

Quarterly Report to the Pennsylvania Public Utility Commission

**For the Period
September 2015 through November 2015
Program Year 7, Quarter 2**

For Pennsylvania Act 129 of 2008
Energy Efficiency and Conservation Plan

Prepared by The Cadmus Group, Inc.

For

PPL Electric

January 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
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 7 (PY7), defined as September 1, 2015 through November 30, 2015, 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 second quarter of PY7, PPL Electric’s portfolio included 13 programs:

1. The Appliance Recycling Program (ARP) offers customers incentives to have their outdated refrigerators, freezers, and air conditioners recycled.
2. The Continuous Energy Improvement Program provides technical support for schools to develop and implement a Strategic Energy Management Plan.
3. The Custom Incentive Program offers custom incentives to nonresidential customers per kilowatt hour (kWh) saved during the first year of participation.
4. The E-Power Wise Program provides low-income customers with information about energy use, along with home energy kits.
5. The Low-Income Energy-Efficiency Behavior & Education Program provides qualified low-income customers with a series of home energy reports showing their energy use, comparing their usage to similar customers, and providing energy savings tips.
6. The 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.
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.
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.
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.

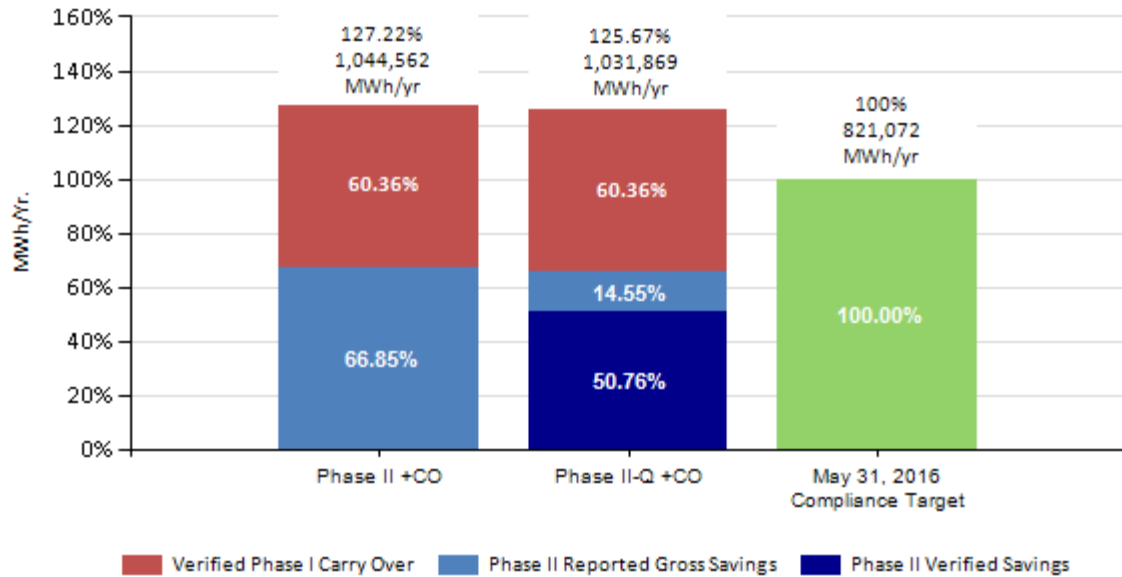
1.1 Summary of Achievements

PPL Electric has achieved approximately 125.7 percent of the May 31, 2016 energy savings compliance target, including Phase 1 Carry Over. Phase II-Q+CO¹ gross energy savings achieved through Quarter 2 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.

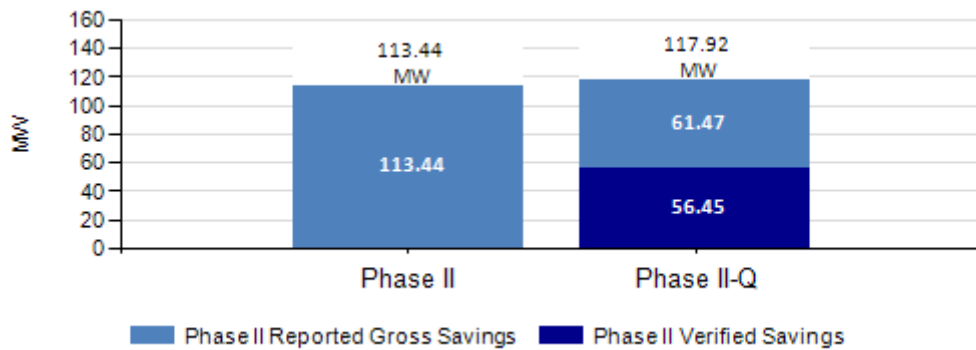
² Phase II-Q = Verified Gross Savings from the beginning of Phase II + PYTD Reported Gross Savings. This excludes Phase I carry over savings. All savings reported as Phase II-Q gross savings are computed this way. Phase II Verified Gross Savings will be reported in the annual report. See the ‘Quarterly Report Terms’ graphic and the end of this report for more information.

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



PPL Electric achieved 117.92 MW of demand reduction as of PY7 Q2³.

Figure 1-2: Phase II Portfolio Demand Reduction

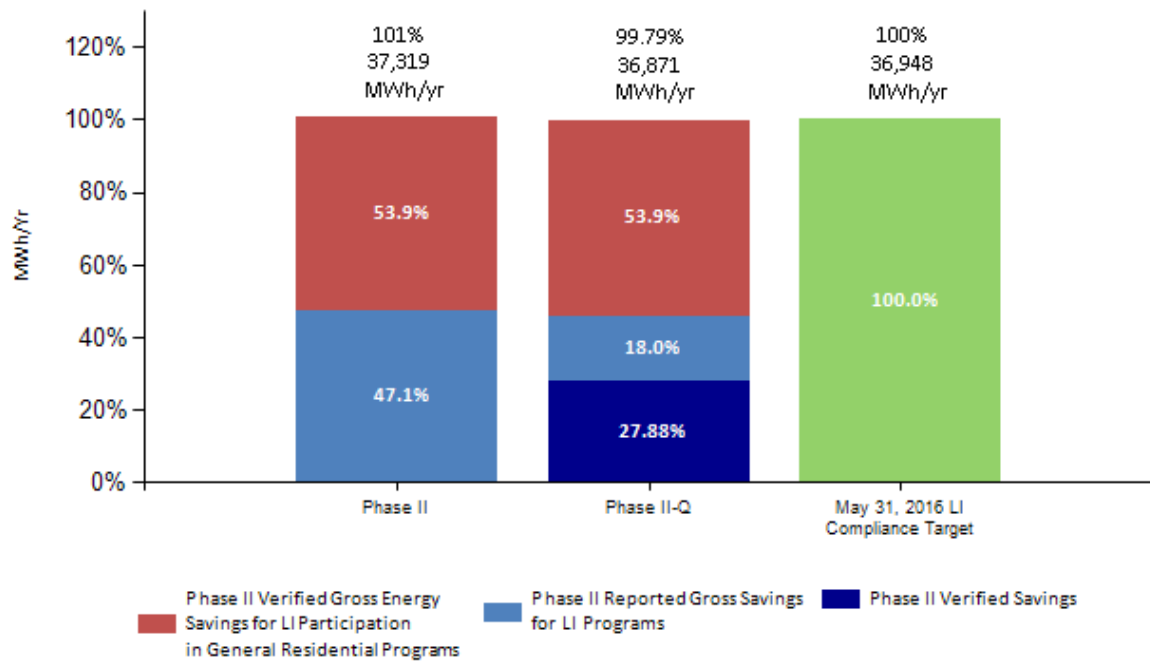


³ Unlike Phase I, there is no compliance target for demand reduction in Phase II.

There are 67 measures available to the low-income sector at no cost to the customer. These measures offered to the low-income sector comprise 51 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 16,968 MWh/yr. The verified savings from low-income participation in general residential programs during PY5 and PY6 was 19,903 MWh/yr. These savings total approximately 99.8 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 carryover savings do not apply since there was no low-income savings compliance target in Phase 1.

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}

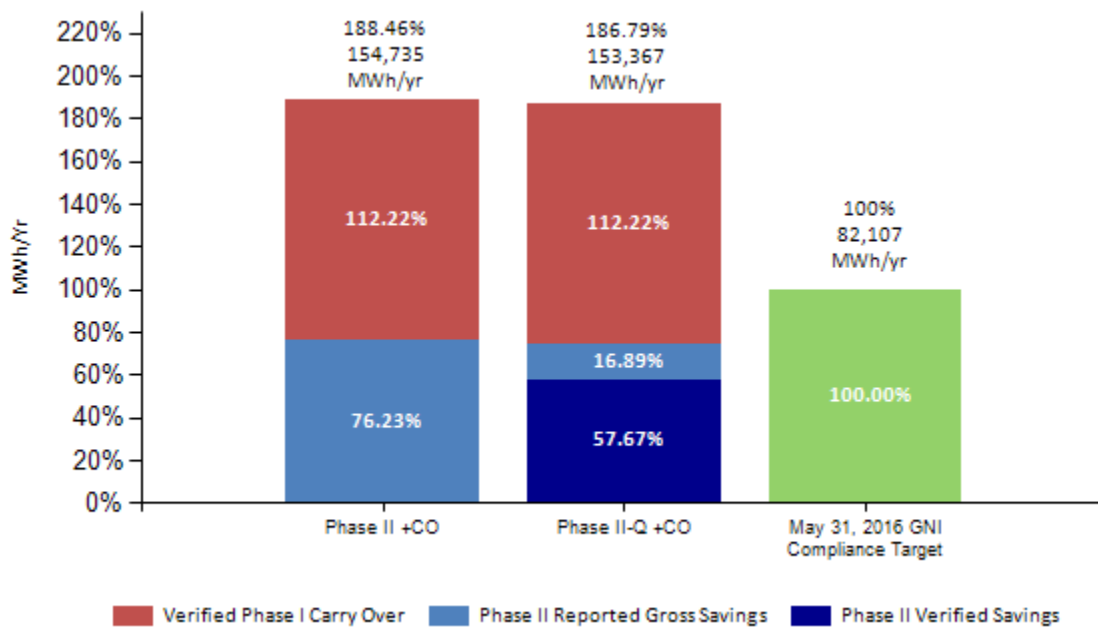


PPL Electric achieved approximately 187 percent of the May 31, 2016 energy reduction compliance target for government, nonprofit and institutional sector, based on Phase II-Q+CO gross energy savings achieved through Quarter 2, as shown in Figure 1-4.

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:** In PY7 Q2 the implementation CSP, JACO Environmental, ceased operations. PPL Electric’s service contract with JACO has since been terminated.
- **Continuous Energy Improvement:** In PY7, the eight participating school districts expanded CEI to include more schools within their district.
- **Custom Incentive:** New applications are processed, but incentives are no longer being reserved. Instead, they are added to a waitlist. Projects deemed eligible are expected to be moved off of the waitlist and incentives will be reserved if/when additional program funds become available.
- **E-Power Wise:** No program changes or updates in PY7 Q2.
- **Low-Income Energy-Efficiency Behavior & Education:** No program changes in PY7 Q2.
- **Low-Income WRAP:** No program changes or updates in PY7 Q2.
- **Master Metered Multifamily Housing:** No program changes occurred in PY7 Q2.
- **Prescriptive Equipment:** No program changes in PY7 Q2.
- **Residential Energy-Efficiency Behavior & Education:** No program changes in PY7 Q2.
- **Residential Home Comfort:** No program changes in PY7 Q2.
- **Residential Retail:** No Program Updates in PY7 Q2.
- **School Benchmarking:** No program updates in PY7 Q2.
- **Student and Parent Energy-Efficiency Education:** No changes to planned program delivery in PY7 Q2.

1.3 Evaluation Updates and Findings

This section summarizes evaluation activities occurring within each program during PY7 Q2:

- **Appliance Recycling Program:** The EM&V CSP delivered the PY6 final impact and process evaluation reports to PPL Electric. No evaluation activities for PY7 occurred during Q2.
- **Continuous Energy Improvement:** No evaluation activities for PY7 occurred during Q2.
- **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 possible. Verified five large projects.
- **E-Power Wise:** Sample verification continued for PY7 Q1 and Q2.
- **Low-Income Energy-Efficiency Behavior & Education:** The EM&V CSP drafted the customer survey instrument in PY7 Q2.
- **Low-Income WRAP:** The EM&V CSP delivered the PY6 annual reports and selected a sample of HPWH records for verification.
- **Master Metered Multifamily Housing:** The EM&V CSP conducted review of PY7 Q1 records to identify the number of nursing homes participating in the program. Provided guidance to the Implementation CSP about calculating and documenting commercial lighting energy and demand savings for large projects (those with a change in connected load of 20 kW or higher) according to the PA 2015 Technical Reference Manual.
- **Prescriptive Equipment:** The EM&V CSP conducted records review for the sample of PY7 Q1 equipment records. The EM&V CSP selected the Q1 impact evaluation sample of 12 lighting projects, and began reviewing the sample file records and scheduling site visits.
- **Residential Energy-Efficiency Behavior & Education:** No evaluation activities for PY7 occurred during Q2.
- **Residential Home Comfort:** Conducted records review of PY7 Q1 audit, weatherization, and efficient equipment records for quality control and verification purposes and calculated preliminary, unweighted realization rates for Q1. Selected samples for Q2 review. Reviewed new construction rebates to ensure UDRH file captured baseline conditions correctly. Provided recommendations for calculating air-source heat pump savings based on new 2015 TRM baseline assumptions.
- **Residential Retail:** The EM&V CSP selected a sample of PY7 Q1 equipment records for review, and conducted an audit of upstream lighting records.
- **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:** This program is delivered to classrooms once a year in the fall. In PY7 Q2, stakeholder interview guides were prepared. Impact and process evaluations will commence in January 2016.

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

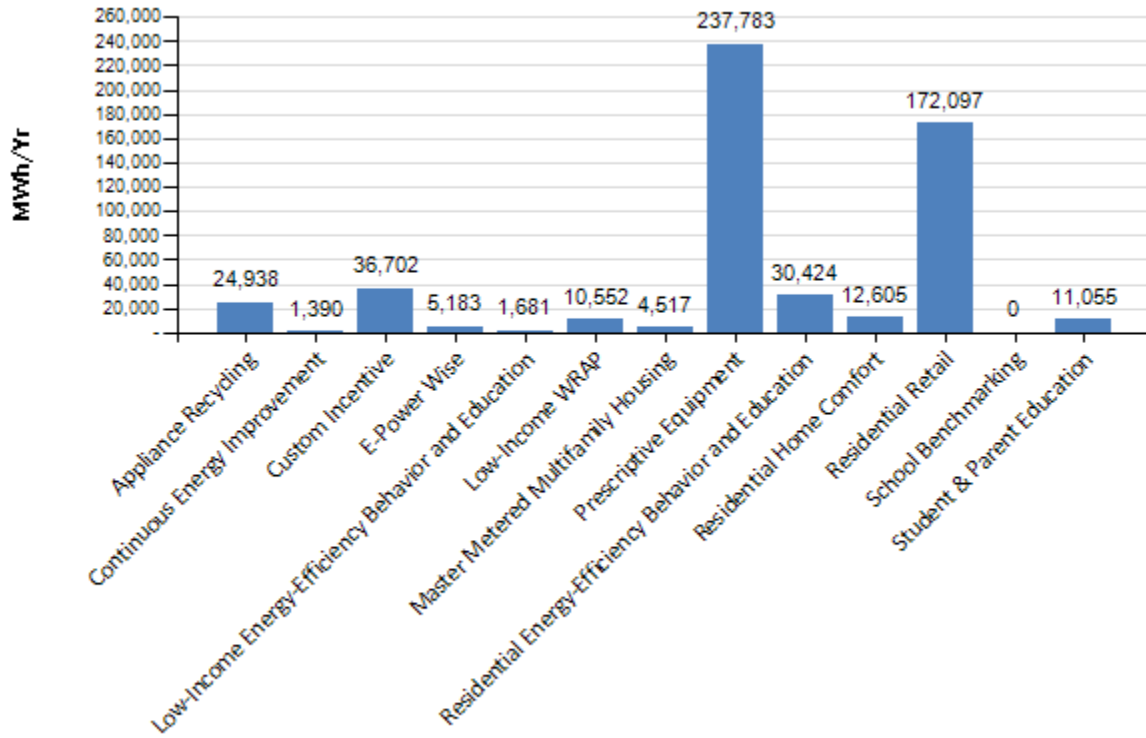
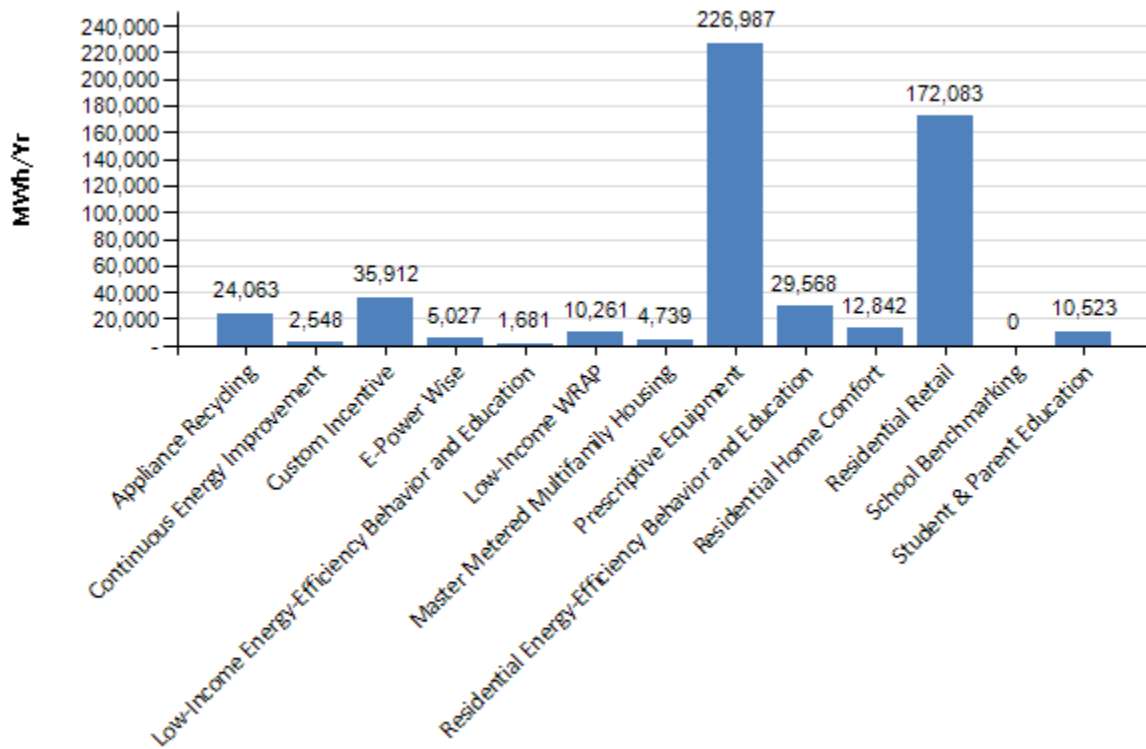


Figure 2-2: Phase II-Q Reported Gross Energy Savings by Program



A summary of energy impacts by program through PY7 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 ^[8]	Phase II-Q ^[8]
Appliance Recycling	2,698	6,630	26,214	3,499	8,370	24,938	24,063
Continuous Energy Improvement	-	8	8	-	1,390	1,390	2,548
Custom Incentive ^[1]	16	39	164	5,789	8,623	36,702	35,912
E-Power Wise	1,185	3,176	9,493	769	2,061	5,183	5,027
Low-Income Energy-Efficiency Behavior and Education ^[2]	-	-	72,988	-	1,681	1,681	1,681
Low-Income WRAP ^[3]	1,392	2,329	9,168	1,766	2,926	10,552	10,261
Master Metered Multifamily Housing	23	36	122	561	1,153	4,517	4,739
Prescriptive Equipment	265	658	6,700	18,124	56,568	237,783	226,987
Residential Energy-Efficiency Behavior and Education ^{[2],[4]}	-	-	130,626	-	30,424	30,424	29,568
Residential Home Comfort	2,446	4,786	11,609	3,411	6,350	12,605	12,842
Residential Retail ^[5]	63,646	108,183	506,677	17,709	30,306	172,097	172,083
School Benchmarking ^[6]		18	55	-	-	-	-
Student & Parent Education ^[7]	-	-	42,647	-	-	11,055	10,523
TOTAL PORTFOLIO	71,671	125,863	816,471	51,629	149,852	548,926	536,233
Carry Over Savings from Phase I						495,636	495,636
Total				-	-	1,044,562	1,031,869

NOTES:

- [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 participant counts for the Behavior and Education programs were corrected in the PY6 annual report. The Residential Behavior and Education count includes customers who received at least one Home Energy Report. In the Low Income Energy Efficiency Behavior and Education program, 72,988 customers received at least one Home Energy Report. The counts are not adjusted for opt-outs and those whose accounts became inactive.
- [3] Savings from PY7 Q1 were updated for Low-Income WRAP after the PY7 Q1 report was filed, to correct missing savings from 3 HPWH jobs, adding approximately 5 MWh of energy savings and negligible demand reduction.
- [4] Verified savings for the Residential Energy-Efficiency Behavior and Education were reported in the PY6 annual report. PY6 savings were reported in PY7 Q1.
- [5] 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 (midstream incentives were discontinued during PY5), and estimated lighting participants.
- [6] The School Benchmarking program does not claim energy or demand savings.
- [7] Beginning in PY6 Q3, the methodology for counting participants for the Student & Parent Education program changed. The participant count is now based on the number of kits distributed, instead of the previously-reported number of classrooms. This change was applied to data for all of Phase II.
- [8] Excludes expiring one year measure life savings.

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

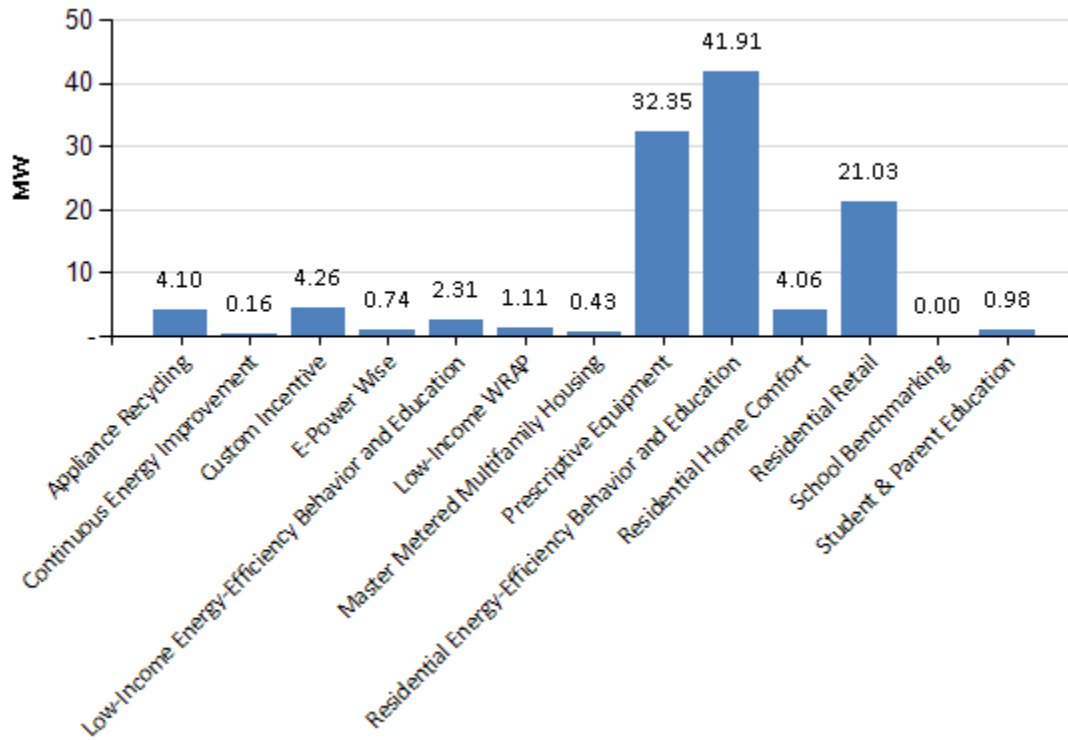
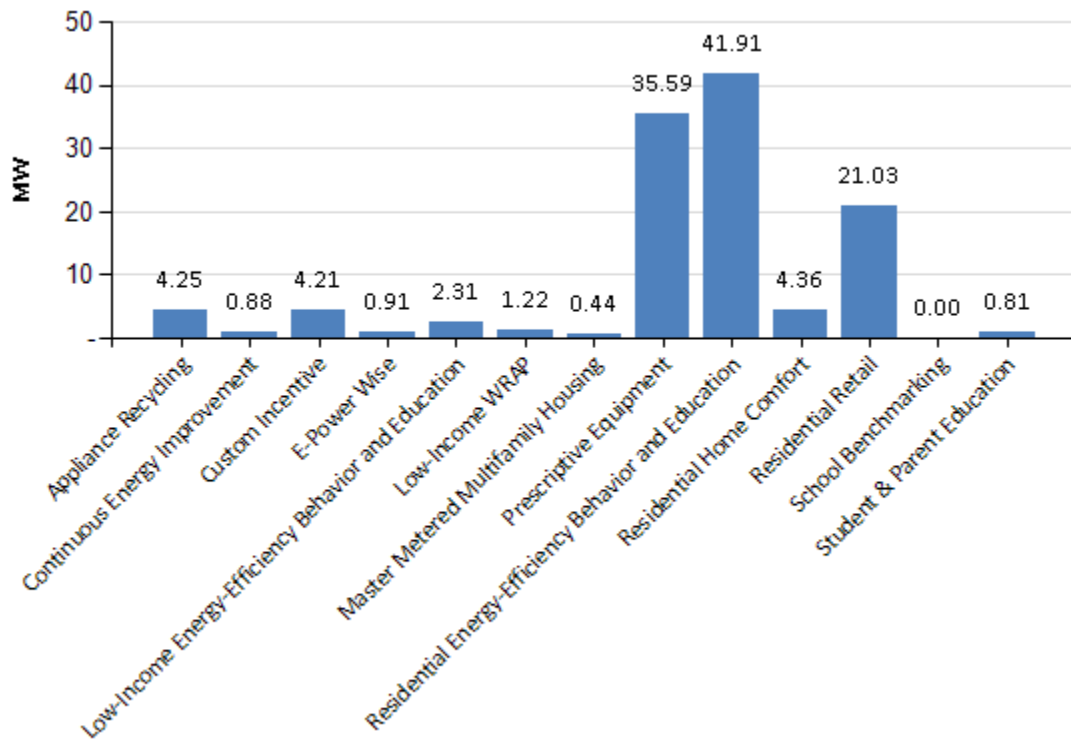


Figure 3-2: Phase II-Q Demand Reduction by Program



A summary of total demand reduction impacts by program through PY7 Q2 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 ^[7]	Phase II-Q ^[7]
Appliance Recycling	2,698	6,630	26,214	0.45	1.10	4.10	4.25
Continuous Energy Improvement	-	8	8	-	0.16	0.16	0.88
Custom Incentive ^[1]	16	39	164	0.62	1.16	4.26	4.21
E-Power Wise	1,185	3,176	9,493	0.15	0.41	0.74	0.91
Low-Income Energy-Efficiency Behavior and Education ^[2]	-	-	72,988	-	2.31	2.31	2.31
Low-Income WRAP ^[3]	1,392	2,329	9,168	0.20	0.33	1.11	1.22
Master Metered Multifamily Housing	23	36	122	0.05	0.12	0.43	0.44
Prescriptive Equipment	265	658	6,700	2.92	8.01	32.35	35.59
Residential Energy-Efficiency Behavior and Education ^[2]	-	-	130,626	-	41.91	41.91	41.91
Residential Home Comfort	2,446	4,786	11,609	0.77	1.61	4.06	4.36
Residential Retail ^[4]	63,646	108,183	506,677	2.54	4.35	21.03	21.03
School Benchmarking ^[5]		18	55	-	-	-	-
Student & Parent Education ^[6]	-	-	42,647	-	-	0.98	0.81
TOTAL PORTFOLIO	71,671	125,863	816,471	7.72	61.47	113.44	117.92
NOTES:							
[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 participant counts for the Behavior and Education programs were corrected in the PY6 annual report. The Residential Behavior and Education count includes customers who received at least one Home Energy Report. In the Low Income Energy Efficiency Behavior and Education program, 72,988 customers received at least one Home Energy Report. The counts are not adjusted for opt-outs and those whose accounts became inactive. PY6 savings were reported in PY7 Q1.							
[3] Savings from PY7 Q1 were updated for Low-Income WRAP after the PY7 Q1 report was filed, to correct missing savings from 3 HPWH jobs, adding approximately 5 MWh of energy savings and negligible demand reduction.							
[4] 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 (midstream incentives were discontinued during PY5), and estimated lighting participants.							
[5] The School Benchmarking program does not claim energy or demand savings.							
[6] Beginning in PY6 Q3, the methodology for counting participants for the Student & Parent Education program changed. The participant count is now based on the number of kits distributed, instead of the previously-reported number of classrooms. This change was applied to data for all of Phase II.							
[7] Excludes expiring one year measure life savings.							

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 2 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$7,711	\$15,991	\$51,433
Subtotal EDC Incentive Costs	\$7,711	\$15,991	\$51,433
Administration, Management and Technical Assistance ²	\$8,990	\$15,058	\$60,263
Design & Development	\$21	\$37	\$1,488
Marketing	\$267	\$467	\$7,636
Subtotal EDC Implementation Costs	\$9,278	\$15,562	\$69,386
EDC Evaluation Costs	\$611	\$1,735	\$7,385
SWE Audit Costs		\$225	\$1,900
Total EDC Costs³	\$17,601	\$33,513	\$130,104
Participant Costs ⁴	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 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.			
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 PY6 Final Annual Report.			

Table 4-1a: Summary of Indirect Portfolio Finances¹

	Quarter 2 (\$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	\$530	\$1,076	\$6,835
Design & Development	\$21	\$37	\$1,488
Marketing	\$267	\$467	\$7,636
Subtotal EDC Implementation Costs	\$818	\$1,580	\$15,958
EDC Evaluation Costs	\$611	\$1,735	\$7,385
SWE Audit Costs		\$225	\$1,900
Total EDC Costs³	\$1,429	\$3,539	\$25,243
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.

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 PY6 Final Annual Report.

4.2 Program Level Expenditures

Program-specific finances are shown in the following tables.

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

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$74	\$245	\$955
Subtotal EDC Incentive Costs	\$74	\$245	\$955
Administration, Management and Technical Assistance ¹	\$324	\$797	\$2,873
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$324	\$797	\$2,873
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs²	\$398	\$1,042	\$3,828
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.			
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. TRC Costs will be calculated for the PY6 Final Annual Report.			

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
Subtotal EDC Incentive Costs	\$0	\$0	\$0
Administration, Management and Technical Assistance ¹	\$36	\$83	\$715
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$36	\$83	\$715
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs²	\$36	\$83	\$715
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.			
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 PY6 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	\$269	\$719	\$2,333
Subtotal EDC Incentive Costs	\$269	\$719	\$2,333
Administration, Management and Technical Assistance ¹	\$184	\$423	\$2,557
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$184	\$423	\$2,557
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs²	\$452	\$1,143	\$4,890
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.			
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 PY6 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 ¹	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$0	\$0	\$0
Administration, Management and Technical Assistance ²	\$314	\$416	\$1,051
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$314	\$416	\$1,051
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs ³	\$314	\$416	\$1,051
Participant Costs ⁴	N/A	N/A	N/A
Total TRC Costs ⁵	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 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 PY5 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
Subtotal EDC Incentive Costs	\$0	\$0	\$0
Administration, Management and Technical Assistance ¹	\$244	\$257	\$1,395
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$244	\$257	\$1,395
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs²	\$244	\$257	\$1,395
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.			
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 PY6 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 ¹	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$0	\$0	\$0
Administration, Management and Technical Assistance ²	\$2,953	\$4,826	\$14,697
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$2,953	\$4,826	\$14,697
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs³	\$2,953	\$4,826	\$14,697
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.			
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.			
⁵ Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY6 Final Annual Report.			

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

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants or Trade Allies	\$103	\$152	\$613
Subtotal EDC Incentive Costs	\$103	\$152	\$613
Administration, Management and Technical Assistance ¹	\$95	\$161	\$1,103
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$95	\$161	\$1,103
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs²	\$198	\$314	\$1,716
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.			
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 PY6 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	\$3,130	\$7,095	\$30,580
Subtotal EDC Incentive Costs	\$3,130	\$7,095	\$30,580
Administration, Management and Technical Assistance ¹	\$1,209	\$2,491	\$11,562
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$1,209	\$2,491	\$11,562
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs²	\$4,339	\$9,587	\$42,141
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.			
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 PY6 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
Subtotal EDC Incentive Costs	\$0	\$0	\$0
Administration, Management and Technical Assistance ¹	\$349	\$380	\$2,340
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$349	\$380	\$2,340
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs²	\$349	\$380	\$2,340
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.			
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 PY6 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	\$1,734	\$3,309	\$4,874
Subtotal EDC Incentive Costs	\$1,734	\$3,309	\$4,874
Administration, Management and Technical Assistance ¹	\$595	\$1,006	\$2,890
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$595	\$1,006	\$2,890
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs²	\$2,329	\$4,316	\$7,764
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.			
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 PY6 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	\$2,401	\$4,470	\$12,080
Subtotal EDC Incentive Costs	\$2,401	\$4,470	\$12,080
Administration, Management and Technical Assistance ¹	\$1,791	\$2,492	\$8,191
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$1,791	\$2,492	\$8,191
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs²	\$4,193	\$6,963	\$20,271
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.			
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 PY6 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
Subtotal EDC Incentive Costs	\$0	\$0	\$0
Administration, Management and Technical Assistance ¹	\$12	\$61	\$339
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$12	\$61	\$339
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs²	\$12	\$61	\$339
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.			
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 PY6 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 ¹	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$0	\$0	\$0
Administration, Management and Technical Assistance ²	\$354	\$588	\$3,716
Design & Development	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$354	\$588	\$3,716
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	\$0	\$0	\$0
Total EDC Costs ³	\$354	\$588	\$3,716
Participant Costs ⁴	N/A	N/A	N/A
Total TRC Costs ⁵	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.			
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.			
⁵ Total TRC Costs = Total EDC Costs + Participant Costs. TRC Costs will be calculated for the PY6 Final Annual Report.			

Quarterly Report Terms

