# Quarterly Report to the Pennsylvania Public Utility Commission

# For the Period March 1, 2015 through May 31, 2015 Program Year 6, Quarter 4

For Pennsylvania Act 129 of 2008 Energy Efficiency and Conservation Plan

Prepared by Pennsylvania Electric Company and ADM Associates, Inc.

For

Pennsylvania Electric Company
Docket No. M-2012-2334392
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# **Acronyms**

C&I Commercial and Industrial

CATI Computer-Aided Telephone Interview

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 Curtailment Service Provider
CVR Conservation Voltage Reduction

CVRf Conservation Voltage Reduction factor

DLC Direct Load Control
DR Demand Response

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

ICSP Implementation Conservation Service Provider

IQ Incremental Quarter

kW Kilowatt kWh Kilowatt-hour

LED Light Emitting Diode

LIURP Low-Income Energy Efficiency Program
LIURP Low-Income Usage Reduction Program

M&V Measurement and Verification

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
PY8 Program Year 2016, from June 1, 2012 to May 31, 2017

PYX QX	Program Year X, Quarter X
PYTD	Program Year to Date

SEER Seasonal Energy Efficiency Rating

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. The PUC established energy savings and demand reduction goals for Phase II (June 2013 through May 2016) of the Act 129 programs. Each EDC filed new EE&C plans with the PA PUC in late 2012 for Phase II. These plans were subsequently approved by the PUC in early 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 Pennsylvania Electric Company (Penelec or Company) in the 4th quarter of Program Year 6 (PY6), defined as March 1, 2015 through May 31, 2015, as well as the cumulative accomplishments of the programs since inception of Phase II. This report also includes the energy savings carried over from Phase I that will be applied towards the Company's savings compliance targets for Phase II. The Phase I carryover values as listed in this quarterly report are based on the Company's Final Phase I report to the Commission.

The Company's EM&V contractor, ADM Associates, is evaluating the programs, which includes measurement and verification of program savings.

# 1.1 Summary of Achievements

Penelec has achieved 73.2 percent of the May 31, 2016 energy savings compliance target, based on cumulative program inception to date (Phase II) reported gross energy savings<sup>1</sup>, and 79.8 percent of the energy savings compliance target, based on Phase II-Q-CO<sup>2</sup> "(or Phase II-CO until verified savings are available for PY6) gross energy savings achieved through PY6Q4, as shown in Figure 1-1. (Phase II-Q)<sup>3</sup> is also shown in Figure 1-1.

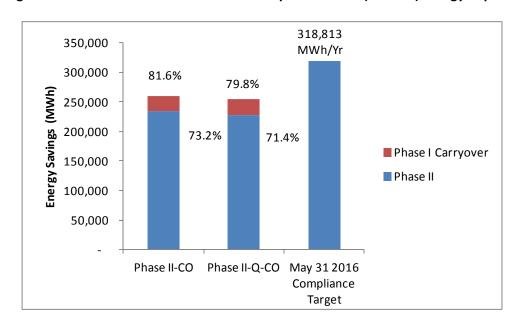


Figure 1-1: Cumulative Portfolio Phase 2 Inception to Date (Phase II) Energy Impacts

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

<sup>&</sup>lt;sup>2</sup> Phase II-Q-CO Gross Savings = Phase II verified gross savings from the beginning of Phase II including verified Carry Over Savings from Phase I + PYTD reported gross savings. The carryover portion of the Phase II-Q-CO Gross Savings listed herein is based on verified impacts reported in the Company's Final Phase I report to the Commission.

<sup>&</sup>lt;sup>3</sup> Phase II-Q Gross Savings = CPITD Verified Gross Savings from the beginning of Phase II + PYTD Reported Gross Savings. This excludes Phase I carry over savings. All savings reported as Phase II-Q gross savings are computed this way. Phase II Verified Gross Savings will be reported in the annual report. For the first quarter of each program year, the Company reports Phase II-Q Gross Savings as Phase II Savings as verified savings will not be reported until November 15.

30.00 25.7 MW 25.0 MW 25.00 Demand Reduction (MW) 20.00 15.00 10.00 5.00 Phase II-Q Phase II

Penelec has achieved 25.7 MW of demand reduction through PY6Q44.

Figure 1-2: Phase II Portfolio Demand Reduction

There are six broad groups of measures available to the low-income sector at no cost to the customer, compared to a total of 40 broad measure categories included in the Company's EE&C Plan. These groups of measures offered to the low-income sector therefore comprise 15.0% of the total measures offered. As required by the Phase II goal, this exceeds the fraction of the electric consumption of the utility's lowincome households divided by the total electricity consumption in the Penelec territory which is 10.2%.5 The Phase II reported gross energy savings achieved in the low-income sector is 31,955 MWh/yr<sup>6</sup>; this is 13.7% percent of the Phase II total portfolio reported gross energy savings. This exceeds the goal of 4.5% of the Phase II savings.

Penelec has also achieved 58.3% of the May 31, 2016, energy reduction compliance target for government, nonprofit and institutional sector, based on Phase II reported gross energy savings, and

<sup>&</sup>lt;sup>4</sup> There is no compliance target for demand reduction in Phase II.

<sup>5</sup> Act 129 includes a provision requiring electric distribution companies to offer a number of energy efficiency measures to low-income households that are "proportionate to those households' share of the total energy usage in the service territory." 66 Pa.C.S. §2806.1(b)(i)(G). The Company's Act 129 EE&C Plan includes hundreds of distinct measures that are consolidated into 128 archetypal measures and 40 broad measure categories. For low-Income reporting purposes, six of these 40 broad measure categories are offered at no cost to the Company's low-income residential customers.

<sup>&</sup>lt;sup>6</sup> These estimates are extrapolated from official PY5 verified results, which were calculated through participant surveys.

Phase II-CO

Figure 1-3: Government, Nonprofit, and Institutional Sectors 120% 100% 100% 91.9% 86.1% 31,881 MWh/Yr Energy Savings (MWh) 80% 60% ■ Phase I Carryover 40% Phase II 58.3% 52.4% 20% 0%

Phase II-Q-CO

May 31 2016 Compliance Target

86.1% of the target based on Phase II-Q-CO gross energy savings achieved through PY6Q4, as shown in Figure 1-3.

# 1.2 Program Updates and Findings

### • Appliance Turn-in:

Residential participation is tracking to PY6 forecasts. Over 1,279 appliances were picked up and recycled during PY6Q4. The Company and JACO presented a Filet-O-Fridge event in Johnstown to elementary school students. The event educated students on the benefits of recycling appliances. During this period, the Company continued to market the program through bill inserts, television, radio, newspaper, and internet advertisements.

### Energy Efficient Products:

Program continues to track ahead of goal in all four FirstEnergy PA EDCs primarily due to POS lighting sales and the consumer electronics program.

### Home Performance:

New Construction: During the quarter, 2 ENERGY STAR rated homes were completed under the program. We continued to promote and recruit program participants at events such as a training for the Greater Erie Board of REALTORS (March) and via direct mail marketing pieces to area builders (April). Participation in the program has increased with the addition of the new incentive tier for homes built at or above 30% of code.

Online Audit: Penelec continues to send Energy Conservation Kits to customers as a result of completing an Online Audit. During PY6Q4, over 1,125 kits were delivered to Penelec customers.

Comprehensive Audit: Continue to recruit new contractors into program and market program to customers. Also continues to host bi-monthly program webinars with contractors to go over best practices and program updates.

Behavior Modification: The Home Energy Reports highlighted the benefits of the Appliance Recycling program in all reports delivered in May.

Opt-in Kits: During PY6Q4 over 16,740 Opt-In Kits were delivered to customers in Penelec upon enrollment into the program.

Schools Education and Kits: Final performances of the "Energized Guyz" for Phase II were completed in November 2014 and requested kits were shipped through January. Over 13,900 students participated in the School Education program from inception to date.

# Low Income / WARM:

The Program continued its marketing efforts to identify and reach income-qualified customers in the Penelec territory during PY6Q4.

WARM Extra Measures/WARM Plus: Two heat pump water heater installations were completed in the Penelec area during PY6Q4. Procedures for coordination with Peoples, Equitable and TW Phillips Gas Companies and WARM Program continued to be finalized and preliminary coordination efforts have begun.

Multi Family: Penelec continues to identify and serve Multi-Family units/customers for WARM Plus.

The Penelec WARM Program's electronic application process went live March 2015. Customers now have the opportunity and ability to sign up for the WARM program and submit an application on-line simply by accessing the energysavePA.com website.

Low Income Low Use: Penelec distributed energy saving CFLs at two low income events which were held within the service area.

# **C/I Small Energy Efficient Equipment:**

Penelec continues to receive and process applications under Phase II for this program. In this quarter, the main focus was to continue to build on the momentum generated through the Winter Outreach events by conducting call-out campaign and following up on potential leads. The ICSP continues with its past strategy to conduct outreach campaign through trade ally network, direct marketing and one-on-one outreach by the program staff. The outreach campaign gave the Company an opportunity to reemphasize the current GNI bonus that ended April 30, 2015.

# C/I Small Energy Efficient Buildings:

This quarter, Penelec has shipped out 2,852 kits to customers in this program. In this quarter, the ICSP focused on following up on leads generated at the Winter Outreach events. The ICSP continues with its past outreach and marketing efforts that are focused on direct marketing to building owners/operators, design/build contractors, and engineering and architectural firms. The outreach campaign gave the Company an opportunity to reemphasize the current GNI bonus that ended April 30, 2015.

# • C/I Large Energy Efficient Equipment:

Penelec continues to receive and process applications under Phase II. In this quarter, main focus was to continue to build on the momentum generated through the Winter Outreach events by conducting call-out campaign and following up on potential leads. The ICSP markets this program through trade ally network and one-on-one outreach by the program staff. The outreach campaign gave the Company an opportunity to reemphasize the current GNI bonus that ended April 30, 2015.

# • C/I Large Energy Efficient Buildings:

In this quarter, Penelec did not ship out any kits to customers in this program. This quarter, the ICSP focused on following up on potential leads generated at the Winter Outreach events. The ICSP continues with its outreach and marketing efforts that are focused on direct marketing to building owners/operators, design/build contractors, and engineering and architectural firms. The outreach campaign gave the Company an opportunity to reemphasize the current GNI bonus that ended April 30, 2015.

### Government & Institutional:

Penelec continues to receive and process applications under Phase II. In this quarter, the ICSP conducted the follow up campaign based on the leads generated at the Winter Outreach events. The follow up campaign gave the Company an opportunity to re-emphasize the current GNI bonus that ended April 30, 2015.

# 1.3 Evaluation Updates and Findings

- Appliance Turn-in
- Energy Efficient Products
- Home Performance
- Low Income / WARM
- C/I Small Energy Efficient Equipment
- C/I Small Energy Efficient Buildings
- C/I Large Energy Efficient Equipment
- C/I Large Energy Efficient Buildings
- Government & Institutional

ADM has communicated to the Company's implementation staff the data collection requirements and calculation procedures outlined in the 2014 PA TRM for measures offered under each program. Nonresidential lighting projects with ex ante savings above 800 MWh and other nonresidential projects with ex ante savings above 400 MWh are sampled with certainty and evaluated on an ongoing basis by ADM. Nonresidential lighting projects with ex ante savings above 500 MWh and other nonresidential projects with ex ante savings above 250 MWh are reviewed for evaluability on an ongoing basis by ADM, and data acquisition requirements for these projects are communicated to the ICSP. ADM has launched PY6 verification surveys for residential programs and has started on-site verification work on smaller non-residential projects in April 2015. Initial survey and calculation review results indicate that the gross realization rates for residential programs will be similar to those observed in PY5.

# 2 Summary of Energy Impacts by Program

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

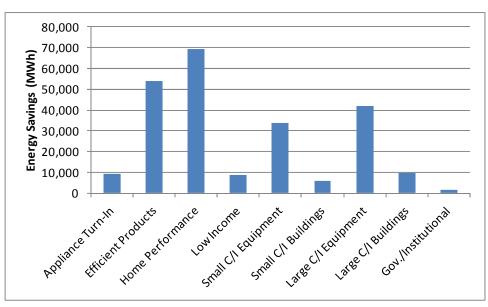
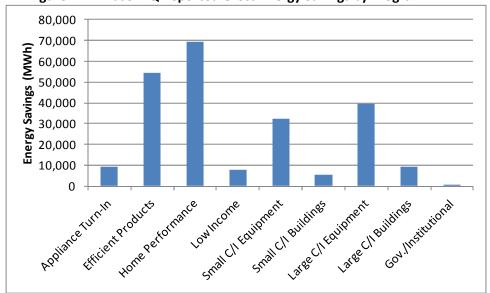


Figure 2-1: Phase II Reported Gross Energy Savings by Program





A summary of energy impacts by program through PY6Q4 is presented in Table 2-1.

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

					Reported G	ross Impact	
	Participants			(MWh/Year)			
Program	IQ	PYTD	Phase II	IQ	PYTD	Phase II	Phase II- Q <sup>7</sup>
Appliance Turn-In	1,279	5,511	11,665	1,005	4,273	9,066	9,010
Energy Efficient Products	50,835	203,234	422,183	5,575	22,773	53,853	54,574
Home Performance	16,850	40,002	298,639	10,750	39,794	69,206	69,189
Low Income / WARM	922	7,790	20,145	450	2,905	8,572	7,956
C/I Small Energy Efficient Equipment	102	498	869	2,913	17,588	33,757	32,166
C/I Small Energy Efficient Buildings	1,249	3,659	5,860	1,021	3,738	5,903	5,214
C/I Large Energy Efficient Equipment	43	138	210	5,789	27,860	42,080	39,392
C/I Large Energy Efficient Buildings	2	38	67	858	9,299	9,531	9,376
Government, & Institutional	3	9	26	78	190	1,500	757
TOTAL PORTFOLIO	71,285	260,879	759,664	28,440	128,421	233,469	227,634
Carry Over Savings from Phase I <sup>8</sup>							26,805
Total Phase II-Q-CO							254,439

<sup>&</sup>lt;sup>7</sup> Phase II cumulative savings reflect PY5 verified savings as reported in the PY5 annual report in November 2014.

<sup>&</sup>lt;sup>8</sup> The Phase I carryover values as listed in this quarterly report are based on verified impacts reported in the Company's Final Phase I report to the Commission all remaining values for all periods are shown ex-ante.

# 3 Summary of Demand Impacts by Program

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

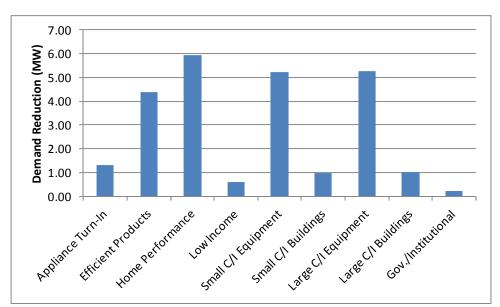
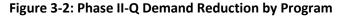
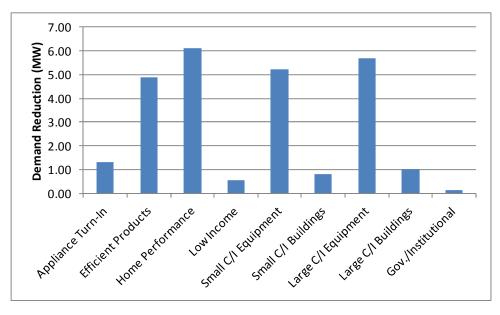


Figure 3-1: Phase II Demand Reduction by Program





A summary of total demand reduction impacts by program through PY6Q4 is presented in Table 3-1.

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

				Reported Gross Impact			
	F	Participants			(M)	N)	
Program	IQ	PYTD	Phase II	IQ	PYTD	Phase II	Phase II- Q <sup>9</sup>
Appliance Turn-In	1,279	5,511	11,665	0.16	0.64	1.33	1.32
Energy Efficient Products	50,835	203,234	422,183	0.62	2.47	4.39	4.89
Home Performance	16,850	40,002	298,639	3.50	4.55	5.95	6.09
Low Income / WARM	922	7,790	20,145	0.04	0.26	0.58	0.55
C/I Small Energy Efficient Equipment	102	498	869	0.44	2.61	5.23	5.24
C/I Small Energy Efficient Buildings	1,249	3,659	5,860	0.18	0.54	0.99	0.80
C/I Large Energy Efficient Equipment	43	138	210	0.57	3.53	5.25	5.67
C/I Large Energy Efficient Buildings	2	38	67	0.13	0.99	1.01	1.00
Government, & Institutional	3	9	26	0.03	0.05	0.23	0.14
TOTAL PORTFOLIO	71,285	260,879	759,664	5.67	15.64	24.96	25.70

<sup>&</sup>lt;sup>9</sup> Phase II cumulative demand impacts reflect PY5 verified savings as reported in the PY5 annual report in November 2014.

# 4 Summary of Finances

# 4.1 Portfolio Level Expenditures

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

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

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$1,782	\$7,059	\$13,254
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$1,782	\$7,059	\$7,059
Design & Development	\$36	\$48	\$180
Administration, Management and Technical Assistance <sup>[1]</sup>	\$2,969	\$7,779	\$17,634
Marketing	\$251	\$917	\$1,757
Subtotal EDC Implementation Costs	\$3,257	\$8,743	\$19,571
EDC Evaluation Costs	\$185	\$710	\$876
SWE Audit Costs	\$65	\$207	\$957
Total EDC Costs <sup>[2]</sup>	\$5,289	\$16,718	\$34,657
Participant Costs <sup>[3]</sup> Total TRC Costs <sup>[4]</sup>			
TOTAL TRE COSTS			

# 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.

Costs shown above include startup expenses prior to June 1, 2013.

Negative values are the result of prior period adjustments in the current quarter and are reflected throughout the program level tables.

1 Includes the administrative ICSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, ICSP program management, general management oversight major accounts and technical assistance

<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.

<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

# 4.2 Program Level Expenditures

Program-specific finances are shown in the following tables.

Table 4-2: Summary of Program Finances - Res Appliance Turn-In

	Quarter 4 (\$1,000)	PYTD (\$1,000)	Phase II (\$1,000)
EDC Incentives to Participants	\$71	\$297	\$626
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$71	\$297	\$626
Design & Development	\$3	\$3	\$13
Administration, Management and Technical Assistance <sup>[1]</sup>	\$120	\$491	\$1,124
Marketing	\$35	\$146	\$309
Subtotal EDC Implementation Costs	\$157	\$640	\$1,446
EDC Evaluation Costs	\$2	\$19	\$24
SWE Audit Costs	\$5	\$15	\$68
Total EDC Costs <sup>[2]</sup>	\$234	\$971	\$2,163
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			

# 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 the administrative ICSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, ICSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.

<sup>&</sup>lt;sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs

Table 4-3: Summary of Program Finances – Res Energy Efficient Products

	Quarter 4 (\$1,000)	PYTD (\$1,000)	Phase II (\$1,000)
EDC Incentives to Participants	\$237	\$983	\$2,375
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$237	\$983	\$2,375
Design & Development	\$3	\$4	\$18
Administration, Management and Technical Assistance <sup>[1]</sup>	\$206	\$781	\$2,062
Marketing	\$54	\$163	\$241
Subtotal EDC Implementation Costs	\$263	\$948	\$2,320
EDC Evaluation Costs	\$24	\$106	\$122
SWE Audit Costs	\$6	\$19	\$92
Total EDC Costs <sup>[2]</sup>	\$531	\$2,056	\$4,910
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			

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 the administrative ICSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, ICSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.

Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs

Table 4-4: Summary of Program Finances – Res Home Performance

	Quarter 4 (\$1,000)	PYTD (\$1,000)	Phase II (\$1,000)
EDC Incentives to Participants	\$855	\$2,483	\$5,151
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$855	\$2,483	\$5,151
Design & Development	\$11	\$17	\$54
Administration, Management and Technical Assistance <sup>[1]</sup>	\$1,681	\$2,818	\$6,782
Marketing	\$82	\$293	\$677
Subtotal EDC Implementation Costs	\$1,774	\$3,128	\$7,513
EDC Evaluation Costs	\$20	\$55	\$93
SWE Audit Costs	\$19	\$77	\$284
Total EDC Costs <sup>[2]</sup>	\$2,668	\$5,743	\$13,041
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			

Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.

<sup>&</sup>lt;sup>1</sup> Includes the administrative ICSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, ICSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.

Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs

Table 4-5: Summary of Program Finances – Res Low Income

	Quarter 4 (\$1,000)	PYTD (\$1,000)	Phase II (\$1,000)
EDC Incentives to Participants	\$0	\$0	\$0
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$0	\$0	\$0
Design & Development	\$10	\$10	\$47
Administration, Management and Technical Assistance <sup>[1]</sup>	\$553	\$1,892	\$4,145
Marketing	\$0	\$1	\$17
Subtotal EDC Implementation Costs	\$563	\$1,903	\$4,210
EDC Evaluation Costs	\$57	\$129	\$160
SWE Audit Costs	\$18	\$40	\$254
Total EDC Costs <sup>[2]</sup>	\$638	\$2,072	\$4,624
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			

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 the administrative ICSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, ICSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.

<sup>&</sup>lt;sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>‡</sup> Total TRC Costs = Total EDC Costs + Participant Costs

<sup>&</sup>lt;sup>5</sup> Negative values represent accounting adjustments from prior periods.

Table 4-6: Summary of Program Finances – Small CI Efficient Equipment

	Quarter 4 (\$1,000)	PYTD (\$1,000)	Phase II (\$1,000)
EDC Incentives to Participants	\$164	\$1,041	\$1,942
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$164	\$1,041	\$1,942
Design & Development	\$4	\$6	\$22
Administration, Management and Technical Assistance <sup>[1]</sup>	\$169	\$761	\$1,523
Marketing	\$33	\$131	\$210
Subtotal EDC Implementation Costs	\$206	\$898	\$1,756
EDC Evaluation Costs	\$29	\$119	\$155
SWE Audit Costs	\$8	\$26	\$119
Total EDC Costs <sup>[2]</sup>	\$406	\$2,083	\$3,972
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			
		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.

<sup>&</sup>lt;sup>1</sup> Includes the administrative ICSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, ICSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.

Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs

Table 4-7: Summary of Program Finances – Small C/I Efficient Buildings

	Quarter 4 (\$1,000)	PYTD (\$1,000)	Phase II (\$1,000)
EDC Incentives to Participants	\$57	\$213	\$339
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$57	\$213	\$339
Design & Development	\$2	\$3	\$10
Administration, Management and Technical Assistance <sup>[1]</sup>	\$81	\$338	\$691
Marketing	\$24	\$87	\$148
Subtotal EDC Implementation Costs	\$107	\$428	\$849
EDC Evaluation Costs	\$3	\$18	\$22
SWE Audit Costs	\$3	\$11	\$51
Total EDC Costs <sup>[2]</sup>	\$170	\$670	\$1,261
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			

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.

Costs shown above include startup expenses prior to June 1, 2013.

<sup>&</sup>lt;sup>1</sup> Includes the administrative ICSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, ICSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.

<sup>&</sup>lt;sup>8</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

Table 4-8: Summary of Program Finances – Large C/I Efficient Equipment

	Quarter 4 (\$1,000)	PYTD (\$1,000)	Phase II (\$1,000)
EDC Incentives to Participants	\$307	\$1,460	\$2,198
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$307	\$1,460	\$2,198
Design & Development	\$1	\$2	\$7
Administration, Management and Technical Assistance <sup>[1]</sup>	\$84	\$372	\$615
Marketing	\$10	\$41	\$69
Subtotal EDC Implementation Costs	\$95	\$415	\$690
EDC Evaluation Costs	\$46	\$233	\$256
SWE Audit Costs	\$3	\$8	\$38
Total EDC Costs <sup>[2]</sup>	\$451	\$2,116	\$3,183
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			

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.

Costs shown above include startup expenses prior to June 1, 2013.

¹ Includes the administrative ICSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, ICSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.

Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

Table 4-9: Summary of Program Finances – Large C/I Efficient Buildings

	Quarter 4 (\$1,000)	PYTD (\$1,000)	Phase II (\$1,000)
EDC Incentives to Participants	\$86	\$565	\$568
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$86	\$565	\$568
Design & Development	\$1	\$1	\$5
Administration, Management and Technical Assistance <sup>[1]</sup>	\$50	\$234	\$381
Marketing	\$8	\$32	\$50
Subtotal EDC Implementation Costs	\$59	\$268	\$436
EDC Evaluation Costs	\$3	\$22	\$34
SWE Audit Costs	\$2	\$6	\$29
Total EDC Costs <sup>[2]</sup>	\$150	\$861	\$1,067
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			

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.

Costs shown above include startup expenses prior to June 1, 2013.

¹ Includes the administrative ICSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, ICSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.

Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

Table 4-10: Summary of Program Finances – Government and Institutional

	Quarter 4 (\$1,000)	PYTD (\$1,000)	Phase II (\$1,000)
EDC Incentives to Participants	\$6	\$18	\$54
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$6	\$18	\$54
Design & Development	\$1	\$1	\$4
Administration, Management and Technical Assistance <sup>[1]</sup>	\$26	\$92	\$311
Marketing	\$6	\$24	\$36
Subtotal EDC Implementation Costs	\$33	\$117	\$350
EDC Evaluation Costs	\$2	\$8	\$9
SWE Audit Costs	\$1	\$5	\$22
Total EDC Costs <sup>[2]</sup>	\$42	\$147	\$436
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			
NOTES		1	

Negative values represent accrual reversals that are greater than the current period expense.

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 the administrative ICSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, ICSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.

<sup>&</sup>lt;sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>1</sup> Total TRC Costs = Total EDC Costs + Participant Costs