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RECEIVED

OCT 15 2014

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

October 15, 2014

Via Federal Express

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

**Re: PUC Docket No. M-2008-2069887
Energy Efficiency and Conservation Program Quarterly Report for
June 1, 2014 through August 31, 2014**

Dear Secretary Chiavetta:

In accordance with the Commission's Secretarial Letter dated May 25, 2011, enclosed is PECO's Quarterly Energy Efficiency & Conservation Report for the period June 1, 2014 through August 31, 2014.

PECO is providing a copy of the report to the Act 129 Statewide Evaluator (GDS Associates, Inc.) and is also posting the report on the PECO website.

Please acknowledge receipt of the foregoing on the enclosed copy of this letter.

If you have any further questions regarding this matter, please call me at 215-841-5777.

Sincerely,



cc: C. Walker-Davis, Director, Office of Special Assistants
P. T. Diskin, Director, Bureau of Technical Utility Services
D. P. Hosler, Director, Bureau of Audits
J. E. Simms, Director, Bureau of Investigation & Enforcement
Office of Consumer Advocate
Office of Small Business Advocate
McNees, Wallace & Nurick

enclosures

Quarterly Report to the Pennsylvania Public Utility Commission

For the Period
June 2014 through August 2014
Program Year 6, Quarter 1

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OCT 15 2014

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

For Pennsylvania Act 129 of 2008
Energy Efficiency and Conservation Plan

Prepared by Navigant Consulting, Inc.

For

PECO Energy Company

October 15, 2014

Table of Contents

ACRONYMS	ii
1 OVERVIEW OF PORTFOLIO	1
1.1 CARRY-OVER SAVINGS.....	2
1.2 SUMMARY OF ACHIEVEMENTS.....	3
1.3 PROGRAM UPDATES AND FINDINGS.....	6
1.4 EVALUATION UPDATES AND FINDINGS.....	10
2 SUMMARY OF ENERGY IMPACTS BY PROGRAM	14
3 SUMMARY OF DEMAND IMPACTS BY PROGRAM	17
4 SUMMARY OF FINANCES	20
4.1 PORTFOLIO LEVEL EXPENDITURES.....	20
4.2 PROGRAM LEVEL EXPENDITURES.....	21

Acronyms

ASHP	Air Source Heat Pump
C&I	Commercial and Industrial
CATI	Computer-Aided Telephone Interview
CDO	Commercial Date of Operation
CFL	Compact Fluorescent Lamp
CHP	Combined Heat and Power
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	<i>Electric Distribution Company</i>
EDI	Electronic Data Interchange
EE&C	Energy Efficiency and Conservation
EM&V	Evaluation, Measurement, and Verification
GNI	Government, Nonprofit, Institutional
HER	Home Energy Reports
HVAC	Heating, Ventilating, and Air Conditioning
IC	Implementation Contractor
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
PECO	PECO Energy Company
Phase II	June 1, 2013 to May 31, 2016

Phase II Savings	Cumulative Program/Portfolio Phase II Inception to Date
Phase II-CO Savings	Cumulative Program/Portfolio Phase II Inception to Date including Carry Over Savings from Phase I
Phase II-Q Savings	Phase II verified gross savings from the beginning of Phase II + PYTD reported gross savings.
Phase II-Q-CO Savings	Phase II verified gross savings from the beginning of Phase II + verified Carry Over Savings from Phase I + PYTD reported gross savings
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
RAP	Resource Action Programs
RCT	Randomized Controlled Trial
SAR	Smart Appliance Recycling
SBR	Smart Builder Rebates
SBS	Smart Business Solutions
SCI	Smart Construction Incentives
SEER	Seasonal Energy Efficiency Rating
SEI	Smart Equipment Incentives
SES	Smart Energy Saver
SMFS	Smart Multifamily Solutions
SOS	Smart On-Site
SUP	Smart Usage Profile
SWE	Statewide Evaluator
TRC	Total Resource Cost
TRM	Technical Reference Manual

1 Overview of Portfolio

Pennsylvania Act 129, 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 the Pennsylvania Public Utility Commission (PA PUC) approved—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. The PA PUC subsequently approved these plans 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 the PECO Energy Company (PECO) in the first quarter (Q1) of Program Year 6 (PY6), defined as June 1, 2014 through August 31, 2014, as well as the cumulative accomplishments of the programs since inception of Phase II. Additionally, this report is structured to document the verified energy savings carried over from Phase I. The Phase I carry-over savings count towards EDC savings compliance targets for Phase II.

Navigant Consulting, Inc. (Navigant) is evaluating the programs, which includes measurement and verification of the savings. Navigant will report the verified savings for PY6 in the annual report, which PECO will file on November 15, 2015.

1.1 Carry-Over Savings

According to the Phase II Implementation Order, PECO is allowed by the PA PUC to “carry over” megawatt-hour (MWh) savings in excess of its Phase I compliance target into Phase II of Act 129. The total, technical reference manual (TRM) verified savings PECO reported for Phase I was 1,399,242 MWh. The PA PUC tentatively accepted this value in its Act 129 Phase I Compliance Determination Order.¹¹ At the time PECO filed its Phase I Final Report, there were three Combined Heat and Power (CHP) projects (one in the commercial and industrial [C&I] sector, two in the government, nonprofit, institutional [GNI] sector) that had “commercial dates of operation” (CDO) in Phase I, but were completed too late in the program year for Navigant to fully verify them. Per the statewide evaluator’s (SWE’s) September 13, 2013 guidance memo on reporting unverified savings,¹² PECO presented reported (unverified) savings for these projects in the Phase I Report. Navigant has since fully evaluated these three projects, and their verified savings total 25,101 MWh. In combination with the TRM-verified savings from Phase I, PECO’s total, TRM-verified savings from Phase I is therefore 1,424,343 MWh. This amount exceeds PECO’s Phase I compliance target of 1,181,550 MWh by 242,793 MWh, which is the amount that PECO is carrying over into Phase II. Table 1-1 summarizes these savings.

Table 1-1: Savings from Phase I Carried into Phase II

	Savings (MWh)
Phase I TRM-Verified Savings Excluding CHP	1,399,242
Phase I CHP Verified Savings	25,101
Total Phase I Verified Savings	1,424,343
Phase I Energy Compliance Target	1,181,550
Verified Carry-Over Savings	242,793

Source: Navigant analysis

¹¹ Pennsylvania Public Utilities Commission, *Act 129 Phase I Compliance Determination Order*, March 20, 2014, p.6.

¹² Statewide Evaluator, *Guidance Memo GM-021, Reporting Unverified Energy and Peak Demand Savings for Phase I Projects in the Act 129 Phase I Final Report* (September 13, 2013).

1.2 Summary of Achievements

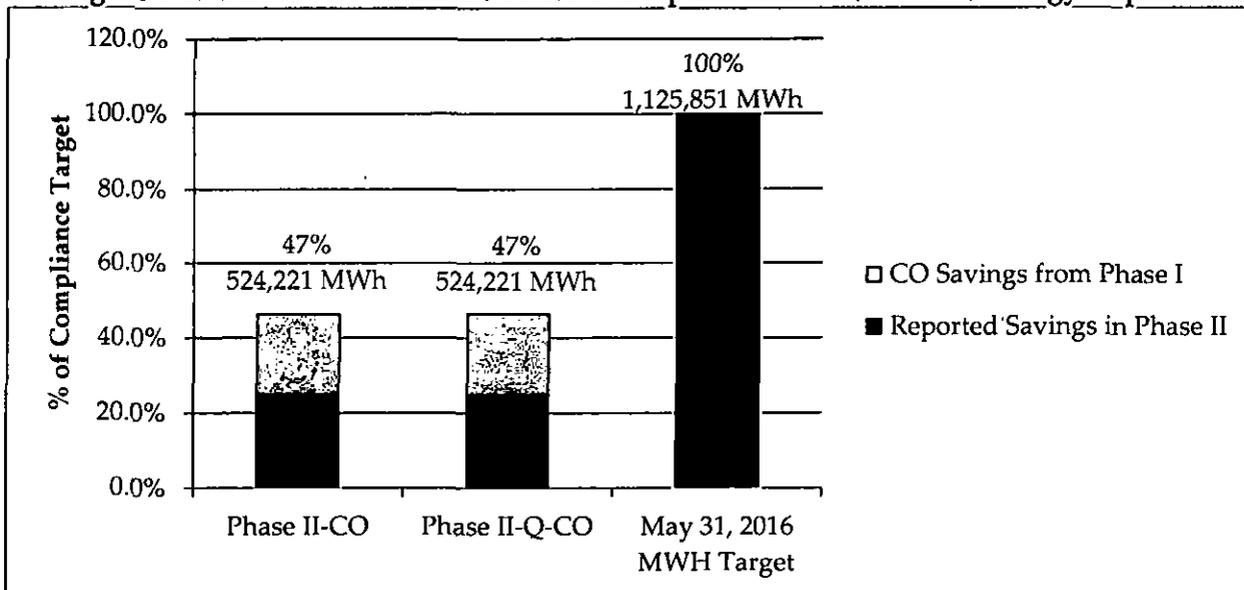
PECO has achieved 47 percent of the May 31, 2016 energy savings compliance target, based on cumulative program inception to date (Phase II) reported gross energy savings,¹ and 47 percent of the energy savings compliance target, based on Phase II-Q-CO² (which will equal Phase II-CO until verified savings are available for PY5) gross energy savings achieved through Q1, as shown in Figure 1-1. Figure 1-1 also shows Phase II-Q.³

¹ Phase II reported gross savings are the 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.

² Phase II-Q-CO gross savings are the Phase II verified gross savings from the beginning of Phase II, including verified carry-over savings from Phase I, added to the program year to date (PYTD) reported gross savings.

³ Phase II-Q gross savings are the cumulative program inception to date (CPITD) verified gross savings from the beginning of Phase II plus the PYTD reported gross savings. Phase II-Q gross savings exclude 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 (PY5), Phase II-Q savings and Phase II reported gross savings will be the same, as no savings will be verified for Phase II until November, after the end of PY5.

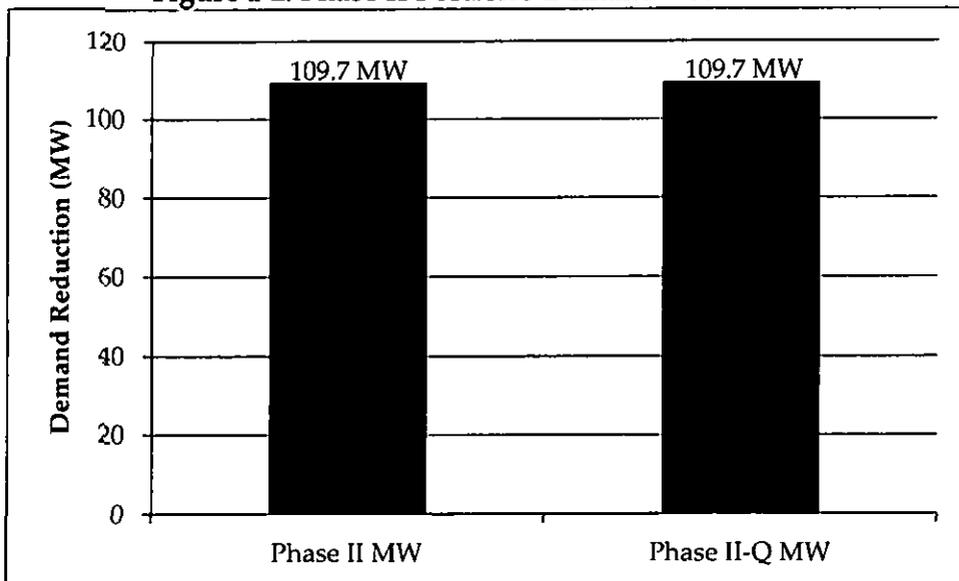
Figure 1-1: Cumulative Portfolio Phase 2 Inception to Date (Phase II) Energy Impacts⁴



⁴ Phase II-CO is the cumulative program/portfolio savings from the inception of Phase II to date, including carry-over savings from Phase I. Phase II-Q-CO is the verified gross savings from the beginning of Phase II plus the verified carry-over savings from Phase I and PYTD reported gross savings.

PECO has achieved 109.7 MW of demand reduction through the end of PY6 Q1⁵, as shown in Figure 1-2.

Figure 1-2: Phase II Portfolio Demand Reduction^{6,7}



There are 18 measures available to the low-income sector at no cost to the customer. These measures offered to the low-income sector therefore compose 14 percent of the total measures offered. This exceeds the Phase II goal, which is the fraction of the electric consumption of the utility’s low-income households divided by the total electricity consumption in the PECO territory (8.8 percent).⁸ The Phase II reported gross energy savings achieved in the low-income sector is 18,245 MWh.

⁵ Unlike Phase I, there is no compliance target for demand reduction in Phase II.

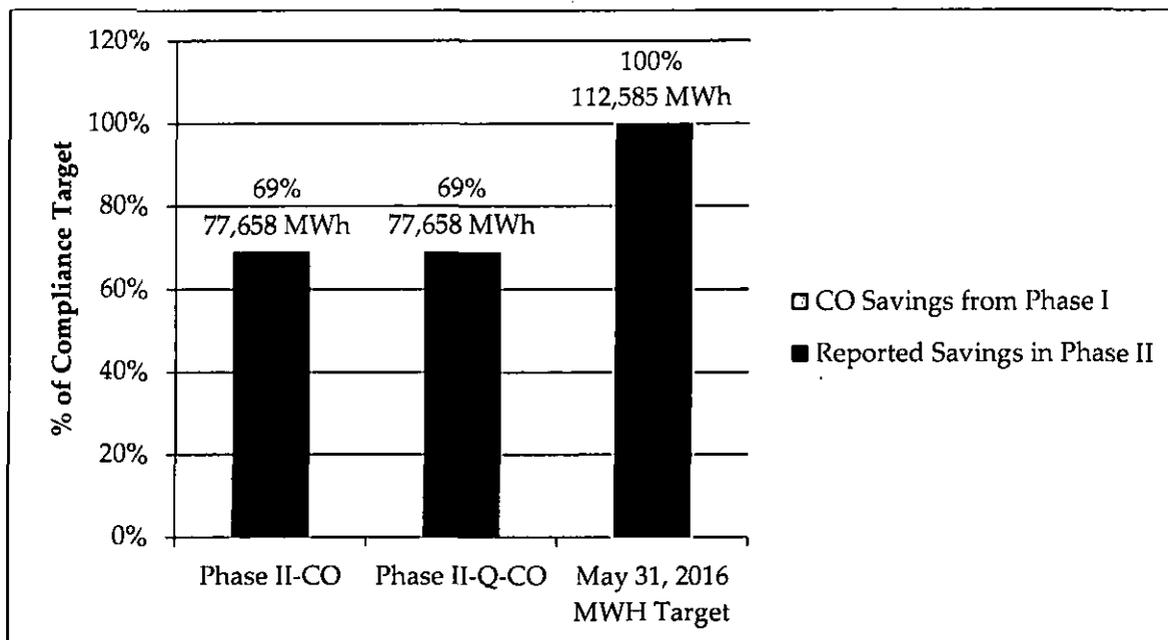
⁶ Phase II MW = Phase II demand savings to date.

⁷ Phase II-Q MW = Phase II verified gross demand savings from the beginning of Phase II + PYTD reported gross demand savings.

⁸ 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).

PECO achieved 69 percent of the May 31, 2016 energy reduction compliance target for the GNI sector, based on Phase II reported gross energy savings, and 69 percent of the target, based on Phase II-Q-CO (or Phase II-CO until verified savings are available for PY5) gross energy savings achieved through Q1, as shown in Figure 1-3.

Figure 1-3: Government, Nonprofit, and Institutional Sector



1.3 Program Updates and Findings

- Smart Appliance Recycling (SAR) Program:** The residential component of the SAR program continues to show strong participation. PY6 Q1 had approximately 2,766 participants, with 2,892 units being recycled. Compared to PY5 Q1 when 1,793 units were recycled, the PY6 Q1 program recycled almost 1½ times the number of units during the same quarter. More units were recycled in PY6 Q1 than any quarter in PY5, when the highest number of appliances (2,441) were recycled in PY5 Q2. Refrigerators made up 84 percent of the PY6 Q1 recycled units. Additionally, new appliances replaced 55 percent of recycled units. For the Non-Residential component (under SEI), there were 12 participants that recycled 14 units. Refrigerators comprised 13 of the 14 units and only one freezer was recycled. Approximately, new appliances replaced 29 percent of the non-residential units.

Review of the Q1 data found all accurate and consistent unit and financial reporting. However, the summary extract continues to report orders or pickups by JACO, which is less than the number of units recycled. This continues to create a disparity between pickups and participants.

- **Smart Home Rebates Program:** In PY6 Q1, lighting measures produced 75 percent of Smart Home Rebate's program energy savings and 55 percent of its demand savings (as compared with 90 percent and 61 percent, respectively, in PY5). Non-lighting measures produced the remaining 25 percent of energy savings and 45 percent of demand. For the second quarter in a row, fuel-switching measures constituted the largest contributor to savings in this category.
- **Smart House Call Program:** This program launched in PY5 at the start of Phase II for the residential sector. There were 606 new participants in PY6 Q1, 566 of whom had one or more program measures installed as of the end of PY6 Q1 (some participants have an audit or assessment performed but to have any direct install measures implemented at the time of the walk through). For comparison, there were 742 new participants in PY5 Q4 and 1,180 total verified participants overall as of the end of PY5. Reported energy savings in PY6 Q1 are 401,898 kWh and peak demand savings are 51.95 kW. Out of the 606 new participants, 430 received assessments and 176 received audits. In addition, 57 participants, who had previously received an audit, had 60 major measures installed in their homes (such as insulation, air sealing, air source heat pump duct sealing, and maintenance). These major measures are typically installed by participating program contractors and go beyond the direct install measures, which only include such things as energy efficient light bulbs, and smart power strips that are installed during assessments and audits. Overall, measures installed to date include electric water heater pipe insulation; ENERGY STAR® CFLs, LEDs, and LED nightlights; low-flow faucet aerators and showerheads; smart strip plug outlets; air source heat pump (ASHP) duct sealing; ASHP maintenance; attic and wall insulation; and air sealing. The evaluator expects the program design to remain as detailed in the approved Phase II EE&C plan, using a two-tier approach, with a general walk-through assessment available to all PECO residential electric customers and a more comprehensive audit available only to PECO residential electric heat rate customers.
- **Smart Builder Rebates (SBR) Program:** Program activities for Q1 focused on builder education, outreach, and enrollment, through industry meetings (HBA, BIA) and in-person meetings with builders. The program saw three new program homes completed in Q1. The program expected several more homes to be completed in Q1 but faced delays due to inspections. The program currently has 71 homes in the queue, with 10 homes expected to be completed in September and 104 needed to meet the Phase II goal.

However, recently completed homes are achieving higher energy savings than expecting, so the program might not need 104 homes to reach the savings target.

- **Smart Energy Saver (SES) Program:** In the first quarter of PY6, PECO made progress in preparing for the new school year. PECO program staff worked with Resource Action Programs (RAP), the program implementer, to update program materials and prepare for this year's teacher recruitment process.
- **Smart Usage Profile (SUP) Program:** This program is a residential behavior program. In Q1 of PY5, the IC implemented a Randomized Controlled Trial (RCT) by randomly allocating eligible households to a participant group of 44,803 households and a control group of 28,000 households. In Q1 of PY6, the program enrolled an additional wave of 45,000 treatment and 18,750 control customers. Both participant waves will continue to receive reports through PY7.
- **Smart Multifamily Solutions (SMFS) Program:** During this quarter 2,914 total participants covering the residential sector (2,757 participants), C&I sector (156 participants), and GNI sector (1 participant) received cost-free direct installation measures. The program claimed a reported 1,980 MWh total energy savings with 0.2 MW of demand reduction this quarter.
- **Low-Income Energy Efficiency Program:** Participation remains at levels similar to PY5 quarterly participation with 2,459 participants receiving audits as part of Component 1. The large majority of the audits were electric baseload audits. As part of Component 2, the Low-Income Usage Reduction program (LIURP) program installed 7,332 bulbs in participants' homes, up significantly from PY5 Q4. As part of Component 3, the program distributed 73,220 bulbs to low-income customers, an increase from PY5 Q4. As part of Component 4, the program replaced 897 refrigerators and removed eight extra units.
- **Smart Equipment Incentives (SEI) Commercial and Industrial Program:** 200 total retrofit project participants received rebates from the SEI C&I program in PY6 Q1. The 200 participants completed 209 total projects. The total number of projects completed in PY5 was 329, so the 209 projects completed in PY6 Q1 are about 64 percent of the total projects completed in PY5. The reported energy savings in PY6 Q1 are about 45 percent of the total savings reported in PY5. Similarly, the PY6 Q1 reported demand savings are about 38 percent of the PY5 reported savings. Therefore, the PY6 Q1 projects have been smaller on average than those completed in PY5. However, the participation and savings in the first quarter of PY6 show that the SEI C&I program is larger overall in PY6 than it was in PY5.

- **Smart Equipment Incentives Government, Nonprofit, and Institutional Program:** 50 total retrofit project participants received rebates from the SEI GNI program in PY6 Q1. Each participant completed one project, thus the total number of projects completed is also 50. The total number of projects completed in PY5 was 101, so the 50 projects completed in PY6 Q1 are about half of the total projects completed in PY5. The reported energy savings in PY6 Q1 are about 44 percent of the total savings reported in PY5. Similarly, the PY6 Q1 reported demand savings are about 40 percent of the PY5 reported savings. Therefore, the PY6 Q1 projects have been smaller on average than those completed in PY5. However, the participation and savings in the first quarter of PY6 show that the SEI GNI program is larger overall in PY6 than it was in PY5.
- **Smart Construction Incentives (SCI) Program:** 12 total new construction projects received rebates from the SCI program in PY6 Q1. The total number of projects completed in PY5 was 29, so the 12 projects completed in PY6 Q1 are about 41 percent of the total projects completed in PY5. The reported energy savings in PY6 Q1 are about 52 percent of the total savings reported in PY5. Similarly, the PY6 Q1 reported demand savings are about 48 percent of the PY5 reported savings. Therefore, the PY6 Q1 projects have been slightly larger on average than those completed in PY5. Overall, the participation and savings in the first quarter of PY6 show that the SCI program is larger overall in PY6 than it was in PY5.
- **Smart Business Solutions (SBS) Program:** SBS program activity in Q1 declined from its peak of 240 projects in Q4, completing 150 projects in the quarter. These projects resulted in over 4,500 MWh of annualized energy savings and 0.7 MW of demand reduction. The program began installing refrigeration measures in Q1, including 258 high-efficiency evaporator fan motors and efficient anti-sweat heater controls on 303 refrigerated display case doors.
- **Smart On-Site (SOS) Program:** The program did not process any combined heat and power projects in Q1. However, the program is tracking the progress of several projects that appear likely to be completed prior to the end of Phase II. There are currently four projects with estimated completion dates in Phase II and have reserved incentive funds. Another three projects are in advanced stages of project development, but still need to submit an application requesting incentive funds.
- **Residential Smart Air-Conditioning (A/C) Saver Program:** The Residential Smart A/C Saver program had 71,586 registered participants representing 83,257 devices at the end of PY6 Q1. The Residential Smart A/C Saver Program was active during Q1 and will remain active until the 2014 cooling season ends on September 30, 2014.

- **Commercial Smart A/C Saver Program:** The Commercial Smart A/C Saver program had 1,954 registered participants representing 3,450 devices at the end of PY6 Q1. The Commercial Smart A/C Saver Program was active during Q1 and will remain active until the 2014 cooling season ends on September 30, 2014.

1.4 Evaluation Updates and Findings

- **Smart Appliance Recycling Program:** Navigant is finalizing the annual program report, which will contain findings and recommendations related to:
 - Improvements in data collected by JACO and stored in SIDS, such as whether appliances were in conditioned spaces;
 - Rationalizing participant definition. Quarterly reports use JACO orders (actually pickups as the participant metric). The PECO Energy Efficiency plan defines participation as number of units collected.
 - Outreach to and coordination with area retailers to develop more active retailer roles in the program
 - Outreach to and coordination with property owners to divert more units from the used appliance markets.
- **Smart Home Rebates Program:** The measurement and verification (M&V) activities for the first quarter of PY6 focused on finalizing evaluation from the previous program year. That research found slightly higher realization rates than expected (1.02) due to a difference in the baseline selected to develop ex ante lighting savings estimates. Process findings identified an otherwise accurate tracking system as well as high-levels of participant satisfaction.
- **Smart House Call Program:** The M&V completed in PY6 Q1 consisted of reviewing the tracking data provided to the evaluation team by PECO program staff, as well as reviewing all invoices from the CSP received and approved by PECO for labor and on-site audit and assessment costs through the end of August 2014. After confirming consistency between the CSP invoices and the program tracking data, Navigant used the tracking data to verify the reported PY6 Q1, PYTD, and Phase II savings.
- **Smart Builder Rebates Program:** Navigant evaluation activities for Q1 focused on completing the PY5 research report.
- **Smart Energy Saver:** First quarter PY6 evaluation activities were limited to developing a draft evaluation plan, providing PECO staff with guidance regarding TRM values and

calculations based on PY5 evaluation findings, and reviewing the draft student surveys to ensure the surveys capture the data needed for evaluation.

- **Smart Usage Profile Program:** The M&V completed in PY6 Q1 included verifying that customers were randomly assigned to the participant and control groups, consistent with a Randomized Controlled Trial design.
- **Smart Multifamily Solutions Program:** As part of the PY6 evaluation activities, the team will conduct full NTG research and process evaluation in conjunction with on-site verification visits and file reviews. The evaluation team will complete a sample design based on Q1 and Q2 completed projects to achieve an 85/15 (or better) level of confidence and relative precision at the program level. The team plans to begin post-installation field verification in March 2015. Navigant plans to complete in-depth interviews with PECO / Franklin Energy personnel by March 2015, to assess the effectiveness of the program and to identify any barriers or potential improvements to the program implementation. Navigant will design participant interview guides by January 2015 and they expect to complete the field surveys by July 2015.
- **Low-Income Energy Efficiency Program:** Navigant is finalizing the annual research report, which will contain findings and recommendations related to:
 - Developing an Energy Use Index (EUI) approach to program eligibility and/or service priority to supplement the current absolute usage requirements. A EUI-based approach should capture a higher percentage of Component 1 households where an audit and measure installations can produce significant savings.
 - Diversifying the measure mix to move away from reliance on CFLs as the largest source of program savings;
 - Updating the educational materials provided to Component 1 participants to include more home electronic devices and generally refresh and update the materials PECO provides.
- **Smart Equipment Incentives Commercial and Industrial Program:** The evaluation of the SEI C&I program will align closely with the PY5 evaluation in terms of approaches and tasks. The team will complete a sample design based on Q1 and Q2 completed projects to achieve an 85/15 or better level of confidence and relative precision at the program level. The team plans to complete pre-installation site visits where appropriate. The team also plans to begin post-installation field verification in October 2014. Navigant plans to complete in-depth interviews with PECO and DNV GL personnel by November 2014 to assess the effectiveness of the program and to identify any barriers or potential improvements to the program implementation. Navigant will design and field

participant interview guides, and conduct contractor focus groups and they plan to complete these task by late June or early July 2015.

- **Smart Equipment Incentives Government, Nonprofit, and Institutional Program:** The evaluation of the SEI GNI program will align closely with the PY5 evaluation in terms of approaches and tasks. The team will complete a sample design based on Q1 and Q2 completed projects to achieve an 85/15 or better level of confidence and relative precision at the program level. The team plans to complete pre-installation site visits where appropriate. The team also plans to begin post-installation field verification in October 2014. Navigant plans to complete in-depth interviews with PECO and DNV GL personnel by November 2014 to assess the effectiveness of the program and to identify any barriers or potential improvements to the program implementation. Navigant will design and field participant interview guides and contractor focus groups, and they plan to complete these tasks by late June or early July 2015.
 - **Smart Construction Incentives Program:** The evaluation of the SCI program will align closely with the PY5 evaluation in terms of approaches and tasks. The team will complete a sample design based on Q1, Q2 and Q3 completed projects to achieve an 85/15 or better level of confidence and relative precision at the program level. The team plans to begin post-installation field verification in October 2014. Navigant plans to complete in-depth interviews with PECO and DNV GL personnel by November 2014 to assess the effectiveness of the program and to identify any barriers or potential improvements to the program implementation. Navigant plans to design and complete the decision maker interview guides and interviews by late June or early July 2015.
 - **Smart Business Solutions Program:** Navigant conducted the following evaluation activities during Q1:
 - Held bi-weekly telephone conversations with the PECO program manager
 - Completed an engineering review of all PY5 Q4 energy and demand savings values
 - Conducted file reviews of 50 sampled projects from PY5
 - Conducted telephone surveys with 50 sampled PY5 participants, 10 partial participants, and one nonparticipant
 - Conducted in-depth interviews with the PECO and IC program managers
 - Analyzed data from all data collection activities
 - Drafted evaluation report
 - **Smart On-Site Program:** Navigant's evaluation activities for this program during Q1 included:
-

- Conducted in-depth interviews with both participants that have completed systems thus far
 - Conducted in-depth interviews with PECO and DNV GL program managers
 - Conducted in-depth interviews with three project developers
 - Conducted on-site M&V at both completed projects
 - Analyzed data from all data collection activities
 - Drafted evaluation report
-
- **Residential and Commercial Smart A/C Saver Programs:** The Residential and Commercial Smart A/C Saver programs were active during the first quarter of the PY6 cooling season. As with PY5, PECO planned fewer conservation events than in Phase I of the program and planned to call a similar number of conservation events in PY6 as it did during the PY5 cooling season. Both the Residential and Commercial Smart A/C Saver programs continue to have reductions in their respective participant counts that can be attributed to normal attrition due to moves, business closures, etc. Both programs, however, continued to enroll new participants in PY6 Q1 to offset some of this attrition.

2 Summary of Energy Impacts by Program

Figure 2-1 presents a summary of the reported energy savings by program through Q4 of Phase II.

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

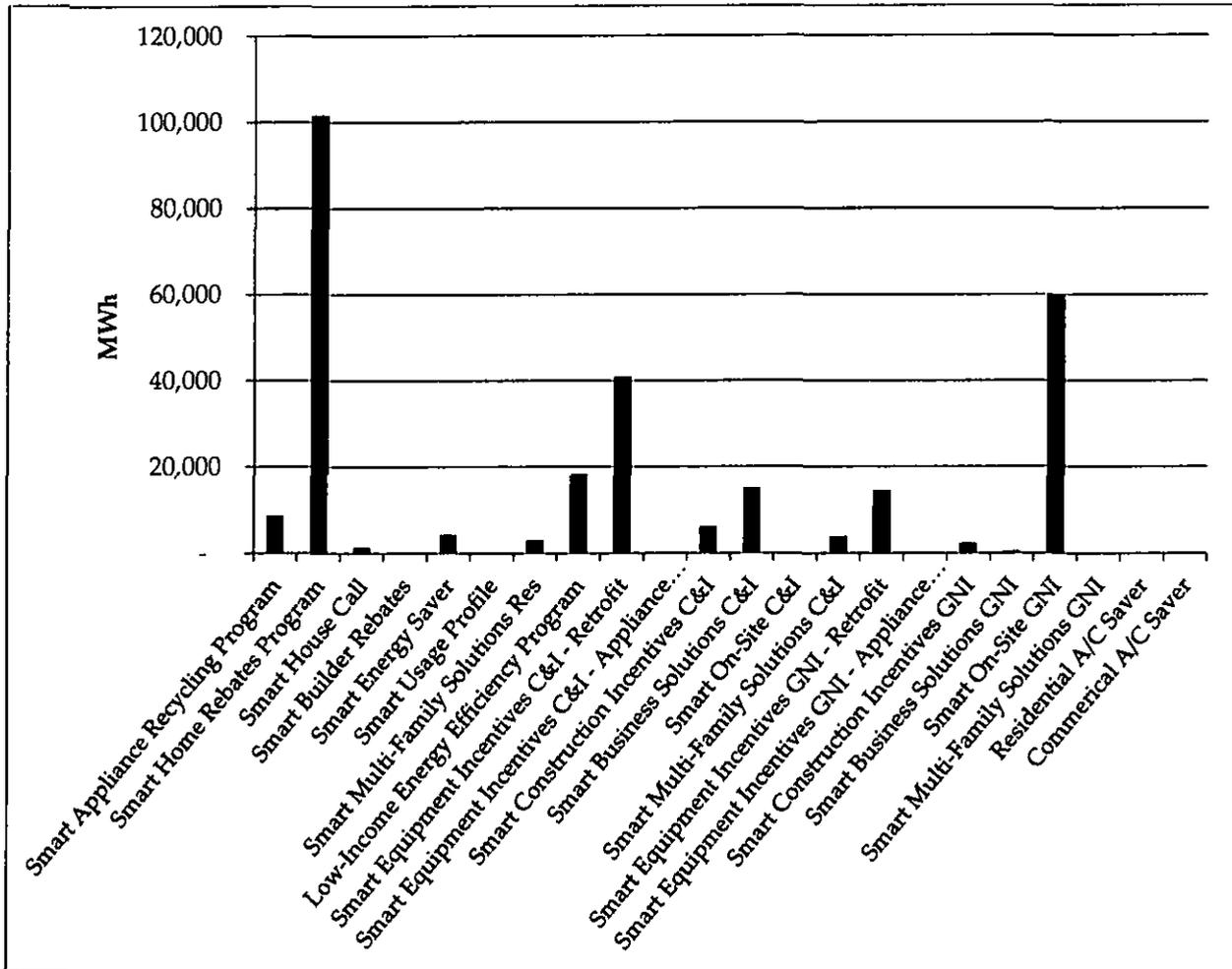


Table 2-1 presents a summary of energy impacts by program through Q4 of PY5.

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

Program	Participants			Reported Gross Impact (MWh/Year)			
	IQ	PYTD	Phase II	IQ	PYTD	Phase II	Phase II-Q
Residential	15,341	15,341	54,772	20,609	20,609	119,292	119,292
Smart Appliance Recycling Program	2,766	2,766	9,875	2,337	2,337	8,674	8,674
Smart Home Rebates Program ²	9,209	9,209	21,318	16,989	16,989	101,702	101,702
Smart House Call	606	606	1,788	402	402	1,356	1,356
Smart Builder Rebates	3	3	5	17	17	22	22
Smart Energy Saver	0	0	12,584	0	0	4,300	4,300
Smart Usage Profile	0	0	0	0	0	0	0
Smart Multifamily Solutions Res ⁴	2,757	2,757	9,202	864	864	3,238	3,238
Low-Income Energy Efficiency Program Total³	2,459	2,459	11,426	4,118	4,118	18,245	18,245
Low-Income Energy Efficiency Program	2,459	2,459	11,426	4,118	4,118	18,245	18,245
Non-Residential	581	581	1,736	25,752	25,752	143,891	143,891
Commercial and Industrial Total	526	526	1,547	20,939	20,939	66,233	66,233
Smart Equipment Incentives C&I - Retrofit	200	200	529	12,684	12,684	40,909	40,909
Smart Equipment Incentives C&I - Appliance Recycling	12	12	55	13	13	55	55
Smart Construction Incentives C&I	9	9	31	2,642	2,642	6,179	6,179
Smart Business Solutions C&I	149	149	557	4,487	4,487	15,174	15,174
Smart On-Site C&I	0	0	0	0	0	0	0
Smart Multifamily Solutions C&I ⁴	156	156	375	1,114	1,114	3,915	3,915
Government / Nonprofit Total	55	55	189	4,812	4,812	77,658	77,658
Smart Equipment Incentives GNI - Retrofit	50	50	151	4,434	4,434	14,607	14,607
Smart Equipment Incentives GNI - Appliance Recycling	0	0	0	0	0	0	0
Smart Construction Incentives GNI	3	3	10	280	280	2,407	2,407
Smart Business Solutions GNI	1	1	10	95	95	535	535
Smart On-Site GNI	0	0	2	0	0	59,945	59,945
Smart Multifamily Solutions GNI ⁴	1	1	16	3	3	163	163
Demand Reduction	-1,219	-1,219	73,504	0	0	0	0
Residential A/C Saver ⁵	-1,180	-1,180	71,550	0	0	0	0
Commercial A/C Saver ⁵	-39	-39	1,954	0	0	0	0
Total Portfolio	17,162	17,162	141,438	50,478	50,478	281,428	281,428
Carry-Over Savings from Phase I							242,793
Total Phase II-Q-CO							524,221

NOTES:

¹ Preliminary Realization Rates are based on evaluation activities and findings conducted on a partial sample set. These realization rates are not based on a statistically significant sample and are subject to change until the full evaluation is complete at the end of the program year

² Participant values exclude sales of CFLs, ENERGY STAR lighting fixtures, and LED lamps, for which upstream rebates are

provided.

³Act 129 includes a provision requiring EDCs 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 legislation contains no provisions regarding targets for participation, or energy or demand savings. Participation includes only those receiving the Weatherization Audit.

⁴The participation values shown here reflect the number of project IDs reported in the tracking data, rather than the number of billing account IDs. The values reported here better reflect the number of participating households, rather than the number of multifamily buildings in which the participants live.

⁵Reductions in the participant rate for both the Residential and Commercial Smart A/C Saver programs can be attributed to normal participant attrition due to moves, business closures, etc. in the absence of concerted recruitment of new participants by PECO.

3 Summary of Demand Impacts by Program

Figure 3-1 presents a summary of the reported demand reduction by program through Q4 of Phase II.

Figure 3-1: Phase II Demand Reduction by Program

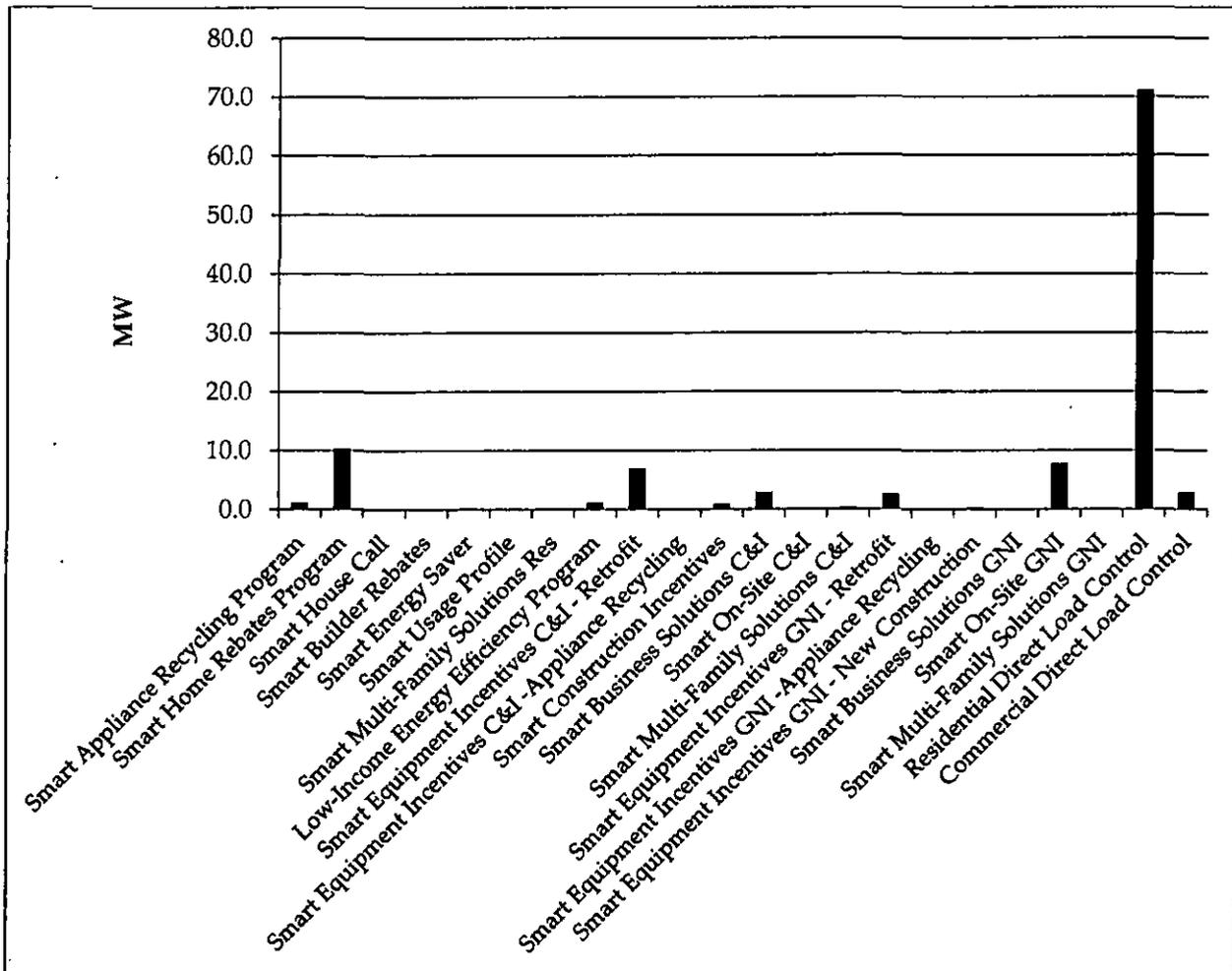


Table 3-1 presents a summary of total demand reduction impacts by program through PY5 Q3. Note that all demand reduction values have been adjusted to account for line losses.

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

Program	Participants			Reported Gross Impact (MW)			
	IQ	PYTD	Phase II	IQ	PYT D	Phase II	Phase II-Q
Residential	15,341	15,341	54,772	3.5	3.5	12.3	12.3
Smart Appliance Recycling Program	2,766	2,766	9,875	0.3	0.3	1.2	1.2
Smart Home Rebates Program ²	9,209	9,209	21,318	3.0	3.0	10.3	10.3
Smart House Call	606	606	1,788	0.1	0.1	0.2	0.2
Smart Builder Rebates	3	3	5	0.0	0.0	0.0	0.0
Smart Energy Saver	0	0	12,584	0.0	0.0	0.3	0.3
Smart Usage Profile	0	0	0	0.0	0.0	0.0	0.0
Smart Multifamily Solutions Res ⁴	2,757	2,757	9,202	0.1	0.1	0.3	0.3
Low-Income Energy Efficiency Program Total³	2,459	2,459	11,426	0.3	0.3	1.4	1.4
Low-Income Energy Efficiency Program ⁵	2,459	2,459	11,426	0.3	0.3	1.4	1.4
Non-Residential	581	581	1,736	3.9	3.9	21.9	21.9
Commercial and Industrial Total	526	526	1,547	3.1	3.1	11.1	11.1
Smart Equipment Incentives C&I – Retrofit	200	200	529	1.9	1.9	6.9	6.9
Smart Equipment Incentives C&I - Appliance Recycling	12	12	55	0.0	0.0	0.0	0.0
Smart Construction Incentives C&I	9	9	31	0.4	0.4	1.0	1.0
Smart Business Solutions C&I	149	149	557	0.8	0.8	2.9	2.9
Smart On-Site C&I	0	0	0	0.0	0.0	0.0	0.0
Smart Multifamily Solutions C&I ⁴	156	156	375	0.1	0.1	0.4	0.4
Government / Nonprofit Total	55	55	189	0.8	0.8	10.8	10.8
Smart Equipment Incentives GNI – Retrofit	50	50	151	0.7	0.7	2.6	2.6
Smart Equipment Incentives GNI - Appliance Recycling	0	0	0	0.0	0.0	0.0	0.0
Smart Construction Incentives GNI	3	3	10	0.0	0.0	0.3	0.3
Smart Business Solutions GNI	1	1	10	0.0	0.0	0.1	0.1
Smart On-Site GNI	0	0	2	0.0	0.0	7.8	7.8
Smart Multifamily Solutions GNI ⁴	1	1	16	0.0	0.0	0.0	0.0
Demand Reduction	-1,219	-1,219	73,504	0.0	0.0	74.0	74.0
Residential A/C Saver ⁶	-1,180	-1,180	71,550	0.0	0.0	71.1	71.1
Commercial A/C Saver ⁶	-39	-39	1,954	0.0	0.0	2.9	2.9
Total Portfolio	17,162	17,162	141,438	7.8	7.8	109.7	109.7

NOTES:

¹ Preliminary Realization Rates are based on evaluation activities and findings conducted on a partial sample set. These realization rates are not based on a statistically significant sample and are subject to change until the full evaluation is complete at the end of the program year

²Participant values exclude sales of CFLs, ENERGY STAR lighting fixtures, and LED lamps, for which upstream rebates are provided.

³Act 129 includes a provision requiring EDCs 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)(C). The legislation contains no provisions regarding targets for participation, or energy or demand savings. Participation includes only those receiving the Weatherization Audit.

⁴The participation values shown here reflect the number of bill account IDs in the tracking system, rather than the number of project IDs. For the residential sector, each unit has a unique billing ID. For the Commercial and GNI sector, there may be more than one unit under a single bill account ID (master meter) at the multifamily property.

⁵The line loss factors for LEEP were accidentally not included in the reported gross impact for PY5. They have now been included in this calculation.

⁶Reductions in the participant rate for both the Residential and Commercial Smart A/C Saver programs can be attributed to normal participant attrition due to moves, business closures, etc. in the absence of concerted recruitment of new participants by PECO.

4 Summary of Finances

4.1 Portfolio Level Expenditures

Table 4-1 presents a breakdown of the portfolio finances.

Table 4-1: Summary of Portfolio Finances

	Quarter (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$8,418	\$8,418	\$31,767
EDC Incentives to Trade Allies	\$86	\$86	\$151
Subtotal EDC Incentive Costs	\$8,504	\$8,504	\$31,918
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance ⁽¹⁾	\$8,770	\$8,770	\$36,700
Marketing	\$465	\$465	\$4,586
Subtotal EDC Implementation Costs	\$9,235	\$9,235	\$41,286
EDC Evaluation Costs	\$0	\$0	\$2,410
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽²⁾	N/A	N/A	N/A
Participant Costs⁽³⁾	N/A	N/A	N/A
Total TRC Costs⁽⁴⁾	N/A	N/A	N/A
NOTES			
<i>Per PA 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 the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance			
² Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
³ Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, refer to the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

4.2 Program Level Expenditures

The following tables show program-specific finances.

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

	Quarter (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$101	\$101	\$363
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$101	\$101	\$363
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance ⁽¹⁾	\$247	\$247	\$909
Marketing	\$11	\$11	\$34
Subtotal EDC Implementation Costs	\$258	\$258	\$944
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽²⁾	N/A	N/A	N/A
Participant Costs⁽³⁾	N/A	N/A	N/A
Total TRC Costs⁽⁴⁾	N/A	N/A	N/A
NOTES			
<i>Per PA 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 the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance			
² Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
³ Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, refer to the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-3: Summary of Program Finances – Smart Home Rebates Program

	Quarter (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$2,838	\$2,838	\$9,730
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$2,838	\$2,838	\$9,730
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance ⁽¹⁾	\$952	\$952	\$4,438
Marketing	\$263	\$263	\$292
Subtotal EDC Implementation Costs	\$1,215	\$1,215	\$4,730
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽²⁾	N/A	N/A	N/A
Participant Costs⁽³⁾	N/A	N/A	N/A
Total TRC Costs⁽⁴⁾	N/A	N/A	N/A
NOTES			
<i>Per PA 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 the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance			
² Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
³ Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, refer to the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-4: Summary of Program Finances – Smart House Call

	Quarter (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$32	\$32	\$105
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$32	\$32	\$105
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance ⁽¹⁾	\$510	\$510	\$2,249
Marketing	\$154	\$154	\$304
Subtotal EDC Implementation Costs	\$664	\$664	\$2,553
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽²⁾	N/A	N/A	N/A
Participant Costs⁽³⁾	N/A	N/A	N/A
Total TRC Costs⁽⁴⁾	N/A	N/A	N/A
NOTES			
<i>Per PA 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 the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance			
² Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
³ Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, refer to the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-5: Summary of Program Finances – Smart Builder Rebates

	Quarter (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$0	\$0	\$0
EDC Incentives to Trade Allies	\$3	\$3	\$4
Subtotal EDC Incentive Costs	\$3	\$3	\$4
EDC Implementation Costs			
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance ¹⁾	\$48	\$48	\$295
Marketing	\$6	\$6	\$42
Subtotal EDC Implementation Costs	\$54	\$54	\$337
EDC Evaluation Costs			
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs²⁾	N/A	N/A	N/A
Participant Costs³⁾	N/A	N/A	N/A
Total TRC Costs⁴⁾	N/A	N/A	N/A
NOTES			
Per PA 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 CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance			
²⁾ Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
³⁾ Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, refer to the costs of the end-use customer.			
⁴⁾ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-6: Summary of Program Finances – Smart Energy Saver

	Quarter (\$000)	PYTD (\$000)	Phase II (\$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	\$0	\$0
Administration, Management and Technical Assistance ⁽¹⁾	\$10	\$10	\$427
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$10	\$10	\$427
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽²⁾	N/A	N/A	N/A
Participant Costs⁽³⁾	N/A	N/A	N/A
Total TRC Costs⁽⁴⁾	N/A	N/A	N/A
NOTES			
Per PA 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 CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance			
² Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
³ Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, refer to the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-7: Summary of Program Finances – Smart Usage Profile

	Quarter (\$000)	PYTD (\$000)	Phase II (\$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	\$0	\$0
Administration, Management and Technical Assistance ⁽¹⁾	\$600	\$600	\$1,183
Marketing	\$1	\$1	\$1
Subtotal EDC Implementation Costs	\$601	\$601	\$1,184
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽²⁾	N/A	N/A	N/A
Participant Costs⁽³⁾	N/A	N/A	N/A
Total TRC Costs⁽⁴⁾	N/A	N/A	N/A
NOTES			
<i>Per PA 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 the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance			
² Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
³ Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, refer to the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-8: Summary of Program Finances – Low-Income Energy Efficiency Program

	Quarter (\$000)	PYTD (\$000)	Phase II (\$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	\$0	\$0
Administration, Management and Technical Assistance ⁽¹⁾	\$1,771	\$1,771	\$7,667
Marketing	\$0	\$0	\$75
Subtotal EDC Implementation Costs	\$1,771	\$1,771	\$7,742
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽²⁾	N/A	N/A	N/A
Participant Costs⁽³⁾	N/A	N/A	N/A
Total TRC Costs⁽⁴⁾	N/A	N/A	N/A
NOTES			
<i>Per PA 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 the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance			
² Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
³ Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, refer to the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-9: Summary of Program Finances – Smart Equipment Incentives C&I

	Quarter (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$1,048	\$1,048	\$3,227
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$1,048	\$1,048	\$3,227
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance ⁽¹⁾	\$1,477	\$1,477	\$5,725
Marketing	\$0	\$0	\$3
Subtotal EDC Implementation Costs	\$1,477	\$1,477	\$5,728
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽²⁾	N/A	N/A	N/A
Participant Costs⁽³⁾	N/A	N/A	N/A
Total TRC Costs⁽⁴⁾	N/A	N/A	N/A
NOTES			
<i>Per PA 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 the 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 for the SEI retrofit and appliance recycling programs.			
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, refer to the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-10: Summary of Program Finances – Smart Construction Incentives C&I

	Quarter (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$325	\$325	\$876
EDC Incentives to Trade Allies	\$84	\$84	\$147
Subtotal EDC Incentive Costs	\$408	\$408	\$1,024
EDC Implementation Costs			
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance ⁽¹⁾	\$369	\$369	\$1,388
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$369	\$369	\$1,388
EDC Evaluation Costs			
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽²⁾	N/A	N/A	N/A
Participant Costs⁽³⁾	N/A	N/A	N/A
Total TRC Costs⁽⁴⁾	N/A	N/A	N/A
NOTES			
Per PA 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 CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance			
² Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
³ Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, refer to the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-11: Summary of Program Finances – Smart Business Solutions C&I and GNI

	Quarter (\$000)	PYTD (\$000)	Phase II (\$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	\$0	\$0
Administration, Management and Technical Assistance ⁽¹⁾	\$772	\$772	\$2,690
Marketing	\$0	\$0	\$3
Subtotal EDC Implementation Costs	\$772	\$772	\$2,693
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽²⁾	N/A	N/A	N/A
Participant Costs⁽³⁾	N/A	N/A	N/A
Total TRC Costs⁽⁴⁾	N/A	N/A	N/A
NOTES			
<i>Per PA 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 the 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 for both the SBS C&I and GNI programs.			
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, refer to the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-12: Summary of Program Finances – Smart On-Site

	Quarter (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$0	\$0	\$4,993
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$0	\$0	\$4,993
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance ⁽¹⁾	\$121	\$121	\$464
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$121	\$121	\$464
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽²⁾	N/A	N/A	N/A
Participant Costs⁽³⁾	N/A	N/A	N/A
Total TRC Costs⁽⁴⁾	N/A	N/A	N/A
NOTES			
Per PA 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 CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance for both the SOS C&I and GNI programs.			
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, refer to the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-13: Summary of Program Finances –Smart Multifamily Solutions C&I and GNI

	Quarter (\$000)	PYTD (\$000)	Phase II (\$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	\$0	\$0
Administration, Management and Technical Assistance ⁽¹⁾	\$363	\$363	\$1,300
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$363	\$363	\$1,300
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽²⁾	N/A	N/A	N/A
Participant Costs⁽³⁾	N/A	N/A	N/A
Total TRC Costs⁽⁴⁾	N/A	N/A	N/A
NOTES			
Per PA 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 CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance for both the Smart Multifamily Solutions C&I and GNI programs.			
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, refer to the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-14: Summary of Program Finances –Smart Multifamily Solutions Residential

	Quarter (\$000)	PYTD (\$000)	Phase II (\$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	\$0	\$0
Administration, Management and Technical Assistance ⁽¹⁾	\$374	\$374	\$1,333
Marketing	\$16	\$16	\$34
Subtotal EDC Implementation Costs	\$390	\$390	\$1,366
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽²⁾	N/A	N/A	N/A
Participant Costs⁽³⁾	N/A	N/A	N/A
Total TRC Costs⁽⁴⁾	N/A	N/A	N/A
NOTES			
<i>Per PA 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 the administrative CSP (rebate processing), direct installation services, tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance			
² Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
³ Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, refer to the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-15: Summary of Program Finances – Smart Equipment Incentives GNI

	Quarter (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$532	\$532	\$1,563
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$532	\$532	\$1,563
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance ⁽¹⁾	\$819	\$819	\$3,353
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$819	\$819	\$3,353
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽²⁾	N/A	N/A	N/A
Participant Costs⁽³⁾	N/A	N/A	N/A
Total TRC Costs⁽⁴⁾	N/A	N/A	N/A
NOTES			
<i>Per PA 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 the administrative CSP (rebate processing), direct installation services, tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance for the SEI GNI - Retrofit, SEI GNI – Appliance Recycling, and SCI GNI programs.			
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, refer to the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-16: Summary of Program Finances – Residential A/C Saver Program

	Quarter (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$3,396	\$3,396	\$10,451
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$3,396	\$3,396	\$10,451
EDC Implementation Costs			
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance ^[1]	\$335	\$335	\$204
Marketing	\$15	\$15	\$15
Subtotal EDC Implementation Costs	\$351	\$351	\$219
EDC Evaluation Costs			
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs^[2]	N/A	N/A	N/A
Participant Costs^[3]	N/A	N/A	N/A
Total TRC Costs^[4]	N/A	N/A	N/A
NOTES			
Per PA 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 CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management CSP capacity payments, general management oversight major accounts and technical assistance. Negative values are the result of capacity payments from PJM in excess of program administrative 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, refer to the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-17: Summary of Program Finances – Commercial A/C Saver Program

	Quarter (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$145	\$145	\$459
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$145	\$145	\$459
Design & Development	\$0	\$0	\$0
Administration, Management and Technical Assistance ⁽¹⁾	\$0	\$0	\$0
Marketing	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$0	\$0	\$0
EDC Evaluation Costs	\$0	\$0	\$0
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽²⁾	N/A	N/A	N/A
Participant Costs⁽³⁾	N/A	N/A	N/A
Total TRC Costs⁽⁴⁾	N/A	N/A	N/A
NOTES			
<i>Per PA 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 the administrative CSP (rebate processing), tracking system, general administration and clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance			
² Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
³ Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, refer to the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

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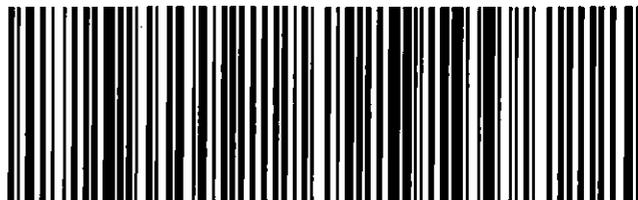
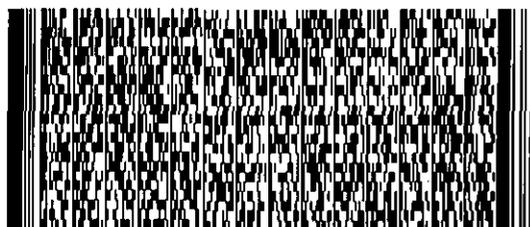
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