

AN EXELON COMPANY

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PECO 2301 Market Street S15 Philadelphia, PA 19103

January 17, 2023

VIA E-Filing

Rosemary Chiavetta, Secretary Pennsylvania Public Utility Commission Commonwealth Keystone Building 400 North Street, 2nd Floor Harrisburg, PA 17120

Re: PUC Docket No. M-2020-3020830

Phase IV Energy Efficiency and Conservation Program Semiannual Report for June 1, 2022 through May 31, 2023

Dear Secretary Chiavetta:

In accordance with Section IV.D.2 of the Commission's Opinion and Order Letter dated March 17, 2016 (Docket No. M-2015-2515691), enclosed is PECO's ("PECO" or "the Company") Phase IV Semiannual Energy Efficiency & Conservation Report for the period June 1, 2022 through May 31, 2023.

PECO is providing a copy of the report to the Act 129 Statewide Evaluator (NMR Group) and is also posting the report on the PECO website.

Thank you for your assistance in this matter and please direct any questions regarding the above to Megan McDevitt, Senior Manager, Retail Rates at (215) 841 6361 or via email: megan.mcdevitt@exeloncorp.com.

Sincerely,



Rosemary Chiavetta, Secretary January 17, 2023 Page 2

Enclosures

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Semiannual Report to the Pennsylvania Public Utility Commission

Phase IV of Act 129

Program Year 14 (June 1, 2022 – May 31, 2023)

For Pennsylvania Act 129 of 2008 Energy Efficiency and Conservation Plan

Prepared by Guidehouse Inc.

For:



January 15, 2023

guidehouse.com

This deliverable was prepared by Guidehouse Inc. for the sole use and benefit of, and pursuant to a client relationship exclusively with PECO ("Client"). The work presented in this deliverable represents Guidehouse's professional judgement based on the information available at the time this report was prepared. Guidehouse is not responsible for a third party's use of, or reliance upon, the deliverable, nor any decisions based on the report. Readers of the report are advised that they assume all liabilities incurred by them, or third parties, as a result of their reliance on the report, or the data, information, findings, and opinions contained in the report.



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Acronyms

BDR	Behavioral Demand Response
C&I	Commercial and Industrial
CSP	Conservation Service Provider or Curtailment Service Provider
DLC	Direct Load Control
DR	Demand Response
EDC	Electric Distribution Company
EDT	Eastern Daylight Time
EE&C	Energy Efficiency and Conservation
EM&V	Evaluation, Measurement, and Verification
EUL	Effective Useful Life
GNI	Government, Nonprofit, Institutional
HVAC	Heating, Ventilating, and Air Conditioning
ICSP	Implementation Conservation Service Provider
kW	Kilowatt
kWh	Kilowatt-hour
LED	Light-Emitting Diode
LIURP	Low-Income Usage Reduction Program
M&V	Measurement and Verification
MW	Megawatt
MWh	Megawatt-hour
NTG	Net-to-Gross
P4TD	Phase IV to Date
PA PUC	Pennsylvania Public Utility Commission
PSA	Phase IV to Date Preliminary Savings Achieved; equal to VTD + PYTD
PSA+CO	PSA savings plus Carryover from Phase III
PY	Program Year: e.g., PY14, from June 1, 2021 to May 31, 2022
PYRTD	Program Year Reported to Date
PYVTD	Program Year Verified to Date
RTD	Phase IV to Date Reported Gross Savings
SWE	Statewide Evaluator
TRC	Total Resource Cost
TRM	Technical Reference Manual
VTD	Phase IV to Date Verified Gross Savings



Types of Savings

Gross Savings: The change in energy consumption or peak demand that results directly from program-related actions taken by participants in an Energy Efficiency and Conservation (EE&C) program, regardless of why they participated.

Net Savings: The total change in energy consumption or peak demand that is attributable to an EE&C program. Depending on the program delivery model and evaluation methodology, the net savings estimates may differ from the gross savings estimate due to adjustments for the effects of free riders, changes in codes and standards, market effects, participant and nonparticipant spillover, and other causes of change in energy consumption or demand not directly attributable to the EE&C program.

Reported Gross: Also referred to as ex ante savings. The energy and peak demand savings values calculated by the electric distribution company (EDC) or its program implementation conservation service providers (ICSPs) and stored in the program tracking system.

Verified Gross: Also referred to as ex post gross savings. The energy and peak demand savings estimates reported by the independent evaluation contractor after the gross impact evaluation and associated measurement and verification (M&V) efforts have been completed.

Verified Net: Also referred to as ex post net savings. The energy and peak demand savings estimates reported by the independent evaluation contractor after applying the results of the net impact evaluation. Typically calculated by multiplying the verified gross savings by a net-to-gross ratio.

Annual Savings: Energy and demand savings expressed on an annual basis or the amount of energy or peak demand an EE&C measure or program can be expected to save over the course of a typical year. Annualized savings are noted as MWh/year or MW/year. The Pennsylvania Technical Reference Manual provides algorithms and assumptions to calculate annual savings, and Act 129 compliance targets for consumption reduction are based on the sum of the annual savings estimates of installed measures.

Lifetime Savings: Energy and demand savings expressed in terms of the total expected savings over the useful life of the measure. Typically calculated by multiplying the annual savings of a measure by its effective useful life. The total resource cost (TRC) test uses savings from the full lifetime of a measure to calculate the cost-effectiveness of EE&C programs.

Program Year Reported to Date (PYRTD): The reported gross energy and peak demand savings achieved by an EE&C program or portfolio within the current program year. Program year to date (PYTD) values for energy efficiency will always be reported as gross savings in a semiannual report.

Program Year Verified to Date (PYVTD): The verified gross energy and peak demand savings achieved by an EE&C program or portfolio within the current program year.



Phase IV to Date (P4TD): The energy and peak demand savings achieved by an EE&C program or portfolio within Phase IV of Act 129. Reported in several permutations described as follows:

- Phase IV to Date Reported (RTD): The sum of the reported gross savings recorded to date in Phase IV of Act 129 for an EE&C program or portfolio.
- Phase IV to Date Verified (VTD): The sum of the verified gross savings recorded to date in Phase IV of Act 129 for an EE&C program or portfolio as determined by the impact evaluation finding of the independent evaluation contractor.
- Phase IV to Date Preliminary Savings Achieved (PSA): The sum of the verified gross savings (VTD) from previous program years in Phase IV where the impact evaluation is complete plus the reported gross savings from the current program year (PYTD). For PY14, the PSA savings will always equal the PYTD savings because PY14 is the first program year of the phase (no savings will be verified until the PY14 final annual report even if the approved evaluation, measurement, and verification plan calls for a historical realization rate).
- Phase IV to Date Preliminary Savings Achieved + Carryover (PSA+CO): The sum of the verified gross savings from previous program years in Phase IV plus the reported gross savings from the current program year plus any verified gross carryover savings from Phase III of Act 129. This is the best estimate of an EDC's progress toward the Phase IV compliance targets.



1. Introduction

Pennsylvania Act 129 of 2008, signed on October 15, 2008, mandated energy savings and demand reduction goals for the largest electric distribution companies (EDCs) in Pennsylvania for Phases I (2008 through 2013), II (2013 through 2016), and III (2016 through 2021). In late 2020, each EDC filed a new Energy Efficiency and Conservation (EE&C) plan with the Pennsylvania Public Utilities Commission (PA PUC) detailing the proposed design of its portfolio for Phase IV. Stakeholder input informed the updates to these plans, which were subsequently approved by the PA PUC in 2021.

Implementation of Phase IV of the Act 129 programs began on June 1, 2021. This report documents the progress of the Phase IV EE&C accomplishments for PECO in program year 14 (PY14) and the cumulative accomplishments of the Phase IV programs since inception. It also documents the energy savings carried over from Phase III. The Phase III carryover savings count toward Phase IV EDC savings compliance targets.

This report details the participation, spending, and reported gross impacts of the energy efficiency programs during the first 6 months of PY14. Compliance with Act 129 savings goals is ultimately based on verified gross savings. PECO retained Guidehouse Inc. (Guidehouse) as an independent evaluation contractor for Phase IV of Act 129. Guidehouse is responsible for the measurement and verification (M&V) of the savings and calculation of verified gross savings. The verified gross savings for PY14 energy efficiency programs will be reported in the final annual report to be filed on September 30, 2023.

Phase IV of Act 129 includes a peak demand reduction goal for PECO. Unlike previous phases of Act 129, Phase IV peak demand reduction targets must be met through coincident demand reductions from energy efficiency measures. The Act 129 peak demand reduction definition is non-holiday weekdays from 2 p.m. to 6 p.m. in June, July, and August. As in prior phases, compliance with Act 129 peak compliance goals is assessed at the system level so all coincident peak demand impacts are adjusted for line losses.



2. Summary of Achievements

2.1 Carryover Savings from Phase III of Act 129

The PA PUC's Phase IV Implementation Order¹ allowed EDCs to carry over verified savings above the Phase III portfolio and low-income savings goals and apply those savings toward Phase IV compliance targets. PECO has 106,218 MWh/year of portfolio carryover savings and 3,452 MWh/year of low-income carryover savings from Phase III toward its Phase IV energy reduction targets. Figure 1 compares PECO's Phase III verified gross savings total to the Phase III compliance target to illustrate the carryover calculation.

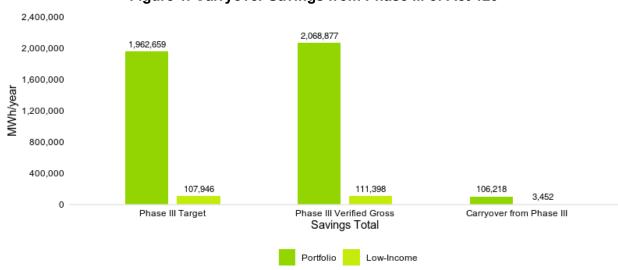


Figure 1. Carryover Savings from Phase III of Act 129

Source: Guidehouse analysis

Phase III did not include a peak demand reduction target from energy efficiency, so there are no carryover savings toward the Phase IV peak demand reduction target.

2.2 Phase IV Energy Efficiency Achievements to Date

Since the beginning of PY14 on June 1, 2022, PECO has claimed:

- 129,399 MWh/yr of reported gross electric energy savings (PYTD)
- 28.15 MW/yr of reported gross peak demand savings (PYTD)

Since the beginning of Phase IV of Act 129 on June 1, 2021, PECO has achieved:

367,874 MWh/yr of reported gross electric energy savings (RTD)

¹ Pennsylvania Public Utility Commission, *Energy Efficiency and Conservation Program* Implementation Order, at Docket No. M-2020-3015228, (*Phase IV Implementation Order*), entered June 18, 2020.



- 71.38 MW/yr of reported gross peak demand savings (RTD) from energy efficiency programs
- 372,589 MWh/yr of gross electric energy savings (PSA). This total includes verified gross savings from PY13 and the PYTD reported gross savings from PY14.
- 70.26 MW/yr of gross peak demand savings (PSA) from energy efficiency programs

Including carryover savings from Phase III, PECO has achieved:

- 478,807 MWh/yr of PSA+CO energy savings recorded to date in Phase IV
 - This value represents 34.7% of the May 31, 2026 energy savings compliance target of 1,380,837 MWh/yr at the meter level without application of any line loss factor.
- 70.26 MW/yr of PSA demand savings recorded to date in Phase IV
 - This value represents 27.4% of the May 31, 2026 energy savings compliance target of 256.00 MW/yr at the system level with application of line loss factors.

Figure 2 and Figure 3 show PECO's EE&C plan progress toward Phase IV energy conservation and peak demand reduction compliance targets.



Figure 2. Performance toward Phase IV Portfolio Energy Target

Source: Guidehouse analysis



Figure 3. Performance toward Phase IV Portfolio Peak Demand Target

The Phase IV Implementation Order directed EDCs to offer conservation measures to the Low-Income customer segment based on the proportion of electric sales attributable to low-income households. The proportionate number of measures targeted for PECO is 8.8%. PECO offers 115 EE&C measures to its Residential and Non-Residential customer classes. Of the 115 measures, 80 are available to the Low-Income customer segment at no cost to the customer. This represents 69.6% of the total measures offered in the EE&C plan and exceeds the proportionate number of measures targeted.

The PA PUC also established a Low-Income energy savings target of 5.8% of the portfolio savings goal. The Low-Income savings target for PECO is 80,089 MWh/yr and is based on verified gross savings. Figure 4 compares the PSA+CO performance to date for the Low-Income customer segment to the Phase IV savings target. Based on the latest available information, PECO has achieved 39.2% of the Phase IV Low-Income energy savings target. The low-income carveout energy savings are achieved through the Income-Eligible Program, the Income-Eligible HER Program, and contributions to the income-eligible customer segment of the Residential Multifamily program component.

90,000 75,000 60,000 45,000 80,089 31,365 30,000 12,766 15,000 15,147 0 Phase IV Compliance Target Progress Toward Compliance Target Savings Total Phase IV Compliance Target Carryover from Phase III VTD Savings PYRTD Savings

Figure 4. EE&C Plan Performance toward Phase IV Low-Income Compliance Target

2.3 Phase IV Performance by Customer Segment

Table 1 presents the participation, savings, and spending by customer segment for PY14 and Phase IV. The Residential, Small C&I, and Large C&I segments are defined by EDC tariff and the Residential Low-Income and Governmental/Educational/Nonprofit sector were defined by statute (66 Pa. C.S. § 2806.1). The Residential Low-Income segment is a subset of the Residential customer class; the GNI segment includes customers who are part of the Small C&I or Large C&I rate classes. Guidehouse removed the Low-Income and GNI segments savings, spending, and participation values from the parent Residential, Small C&I, and Large C&I sectors values in Table 1.

Table 1. PY14 Summary Statistics by Customer Segment

Parameter	Residential (Non-Low- Income)	Residential Low- Income	Small C&I (Non-GNI)	Large C&I (Non-GNI)	Small GNI	Large GNI	Municipal Lighting	Total
No. of Participants	516,177	49,937	1,759	536	153	99	3	568,664
PYRTD MWh/yr	43,434	10,450	36,531	34,208	2,199	2,442	134	129,399
PYRTD MW/yr	11.79	1.28	7.64	6.36	0.55	0.53	0.00	28.15
Incentives (\$1,000)	\$3,976	\$3,358	\$6,615	\$4,933	\$521	\$531	\$28	\$19,962

Source: Guidehouse analysis



Table 2 summarizes plan performance by segment since the beginning of Phase IV.

Table 2. Phase IV Summary Statistics by Customer Segment

Parameter	Residential (Non-Low- Income)	Residential Low- Income	Small C&I (Non-GNI)	Large C&I (Non-GNI)	Small GNI	Large GNI	Municipal Lighting	Total
No. of Participants	583,712	97,623	3,835	1,500	525	273	25	687,493
PYRTD MWh/yr	106,031	27,277	82,374	131,312	9,159	10,796	925	367,874
PYRTD MW/yr	22.85	3.23	18.21	22.91	1.99	2.19	0.00	71.38
Incentives (\$1,000)	\$9,425	\$7,518	\$13,396	\$11,823	\$1,856	\$1,959	\$178	\$46,156

Source: Guidehouse analysis



3. Updates and Findings

3.1 Implementation Updates and Findings

This section summarizes PECO's EE&C plan and program implementation updates, as well as findings available at the time of this report's writing. In PY14, PECO expects to implement the EE&C plan as filed.

PECO's EE&C plan is implemented through a customer-centric portfolio of offerings to meet its customers' energy-saving needs, regardless of customer rate class. In Phase IV, PECO offers five customer programs:

- Residential
- Residential Home Energy Reports (HER)
- Income-Eligible
- Income-Eligible HER
- Non-Residential

Within each program, PECO offers distinct program components. Programs and program components are defined as follows:

- **Programs:** A mix of measures and treatments for customers structured to include interactions with multiple market actors across the value chain through various program components. The PECO portfolio is organized into five programs.
- **Program components:** Program components tailor service delivery to the needs of each customer class. For example, the Residential program offers rebates, a marketplace platform, in-home assessments, appliance recycling, and other service components.
- **Pilots:** Savings and costs for the pilots are reported as part of the following program components:
 - The Residential Comprehensive Projects Pilot is reported as part of the Rebates and Residential Marketplace program component and the Residential In-Home Assessment program component
 - The Health and Safety Pilot is reported as part of the Income-Eligible Single Family program component
 - The Non-Residential Comprehensive Projects Pilot savings is reported as part of the Non-Residential Downstream program component

3.2 Evaluation Updates and Findings

Guidehouse is finalizing the PY14 evaluation plan and sampling plan for each program and component. The team will interview PECO staff and CSPs and review program tracking databases and engineering files. These activities inform the design of participant surveys exploring customer satisfaction and experience and the verification of measure installations for specific components per the evaluation plan. Guidehouse's progress on each program and component is summarized as follows:



- Residential Program: Guidehouse is reviewing first and second quarter data and developing sampling plans and survey instruments in support of PY14 evaluation activities.
- Income-Eligible Residential Subsector: Guidehouse is reviewing first and second quarter data and developing sampling plans and survey instruments in support of PY14 evaluation activities.
- Residential HER Program: Guidehouse is developing evaluation plans and survey instruments in support of PY14 evaluation activities.
- **Income-Eligible HER Program:** Guidehouse is developing evaluation plans and survey instruments in support of PY14 evaluation activities.
- Non-Residential Program: Guidehouse is reviewing first and second quarter data and developing sampling plans and survey or interview guides in support of PY14 evaluation activities.



4. Summary of Participation by Program

Participation is defined differently for certain programs and program components depending on the program delivery channel and data tracking practices. The nuances of the participant definition vary by program and are summarized by program in the following bullets. Participants are defined as a unique account number by program, program component, customer segment and program year, with the following notes and exceptions:

- For residential new construction, participation is defined as the count of unique job identifier by program year.
- Phase IV to date participant counts are additive across program years for all program components, except for the Residential HER program and the Income-Eligible HER program. For the HER programs Phase IV to date participation is equal to the maximum participation observed by program year during Phase IV.
- Master metered buildings with a single account number are counted as a single participant, even if the program serves multiple units.
- Account numbers are not tracked for the Residential Rebates and Marketplace Upstream Lighting delivery channel and Income-Eligible Single-Family Giveaways. Participation for those delivery channels is calculated as the sum of rebated measures. These are summarized separately in Table 4.

Table 3 provides the current participation for PY14 and Phase IV and Table 4 provides participation for upstream lighting and IE giveaways.



Table 3. EE&C Plan Participation by Program Component

Program and Component	PYTD Participation	P4TD Participation
Rebates and Marketplace	8,199	22,602
Appliance Recycling	5,153	14,496
In-Home Assessment	10,755	14,654
New Construction	928	2,819
Multifamily	2,705	2,866
Multifamily Income-Eligible	11,316	22,556
Residential Total	39,056	79,993
Single-Family	17,706	27,420
Appliance Recycling	704	2,354
Long-Term Savings	59	151
Income-Eligible Total	18,469	29,925
Residential HER	489,248	550,187
Income-Eligible HER	19,456	21,981
Downstream	469	1,170
Midstream	1,772	3,925
Small Business Direct Install	170	257
New Construction	24	55
Non-Residential Total	2,435	5,407
Portfolio Total	568,664	687,493

Table 4. Upstream Lighting and Giveaway Measures

Program and Component	PYTD Participation	P4TD Participation
Residential Rebates and Marketplace – Upstream Lighting	1,153,984	2,827,829
Income-Eligible Single-Family – Giveaways	137,740	375,697
Portfolio Total	1,291,724	3,203,526

Source: Guidehouse analysis



5. Summary of Energy Impacts by Program

Figure 5 summarizes the PYTD reported gross energy savings by program for PY14.

Residential HER

Residential

Non-Residential

Income-Eligible HER

0 25,000 50,000 75,000 Energy Savings (MWh/year)

Figure 5. PYRTD Reported Gross Energy Savings by Program

Source: Guidehouse analysis

Figure 6 presents a summary of the PSA gross energy savings by program for Phase IV of Act 129. PSA savings include verified gross savings from previous program years and the PYTD savings from the current program year PY14.

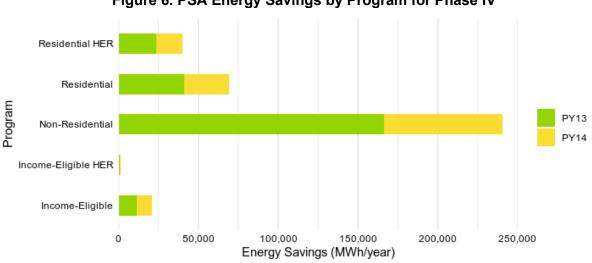


Figure 6. PSA Energy Savings by Program for Phase IV

Source: Guidehouse analysis

Table 5. summarizes energy impacts by program through the current reporting period.



Table 5. Energy Savings by Program (MWh/Year)

Program and Component	PYRTD	RTD	VTD	PSA
Rebates and Marketplace	15,966	38,488	22,146	38,112
Appliance Recycling	5,013	13,493	8,988	14,001
In-Home Assessment	2,275	5,145	2,354	4,629
New Construction	1,074	3,143	2,097	3,170
Multifamily	1,646	3,913	2,238	3,884
Multifamily Income-Eligible	2,544	6,344	3,041	5,585
Residential Total	28,517	70,526	40,863	69,380
Single-Family	8,959	23,691	10,144	19,102
Appliance Recycling	659	1,754	1,047	1,707
Long-Term Savings	102	244	120	222
Income-Eligible Total	9,720	25,689	11,310	21,031
Residential HER*	16,378	40,167	23,781	40,159
Income-Eligible HER*	502	1,295	795	1,297
Downstream	32,179	143,900	116,882	149,061
Midstream	37,167	72,144	40,573	77,740
Small Business Direct Install	2,244	6,321	3,750	5,994
New Construction	2,692	7,832	5,236	7,928
Non-Residential Total	74,282	230,197	166,440	240,722
Portfolio Total	129,399	367,874	243,190	372,588

^{*} Savings for the Residential HER and the Income-Eligible HER programs are reported with a one-month lag. Therefore, for these two programs the reported savings in this report are representative of five months instead of six months.



6. Summary of Peak Demand Impacts by Program

Act 129 defines peak demand savings from energy efficiency as the average expected reduction in electric demand from 2 p.m. to 6 p.m. EDT on non-holiday weekdays from June to August. This report presents the peak demand impacts from energy efficiency at the system level, meaning they reflect adjustments for transmission and distribution losses. PECO uses the following line loss percentages or multipliers by sector:

- Residential = 1.0799
- Non-Residential = 1.0799

Figure 7 summarizes the PYRTD reported gross peak demand savings by energy efficiency program for PY14 at the system level with the application of line loss factors. PYRTD is also the Act 129 Phase IV PSA gross peak demand savings for this PY14 Semiannual Report.

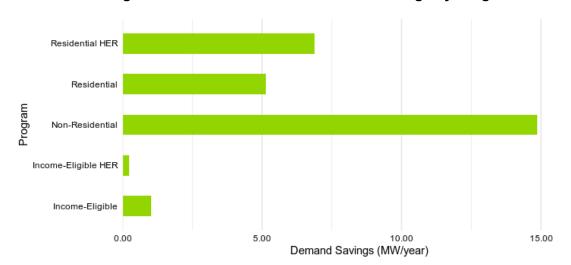


Figure 7. PYRTD Gross Peak Demand Savings by Program

Source: Guidehouse analysis

Figure 8 presents a summary of the PSA gross peak demand savings by energy efficiency program for Phase IV of Act 129.

Residential HER

Residential

Non-Residential

Income-Eligible HER

0.00 15.00 30.00 45.00

Demand Savings (MW/year)

Figure 8. PSA Gross Peak Demand Savings by Energy Efficiency Program for Phase IV

Table 6 summarizes the peak demand impacts by program through the current reporting period.

Table 6. Peak Demand Savings by Program (MW/Year)

Program and Component	PYRTD	RTD	VTD	PSA
Rebates and Marketplace	2.81	6.73	4.12	6.94
Appliance Recycling	1.12	2.83	1.77	2.89
In-Home Assessment	0.26	0.62	0.30	0.56
New Construction	0.42	1.30	0.59	1.01
Multifamily	0.24	0.59	0.33	0.57
Multifamily Income-Eligible	0.29	0.71	0.32	0.62
Residential Total	5.15	12.79	7.44	12.59
Single-Family	0.89	2.45	1.01	1.90
Appliance Recycling	0.13	0.38	0.24	0.37
Long-Term Savings	0.01	0.02	0.01	0.02
Income-Eligible Total	1.03	2.84	1.27	2.29
Residential HER	6.88	10.75	4.10	10.98
Income-Eligible HER	0.22	0.35	-0.12	0.10
Downstream	5.95	26.59	19.20	25.14
Midstream	7.96	15.39	8.46	16.42
Small Business Direct Install	0.43	1.11	0.67	1.10
New Construction	0.52	1.56	1.11	1.63
Non-Residential Total	14.87	44.65	29.43	44.29
Portfolio Total	28.15	71.38	42.11	70.25

Source: Guidehouse analysis



7. Summary of Finances

This section summarizes the expenditures associated with PECO's portfolio and the recovery of those costs from ratepayers.

7.1 Program and Portfolio Financials

Table 7 shows program-specific and portfolio total finances for PY14. The columns in Table 7 and Table 8 are adapted from the list of program cost elements in the PA PUC's EE&C plan template² for Phase IV. So far in PY14, 57% of all EE&C plan expenditures have been incentives to participants and trade allies. Program-specific and portfolio total finances since the inception of Phase IV are the same as those reported for PY13:

- Incentives includes rebates, point-of-sale buydowns, kits, and direct install materials and labor.
- EDC materials, labor, and administration includes costs associated with an EDC's own employees.
- ICSP materials, labor, and administration includes the program implementation contractor and the costs of any other outside vendors an EDC employs to support program delivery.

Program	Incentives	Non-Incentive Costs	Total Cost
Residential	\$4,142	\$3,313	\$7,455
Income-Eligible	\$3,316	\$960	\$4,276
Residential HER	\$0	\$1,310	\$1,310
Income-Eligible HER	\$0	\$40	\$40
Non-Residential	\$12,503	\$3,826	\$16,329
Common Portfolio Co	osts³	•	\$5,597
Portfolio Total	\$19,962	\$9,449	\$35,008
SWE Costs ⁴	N/A	N/A	N/A

\$9,449

\$35.008

Table 7. Program Year to Date Financials (\$1,000)

Source: Guidehouse analysis

Total

\$19.962

² Energy Efficiency and Conservation Plan Template. https://www.puc.pa.gov/pcdocs/1676672.docx. PA PUC. September 9, 2020.

³ Common Portfolio Cost include EDC administrative costs, marketing, and EM&V.

⁴ Statewide Evaluation costs are outside of the 2% spending cap.



Table 8. Phase IV to Date Financials (\$1,000)

Program	Incentives	Non-Incentive Costs	Total Cost
Residential	\$9,867	\$8,276	\$18,143
Income-Eligible	\$7,469	\$2,538	\$10,007
Residential HER	\$0	\$2,728	\$2,728
Income-Eligible HER	\$0	\$100	\$100
Non-Residential	\$28,819	\$13,960	\$42,779
Common Portfolio Co	sts ⁵	•	\$16,070
Portfolio Total	\$46,155	\$27,602	\$89,829
SWE Costs ⁶	N/A	N/A	N/A
Total	\$46,155	\$27,602	\$89,829

Cost-effectiveness testing for Act 129 EE&C programs is performed using the total resource cost (TRC) test. Benefit-cost modeling is conducted annually using verified gross and verified net savings once the results of the independent impact evaluation are completed. TRC test results for PY14 will be presented in the final annual report to the PA PUC on September 30, 2023 along with a more granular breakdown of portfolio costs.

7.2 Cost Recovery

Act 129 allows Pennsylvania EDCs to recover EE&C plan costs through a cost recovery mechanism. PECO's cost recovery charges are organized separately by 4 customer sectors to ensure the electric rate classes that finance the programs are the rate classes that receive the direct energy and conservation benefits. Cost recovery is necessarily tied to the way customers are metered and charged for electric service. Readers should be mindful of the differences between Table 9 and Section 2.3. For example, the Low-Income customer segment is a subset of PECO's residential tariff(s) and is not listed in Table 9.

Table 9. EE&C Plan Expenditures by Cost Recovery Category⁷

Cost Recovery Sector	Rate Classes Included	PYTD Spending (\$1,000)	P4TD Spending (\$1,000)
Residential	R + RH, CAP	\$15,455	\$38,714
Small Commercial	GS	\$10,319	\$23,736
Large Commercial	PD, HT + EP	\$9,146	\$27,062
Municipal	SLE, SLC, AL & TLCL	\$88	\$317
Portfolio Total		\$35,008	\$89,829

Source: Guidehouse analysis

⁵ Common Portfolio Cost include EDC administrative costs, marketing, and EM&V.

⁶ Statewide Evaluation costs are outside of the 2% spending cap.

⁷ Excludes SWE costs