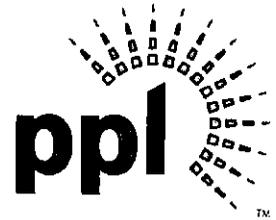


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July 14, 2016

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FEDERAL EXPRESS

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street
Harrisburg, Pennsylvania 17120

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

Re: Quarterly Process Evaluation Report for the Period March 2016 through May 2016, Program Year Seven (7), Quarter Four (4) of PPL Electric Utilities Corporation's Act 129 Plan Docket No. M-2012-2334388

Dear Ms. Chiavetta:

Enclosed on behalf of PPL Electric Utilities Corporation ("PPL Electric") is the Quarterly Process Evaluation Report for Program Year Seven (7), Quarter Four (4) of PPL Electric's Act 129 Plan.

Pursuant to 52 Pa. Code § 1.11, the enclosed document is to be deemed filed on July 14, 2016, which is the date it was deposited with an overnight express delivery service as shown on the delivery receipt attached to the mailing envelope.

In addition, please date and time-stamp the enclosed extra copy of this letter and return it to me in the envelope provided.

Respectfully submitted,


Kimberly A. Klock

Enclosure

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

Quarterly Report to the Pennsylvania Public Utility Commission

**For the Period
March 2016 through May 2016
Program Year 7, Quarter 4**

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PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

**For Pennsylvania Act 129 of 2008
Energy Efficiency and Conservation Plan**

Prepared by The Cadmus Group, Inc.

For

PPL Electric

July 15, 2016

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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
GNE	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 fourth quarter of Program Year 7 (PY7), defined as March 1, 2016 through May 31, 2016, 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 were reported in the annual report, filed November 15, 2015.

In the fourth quarter of PY7, PPL Electric's portfolio included 13 programs:

1. The Appliance Recycling Program (ARP) offered customers incentives to have their outdated refrigerators, freezers, and air conditioners recycled. This program was not active in PY7 Q4 because in PY7 Q2, the implementation CSP, JACO Environmental, ceased operations.
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. Beginning in PY6 Q1, the methodology for counting participants for this program changed. The participant count is now the number of projects contributing to reported savings for the specified period (as opposed to the number of projects created in that period).
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. The participant count for this program includes customers who received at least one Home Energy Report and is not adjusted for opt-outs or those whose accounts became inactive.
6. The Winter Relief Assistance Program (WRAP) provides weatherization to low-income customers using Act 129 funding to expand PPL Electric's 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. This program has a wait list in PY7 and PPL Electric is not accepting new applications.

8. The Master Metered 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 home energy reports showing their energy use, comparing their usage to similar customers, and providing energy savings tips. The participant count for this program includes customers who received at least one Home Energy Report and is not adjusted for opt-outs or those whose accounts became inactive.
10. The Residential Home Comfort Program offers energy-saving measures and rebates for new construction and existing homes.
11. The Residential Retail Program offers rebates and upstream incentives for energy-efficiency products found in retail stores. Exact participation in the upstream lighting component is not known. The EM&V CSP estimates 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 (midstream incentives were discontinued during PY5), and estimated lighting participants.
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. Beginning in PY6 Q3, the methodology for counting participants for this program changed. The participant count is now the number of kits distributed, instead of the previously-reported number of classrooms. This change was applied to data for all of Phase II.

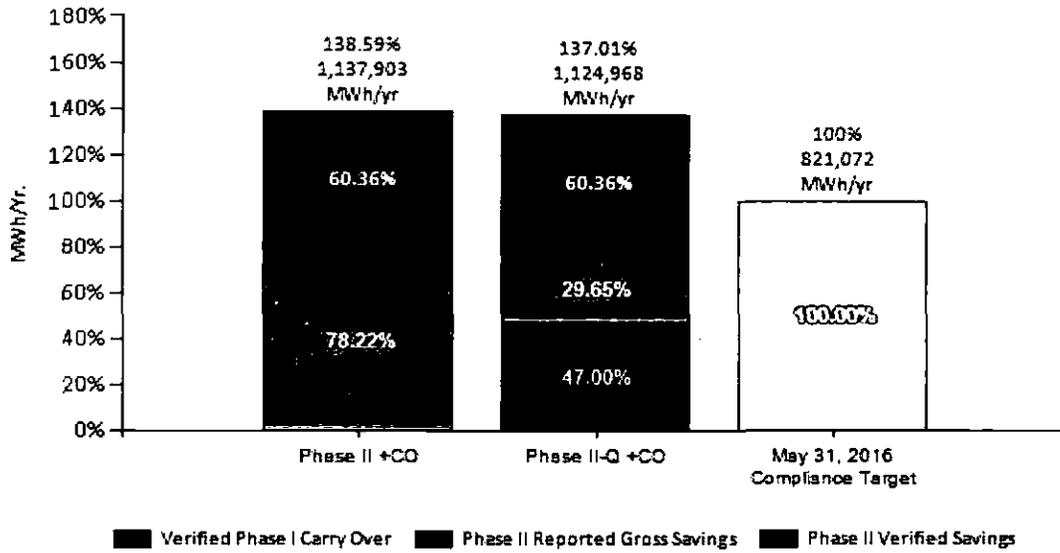
1.1 Summary of Achievements

PPL Electric has achieved approximately 137 percent of the May 31, 2016 energy savings compliance target, including Phase I Carry Over. Phase II-Q+CO¹ gross energy savings achieved through Quarter 4 are shown in Figure 1-1. Phase II and Phase II-Q² are shown as components of Figure 1-1.

¹ 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. See the 'Quarterly Report Terms' graphic and the end of this report for more information.

² 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. See the 'Quarterly Report Terms' graphic and the end of this report for more information.

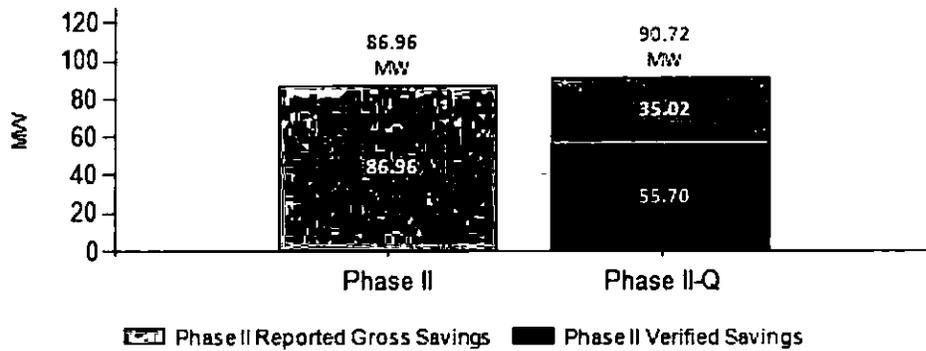
Figure 1-1: Cumulative Portfolio Phase II Inception to Date (Phase II) Energy Impacts



PPL Electric achieved 90.72 MW of demand reduction as of PY7 Q4.³

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

Figure 1-2: Phase II Portfolio Demand Reduction

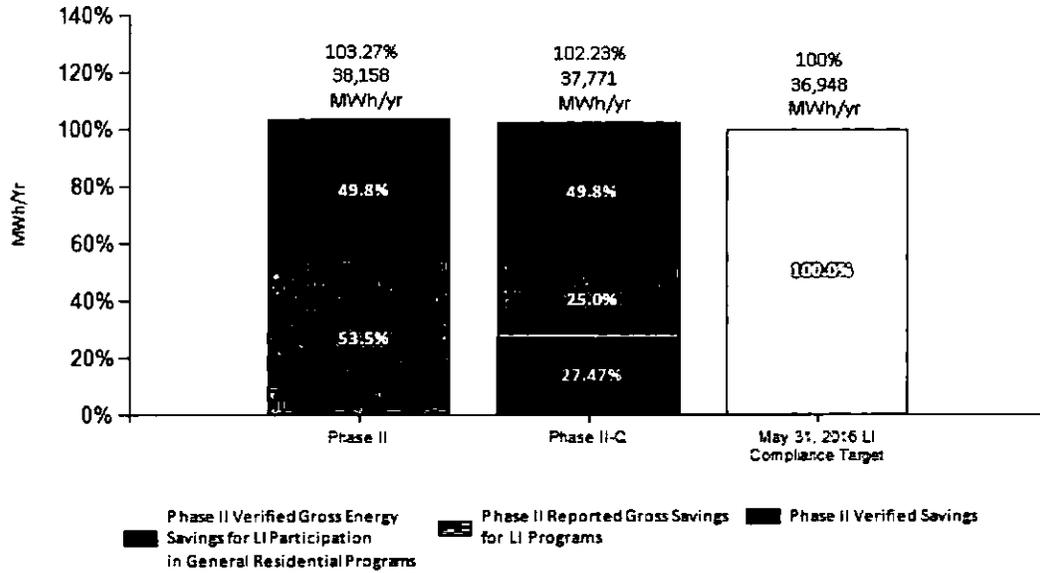


There are 61 measures available to the low-income sector at no cost to the customer. These measures offered to the low-income sector comprise 46 percent of the total measures offered during Phase II. As required by the Phase II goal, this exceeds the fraction of the electric consumption of the utility’s low-income households divided by the total electricity consumption in the PPL Electric territory (9.95 percent).⁴

The Phase II-Q reported gross energy savings achieved in the low-income sector is 19,387 MWh/yr. The verified savings from low-income participation in general residential programs during PY5 and PY6, after adjustment for expiring savings, is 18,384 MWh/yr. These savings total approximately 102 percent of the May 31, 2016 Phase II Low-Income compliance target (36,948 MWh/yr for PPL Electric) based on verified savings and the Phase II-Q savings, as shown in Figure 1-3. Please note that carryover savings do not apply since there was no low-income savings compliance target in Phase I.

⁴ 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). The Phase II Evaluation Framework updated percentages of total energy use by low income households based on 2010 Census data. Section I-2, Table I-9.

Figure 1-3: Low-Income Sector^{5,6}

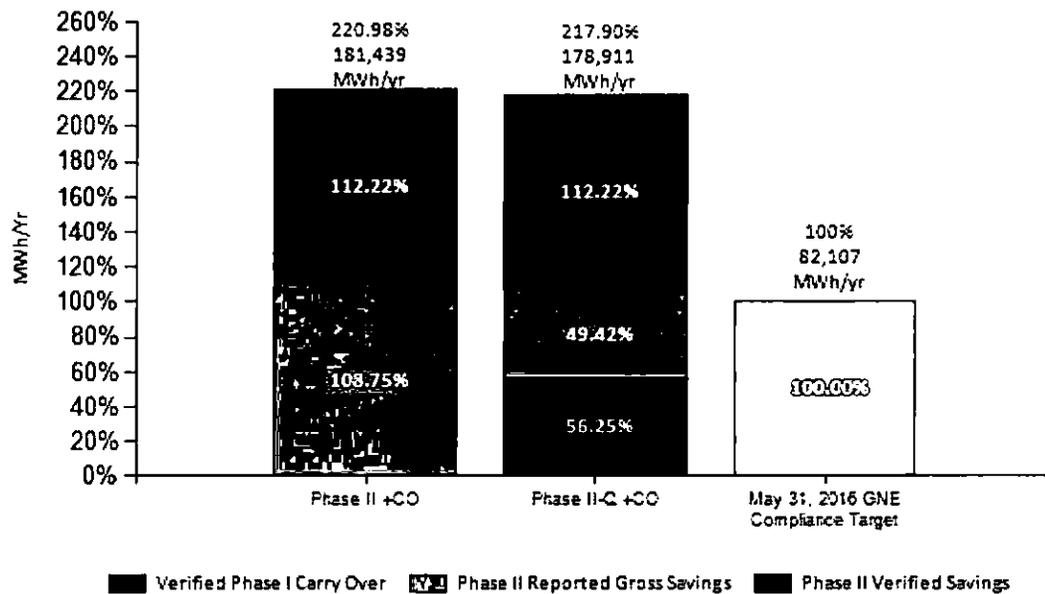


PPL Electric achieved approximately 218 percent of the May 31, 2016 energy reduction compliance target for government, nonprofit and institutional sector, based on prior verified savings and Phase II-Q+CO gross energy savings achieved through Quarter 4, as shown in Figure 1-4.

⁵ Phase II = Cumulative Program/Portfolio Phase II Inception to Date (Phase II Savings). See the 'Quarterly Report Terms' graphic and the end of this report for more information.

⁶ Phase II-Q = Phase II verified gross savings from the beginning of Phase II + PYTD reported gross savings. See the 'Quarterly Report Terms' graphic and the end of this report for more information.

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



1.2 Program Updates and Findings

- **Appliance Recycling Program:** No program activity during PY7 Q4.
- **Continuous Energy Improvement:** In PY7, the eight participating school districts expanded CEI to include a total of forty-five schools within the eight districts.
- **Custom Incentive:** New applications continue to be processed for projects installed prior to the end of the program year (May 31, 2016). Waitlisted projects are being approved for incentives to meet program year goals. Some waitlisted projects that had already been verified are being taken off the waitlist and are receiving incentives. Ongoing projects that were reserved in Phase II but could not be verified before the end of the program year (May 31, 2016) are given until September 30, 2016 to complete installation. If projects reserved during Phase II are installed by the September deadline, it is the EM&V CSP's understanding that the savings will fall under Program Year 8 (Phase III), but the incentive will be paid using Phase II rates. Previously reserved projects installed after that deadline are expected to receive an incentive under Phase III rates.
- **E-Power Wise:** No program changes or updates in PY7 Q4.
- **Low-Income Energy-Efficiency Behavior & Education:** The program continued delivering home energy reports as scheduled through PY7 Q4.
- **Low-Income WRAP:** The program continued providing WRAP jobs to customers through PY7 Q4.
- **Master Metered Multifamily Housing:** The program continued with retrofits in multifamily and nursing homes through PY7 Q4.
- **Prescriptive Equipment:** No program changes in PY7 Q4.
- **Residential Energy-Efficiency Behavior & Education:** The program ceased delivery of the home energy reports to all participants (treatment group customers) at the end of PY7 Q2. No home

energy reports were delivered for the remainder of the program year due to the program's very strong savings in PY6 and forecasted savings for PY7.

- **Residential Home Comfort:** No program changes in PY7 Q4.
- **Residential Retail:** In PY7 Q4, the program reported savings from an additional 3,000 bulbs mailed to participants in the Low-Income Energy-Efficiency Behavior & Education program. These 92 MWh of savings were assigned to the low-income sector.
- **School Benchmarking:** No program updates in PY7 Q4.
- **Student and Parent Energy-Efficiency Education:** No changes to planned program delivery in PY7 Q4.

1.3 Evaluation Updates and Findings

This section summarizes evaluation activities occurring within each program during PY7 Q4:

- **Appliance Recycling Program:** The EM&V CSP submitted PY7 evaluation results and draft annual report to PPL Electric for review.
- **Continuous Energy Improvement:** The EM&V CSP completed surveys with participants in PY7 Q4.
- **Custom Incentive:** The EM&V CSP worked with the Implementation CSP to refine baselines and SSMVPs for large projects. Conducted pre- and post-installation site visits when required. Verified four large projects. Completed SSMVPs for ten small projects included in the selected sample. The EM&V CSP completed participant surveys during PY7 Q4.
- **E-Power Wise:** Review of all records concluded for PY7 Q3. Review of Q4 records commenced.
- **Low-Income Energy-Efficiency Behavior & Education:** The EM&V CSP completed customer surveys with treatment and control group during PY7 Q4. The EM&V CSP also submitted a data request to the CSP to obtain customers' billing data for the full program year.
- **Low-Income WRAP:** The EM&V CSP submitted a data request for Q4 baseload, low-cost, and full-cost records for verification, and is currently finalizing analysis on savings verified through PY7 Q3.
- **Master Metered Multifamily Housing:** The EM&V CSP completed verification on 15 multifamily and nursing home projects completed in PY7 Q1 and Q2. The EM&V CSP performed records review of PY7 Q3 and Q4 completed projects and selected a sample of four projects from these two quarters for verification. The EM&V CSP is currently performing verification site visits in the sampled PY7 Q3 and Q4 projects with analysis and final reporting expected to be completed in July.
- **Prescriptive Equipment:** The EM&V CSP conducted records review for the sample of PY7 Q3 equipment records. The EM&V CSP also selected the Q3 impact evaluation sample of 11 lighting projects and began site visits. Eight site visits have been completed, and three site visits remain to be scheduled. The EM&V CSP completed participant surveys during PY7 Q4. The EM&V CSP is reviewing the Q4 lighting data; this will lead to a decision on whether to conduct additional site visits.
- **Residential Energy-Efficiency Behavior & Education:** The EM&V CSP submitted a data request to the CSP to obtain customers' billing data for the full program year.

- **Residential Home Comfort:** The EM&V CSP conducted a records review of PY7 Q3 audit, weatherization, and efficient equipment records for quality control and verification purposes and calculated preliminary, unweighted realization rates for Q3. The EM&V CSP selected samples for Q4 review, and reviewed new construction rebates to ensure UDRH file captured baseline conditions correctly.
- **Residential Retail:** The EM&V CSP selected a sample of PY7 Q3 equipment records for review, and conducted an audit of PY7 Q3 upstream lighting records. The EM&V CSP also computed an estimate of the average number of LEDs purchased per customer, based on the PY7 general population survey. This metric is used to estimate the number of participants in the upstream lighting component of the program.
- **School Benchmarking:** The School Benchmarking program does not claim energy or demand savings. The EM&V CSP and PPL determined that no additional process evaluation activities would be conducted in PY6 or PY7.
- **Student and Parent Energy-Efficiency Education:** The EM&V CSP drafted the PY7 report.

2 Summary of Energy Impacts by Program

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

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

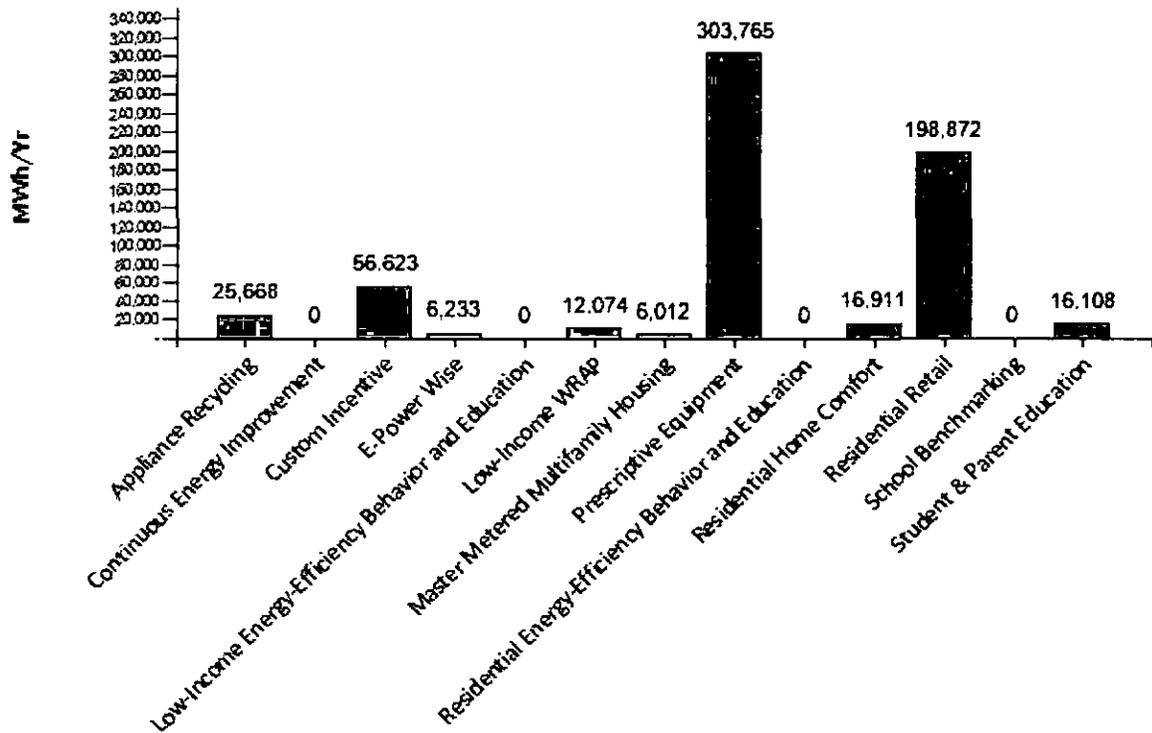
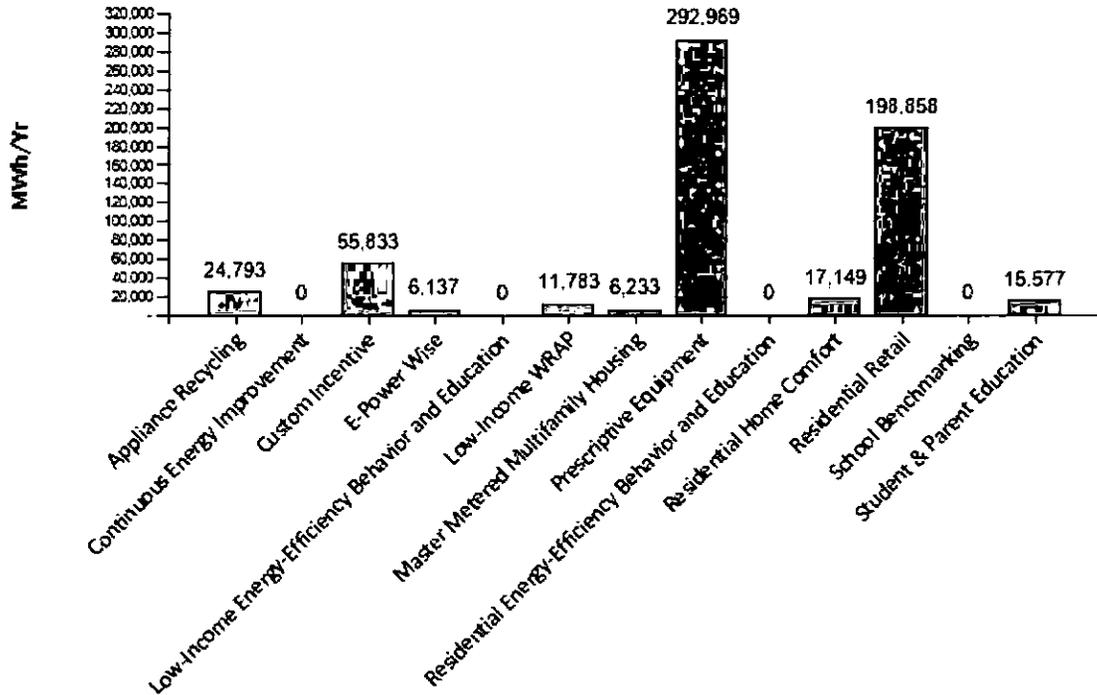


Figure 2-2: Phase II-Q Reported Gross Energy Savings by Program



A summary of energy impacts by program through PY7 Q4 is presented in Table 2-1.

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

Program	Participants ^[1]			Reported Gross Impact (MWh/Year)			
	IQ	PYTD	Phase II	IQ	PYTD	Phase II ^[2]	Phase II-Q ^[2]
Appliance Recycling		7,200	26,784	-	9,100	25,668	24,793
Continuous Energy Improvement ^[3]	-	-	-	-	-	-	-
Custom Incentive ^[4]	17	80	205	10,344	28,545	56,623	55,833
E-Power Wise	851	5,119	11,436	552	3,321	6,233	6,137
Low-Income Energy-Efficiency Behavior and Education ^[3]	-	-	-	-	-	-	-
Low-Income WRAP ^[5]	298	3,422	10,261	477	4,448	12,074	11,783
Master Metered Multifamily Housing	5	55	141	1,005	2,652	6,012	6,233
Prescriptive Equipment	490	1,569	7,611	28,549	122,551	303,765	292,969
Residential Energy-Efficiency Behavior and Education ^[3]	-	-	-	-	-	-	-
Residential Home Comfort	1,152	7,344	14,167	1,968	10,656	16,911	17,149

Program	Participants ^[1]			Reported Gross Impact (MWh/Year)			
	IQ	PYTD	Phase II	IQ	PYTD	Phase II ^[2]	Phase II-Q ^[2]
Residential Retail ^[4]	28,261	163,647	562,141	9,761	57,081	198,872	198,858
School Benchmarking ^[6]		18	55	-	-	-	-
Student & Parent Education ^[4]	118	25,085	67,732	14	5,054	16,108	15,577
TOTAL PORTFOLIO^[5]	31,192	213,539	700,533	52,670	243,408	642,267	629,332
Carry Over Savings from Phase I						495,636	495,636
Total^[7]				-	-	1,137,903	1,124,968

NOTES:
 [1] Participation counts are the number of jobs, except where noted otherwise.
 [2] Excludes expired savings from one-year measures.
 [3] Savings from PY6 expired as of PY7 Q4; savings from PY7 will be reported in the PY7 annual report.
 [4] See program summary in the Overview of Portfolio section for details regarding the methodology for counting participants.
 [5] Savings from the Wise Manufactured Homes and De Facto Heating subprograms will be included in the Low Income WRAP program savings in the PY7 annual report.
 [6] The School Benchmarking program does not claim energy or demand savings.
 [7] Column totals may differ slightly from the sum of rows due to rounding.

3 Summary of Demand Impacts by Program

A summary of the reported demand reduction by program for Phase II is presented in Figure 3-1 and Figure 3-2.

Figure 3-1: Phase II Demand Reduction by Program

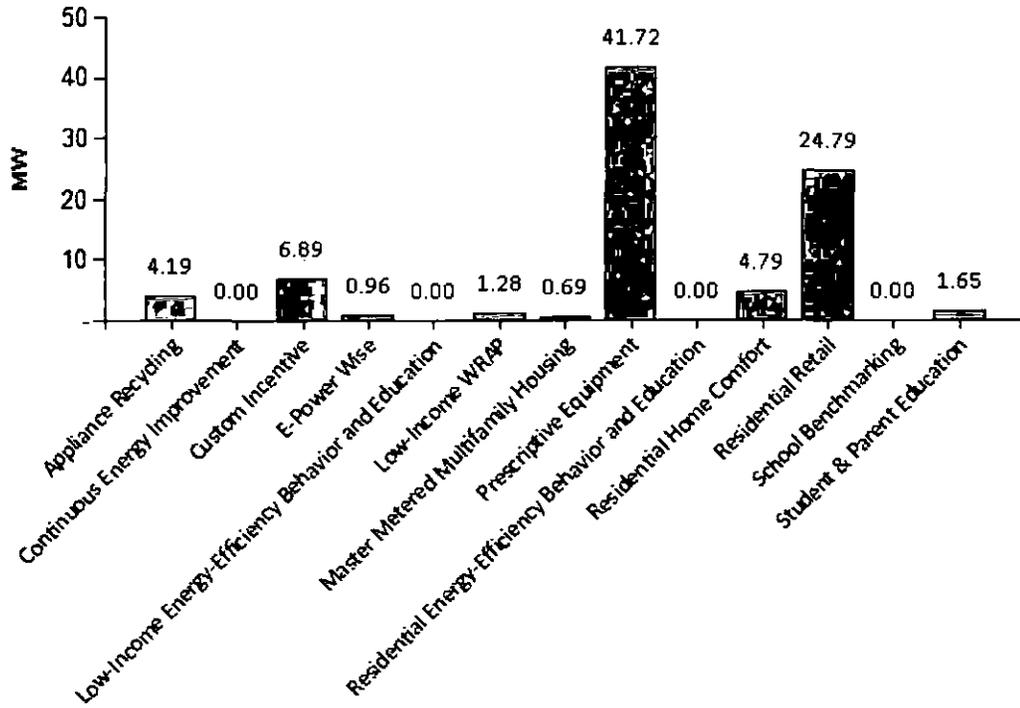
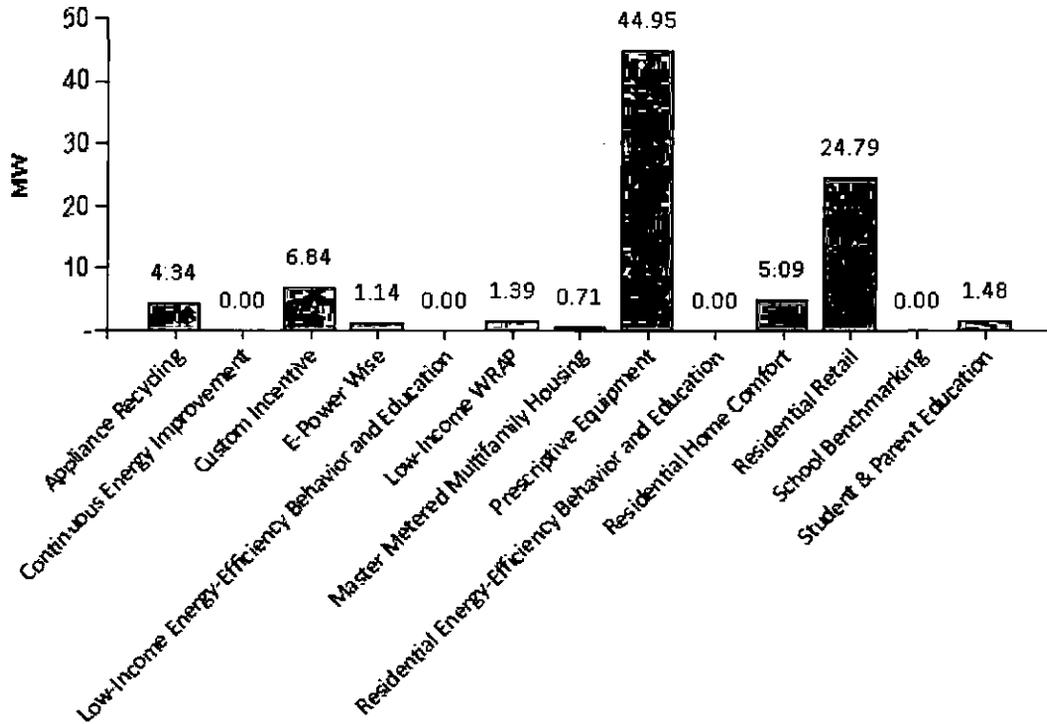


Figure 3-2: Phase II-Q Demand Reduction by Program



A summary of total demand reduction impacts by program through PY7 Q4 is presented in Table 3-1.

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

Program	Participants			Reported Gross Impact (MW)			
	IQ	PYTD	Phase II	IQ	PYTD	Phase II ^[3]	Phase II-Q ^[5]
Appliance Recycling		7,200	26,784	-	1.19	4.19	4.34
Continuous Energy Improvement ^[3]	-	-	-	-	-	-	-
Custom Incentive ^[4]	17	80	205	1.08	3.79	6.89	6.84
E-Power Wise	851	5,119	11,436	0.11	0.66	0.96	1.14
Low-Income Energy-Efficiency Behavior and Education ^[3]	-	-	-	-	-	-	-
Low-Income WRAP ^[5]	298	3,422	10,261	0.05	0.50	1.28	1.39
Master Metered Multifamily Housing	5	55	141	0.21	0.39	0.69	0.71
Prescriptive Equipment	490	1,569	7,611	4.30	17.37	41.72	44.95
Residential Energy-Efficiency Behavior and Education ^[3]	-	-	-	-	-	-	-
Residential Home Comfort	1,152	7,344	14,167	0.33	2.35	4.79	5.09
Residential Retail ^[4]	28,261	163,647	562,141	1.38	8.11	24.79	24.79
School Benchmarking ^[6]		18	55	-	-	-	-
Student & Parent Education ^[4]	118	25,085	67,732	0.00	0.66	1.65	1.48
TOTAL PORTFOLIO^[7]	31,192	213,539	700,533	7.46	35.02	86.96	90.72
NOTES:							
[1] Participation counts are the number of jobs, except where noted otherwise.							
[2] Excludes expired savings from one-year measures.							
[3] Savings from PY6 expired as of PY7 Q4; savings from PY7 will be reported in the PY7 annual report.							
[4] See program summary in the Overview of Portfolio section for details regarding the methodology for counting participants.							
[5] Savings from the Wise Manufactured Homes and De Facto Heating subprograms will be included in the Low Income WRAP program in the PY7 annual report.							
[6] The School Benchmarking program does not claim energy or demand savings.							
[7] Column totals may differ slightly from the sum of rows due to rounding.							

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 Finances¹

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$5,927	\$28,693	\$64,135
Subtotal EDC Incentive Costs	\$5,927	\$28,693	\$64,135
Administration, Management and Technical Assistance ²	\$3,996	\$26,190	\$71,394
Design & Development	\$4	\$43	\$1,493
Marketing	\$123	\$865	\$8,034
Subtotal EDC Implementation Costs	\$4,122	\$27,098	\$80,921
EDC Evaluation Costs	\$477	\$2,837	\$8,487
SWE Audit Costs		\$225	\$1,900
Total EDC Costs³	\$10,526	\$58,852	\$155,443
Participant Costs ⁴	N/A	N/A	N/A
Total TRC Costs⁵	N/A	N/A	N/A

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.

¹ Includes portfolio indirect (common) costs are not assigned to a particular program. See Table 4-1a for a breakdown of the indirect costs for each reporting category. Column totals may differ slightly from the sum of rows due to rounding.

² 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.

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.

⁵ Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY7 Final Annual Report.

Table 4-1a: Summary of Indirect Portfolio Finances¹

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$0	\$0	\$0
Administration, Management and Technical Assistance ²	\$333	\$2,212	\$7,971
Design & Development	\$4	\$43	\$1,493
Marketing	\$123	\$865	\$8,034
Subtotal EDC Implementation Costs	\$459	\$3,120	\$17,498
EDC Evaluation Costs	\$477	\$2,837	\$8,487
SWE Audit Costs		\$225	\$1,900
Total EDC Costs³	\$936	\$6,181	\$27,885
Participant Costs⁴	N/A	N/A	N/A
Total TRC Costs⁵	N/A	N/A	N/A

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.

¹ Portfolio indirect (common) costs are not assigned to a particular program. Portfolio Indirect (common) costs presented in Table 4-1a are also included as components of values presented in Table 4-1. Column totals may differ slightly from the sum of rows due to rounding.

² 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.

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.

⁵ Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY7 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 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$1	\$369	\$1,079
Subtotal EDC Incentive Costs	\$1	\$369	\$1,079
Administration, Management and Technical Assistance ¹	\$15	\$870	\$2,946
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$15	\$870	\$2,946
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs²	\$16	\$1,240	\$4,025
Participant Costs³	N/A	N/A	N/A
Total TRC Costs⁴	N/A	N/A	N/A
NOTES:			
<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. Column totals may differ slightly from the sum of rows due to rounding.			
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 PY7 Final Annual Report.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY7 Final Annual Report.			

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

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$0	\$0	\$0
Administration, Management and Technical Assistance ¹	\$209	\$353	\$986
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$209	\$353	\$986
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs²	\$209	\$353	\$986
Participant Costs³	N/A	N/A	N/A
Total TRC Costs⁴	N/A	N/A	N/A
NOTES:			
<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. Column totals may differ slightly from the sum of rows due to rounding.			
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 PY7 Final Annual Report.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY7 Final Annual Report.			

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

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$270	\$1,909	\$3,523
Subtotal EDC Incentive Costs	\$270	\$1,909	\$3,523
Administration, Management and Technical Assistance ¹	\$159	\$826	\$2,960
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$159	\$826	\$2,960
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs²	\$429	\$2,735	\$6,482
Participant Costs³	N/A	N/A	N/A
Total TRC Costs⁴	N/A	N/A	N/A
NOTES:			
<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, GSP 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. Column totals may differ slightly from the sum of rows due to rounding.			
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 PY7 Final Annual Report.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY7 Final Annual Report.			

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

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies ¹	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$0	\$0	\$0
Administration, Management and Technical Assistance ²	\$83	\$597	\$1,232
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$83	\$597	\$1,232
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs³	\$83	\$597	\$1,232
Participant Costs⁴	N/A	N/A	N/A
Total TRC Costs⁵	N/A	N/A	N/A

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.

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. Column totals may differ slightly from the sum of rows due to rounding.

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 PY7 Final Annual Report.

⁵ Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY7 Final Annual Report.

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

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$0	\$0	\$0
Administration, Management and Technical Assistance ¹	\$126	\$385	\$1,523
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$126	\$385	\$1,523
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs²	\$126	\$385	\$1,523
Participant Costs³	N/A	N/A	N/A
Total TRC Costs⁴	N/A	N/A	N/A
NOTES:			
<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. Column totals may differ slightly from the sum of rows due to rounding.			
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 PY7 Final Annual Report.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY7 Final Annual Report.			

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

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies ¹	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$0	\$0	\$0
Administration, Management and Technical Assistance ²	\$479	\$6,646	\$16,518
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$479	\$6,646	\$16,518
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs³	\$479	\$6,646	\$16,518
Participant Costs⁴	N/A	N/A	N/A
Total TRC Costs⁵	N/A	N/A	N/A
NOTES:			
<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 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.			
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. Column totals may differ slightly from the sum of rows due to rounding.			
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 PY7 Final Annual Report.			
⁵ Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY7 Final Annual Report.			

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

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$139	\$412	\$872
Subtotal EDC Incentive Costs	\$139	\$412	\$872
Administration, Management and Technical Assistance ¹	\$105	\$358	\$1,299
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$105	\$358	\$1,299
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs²	\$244	\$769	\$2,171
Participant Costs³	N/A	N/A	N/A
Total TRC Costs⁴	N/A	N/A	N/A
NOTES:			
<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. Column totals may differ slightly from the sum of rows due to rounding.			
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 PY7 Final Annual Report.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY7 Final Annual Report.			

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

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$3,891	\$13,581	\$37,065
Subtotal EDC Incentive Costs	\$3,891	\$13,581	\$37,065
Administration, Management and Technical Assistance ¹	\$1,194	\$5,207	\$14,278
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$1,194	\$5,207	\$14,278
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs²	\$5,085	\$18,788	\$51,343
Participant Costs³	N/A	N/A	N/A
Total TRC Costs⁴	N/A	N/A	N/A
NOTES:			
<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. Column totals may differ slightly from the sum of rows due to rounding.			
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 PY7 Final Annual Report.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY7 Final Annual Report.			

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

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$0	\$0	\$0
Administration, Management and Technical Assistance ¹	\$122	\$504	\$2,463
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$122	\$504	\$2,463
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs²	\$122	\$504	\$2,463
Participant Costs³	N/A	N/A	N/A
Total TRC Costs⁴	N/A	N/A	N/A
NOTES:			
<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. Column totals may differ slightly from the sum of rows due to rounding.			
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 PY7 Final Annual Report.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY7 Final Annual Report.			

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

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$351	\$4,579	\$6,144
Subtotal EDC Incentive Costs	\$351	\$4,579	\$6,144
Administration, Management and Technical Assistance ¹	\$371	\$1,928	\$3,812
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$371	\$1,928	\$3,812
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs²	\$722	\$6,507	\$9,956
Participant Costs³	N/A	N/A	N/A
Total TRC Costs⁴	N/A	N/A	N/A
NOTES:			
<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. Column totals may differ slightly from the sum of rows due to rounding.			
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 PY7 Final Annual Report.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY7 Final Annual Report.			

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

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$1,275	\$7,842	\$15,452
Subtotal EDC Incentive Costs	\$1,275	\$7,842	\$15,452
Administration, Management and Technical Assistance ¹	\$677	\$4,013	\$9,712
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$677	\$4,013	\$9,712
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs²	\$1,952	\$11,855	\$25,163
Participant Costs³	N/A	N/A	N/A
Total TRC Costs⁴	N/A	N/A	N/A
NOTES:			
<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. Column totals may differ slightly from the sum of rows due to rounding.			
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 PY7 Final Annual Report.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY7 Final Annual Report.			

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

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$0	\$0	\$0
Administration, Management and Technical Assistance ¹	\$9	\$84	\$362
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$9	\$84	\$362
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs²	\$9	\$84	\$362
Participant Costs³	N/A	N/A	N/A
Total TRC Costs⁴	N/A	N/A	N/A

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.

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. Column totals may differ slightly from the sum of rows due to rounding.

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 PY7 Final Annual Report.

⁴ Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY7 Final Annual Report.

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

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies ¹	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$0	\$0	\$0
	\$0	\$0	\$0
Administration, Management and Technical Assistance ²			
Design & Development	\$114	\$2,205	\$5,334
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$0	\$0	\$0
	\$114	\$2,205	\$5,334
EDC Evaluation Costs			
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs³	\$0	\$0	\$0
Participant Costs⁴	\$114	\$2,205	\$5,334
Total TRC Costs⁵	N/A	N/A	N/A
NOTES:			
<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 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. Column totals may differ slightly from the sum of rows due to rounding.			
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 PY7 Final Annual Report.			
⁵ Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY7 Final Annual Report.			

Quarterly Report Terms

