<b>\$587</b>	<b>\$1,834</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$312</b>	<b>\$780</b>	<b>\$2,457</b>
Participant Costs <sup>[3]</sup>	N/A	N/A	N/A
<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>			
[1] Includes direct program administration and clerical costs, EDC program management, CSP program management and technical assistance. Excludes portfolio common costs.			
[2] 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.			
[3] Per the 2013 Total Resource Cost Test Order – Net participant costs, in PA, the costs of the end-use customer.			
[4] Total TRC Costs = Total EDC Costs + Participant Costs.			

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

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
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>
Administration, Management and Technical Assistance <sup>[1]</sup>	\$27	\$120	\$340
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$27</b>	<b>\$120</b>	<b>\$340</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$27</b>	<b>\$120</b>	<b>\$340</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>			
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.			
[1] Includes direct program administration and clerical costs, EDC program management, CSP program management and technical assistance. Excludes portfolio common costs.			
[2] 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.			
[3] 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.			
[4] 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**

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$279	\$334	\$602
<b>Subtotal EDC Incentive Costs</b>	<b>\$279</b>	<b>\$334</b>	<b>\$602</b>
Administration, Management and Technical Assistance <sup>[1]</sup>	\$363	\$676	\$1,379
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$363</b>	<b>\$676</b>	<b>\$1,379</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$642</b>	<b>\$1,011</b>	<b>\$1,981</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>			
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.			
[1] Includes direct program administration and clerical costs, EDC program management, CSP program management and technical assistance. Excludes portfolio common costs.			
[2] 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.			
[3] 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 PYS Final Annual Report.			
[4] Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PYS Final Annual Report.			

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

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
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>
Administration, Management and Technical Assistance <sup>[2]</sup>	\$159	\$247	\$507
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$159</b>	<b>\$247</b>	<b>\$507</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[3]</sup></b>	<b>\$159</b>	<b>\$247</b>	<b>\$507</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>			
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.			
[1] 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.			
[2] Includes direct program administration and clerical costs, EDC program management, CSP program management and technical assistance. Excludes portfolio common costs.			
[3] 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.			
[4] 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 PY6 Final Annual Report.			
[5] Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY6 Final Annual Report.			

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

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
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>
Administration, Management and Technical Assistance <sup>[1]</sup>	\$155	\$229	\$497
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$155</b>	<b>\$229</b>	<b>\$497</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$155</b>	<b>\$229</b>	<b>\$497</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>			
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.			
[1] Includes direct program administration and clerical costs, EDC program management, CSP program management and technical assistance. Excludes portfolio common costs.			
[2] 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.			
[3] 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.			
[4] 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**

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
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>
Administration, Management and Technical Assistance <sup>[2]</sup>	\$2,195	\$3,410	\$6,800
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$2,195</b>	<b>\$3,410</b>	<b>\$6,800</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[3]</sup></b>	<b>\$2,195</b>	<b>\$3,410</b>	<b>\$6,800</b>
Participant Costs <sup>[4]</sup>	N/A	N/A	N/A
<b>Total TRC Costs<sup>[5]</sup></b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<p><b>NOTES:</b>                      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.</p> <p>[1] 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.</p> <p>[2] Includes direct program administration and clerical costs, EDC program management, CSP program management and technical assistance. Excludes portfolio common costs.</p> <p>[3] 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.</p> <p>[4] 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.</p> <p>[5] Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PYS Final Annual Report.</p>			

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

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$44	\$90	\$319
<b>Subtotal EDC Incentive Costs</b>	<b>\$44</b>	<b>\$90</b>	<b>\$319</b>
Administration, Management and Technical Assistance <sup>(1)</sup>	\$99	\$211	\$729
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$99</b>	<b>\$211</b>	<b>\$729</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>(2)</sup></b>	<b>\$143</b>	<b>\$301</b>	<b>\$1,048</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>			
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.			
(1) Includes direct program administration and clerical costs, EDC program management, CSP program management and technical assistance. Excludes portfolio common costs.			
(2) 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.			
(3) 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 PYS Final Annual Report.			
(4) Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PYS Final Annual Report.			

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

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$5,833	\$10,216	\$17,077
<b>Subtotal EDC Incentive Costs</b>	<b>\$5,833</b>	<b>\$10,216</b>	<b>\$17,077</b>
Administration, Management and Technical Assistance <sup>[1]</sup>	\$1,468	\$2,275	\$5,829
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$1,468</b>	<b>\$2,275</b>	<b>\$5,829</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$7,301</b>	<b>\$12,491</b>	<b>\$22,906</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>			
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.			
[1] Includes direct program administration and clerical costs, EDC program management, CSP program management and technical assistance. Excludes portfolio common costs.			
[2] 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.			
[3] 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.			
[4] 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**

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
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>
Administration, Management and Technical Assistance <sup>[1]</sup>	\$134	\$237	\$946
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$134</b>	<b>\$237</b>	<b>\$946</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$134</b>	<b>\$237</b>	<b>\$946</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>			
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.			
[1] Includes direct program administration and clerical costs, EDC program management, CSP program management and technical assistance. Excludes portfolio common costs.			
[2] 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.			
[3] 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 PYS Final Annual Report.			
[4] Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PYS Final Annual Report.			

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

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$190	\$429	\$846
<b>Subtotal EDC Incentive Costs</b>	<b>\$190</b>	<b>\$429</b>	<b>\$846</b>
Administration, Management and Technical Assistance <sup>[1]</sup>	\$314	\$668	\$1,439
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$314</b>	<b>\$668</b>	<b>\$1,439</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$503</b>	<b>\$1,097</b>	<b>\$2,285</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>			
[1] Includes direct program administration and clerical costs, EDC program management, CSP program management and technical assistance. Excludes portfolio common costs.			
[2] 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.			
[3] 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 PYS Final Annual Report.			
[4] Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PYS Final Annual Report.			

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

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$649	\$1,591	\$4,198
<b>Subtotal EDC Incentive Costs</b>	<b>\$649</b>	<b>\$1,591</b>	<b>\$4,198</b>
Administration, Management and Technical Assistance <sup>[1]</sup>	\$686	\$1,401	\$4,022
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$686</b>	<b>\$1,401</b>	<b>\$4,022</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$1,335</b>	<b>\$2,993</b>	<b>\$8,220</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>			
[1] Includes direct program administration and clerical costs: EDC program management, CSP program management and technical assistance. Excludes portfolio common costs.			
[2] 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.			
[3] 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.			
[4] 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**

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
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>
Administration, Management and Technical Assistance <sup>[1]</sup>	\$36	\$78	\$229
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$36</b>	<b>\$78</b>	<b>\$229</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>[2]</sup></b>	<b>\$36</b>	<b>\$78</b>	<b>\$229</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>			
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.			
[1] Includes direct program administration and clerical costs, EDC program management, CSP program management and technical assistance. Excludes portfolio common costs.			
[2] 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.			
[3] 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.			
[4] 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**

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
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>
Administration, Management and Technical Assistance <sup>(2)</sup>	\$1,377	\$1,696	\$2,858
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
<b>Subtotal EDC Implementation Costs</b>	<b>\$1,377</b>	<b>\$1,696</b>	<b>\$2,858</b>
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
<b>Total EDC Costs<sup>(3)</sup></b>	<b>\$1,377</b>	<b>\$1,696</b>	<b>\$2,858</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>			
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.			
(1) 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.			
(2) Includes direct program administration and clerical costs; EDC program management; CSP program management and technical assistance. Excludes portfolio common costs.			
(3) 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.			
(4) 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 PYS Final Annual Report.			
(5) Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PYS Final Annual Report.			

## Quarterly Report Terms

