# Quarterly and Preliminary Annual Report to the Pennsylvania Public Utility Commission

For the Period March 1, 2014 through May 31, 2014 Program Year 5, Quarter 4

For Pennsylvania Act 129 of 2008 Energy Efficiency and Conservation Plan

Prepared by Metropolitan Edison Company and ADM Associates, Inc.

For

Metropolitan Edison Company Docket No. M-2012-2334387 July 15, 2014

## **Table of Contents**

ABLE OF	CONTENTS	I
CRONYN	1S	
OVE	RVIEW OF PORTFOLIO	4
1.1	SUMMARY OF ACHIEVEMENTS	5
1.2	PROGRAM UPDATES AND FINDINGS	7
1.3	EVALUATION UPDATES AND FINDINGS	10
SUM	IMARY OF ENERGY IMPACTS BY PROGRAM	
SUM	IMARY OF DEMAND IMPACTS BY PROGRAM	
SUM	IMARY OF FINANCES	15
4.1	Portfolio Level Expenditures	15
4.2	PROGRAM LEVEL EXPENDITURES	16
	CRONYN OVE 1.1 1.2 1.3 SUM SUM 4.1	<ul> <li>1.2 PROGRAM UPDATES AND FINDINGS.</li> <li>1.3 EVALUATION UPDATES AND FINDINGS.</li> <li>SUMMARY OF ENERGY IMPACTS BY PROGRAM</li> <li>SUMMARY OF DEMAND IMPACTS BY PROGRAM</li> <li>SUMMARY OF FINANCES.</li> <li>4.1 PORTFOLIO LEVEL EXPENDITURES.</li> </ul>

# 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	Conservation Service Provider or 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
IQ	Incremental Quarter
kW	Kilowatt
kWh	Kilowatt-hour
LED	Light Emitting Diode
LEEP	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. Each EDC filed new EE&C plans with the PA PUC in late 2012 for Phase II (June 2013 through May 2016) of the Act 129 programs. 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 Metropolitan Edison Company (Met-Ed or Company) in the 4th quarter of Program Year 5 (PY5), defined as March 1, 2014 through May 31, 2014, as well as the cumulative accomplishments of the programs since inception of Phase II. This report documents 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 the savings. The verified savings for PY5 will be reported in the annual report, to be filed November 15, 2014.

## **1.1 Summary of Achievements**

Met-Ed has achieved 38.2 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 52.2 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 PY5) gross energy savings achieved through PY5Q4, as shown in Figure 1-1. (Phase II-Q)<sup>3</sup> is also shown in Figure 1-1.

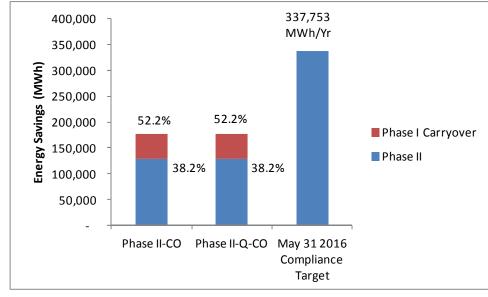
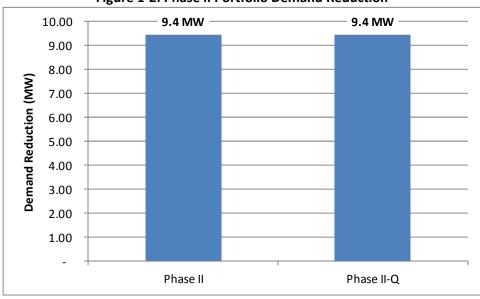


Figure 1-1: Cumulative Portfolio Phase 2 Inception to Date (Phase II) Energy Impacts

<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 program year of Phase II (Program Year 5), Phase II-Q Savings and CPP2ITD Savings will be the same as no savings will be verified for Phase II until November, after the end of Program Year 5.



Met-Ed has achieved 9.4 MW of demand reduction through PY5Q4<sup>4</sup>.

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. 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 low-income households divided by the total electricity consumption in the Met-Ed territory which is 8.8%.<sup>5</sup> The Phase II reported gross energy savings achieved in the low-income sector is 12,628 MWh/yr<sup>6</sup>; this is 9.8% percent of the Phase II total portfolio reported gross energy savings. This exceeds the goal of 4.5% of the Phase II savings.

Met-Ed achieved 4.8% of the May 31, 2016, energy reduction compliance target for government, nonprofit and institutional sector, based on Phase II reported gross energy savings, and 23.9% of the target based

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

<sup>&</sup>lt;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 126 archetypal measures and 39 broad measure categories. For low-Income reporting purposes, five of these 39 broad measure categories are offered at no cost to the Company's low-income residential customers.

<sup>&</sup>lt;sup>6</sup> These are preliminary estimates and are subject to change. Official results will be calculated through participant surveys. The survey instrument will be made available to SWE and other stakeholders for review.

on Phase II-Q-CO (or Phase II-CO until verified savings are available for PY5) gross energy savings achieved through PY5Q4, as shown in Figure 1-3.

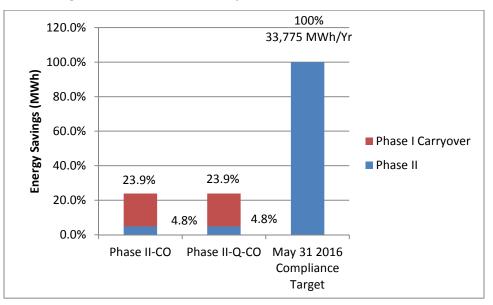


Figure 1-3: Government, Nonprofit, and Institutional Sectors<sup>7</sup>

## 1.2 Program Updates and Findings

#### • Appliance Turn-in:

Residential participation is tracking to PY6 forecasts. The company continues to market the program through bill inserts, television commercials, newspaper and internet advertisements.

## • Energy Efficient Products:

A direct mail piece was sent during Q4. Program is tracking ahead of goal in all four PA OPCOs primarily due to POS lighting sales and the consumer electronics program.

## • Home Performance:

New Construction: Participation is on pace to meet goals as of Q4.

Online Audit: The Company continues to send Energy Conservation Kits to customers as a result of completing an Online Audit. During Q4, over 2,400 kits were sent to Met-Ed customers as a result of completing an Online Audit.

Comprehensive Audit: There are no changes to the Comprehensive Audit program for Q4. Program is tracking to goal in Met-Ed primarily due to the work being performed by a particular

<sup>&</sup>lt;sup>7</sup> GNI results are comprised of participating customers in the Company's Government, Non-profit, and Institutional program, as well as GNI customers participating in the Company's Small and Large Commercial and Industrial Equipment and building programs.

contractor. Continue to recruit new contractors into program and market program to customers.

Behavior Modification: The HVAC portion of the Energy Efficient Products Program was highlighted in April reports.

Opt-in Kits: During Q4, over 11,000 Opt In Kits were shipped to customers in Met-Ed upon enrollment into the program.

Schools Kits: In April, the final performance of the Energized Guyz, a 25 minute performance about energy conservation, was performed for the 2013-2014 school year. Recruitment is underway to enroll schools for Fall 2014. During Q4, over 2,300 kits were sent as a result of the School Education Program in Met-Ed.

## • Low Income / WARM:

WARM Extra Measures/WARM Plus: Three heat pump water heater Installations were completed in the FE service areas. Two heat pump water heater webinars for all WARM (LIURP) and WARM Plus contractors were held March 25 and 27, 2014. Also, a concentrated effort is underway to increase coordination efforts between the gas companies and all WARM and WARM Plus contractors in serving our customers.

Multi Family: Continuing to identify Multi-Family units/customers for Met-Ed WARM Plus.

Low Income Low Use: Distributed energy savings measures such as kitchen aerators, showerheads, furnace filter whistles, and CFLs at low income events which were held throughout the FE service areas.

Behavioral Modification Program: WARM (LIURP) marketing module was issued to targeted FE low income customers that are receiving the Home Energy Report .

## • C/I Small Energy Efficient Equipment:

This program has been in operation since June 1, 2013; Company continues to receive and process applications under Phase II. The new CSP has updated the program website, including the on-line application forms, and has incorporated new measures that were approved under Phase II. The CSP has also developed new marketing plan and outreach strategies to customer and trade allies. The trade ally team has already reached out to many of the trade allies that were active under Phase I.

## • C/I Small Energy Efficient Buildings:

This program has been in operation since June 1, 2013. To date, Met-Ed has sent out 1,297 kits to customers in this program. The new CSP has updated the program website, including the online application forms, and has incorporated new measures that were approved under Phase II. The CSP has developed new marketing plan and outreach strategies to reach market actors in this market segment.

## • C/I Large Energy Efficient Equipment:

This program has been in operation since June 1, 2013; Company continues to receive and process applications under Phase II. The new CSP has updated the program website, including the on-line application forms, and has incorporated new measures that were approved under Phase II. The CSP has also developed new marketing plan and outreach strategies to customer and trade allies. The trade ally team has already reached out to many of the trade allies that were active under Phase I.

## • C/I Large Energy Efficient Buildings:

This program has been in operation since June 1, 2013. However, to date, we have no approved projects in this program. The new CSP has updated the program website, including the on-line application forms, and has incorporated new measures that were approved under Phase II. The CSP has developed new marketing plan and outreach strategies to reach market actors in this market segment.

## • Government & Institutional:

This program has been in operation since June 1, 2013; Company continues to receive and process applications under Phase II. The new CSP has updated the program website, including the on-line application forms, and has incorporated new measures that were approved under Phase II. The CSP has also developed new marketing plan and outreach strategies to customer and trade allies. The trade ally team has already reached out to many of the trade allies that were active under Phase I.

## 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

The PY5 EM&V plan for each program was completed in early September. ADM has communicated to the Company's implementation staff the data collection requirements and calculation procedures outlined in the 2013 PA TRM for measures offered under each program. Nonresidential lighting projects with ex ante savings above 1,000 MWh and other nonresidential projects with ex ante savings above 500 MWh are sampled with certainty and evaluated on an ongoing basis by ADM. In January 2014 ADM made the first formal data request for C/I project documentation. In addition to up-front evaluations for the larger projects, ADM has conducted approximately 20 on-site visits from the initial sample. ADM has pulled a second sample from all projects that are in the tracking and reporting system as of this writing. Upon reviewing program activity in PY5Q4, ADM has decided to increase the level of evaluation rigor associated with CFL conservation kits mailed to C/I customers<sup>8</sup>. As a result, ADM will meter 100 to 150 additional facilities to establish hours of use and coincidence factors for CFLs installed in the nonresidential sector.

ADM has completed a desk review of CFL wattage equivalency for the upstream CFL program. ADM found general agreement between reported and verified impacts, and some minor differences between reported and verified parameters for certain lamps have been communicated with the Company's implementation team.

To date, ADM has completed approximately 1,700 online and telephone verification surveys (across the four FirstEnergy PA EDCs) for residential programs. The surveys are expected to continue through July.

<sup>&</sup>lt;sup>8</sup> According to ADM's PY5 evaluation plan, groups of individual projects that are expected to have correlated realization rates may be promoted to "high-impact" measures, and would warrant evaluation at high level of rigor.

## 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.

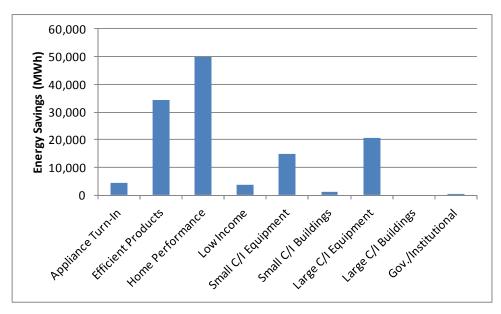
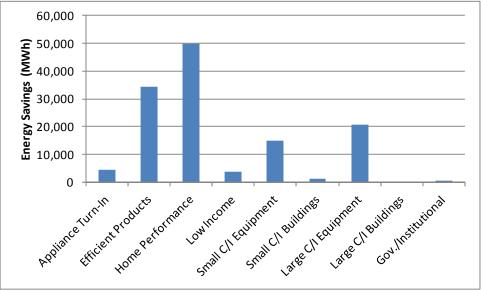


Figure 2-1: Phase II Reported Gross Energy Savings by Program





A summary of energy impacts by program through PY5Q4 is presented in Table 2-1.

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

				Reported Gross Impact			_
Drogram	10	Participants PYTD	Phase II	10	(MWh PYTD	/Year) Phase II	Dhase II O
Program Appliance Turn-In	IQ 1,237	5,280	5,280	IQ 983	4,220	4,220	Phase II-Q 4,220
Energy Efficient Products	57,788	248,042	248,042	8,811	34,220	34,220	34,220
Home Performance	16,041	61,992	61,992	12,936	49,686	49,686	49,686
Low Income / WARM	1,342	9,836	9,836	455	3,723	3,723	3,723
C/I Small Energy Efficient Equipment	140	286	286	8,311	14,991	14,991	14,991
C/I Small Energy Efficient Buildings	1,297	1,297	1,297	1,210	1,210	1,210	1,210
C/I Large Energy Efficient Equipment	28	51	51	13,399	20,713	20,713	20,713
C/I Large Energy Efficient Buildings	0	0	0	0	0	0	0
Government, & Institutional	7	17	17	143	331	331	331
TOTAL PORTFOLIO	77,880	326,801	326,801	46,249	129,092	129,092	129,092
Carry Over Savings from Phase I <sup>9</sup>							47,187
Total Phase II-Q-CO							176,279

<sup>&</sup>lt;sup>9</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.

## 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.

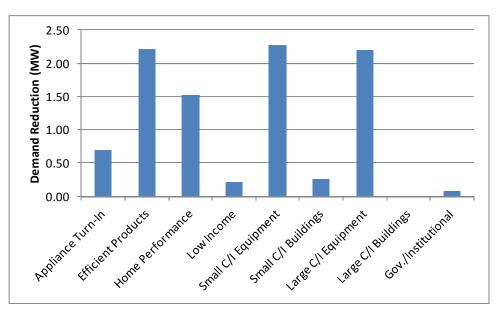
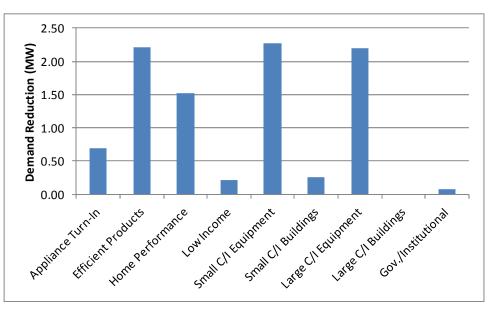


Figure 3-1: Phase II Demand Reduction by Program

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



A summary of total demand reduction impacts by program through PY5Q4 is presented in Table 3-1.

					Reported Gr	ross Impact	
	F	Participants		(MW)			
Program	IQ	PYTD	Phase II	IQ	PYTD	Phase II	Phase II-Q
Appliance Turn-In	1,237	5,280	5,280	0.15	0.69	0.69	0.69
Energy Efficient Products	57,788	248,042	248,042	0.66	2.22	2.22	2.22
Home Performance	16,041	61,992	61,992	0.43	1.52	1.52	1.52
Low Income / WARM	1,342	9,836	9,836	0.03	0.21	0.21	0.21
C/I Small Energy Efficient Equipment	140	286	286	1.32	2.27	2.27	2.27
C/I Small Energy Efficient Buildings	1,297	1,297	1,297	0.25	0.25	0.25	0.25
C/I Large Energy Efficient Equipment	28	51	51	1.28	2.20	2.20	2.20
C/I Large Energy Efficient Buildings	0	0	0	0.00	0.00	0.00	0.00
Government, & Institutional	7	17	17	0.03	0.07	0.07	0.07
TOTAL PORTFOLIO	77,880	326,801	326,801	4.15	9.44	9.44	9.44

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

## 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	\$2,358	\$6,992	\$6,992
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$2,358	\$6,992	\$6,992
Design & Development	\$4	\$145	\$145
Administration, Management and Technical Assistance <sup>[1]</sup>	\$3,000	\$9,838	\$9,838
Marketing	\$210	\$831	\$831
Subtotal EDC Implementation Costs	\$3,215	\$10,814	\$10,814
EDC Evaluation Costs	\$136	\$220	\$220
SWE Audit Costs	\$250	\$750	\$750
Total EDC Costs <sup>[2]</sup>	\$5,958	\$18,776	\$18,776
Participant Costs <sup>[3]</sup>	\$0	\$0	\$0
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.

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

<sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program 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. <sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs

## 4.2 Program Level Expenditures

Program-specific finances are shown in the following tables.

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

	Quarter 4 (\$1,000)	PYTD (\$1,000)	Phase II (\$1,000)
EDC Incentives to Participants	\$70	\$289	\$289
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$70	\$289	\$289
	4.5	4.5	415
Design & Development	\$0	\$12	\$12
Administration, Management and Technical Assistance <sup>[1]</sup>	\$123	\$556	\$556
Marketing	\$35	\$142	\$142
Subtotal EDC Implementation Costs	\$158	\$710	\$710
EDC Evaluation Costs	\$5	\$8	\$8
SWE Audit Costs	\$21	\$62	\$62
Total EDC Costs <sup>[2]</sup>	\$253	\$1,069	\$1,069
Participant Costs <sup>[3]</sup>	\$0	\$0	\$0
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.

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

<sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program 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.

	Quarter 4 (\$1,000)	PYTD (\$1,000)	Phase II (\$1,000)
EDC Incentives to Participants	\$287	\$1,803	\$1,803
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$287	\$1,803	\$1,803
		1	
Design & Development	\$0	\$15	\$15
Administration, Management and Technical Assistance <sup>[1]</sup>	\$264	\$1,468	\$1,468
Marketing	\$33	\$91	\$91
Subtotal EDC Implementation Costs	\$297	\$1,575	\$1,575
EDC Evaluation Costs	\$13	\$23	\$23
SWE Audit Costs	\$27	\$80	\$80
Total EDC Costs <sup>[2]</sup>	\$624	\$3,480	\$3,480
Participant Costs <sup>[3]</sup>	\$0	\$0	\$0
Total TRC Costs <sup>[4]</sup>			

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

#### 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.

<sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program 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.

	Quarter 4 (\$1,000)	PYTD (\$1,000)	Phase II (\$1,000)
EDC Incentives to Participants	\$788	\$2,988	\$2,988
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$788	\$2,988	\$2,988
Design & Development	\$1	\$44	\$44
Administration, Management and Technical Assistance <sup>[1]</sup>	\$1,700	\$4,397	\$4,397
Marketing	\$52	\$389	\$389
Subtotal EDC Implementation Costs	\$1,754	\$4,831	\$4,831
EDC Evaluation Costs	\$17	\$30	\$30
SWE Audit Costs	\$75	\$227	\$227
Total EDC Costs <sup>[2]</sup>	\$2,634	\$8,075	\$8,075
Participant Costs <sup>[3]</sup>	\$0	\$0	\$0
Total TRC Costs <sup>[4]</sup>			

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

## 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.

<sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program 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.

	Quarter 4 (\$1,000)	PYTD (\$1,000)	Phase II (\$1,000)
EDC Incentives to Participants	-\$1	-\$1	-\$1
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	-\$1	-\$1	-\$1
Design & Development	\$1	\$33	\$33
Administration, Management and Technical Assistance <sup>[1]</sup>	\$477	\$1,480	\$1,480
Marketing	\$0	\$5	\$5
Subtotal EDC Implementation Costs	\$478	\$1,518	\$1,518
EDC Evaluation Costs	\$35	\$71	\$71
SWE Audit Costs	\$58	\$173	\$173
Total EDC Costs <sup>[2]</sup>	\$569	\$1,760	\$1,760
Participant Costs <sup>[3]</sup>	\$0	\$0	\$0
Total TRC Costs <sup>[4]</sup>			

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

#### 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.

<sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program 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.

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

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

	Quarter 4 (\$1,000)	PYTD (\$1,000)	Phase II (\$1,000)
EDC Incentives to Participants	\$469	\$811	\$811
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$469	\$811	\$811
	\$1	\$18	\$18
Design & Development	ŞΙ	\$10	\$10
Administration, Management and Technical Assistance <sup>[1]</sup>	\$177	\$883	\$883
Marketing	\$37	\$88	\$88
Subtotal EDC Implementation Costs	\$215	\$989	\$989
	\$24	\$32	\$32
EDC Evaluation Costs	ΥZŦ	22	,JZ
SWE Audit Costs	\$31	\$93	\$93
Total EDC Costs <sup>[2]</sup>	\$739	\$1,926	\$1,926
Participant Costs <sup>[3]</sup>	\$0	\$0	\$0
Fotal TRC Costs <sup>[4]</sup>			

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

#### 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.

<sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program 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.

Quarter 4 (\$1,000)	PYTD (\$1,000)	Phase II (\$1,000)
\$67	\$67	\$67
\$0	\$0	\$0
\$67	\$67	\$67
\$0	\$6	\$6
\$29	\$175	\$175
\$14	\$26	\$26
\$43	\$207	\$207
\$2	\$4	\$4
\$11	\$32	\$32
\$123	\$310	\$310
\$0	\$0	\$0
	(\$1,000) \$67 \$0 \$67 \$0 \$29 \$14 \$43 \$43 \$2 \$123	Quarter v         (\$1,000)           \$67         \$67           \$0         \$0           \$67         \$67           \$0         \$67           \$67         \$67           \$1         \$67           \$14         \$26           \$43         \$207           \$2         \$4           \$11         \$32           \$123         \$310

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

#### 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.

<sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program 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.

	Quarter 4 (\$1,000)	PYTD (\$1,000)	Phase II (\$1,000)
EDC Incentives to Participants	\$669	\$1,022	\$1,022
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$669	\$1,022	\$1,022
		1	
Design & Development	\$0	\$9	\$9
Administration, Management and Technical Assistance <sup>[1]</sup>	\$174	\$621	\$621
Marketing	\$28	\$67	\$67
Subtotal EDC Implementation Costs	\$203	\$697	\$697
EDC Evaluation Costs	\$39	\$48	\$48
SWE Audit Costs	\$16	\$47	\$47
Total EDC Costs <sup>[2]</sup>	\$926	\$1,814	\$1,814
Participant Costs <sup>[3]</sup>	\$0	\$0	\$0
Total TRC Costs <sup>[4]</sup>			

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

#### 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.

<sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program 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.

	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	\$0	\$5	\$5
Administration, Management and Technical Assistance <sup>[1]</sup>	\$45	\$201	\$201
Marketing	\$9	\$22	\$22
Subtotal EDC Implementation Costs	\$54	\$227	\$227
EDC Evaluation Costs	\$2	\$3	\$3
SWE Audit Costs	\$8	\$23	\$23
Total EDC Costs <sup>[2]</sup>	\$63	\$253	\$253
Participant Costs <sup>[3]</sup>	\$0	\$0	\$0
Total TRC Costs <sup>[4]</sup>			

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

#### 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.

<sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program 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.

Quarter 4 (\$1,000)	PYTD (\$1,000)	Phase II (\$1,000)
\$8	\$13	\$13
\$0	\$0	\$0
\$8	\$13	\$13
\$0	\$3	\$3
\$12	\$57	\$57
\$1	\$2	\$2
\$13	\$61	\$61
\$1	\$2	\$2
\$4	\$13	\$13
\$26	\$89	\$89
\$0	\$0	\$0
	(\$1,000) \$8 \$0 \$8 \$0 \$12 \$12 \$11 \$13 \$13 \$13 \$13 \$14 \$4 \$26	Councert         (\$1,000)           \$8         \$13           \$0         \$0           \$8         \$13           \$0         \$0           \$8         \$13           \$12         \$57           \$1         \$2           \$13         \$61           \$1         \$2           \$1         \$2           \$13         \$61           \$1         \$2           \$1         \$2           \$1         \$2           \$1         \$2           \$13         \$61           \$2         \$13

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

#### NOTES

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.

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

<sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program 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.