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October 12, 2012

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, 2012
through August 31, 2012**

Dear Secretary Chiavetta:

In accordance with the Commission's Secretarial Letter dated May 25, 2011, enclosed is PECO Energy's Quarterly Energy Efficiency & Conservation Report for the period June 1, 2012 through August 31, 2012.

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.

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. Diskin, Director, Bureau of Technical Utility Services
M. C. Lesney, 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 through August 2012
Program Year 4, Quarter 1**

For Pennsylvania Act 129 of 2008
Energy Efficiency and Conservation Plan

Prepared by Navigant Consulting, Inc.

For

PECO Energy Company

October 12, 2012

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Acronyms

C&I	Commercial and Industrial
CATI	Computer-Aided Telephone Interview
CFL	Compact Fluorescent Lamp
CPITD	Cumulative Program/Portfolio Inception to Date
CPITD-Q	Cumulative Program/Portfolio Inception through Current Quarter
CVR	Conservation Voltage Reduction
CVRf	Conservation Voltage Reduction factor
DCU	Digital Control Units
DLC	Direct Load Control
DRA	Demand Response Aggregator
DRMS	Demand Response Management System
EDC	Electric Distribution Company
EE&C	Energy Efficiency and Conservation
EM&V	Evaluation, Measurement, and Verification
EISA	Independence and Security Act of 2007
GIN	Government, Institutional, and Nonprofit
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
PUC	Public Utility Commission
PY1	Program Year 2009
PY2	Program Year 2010
PY3	Program Year 2011
PY4	Program Year 2012
PY4TD	Program/Portfolio Year Four to Date
SCI	Smart Construction Incentives
SEER	Seasonal Energy Efficiency Rating
SEI	Smart Equipment Incentives

SLD	Smart Lighting Discounts
SSMVP	Site-Specific Measurement and Verification Plan
SWE	Statewide Evaluator
TRC	Total Resource Cost
TRM	Technical Reference Manual

1 Overview of Portfolio

Pennsylvania Act 129 of 2008 signed on October 12, 2008, mandated energy savings and demand reduction goals for the largest electric distribution companies (EDCs) in Pennsylvania. Each EDC submitted energy efficiency and conservation (EE&C) plans—which were approved by the Pennsylvania Public Utility Commission (PUC)—pursuant to these goals. This report documents the progress and effectiveness of the EE&C accomplishments for PECO in the first quarter of Program Year Four (PY4), defined as June 1, 2012, through August 31, 2012, as well as the cumulative accomplishments of the programs since inception.

Navigant Consulting, Inc. (Navigant) is evaluating the programs, which includes measurement and verification (M&V) of the savings. The verified savings for PY3 will be reported in the annual report, to be filed November 15, 2012.

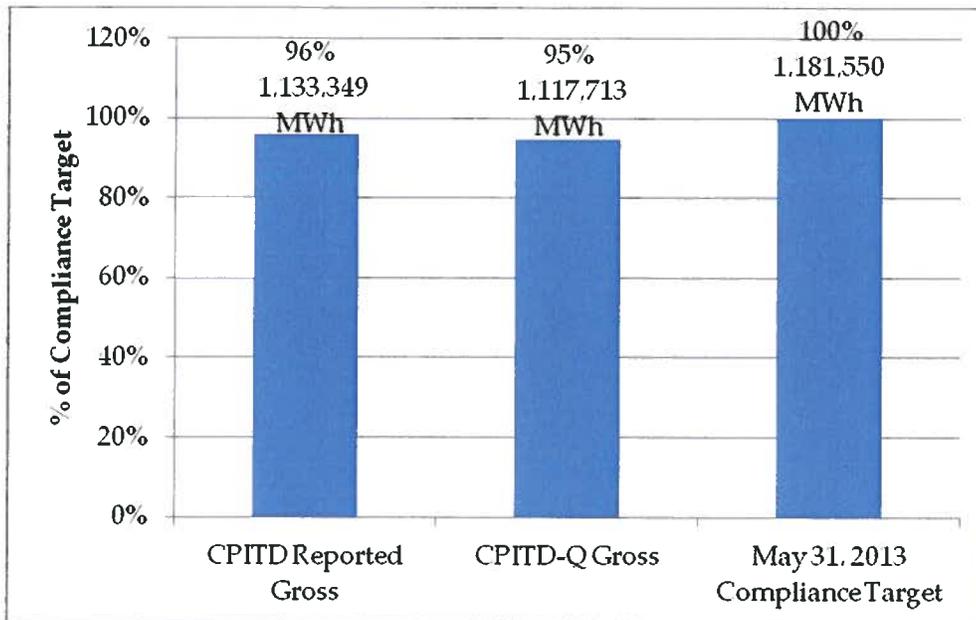
1.1 Summary of Achievements

PECO has achieved 96 percent of the energy savings compliance target for May 31, 2013, based on cumulative program inception to date (CPITD) reported gross energy savings¹, and 95 percent of the energy savings compliance target, based on CPITD gross energy savings achieved through the first quarter of PY4 (CPITD-Q)², as shown in Figure 1-1.

¹ CPITD Reported Gross Savings = CPITD Reported Gross Savings through PY2 + PYTD Reported Gross Savings. All savings reported as CPITD reported gross savings are computed this way.

² CPITD-Q Gross Savings = CPITD Verified Gross Savings through PY2 + PYTD Reported Gross Savings. All savings reported as CPITD-Q gross savings are computed this way. CPITD-Q savings provide the best available estimate of savings achieved through the current quarter. CPITD Verified Gross Savings will be reported in the annual report.

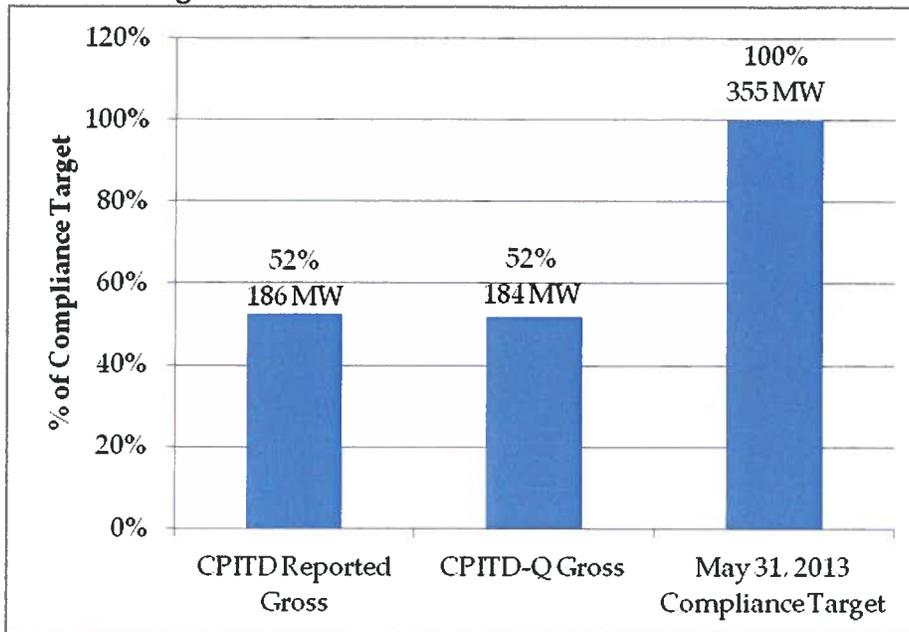
Figure 1-1. Cumulative Portfolio Inception to Date Energy Impacts



PECO has achieved 52 percent of the May 31, 2013, demand reduction compliance target, based on CPITD reported gross demand reduction and 52 percent of CPITD-Q of the demand reduction compliance target as shown in Figure 1-2. This reduction is a result of the demand impact from the energy efficiency and conservation voltage reduction (CVR) programs.

PECO has contracted for 170 MW of demand reduction through its Demand Response Aggregators program, an additional 16.5 MW through its Distributed Energy Resources program, and through its AC Savers program has installed load control switches on 92,530 residential and 3,949 commercial air conditioners. Although these resources represent well over half of the Act 129 demand reduction goal, PECO is not reporting any demand reduction from these resources in this report, because additional data collection and analysis remains before PECO can identify its top 100 load hours and the average demand reduction during these hours by participants in each DR program. PECO does report demand reduction from its CVR program, as CVR demand savings are continuous across all hours.

Figure 1-2. CPITD Portfolio Demand Reduction



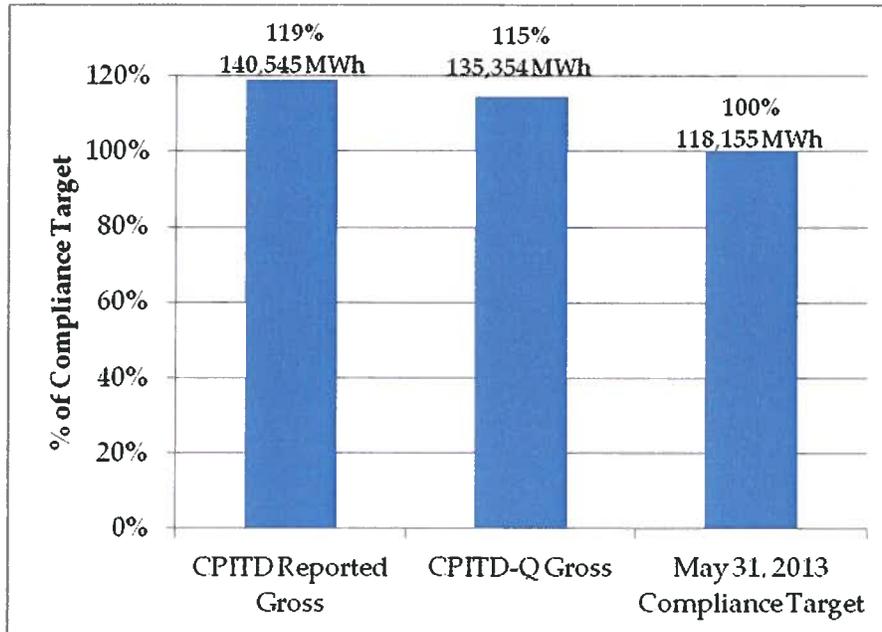
There are 17 measure groups targeted to the low-income sector, and another 27 measure groups offered by other programs in the residential sector (which are also available to low-income customers). These 44 measure groups offered to the low-income sector therefore comprise 35 percent of the total of 124 measure groups offered across PECO’s portfolio. As required by Act 129, this exceeds the fraction of electric consumption of the utility’s low-income households divided by the total electricity consumption in the PECO service area (8.05 percent).³ The CPITD reported gross energy savings achieved in the low-income sector is 88,538 megawatt-hours (MWh);⁴ this is 7.8 percent of the CPITD total portfolio reported gross energy savings.

PECO achieved 119 percent of the May 31, 2013, energy reduction compliance target for the government, institutional, and nonprofit (GIN) and sectors, based on CPITD reported gross energy savings, and 115 percent of the target based on CPITD-Q gross energy savings achieved through the fourth quarter, as shown in Figure 1-3. Note that the CPITD and CPITD-Q values shown in the figure include 38,445 MWh allocated to the GIN sectors from the CVR program.

³ 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 legislation contains no provisions regarding targets for participation, or energy or demand savings.

⁴ This includes 25,630 MWh allocated to the Low Income sector from the CVR program.

Figure 1-3. Government, Nonprofit, and Institutional Sectors



1.2 Program Updates and Findings

The following are updates and findings from each program:

- **Low-Income Energy Efficiency Program:** There were no significant changes to the Low-Income Energy Efficiency Program (LEEP) program in PY4Q1. Program participation remains steady and the majority of participants continue to receive Basic measures and CFL light bulbs. Nearly \$1 million (\$995,792) were paid to contractors as well in the first quarter.
- **Smart Lighting Discounts (SLD):** The program remains similar in size to the last three quarters of PY3 and continues to reflect the reduction in program size that took place during the end of PY2 and beginning of PY3. Average monthly sales for the first quarter of PY4 were 17,800 bulbs, compared with 17,600 per month in PY3 Q4 and an average of 13,100 per month across the last 9 months of PY3. As with PY3, the focus remains on specialty CFLs, with approximately 91% of PY4 Q1 bulbs being specialty CFLs.
- **Smart Appliance Recycling Program.** There were no significant changes made to the program in PY4Q1. Participation remains low for PY4Q1, a trend that started in PY3Q3 following the significant reduction in the program incentive. There were approximately 1,070 participants this quarter, which is moderately higher than the previous 2 quarters

(where participation averaged 800 – 900 new participants), but is less than half the level seen prior to this.

- **Smart Home Rebates:** PECO made no significant programmatic changes in the first quarter of PY4. This program continues to offer Energy Star Most Efficient, models with the greatest efficiency within each product category. The program also continues to focus on heating, ventilating, and air conditioning (HVAC) equipment. The preponderance of (non-lighting) installed measures were air source heat pumps and central air conditioning units. Air source heat pumps constituted 14% of overall participation, 22% of energy savings, and 40% of demand savings. Central air conditioning accounted for 34% of participation, 60% of energy savings, and 27% of demand savings.
- **Smart Equipment Incentives Commercial and Industrial (SEI C&I) Program:** A total of 86 projects received rebates from the SEI C&I program in the first quarter of PY4. This value is lower than previous quarters due to the fact that the program has been placing all new applications on a wait list since October 1, 2011. Therefore, the projects that were completed in this quarter were accepted prior to October 1, 2011, and the total pool of projects is growing smaller over time as projects are completed.
- **Smart Equipment Incentives Government, Institutional and Nonprofit Program (SEI GIN):** A total of 70 projects received rebates from the SEI GIN program in the first quarter of PY4. This value is lower than previous quarters due to the fact that the program has been placing all new applications on a wait list since October 1, 2011. The applications that are being completed in this quarter were accepted prior to the inception of the waitlist and that total pool of projects is growing smaller over time as projects are completed.
- **Smart Construction Incentives (SCI) Program:** The SCI program paid a total of eight projects in the first quarter of PY4. Of these eight, two projects were in the C&I sector and six were in the GIN sector. Two of the GIN projects used the whole building track, and design incentives were tracked correctly for both. The tracking database now also tracks the C&I and GIN projects separately.
- **Residential Smart AC Saver Program:** PECO has continued the installation of digital control units (DCUs) and has 79,777 active participants representing 92,530 active devices at the end of the first quarter of PY4. PY4 will be the first year PECO will claim savings for the program. During the first quarter of PY4, PECO called a total of fourteen curtailment events totaling 51.5 hours.

- **Commercial Smart AC Saver Program:** PECO has continued installing the new programmable thermostats, which now total 2,266 active participants representing 3,949 active devices at the end of the first quarter of PY4. Despite the continued installation of programmable thermostats, the total number of active devices and participants is fewer than reported in PY3 Q4 due to participant attrition from the commercial program. During the first quarter of PY4, PECO called a total of fourteen curtailment events totaling 51.5 hours.
- **Permanent Load Reduction:** There was no participation in this program in the first quarter of PY4. Limited participation is projected through the end of PY4.
- **Demand Response Aggregator (DRA):** The DRA program launched in PY3, following the execution of contracts with Enerwise Global Technologies, EnergyConnect, and EnerNOC. These three curtailment service providers (aggregators) have been contracted to provide up to 170.7MW of dispatchable load curtailment. Through the end of PY3, the aggregators had recruited 193 PECO customers to reduce load in response to a signal from PECO. Four of these participants dropped out of the program in the first quarter of PY4, leaving 189 participants. Most of these participants are PECO commercial and industrial customers already participating in PJM demand response programs.
- **Distributed Energy Resources (DER):** The DER program launched in PY3, following the execution of a contract with Comverge. Comverge committed to provide 16.5 MW of demand response in the form of dispatchable back-up generation. Comverge registered six additional participants into the program in PY4 Q1, bringing the total to eight participants.

1.3 Evaluation Updates and Findings

Each program's evaluation updates and findings are as follows:

- **Low-Income Energy Efficiency Program:** PY4 savings for the LEEP program will be determined using a four-year average of billing analysis results from the 2008–2009 LIURP programs and PY1 and PY2 LEEP data. Process evaluation activities will include in-depth interviews with utility and implementation contractor staff and telephone surveys of participants. These activities will commence in the second quarter of PY4, per the evaluation schedule. Navigant will also be modifying the on-site visit protocol to conform to the new SWE requirements as described in the Guidance Memo provided on September 16, 2012.

- **Smart Lighting Discounts:** The M&V completed for the 1st quarter report consisted of reviewing the 1st quarter tracking data provided to the evaluation team by PECO program staff, as well as reviewing all of the manufacturer invoices received and approved by PECO and Ecos through the end of August 2012. The data used to estimate the PY4 PYTD savings for this report was based upon the manufacturer invoices.
- **Smart Appliance Recycling:** The first and second waves of participant surveys, for all PY3 participants, were completed in early March and mid-September, respectively. Early review of Wave 1 findings reveals a 100% verification rate and other findings related to the part-use factor, NTG ratio, and process related feedback that are in line with previous evaluations. The Wave 2 survey data have yet to be analyzed.
- **Smart Home Rebates:** During this quarter, the process evaluation conducted interviews with PY3 trade allies and completed a telephone survey of PY3 participants. At the same time, the impact evaluation began to review samples of participant measure data. Analysis and findings from both process and impact evaluations are currently underway with an expected report at the end of calendar year 2012. Evaluation of PY4 activities will begin after the start of calendar year 2013.
- **Smart Equipment Incentives Commercial and Industrial (SEI C&I) Program:** The evaluation of the Smart Equipment Incentives Commercial and Industrial Program will align closely with the PY3 evaluation in terms of approaches and tasks. In PY4, the team will complete an initial sample design based on Q1 and Q2 completed project files as well as any available pipeline project information. The sample will be designed to achieve an 85/15 or better level of confidence and relative precision at the program-level. Based on the initial sample design, the team will choose projects to sample from the project population and request project files from PECO/KEMA. Similar to PY3, the team will use a lower level of rigor for the Stratum 3 projects. Stratum 3 projects are the smallest of the projects in terms of energy savings; collectively, they account for about one-third of total savings. Verification for Stratum 3 projects will typically consist of file reviews and phone verifications only, however, this will be determined on a case-by-case basis. Verification for larger Stratum 1 and 2 projects will continue to rely on use of on-site M&V.

For the process evaluation, the team plans to interview program staff and implementation contractor staff. In addition, the team will complete surveys with program participants. Other surveys may be fielded depending on the findings from PY3. Computer-aided telephone interview (CATI) surveys will be utilized to both assess the program satisfaction as well as supplement impact evaluation findings.

Also similar to PY3, multi-tenant projects will not be evaluated as part of the SEI C&I program for PY4 but will instead be evaluated in conjunction with the PECO Smart Home Rebates program, as the customers and measures are more similar to that residential program.

- **Smart Equipment Incentives Government, Institutional and Nonprofit Program (SEI GIN):** Consistent with the evaluation of the SEI C&I Program, the PY4 evaluation of the SEI GIN Program will align closely with the PY3 evaluation in terms of approaches and tasks. In PY4, the evaluation team will complete an initial sample design based on Q1 and Q2 completed project files as well as any available pipeline project information. The sample will be designed to achieve an 85/15 or better level of confidence and relative precision at the program-level. Similar to PY3, the evaluation team will use a lower level of rigor for the Stratum 3 projects and the evaluation activities will typically consist of file reviews and phone verifications only; however, this will be determined on a case-by-case basis. Verification for larger Stratum 1 and 2 projects will continue to rely on the use of on-site M&V. Consistent with the PY3 evaluation, desk review and invoice review will be used for verification of the Stratum 4 traffic light replacement projects; for street lighting projects within Stratum 4, phone verifications in addition to desk reviews and invoice reviews will be conducted.

For the process evaluation, consistent with the PY3 approach, the evaluation team plans to interview key program staff and implementation contractor staff. In addition, the team will complete surveys with program participants as a way to better understand customer satisfaction and perceptions related to the program, as well as to gather data to support the NTG analysis. Other surveys may be fielded depending on the process evaluation findings from PY3. Computer-aided telephone interview (CATI) surveys will be utilized to assess the program effectiveness and to supplement the impact evaluation findings.

Also similar to PY3, multi-tenant projects will not be evaluated as part of the SEI GIN program for PY4, but will instead be evaluated in conjunction with the PECO Smart Home Rebates program, as the customers and measures are more similar to that residential program.

- **Smart Construction Incentives:** Navigant is currently in the final stages of the PY3 evaluation. The process surveys and in-depth interviews with participants and trade allies are nearly complete, and all on-site visits have been completed. Navigant will complete the impact analysis for the annual report to be filed in November. The PY4 evaluation will begin after the conclusion of the PY3 evaluation.

- **Residential Smart AC Saver Program:** Navigant utilized the “Deemed Savings Estimates for Legacy Air Conditioning and Water Heating Direct Load Control Programs in PJM Region” report in conjunction with the PECO tracking database of residential customers to predict reduction by connected air conditioning load. These predicted savings values will be utilized at the end of the control season to calculate residential load reductions for PY4.

Participant surveys were conducted immediately following two control events to understand customer satisfaction with control events, how the customer handles their AC on a typical summer day and during heat waves; noticeability of load control events, and how participants and their homes respond to these events.

- **Commercial Smart AC Saver Program:** Following the final month of the PY4 curtailment season, Navigant will utilize the data from the M&V group (a sample of participants that had additional metering equipment installed on their air conditioners) to calculate load reduction for the commercial direct load control population. In parallel with the post event surveys of the residential DLC population, Navigant conducted surveys with the commercial population immediately following two control events to understand customer satisfaction with control events, how the customer handles their AC on a typical summer day and during heat waves; noticeability of load control events, and how participants and their businesses respond to these events.
- **Permanent Load Reduction:** There has been no participation in this program to date; however, one participant is expected to complete a project in PY4. Evaluation of this project will likely be conducted in conjunction with the evaluation of the Smart Equipment Incentives program.
- **Demand Response Aggregator:** The impact evaluation of this program will consist of developing baselines for each participant and each event, using the PJM protocols and calculating demand reduction relative to those baselines during each event hour. Impact evaluation activities in PY4 Q1 included processing data from some participants during some of the curtailment events to validate that Navigant’s and PECO’s models were calculating the same demand reductions.
- **Distributed Energy Resources:** Similar to the DRA program, evaluation work for DER during PY4 Q1 included estimating demand impacts for some participants and validating that Navigant’s and PECO’s models agreed.

2 Summary of Energy Impacts by Program

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

Figure 2-1. CPITD Reported Gross Energy Savings by Program

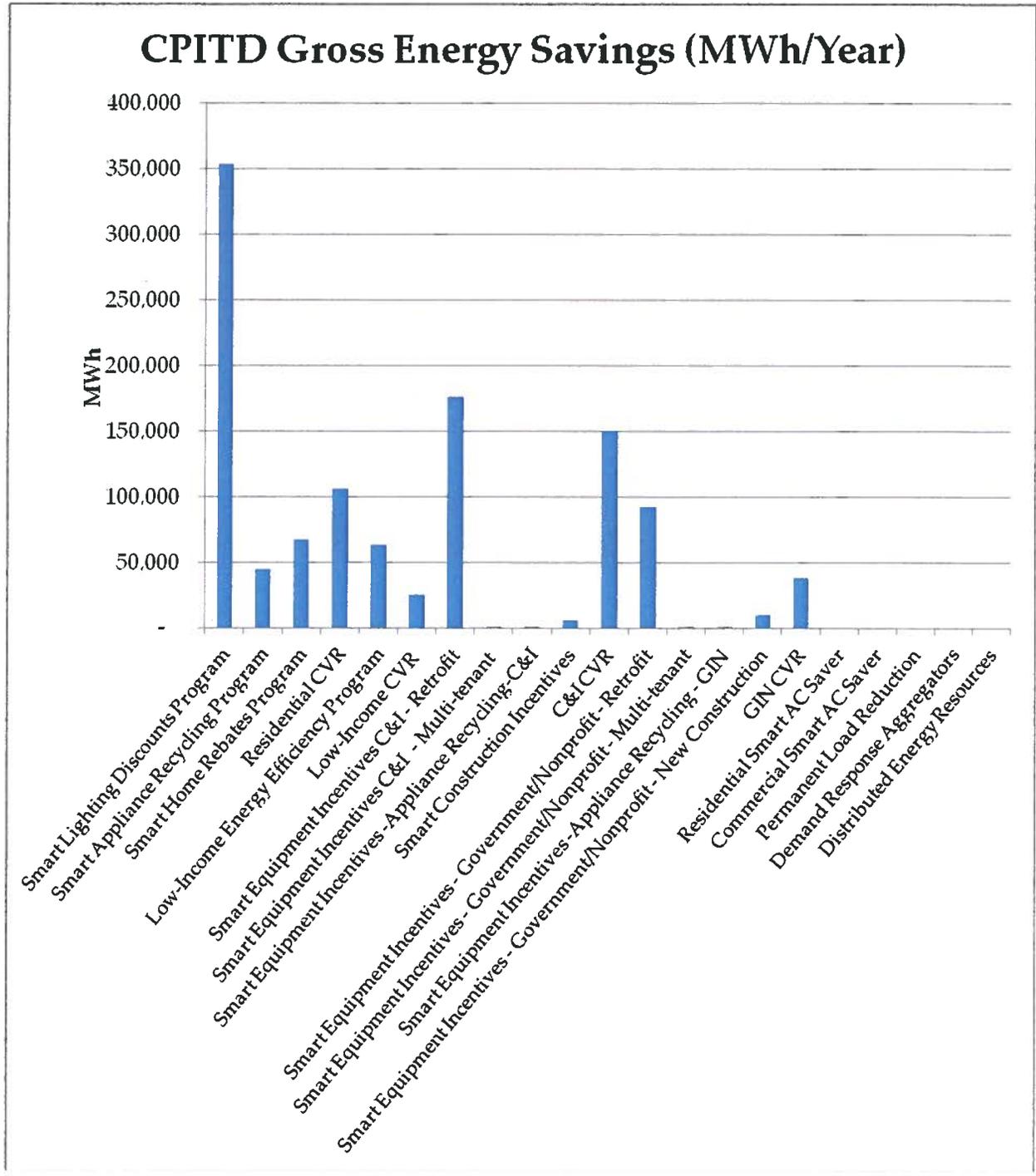
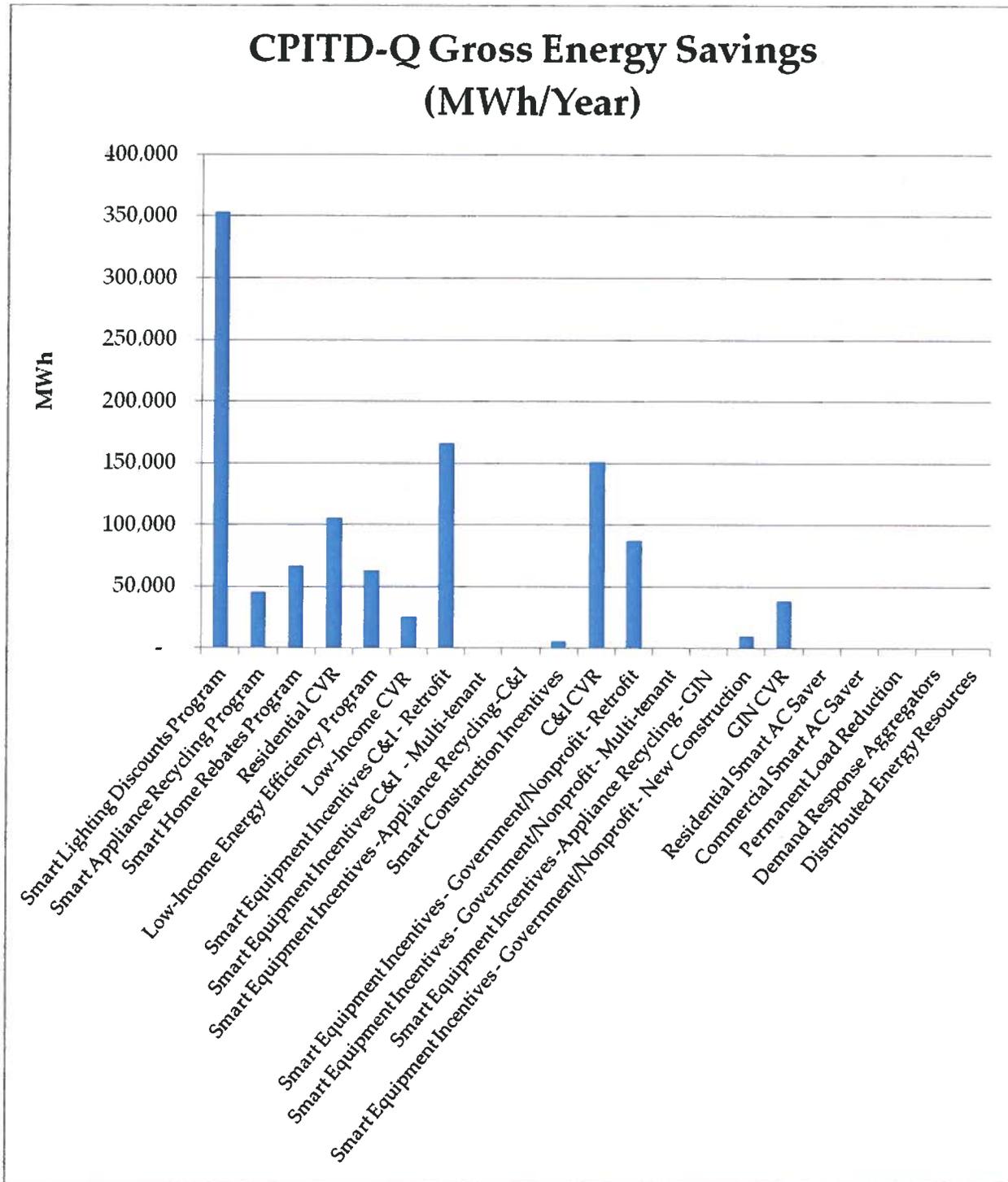


Figure 2-2 presents the sum of verified energy savings through the end of PY2 and gross reported energy savings from the first quarter of PY3 through the first quarter of PY4 for each program in the portfolio.

Figure 2-2. CPITD-Q Reported Gross Energy Savings by Program



A summary of energy impacts by program through the first quarter of PY4 is presented in Table 2-1.

Table 2-1. EDC Reported Participation and Gross Energy Savings by Program

Program	Participants				Reported Gross Impact (MWh/Year)				Preliminary Realization Rate ¹
	IQ	PYTD	CPITD	CPITD-Q	IQ	PYTD	CPITD	CPITD-Q	
Residential	4,543	4,543	314,700		6,612	6,612	571,295	571,244	N/A
Smart Lighting Discounts Program ²	53,324	53,324	7,469,863		2,518	2,518	353,557	353,557	1
Smart Appliance Recycling Program	1,070	1,070	28,813		1,550	1,550	44,843	44,792	1
Smart Home Rebates Program ³	3,473	3,473	285,887		2,544	2,544	67,172	67,172	N/A
Residential Conservation Voltage Reduction	N/A	N/A	N/A		-	-	105,723	105,723	1
Low-Income Energy Efficiency Program Total⁴	2,394	2,394	24,528		9,171	9,171	88,538	88,418	N/A
Low-Income Energy Efficiency Program	2,394	2,394	24,528		9,171	9,171	62,909	62,788	N/A
Low-Income Conservation Voltage Reduction	N/A	N/A	N/A		-	-	25,630	25,630	1
Non-Residential	191	191	4,285		20,632	20,632	473,515	458,052	N/A
Commercial and Industrial Total	110	110	3,400		11,217	11,217	332,970	322,698	N/A
Smart Equipment Incentives - Retrofit	86	86	2,960		10,422	10,422	176,214	165,942	N/A
Smart Equipment Incentives - Multi-tenant ⁵	21	21	382		25	25	164	164	N/A
Smart Equipment Incentives -Appliance Recycling	1	1	10		2	2	18	18	N/A
Smart Construction Incentives	2	2	48		768	768	5,999	5,999	N/A
C&I Conservation Voltage Reduction	N/A	N/A	N/A		-	-	150,575	150,575	1
Government / Nonprofit Total	81	81	885		9,416	9,416	140,545	135,354	N/A
Smart Equipment Incentives - Retrofit	70	70	772		8,731	8,731	92,273	87,082	N/A
Smart Equipment Incentives - Multi-tenant ⁵	5	5	79		1	1	145	144	N/A
Smart Equipment Incentives -Appliance Recycling	-	-	5		-	-	33	33	N/A
Smart Equipment Incentives - New Construction	6	6	29		684	684	9,650	9,650	N/A
GIN Conservation Voltage Reduction	N/A	N/A	N/A		-	-	38,445	38,445	1

Program	Participants			Reported Gross Impact (MWh/Year)				Preliminary Realization Rate ¹
	IQ	PYTD	CPITD	IQ	PYTD	CPITD	CPITD- Q	
Demand Reduction	948	948	82,240	-	-	-	0	N/A
Residential Smart AC Saver	1,126	1,126	79,777	-	-	-	0	N/A
Commercial Smart AC Saver	(180)	(180)	2,266	-	-	-	0	N/A
Permanent Load Reduction	-	-	-	-	-	-	0	N/A
Demand Response Aggregators	(4)	(4)	189	-	-	-	0	N/A
Distributed Energy Resources	6	6	8	-	-	-	0	N/A
Total Portfolio	8,076	8,076	425,753	36,415	36,415	1,133,349	1,117,713	N/A

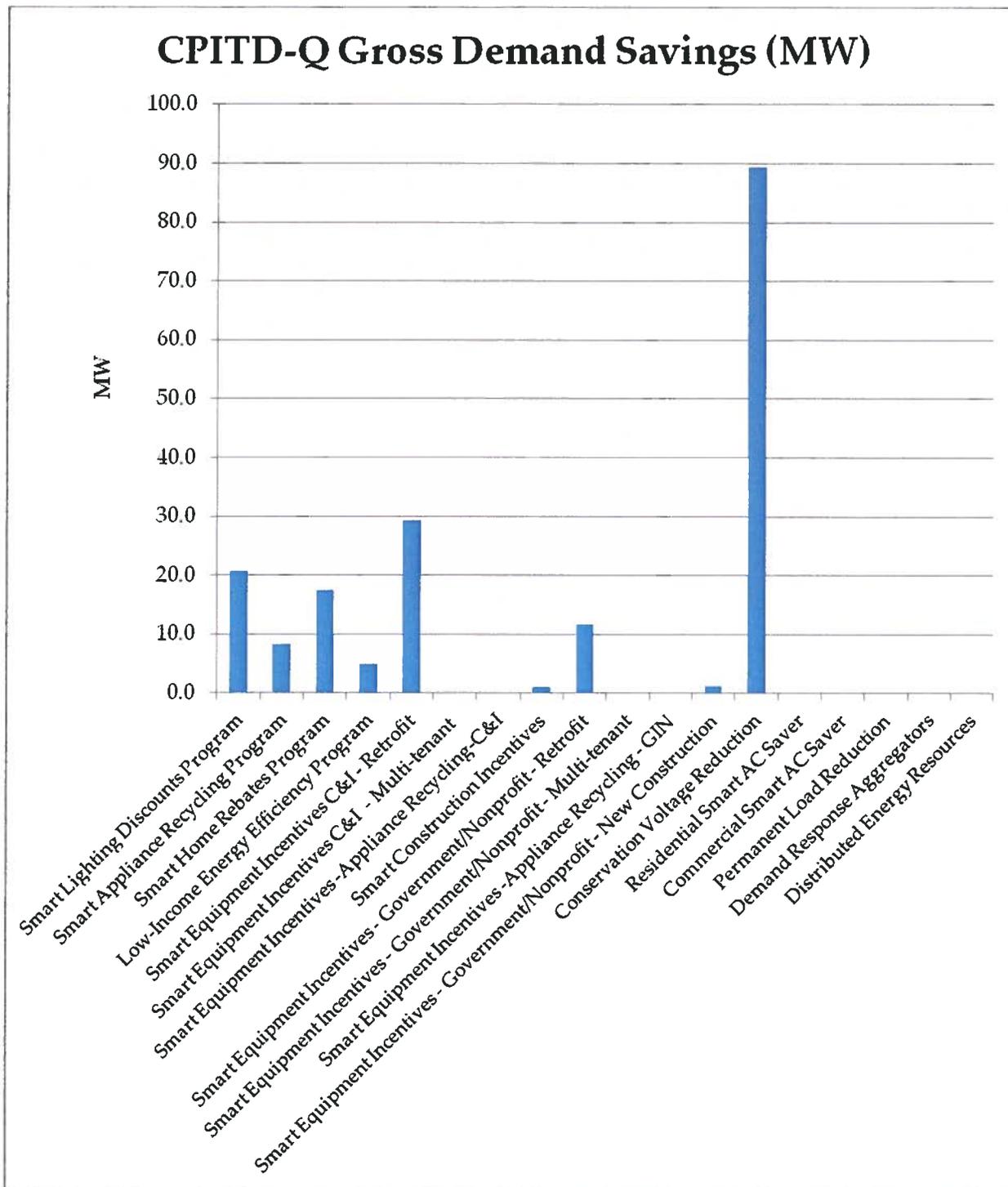
NOTES:

- 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 Participation numbers shown are the numbers of discounted lamps sold. These are excluded from total portfolio participation numbers. The CPITD participant value reported here includes 17,856 lamps that were inadvertently removed from PY2 cumulative participation values, although their costs and savings were reported correctly in all previous reports.
- ³ Participant values exclude sales of EnergyStar lighting fixtures and LED lamps, for which upstream rebates are provided.
- ⁴ Act 129 includes a provision requiring electric distribution companies to offer a number of energy efficiency measures to low-income households that are "proportionate to those households' share of the total energy usage in the service territory." 66 Pa.C.S. §2806.1(b)(i)(G). The legislation contains no provisions regarding targets for participation, or energy or demand savings. Participation includes only those receiving the Weatherization Audit.
- ⁵ The 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 multi-family buildings in which the participants live.

3 Summary of Demand Impacts by Program

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

Figure 3-2. CPITD-Q Reported Demand Reduction by Program



A summary of demand reduction impacts by program through the first quarter of PY4 is presented in

Table 3-1.

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

Program	Participants				Reported Gross Impact (MW)				Preliminary Realization Rate ¹
	IQ	PYTD	CPITD	IQ	PYTD	CPITD	CPITD-Q	PYTD	
Residential	4,543	4,543	314,700	1.3	1.3	46.5	46.5	N/A	
Smart Lighting Discounts Program ²	53,324	53,324	746,986	0.1	0.1	20.7	20.7	1	
Smart Appliance Recycling Program	1,070	1,070	28,813	0.2	0.2	8.4	8.4	1	
Smart Home Rebates Program ³	3,473	3,473	285,887	0.9	0.9	17.4	17.4	N/A	
Low-Income Energy Efficiency Program Total⁴	2,394	2,394	24,528	0.5	0.5	5.0	5.0	N/A	
Low-Income Energy Efficiency Program	2,394	2,394	24,528	0.5	0.5	5.0	5.0	N/A	
Non-Residential	191	191	4,285	3.3	3.3	45.4	43.3	N/A	
Commercial and Industrial Total	110	110	3,400	2.0	2.0	30.4	30.3	N/A	
Smart Equipment Incentives - Retrofit	86	86	2,960	1.8	1.8	29.2	29.3	N/A	
Smart Equipment Incentives - Multi-tenant ⁵	21	21	382	0.0	0.0	0.1	0.0	N/A	
Smart Equipment Incentives - Appliance Recycling	1	1	10	0.0	0.0	0.0	0.0	N/A	
Smart Construction Incentives	2	2	48	0.1	0.1	1.0	1.0	N/A	
Government / Nonprofit Total	81	81	885	1.3	1.3	15.0	12.9	N/A	
Smart Equipment Incentives - Retrofit	70	70	772	1.2	1.2	13.6	11.6	N/A	
Smart Equipment Incentives - Multi-tenant ⁵	5	5	79	0.0	0.0	0.0	0.0	N/A	
Smart Equipment Incentives - Appliance Recycling	-	-	5	0.0	0.0	0.0	0.0	N/A	
Smart Equipment Incentives - New Construction	6	6	29	0.1	0.1	1.3	1.3	N/A	

	IQ	PYTD	CPITD	IQ	PYTD	CPITD-Q	PYTD	CPITD-Q	PYTD
Demand Reduction	948	948	82,240	0	0	89.3	0	89.3	N/A
Conservation Voltage Reduction	-	-	NA	0.0	0.0	89.3	0.0	89.3	N/A
Residential Smart AC Saver	1,126	1,126	79,777	0.0	0.0	0.0	0.0	0.0	N/A
Commercial Smart AC Saver	(180)	(180)	2,266	0.0	0.0	0.0	0.0	0.0	N/A
Permanent Load Reduction	-	-	0	0.0	0.0	0.0	0.0	0.0	N/A
Demand Response Aggregators	(4)	(4)	189	0.0	0.0	0.0	0.0	0.0	N/A
Distributed Energy Resources	6	6	8	0.0	0.0	0.0	0.0	0.0	N/A
Total Portfolio	8,076	8,076	425,753	5.0	5.0	186.2	5.0	184.0	N/A

NOTES:

¹Preliminary 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 following the end of the program year.

²Participation numbers shown are the numbers of discounted lamps sold. These are excluded from total portfolio participation numbers. The CPTTD participant value reported here includes 17,856 lamps that were inadvertently removed from PY2 cumulative participation values, although their costs and savings were reported correctly in all previous reports.

³Participant values exclude sales of ENERGY STAR lighting fixtures and LED lamps, for which upstream rebates are provided.

⁴Act 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 legislation contains no provisions regarding targets for participation, or energy or demand savings. Participation includes only those receiving the Weatherization Audit.

⁵The 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 multi-family buildings in which the participants live.

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 1 (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$8,233	\$8,233	\$59,987
EDC Incentives to Trade Allies	\$99	\$99	\$8,419
Subtotal EDC Incentive Costs	\$8,332	\$8,332	\$68,406
Design & Development	\$0	\$0	\$0
Administration ^[1]	\$7,618	\$7,618	\$53,355
Management ^[2]	\$1,525	\$1,525	\$24,632
Marketing	\$714	\$714	\$9,225
Technical Assistance	\$996	\$996	\$10,923
Subtotal EDC Implementation Costs	\$10,852	\$10,852	\$98,130
EDC Evaluation Costs	\$527	\$527	\$5,864
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs^[3]	N/A	N/A	N/A
Participant Costs^[4]	N/A	N/A	N/A
Total TRC Costs	N/A	N/A	N/A
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2011 Total Resource Cost Test Order approved July 28, 2011.</i>			
¹ Implementation contractor costs.			
² EDC costs other than those identified explicitly.			
³ Per the 2011 Total Resource Cost Test Order – Total EDC Costs refer to EDC incurred expenses only.			
⁴ Per the 2011 Total Resource Cost Test Order –Net participant costsrefer to the costs of the end-use customer.			

4.2 Program-Level Expenditures

Program-specific finances are shown in the following tables.

Table 2-2. Low-Income Energy Efficiency Program

	Quarter 1 (\$000)	PYTD (\$000)	CPITD (\$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 ⁽¹⁾	\$263	\$263	\$2,244
Management ⁽²⁾	\$67	\$67	\$1,058
Marketing	\$165	\$165	\$537
Technical Assistance	\$996	\$996	\$10,923
Subtotal EDC Implementation Costs	\$1,490	\$1,490	\$14,760
EDC Evaluation Costs	\$33	\$33	\$388
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽³⁾	N/A	N/A	N/A
Participant Costs⁽⁴⁾	N/A	N/A	N/A
Total TRC Costs	N/A	N/A	N/A
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2011 Total Resource Cost Test Order approved July 28, 2011.</i>			
¹ Implementation contractor costs.			
² EDC costs other than those identified explicitly.			
³ Per the 2011 Total Resource Cost Test Order – Total EDC Cost refer to EDC incurred expenses only.			
⁴ Per the 2011 Total Resource Cost Test Order –Net participant costs refer to the costs of the end-use customer.			

Table 4-3. Smart Lighting Discounts Program

	Quarter 1 (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$0	\$0	\$0
EDC Incentives to Trade Allies	\$79	\$79	\$8,185
Subtotal EDC Incentive Costs	\$79	\$79	\$8,185
Design & Development	\$0	\$0	\$0
Administration ^[1]	\$119	\$119	\$2,233
Management ^[2]	\$73	\$73	\$855
Marketing	\$154	\$154	\$3,388
Technical Assistance	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$346	\$346	\$6,476
EDC Evaluation Costs	\$62	\$62	\$756
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs^[3]	N/A	N/A	N/A
Participant Costs^[4]	N/A	N/A	N/A
Total TRC Costs	N/A	N/A	N/A
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2011 Total Resource Cost Test Order approved July 28, 2011.</i>			
¹ Implementation contractor costs.			
² EDC costs other than those identified explicitly.			
³ Per the 2011 Total Resource Cost Test Order – Total EDC Costs refer to EDC incurred expenses only.			
⁴ Per the 2011 Total Resource Cost Test Order –Net participant costs refer to, the costs of the end-use customer.			

Table 4-4. Smart Appliance Recycling Program

	Quarter 1 (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$17	\$17	\$1,049
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$17	\$17	\$1,049
Design & Development			
Design & Development	\$0	\$0	\$0
Administration ⁽¹⁾	\$95	\$95	\$2,630
Management ⁽²⁾	\$52	\$52	\$798
Marketing	\$36	\$36	\$595
Technical Assistance	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$182	\$182	\$4,022
EDC Evaluation Costs			
EDC Evaluation Costs	\$18	\$18	\$196
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽³⁾	N/A	N/A	N/A
Participant Costs⁽⁴⁾	N/A	N/A	N/A
Total TRC Costs	N/A	N/A	N/A
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2011 Total Resource Cost Test Order approved July 28, 2011.</i>			
¹ Implementation contractor costs.			
² EDC costs other than those identified explicitly.			
³ Per the 2011 Total Resource Cost Test Order – Total EDC Costs refer to EDC incurred expenses only.			
⁴ Per the 2011 Total Resource Cost Test Order –Net participant costs refer to the costs of the end-use customer.			

Table 4-5. Smart Home Rebates Program

	Quarter 1 (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$638	\$638	\$21,048
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$638	\$638	\$21,048
Design & Development	\$0	\$0	\$0
Administration ⁽¹⁾	\$298	\$298	\$7,079
Management ⁽²⁾	\$147	\$147	\$2,223
Marketing	\$146	\$146	\$2,563
Technical Assistance	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$591	\$591	\$11,864
EDC Evaluation Costs	\$69	\$69	\$747
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽³⁾	N/A	N/A	N/A
Participant Costs⁽⁴⁾	N/A	N/A	N/A
Total TRC Costs	N/A	N/A	N/A

NOTES

Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2011 Total Resource Cost Test Order approved July 28, 2011.

¹ Implementation contractor costs.

² EDC costs other than those identified explicitly.

³ Per the 2011 Total Resource Cost Test Order – Total EDC Costs refer to EDC incurred expenses only.

⁴ Per the 2011 Total Resource Cost Test Order –Net participant costs refer to the costs of the end-use customer.

Table 4-6. Smart Equipment Incentives C&I

	Quarter 1 (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$800	\$800	\$12,767
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$800	\$800	\$12,767
Implementation Costs			
Design & Development	\$0	\$0	\$0
Administration ^[1]	\$626	\$626	\$7,292
Management ^[2]	\$124	\$124	\$1,821
Marketing	\$94	\$94	\$1,100
Technical Assistance	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$844	\$844	\$10,214
Other EDC Costs			
EDC Evaluation Costs	\$153	\$153	\$1,508
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs^[3]	N/A	N/A	N/A
Participant Costs^[4]	N/A	N/A	N/A
Total TRC Costs	N/A	N/A	N/A
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2011 Total Resource Cost Test Order approved July 28, 2011.</i>			
¹ Implementation contractor costs.			
² EDC costs other than those identified explicitly.			
³ Per the 2011 Total Resource Cost Test Order – Total EDC Costs refer to EDC incurred expenses only.			
⁴ Per the 2011 Total Resource Cost Test Order –Net participant costs refer to the costs of the end-use customer.			

Table 4-7. Smart Equipment Incentives – Government and Nonprofit

	Quarter 1 (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$885	\$885	\$9,844
EDC Incentives to Trade Allies	\$20	\$20	\$115
Subtotal EDC Incentive Costs	\$905	\$905	\$9,959
Implementation Costs			
Design & Development	\$0	\$0	\$0
Administration ⁽¹⁾	\$379	\$379	\$4,063
Management ⁽²⁾	\$71	\$71	\$1,099
Marketing	\$33	\$33	\$421
Technical Assistance	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$484	\$484	\$5,583
Other EDC Costs			
EDC Evaluation Costs	\$74	\$74	\$746
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽³⁾	N/A	N/A	N/A
Participant Costs⁽⁴⁾	N/A	N/A	N/A
Total TRC Costs	N/A	N/A	N/A
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2011 Total Resource Cost Test Order approved July 28, 2011.</i>			
¹ Implementation contractor costs.			
² EDC costs other than those identified explicitly.			
³ Per the 2011 Total Resource Cost Test Order – Total EDC Costs refer to EDC incurred expenses only.			
⁴ Per the 2011 Total Resource Cost Test Order –Net participant costs refer to the costs of the end-use customer.			

Table 4-8. Smart Construction Incentives

	Quarter 1 (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$86	\$86	\$699
EDC Incentives to Trade Allies	\$0	\$0	\$119
Subtotal EDC Incentive Costs	\$86	\$86	\$818
Implementation Costs			
Design & Development	\$0	\$0	\$0
Administration ⁽¹⁾	\$47	\$47	\$447
Management ⁽²⁾	\$12	\$12	\$125
Marketing	\$5	\$5	\$59
Technical Assistance	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$64	\$64	\$632
Other EDC Costs			
EDC Evaluation Costs	\$3	\$3	\$66
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽³⁾	N/A	N/A	N/A
Participant Costs⁽⁴⁾	N/A	N/A	N/A
Total TRC Costs	N/A	N/A	N/A
NOTES			
Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2011 Total Resource Cost Test Order approved July 28, 2011.			
¹ Implementation contractor costs.			
² EDC costs other than those identified explicitly.			
³ Per the 2011 Total Resource Cost Test Order – Total EDC Costs refer to EDC incurred expenses only.			
⁴ Per the 2011 Total Resource Cost Test Order – Net participant costs refer to the costs of the end-use customer.			

Table 4-9. Conservation Voltage Reduction

	Quarter 1 (\$000)	PYTD (\$000)	CPITD (\$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 ^[1]	\$65	\$65	\$1,776
Management ^[2]	\$9	\$9	\$168
Marketing	\$0	\$0	\$0
Technical Assistance	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$75	\$75	\$1,944
EDC Evaluation Costs	\$14	\$14	\$154
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs^[3]	N/A	N/A	N/A
Participant Costs^[4]	N/A	N/A	N/A
Total TRC Costs	N/A	N/A	N/A
NOTES			
Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2011 Total Resource Cost Test Order approved July 28, 2011.			
¹ Implementation contractor costs.			
² EDC costs other than those identified explicitly.			
³ Per the 2011 Total Resource Cost Test Order – Total EDC Costs refer to EDC incurred expenses only.			
⁴ Per the 2011 Total Resource Cost Test Order – Net participant costs refer to the costs of the end-use customer.			

Table 4-10. Residential Smart AC Saver

	Quarter 1 (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$5,555	\$5,555	\$14,183
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$5,555	\$5,555	\$14,183
Design & Development	\$0	\$0	\$0
Administration ⁽¹⁾	\$1,692	\$1,692	\$9,080
Management ⁽²⁾	\$660	\$660	\$13,262
Marketing	\$23	\$23	\$328
Technical Assistance	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$2,375	\$2,375	\$22,669
EDC Evaluation Costs	\$38	\$38	\$462
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽³⁾	N/A	N/A	N/A
Participant Costs⁽⁴⁾	N/A	N/A	N/A
Total TRC Costs	N/A	N/A	N/A

NOTES

Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2011 Total Resource Cost Test Order approved July 28, 2011.

¹ Implementation contractor costs.

² EDC costs other than those identified explicitly.

³ Per the 2011 Total Resource Cost Test Order – Total EDC Costs refer to EDC incurred expenses only.

⁴ Per the 2011 Total Resource Cost Test Order –Net participant costs refer to the costs of the end-use customer.

Table 4-11. Commercial Smart AC Saver

	Quarter 1 (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$252	\$252	\$397
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$252	\$252	\$397
EDC Implementation Costs			
Design & Development	\$0	\$0	\$0
Administration ^[1]	\$158	\$158	\$3,171
Management ^[2]	\$55	\$55	\$763
Marketing	\$58	\$58	\$234
Technical Assistance	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$271	\$271	\$4,168
EDC Evaluation Costs			
EDC Evaluation Costs	\$13	\$13	\$176
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs^[3]	N/A	N/A	N/A
Participant Costs^[4]	N/A	N/A	N/A
Total TRC Costs	N/A	N/A	N/A
NOTES			
Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2011 Total Resource Cost Test Order approved July 28, 2011.			
¹ Implementation contractor costs.			
² EDC costs other than those identified explicitly.			
³ Per the 2011 Total Resource Cost Test Order – Total EDC Costs refer to EDC incurred expenses only.			
⁴ Per the 2011 Total Resource Cost Test Order –Net participant costs refer to the costs of the end-use customer.			

Table 4-12. Permanent Load Reduction

	Quarter 1 (\$000)	PYTD (\$000)	CPITD (\$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 ^[1]	\$33	\$33	\$339
Management ^[2]	\$13	\$13	\$263
Marketing	\$0	\$0	\$0
Technical Assistance	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$46	\$46	\$601
EDC Evaluation Costs	\$7	\$7	\$77
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs^[3]	N/A	N/A	N/A
Participant Costs^[4]	N/A	N/A	N/A
Total TRC Costs	N/A	N/A	N/A
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2011 Total Resource Cost Test Order approved July 28, 2011.</i>			
¹ Implementation contractor costs.			
² EDC costs other than those identified explicitly.			
³ Per the 2011 Total Resource Cost Test Order – Total EDC Costs refer to EDC incurred expenses only.			
⁴ Per the 2011 Total Resource Cost Test Order –Net participant costs refer to the costs of the end-use customer.			

Table 4-13. Demand Response Aggregators

	Quarter 1 (\$000)	PYTD (\$000)	CPITD (\$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 ⁽¹⁾	\$3,223	\$3,223	\$11,968
Management ⁽²⁾	\$109	\$109	\$1,001
Marketing	\$0	\$0	\$0
Technical Assistance	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$3,333	\$3,333	\$12,970
EDC Evaluation Costs	\$17	\$17	\$288
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽³⁾	N/A	N/A	N/A
Participant Costs⁽⁴⁾	N/A	N/A	N/A
Total TRC Costs	N/A	N/A	N/A
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2011 Total Resource Cost Test Order approved July 28, 2011.</i>			
¹ Implementation contractor costs.			
² EDC costs other than those identified explicitly.			
³ Per the 2011 Total Resource Cost Test Order – Total EDC Costs refer to EDC incurred expenses only.			
⁴ Per the 2011 Total Resource Cost Test Order –Net participant costs refer to the costs of the end-use customer.			

Table 4-14. Distributed Energy Resources

	Quarter 4 (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$0	\$0	\$0
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$0	\$0	\$0
EDC Implementation Costs			
Design & Development	\$0	\$0	\$0
Administration ⁽¹⁾	\$619	\$619	\$1,032
Management ⁽²⁾	\$131	\$131	\$1,194
Marketing	\$0	\$0	\$0
Technical Assistance	\$0	\$0	\$0
Subtotal EDC Implementation Costs	\$750	\$750	\$2,226
EDC Evaluation Costs			
EDC Evaluation Costs	\$27	\$27	\$301
SWE Audit Costs	N/A	N/A	N/A
Total EDC Costs⁽³⁾	N/A	N/A	N/A
Participant Costs⁽⁴⁾	N/A	N/A	N/A
Total TRC Costs	N/A	N/A	N/A
NOTES			
Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2011 Total Resource Cost Test Order approved July 28, 2011.			
¹ Implementation contractor costs.			
² EDC costs other than those identified explicitly.			
³ Per the 2011 Total Resource Cost Test Order – Total EDC Costs refer to EDC incurred expenses only.			
⁴ Per the 2011 Total Resource Cost Test Order –Net participant costs refer to the costs of the end-use customer.			