

Preliminary Final Report to the Pennsylvania Public Utility Commission

**For the Period
March 1, 2016 through May 31, 2016
Program Year 7, Quarter 4**

For Pennsylvania Act 129 of 2008
Energy Efficiency and Conservation Plan

Prepared by Navigant Consulting Inc.

For

Duquesne Light

July 15, 2016

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Acronyms

C&I	Commercial and Industrial
CATI	Computer-Aided Telephone Interview
CFL	Compact Fluorescent Lamp
Phase II	Cumulative Program/Portfolio Phase II Inception to Date (Phase II Savings)
Phase II-CO	Cumulative Program/Portfolio Phase II Inception to Date including Carry Over Savings from Phase I
Phase II-Q	Phase II verified gross savings from the beginning of Phase II + PYTD reported gross savings.
Phase II-Q-CO	Phase II verified gross savings from the beginning of Phase II + verified Carry Over Savings from Phase I + PYTD reported gross savings
CSP	Conservation Service Provider or Curtailment Service Provider
CVR	Conservation Voltage Reduction
CVRf	Conservation Voltage Reduction factor
DLC	Direct Load Control
DR	Demand Response
EDC	Electric Distribution Company
EE&C	Energy Efficiency and Conservation
EM&V	Evaluation, Measurement, and Verification
GNI	Government, Non-Profit, Institutional
HVAC	Heating, Ventilating, and Air Conditioning
IQ	Incremental Quarter
kW	Kilowatt
kWh	Kilowatt-hour
LED	Light Emitting Diode
LEEP	Low-Income Energy Efficiency Program
LIURP	Low-Income Usage Reduction Program
M&V	Measurement and Verification
MW	Megawatt
MWh	Megawatt-hour
NTG	Net-to-Gross
PA PUC	Pennsylvania Public Utility Commission
PY5	Program Year 2013, from June 1, 2013 to May 31, 2014
PY6	Program Year 2014, from June 1, 2014 to May 31, 2015
PY7	Program Year 2015, from June 1, 2015 to May 31, 2016
PYX	Program Year 201X
PY7 Q4	Program Year 7, Quarter 4
PYTD	Program Year to Date

SEER	Seasonal Energy Efficiency Rating
SWE	Statewide Evaluator
TRC	Total Resource Cost
TRM	Technical Reference Manual

1 Overview of Portfolio

Pennsylvania Act 129 of 2008 signed on October 15, 2008, mandated energy savings and demand reduction goals for the largest electric distribution companies (EDCs) in Pennsylvania for Phase I (2008 through 2013). In 2009, each EDC submitted energy efficiency and conservation (EE&C) plans—which were approved by the Pennsylvania Public Utility Commission (PUC)—pursuant to these goals. Duquesne Light filed new EE&C plans with the PA PUC in November 2012 for Phase II (June 2013 through May 2016) of the Act 129 programs. These plans were subsequently approved by the PUC in 2013.

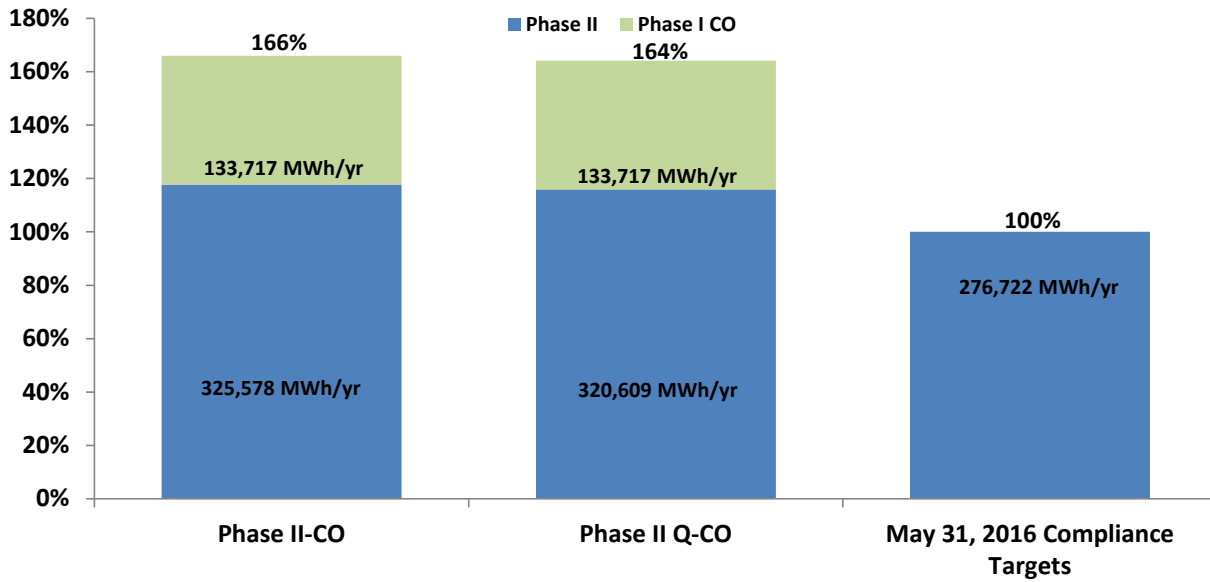
Implementation of Phase II of the Act 129 programs began on June 1, 2013. This report documents the progress and effectiveness of the Phase II EE&C accomplishments for Duquesne Light in the 4th quarter of Program Year 7 (PY7), defined as March 1, 2016, through May 31, 2016, as well as the cumulative accomplishments of the programs since inception of Phase II. This report additionally documents the 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 included measurement and verification of the savings. The verified savings for PY7 will be reported in the annual report, to be filed November 15, 2016.

1.1 Summary of Achievements

Duquesne Light has achieved 166 percent of the May 31, 2016 energy savings compliance target, based on cumulative program inception to date (Phase II) reported gross energy savings¹, and 164 percent of the energy savings compliance target, based on Phase II-Q-CO² gross energy savings achieved through Quarter 4, as shown in Figure 1-1.

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

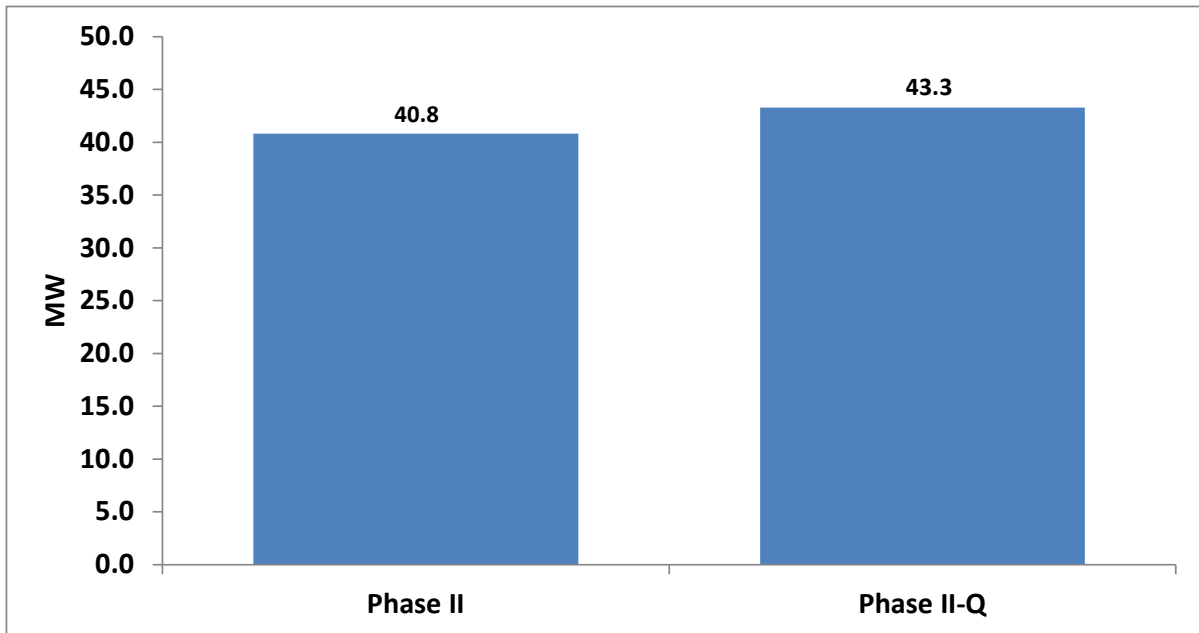


¹ Phase II Reported Gross Savings = Phase II Reported Gross Savings from the beginning of Phase II through the end of the current quarter. All savings reported as Phase II reported gross savings are computed this way.

² Phase II-Q-CO Gross Savings = Phase II verified gross savings from the beginning of Phase II including verified Carry Over Savings from Phase I + PY5 verified gross savings, PY6 verified gross savings and PYTD reported gross savings.

Duquesne Light has achieved 43.3 MW of demand reduction since the start of Phase II.

Figure 1-2: Phase II Portfolio Demand Reduction



There are 14 measures available to the low-income sector at no cost to the customer. These measures offered to the low-income sector therefore comprise 15 percent of the total measures offered. As required for Phase II this exceeds the fraction of the electric consumption of the utility’s low-income households divided by the total electricity consumption in the Duquesne Light territory (8.4 percent).³ The Phase II reported gross energy savings achieved in the low-income sector is 17,301 MWh/yr; this is 6.3 percent of Duquesne Light’s Phase II total portfolio gross energy savings goal. This exceeds the percentage required (4.5%) of the Phase II goal.

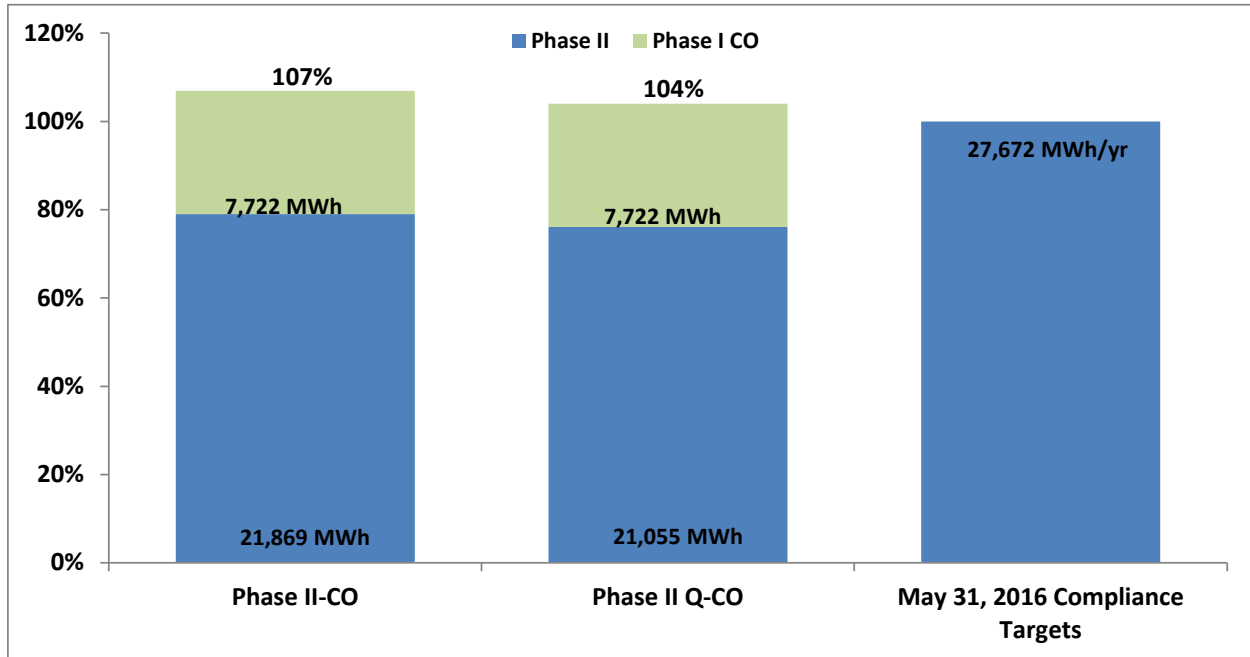
Duquesne Light achieved 107 percent of the May 31, 2016, energy reduction compliance target for government, nonprofit and institutional sector, based on Phase II reported gross energy savings⁴, and 104

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). Per SWE’s “Low-income Measures Memo Clarification 10102012”, dated October 10, 2012, consumption of low-income households as a percentage of all consumption for Duquesne Light customers is 8.402%.

⁴ Phase II Reported Gross Savings = Phase II Reported Gross Savings from the beginning of Phase II through the end of the current quarter. All savings reported as Phase II reported gross savings are computed this way.

percent of the target based on Phase II-Q-CO⁵ gross energy savings achieved through Quarter 4, as shown in Figure 1-3.

Figure 1-3: Government, Nonprofit, and Institutional Sectors⁶



1.2 Program Updates and Findings

The energy efficiency programs which participants took part in during PY7Q4 have not changed from those offered in PY7Q3.

1.3 Evaluation Updates and Findings

During this quarter, evaluation activity primarily involved completing analyses needed for the PY7Q3 quarterly report submitted in April. Process evaluation surveys for the residential and commercial and industrial programs have begun fielding using Q1 and Q2 survey samples. A detailed review of the Duquesne Light tracking system was initiated in order to prepare for Phase III evaluation activities.

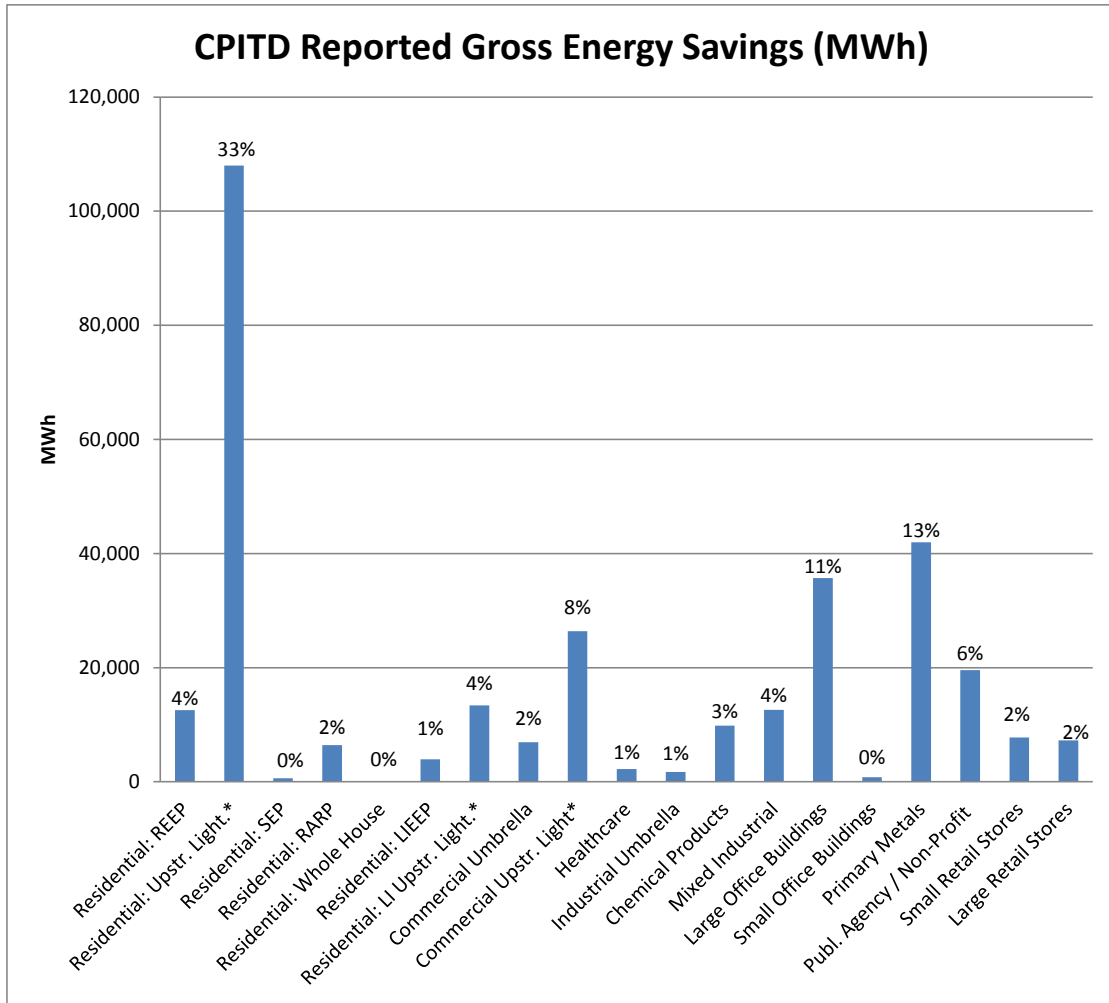
⁵ Phase II-Q-CO Gross Savings = Phase II verified gross savings from the beginning of Phase II including verified Carry Over Savings from Phase I + PY5 verified gross savings, PY6 verified gross savings and PYTD reported gross savings.

⁶ GNI savings include savings from Public Agency/Non-profit and Multifamily Housing Retrofit projects.

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: Phase II Reported Gross Energy Savings by Program*



* The allocation of Upstream Lighting CFL savings into Residential and Low-income Upstream Lighting was updated based on evaluation research Navigant conducted in Program Year 6. The research determined that 0% of CFL bulbs were sold to commercial customers and 4.9% of CFLs and 2.3% of LEDs were sold to low income customers.

A summary of energy impacts by program through PY7Q4 is presented in Table 2-1.

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

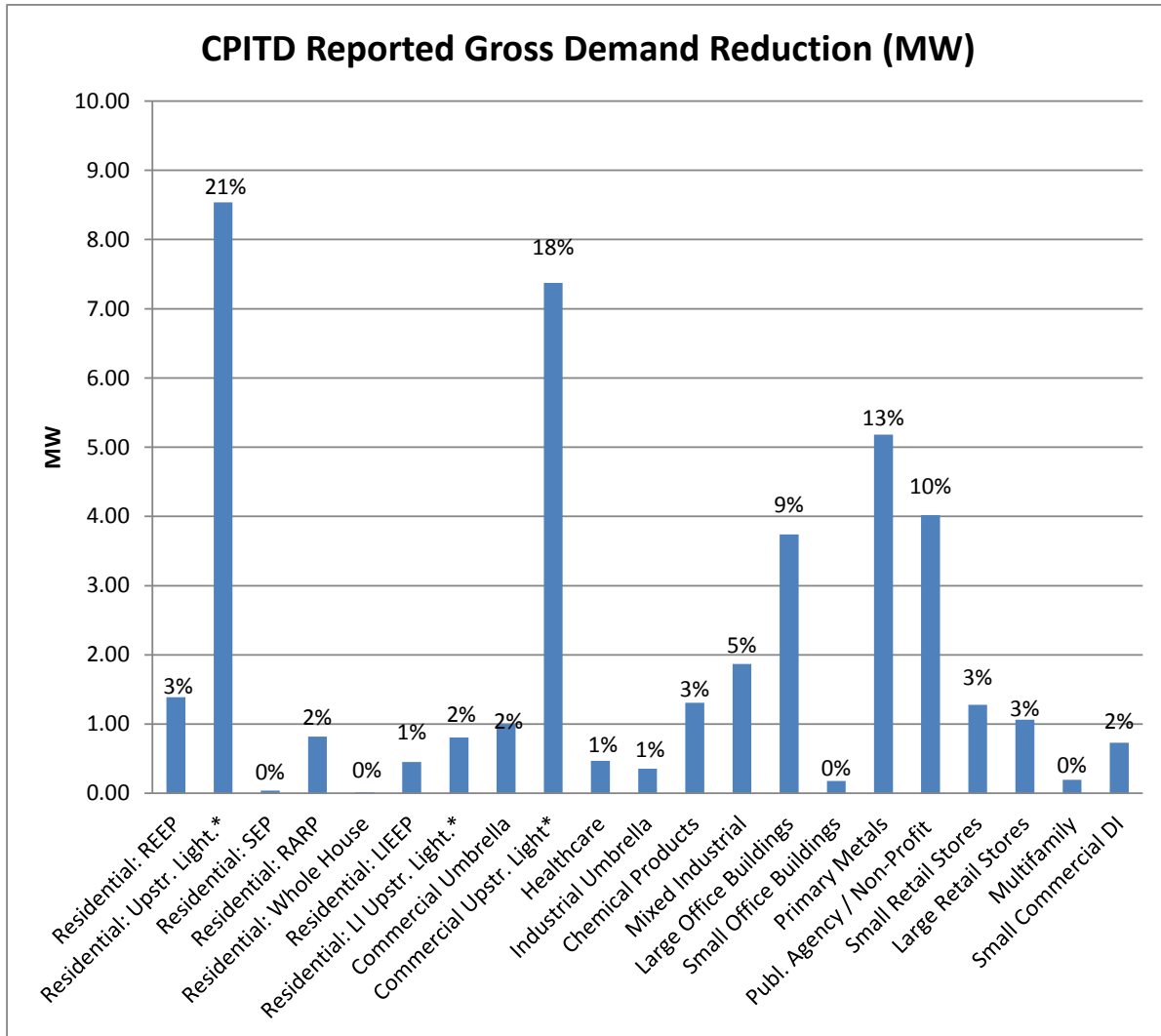
Program	Participants			Reported Gross Impact (MWh)*			
	IQ	PYTD	Phase II	IQ	PYTD	Phase II	Phase II-Q
Residential: EE Program (REEP): Rebate Program	1,143	8,311	40,851	287	1,559	12,542	8,624
Residential: EE Program (Upstream Lighting)	N/A	N/A	N/A	7,695	32,882	107,982	108,849
Residential: School Energy Pledge	0	125	1,698	0	36	618	447
Residential: Appliance Recycling	0	2,016	6,976	0	2,060	6,439	6,513
Residential: Whole House	6	82	204	2	51	136	133
Residential: Low Income EE	318	1,849	9,441	86	819	3,930	3,438
Residential: Low Income EE (Upstream Lighting)	N/A	N/A	N/A	185	1,087	13,371	13,560
Commercial Sector Umbrella EE	2	23	59	1,327	5,619	6,946	6,924
Commercial Sector Umbrella EE (Upstream Lighting)	N/A	N/A	N/A	0	0	26,400	27,079
Healthcare EE	0	0	10	0	0	2,218	2,273
Industrial Sector Umbrella EE	0	3	6	0	75	1,716	1,752
Chemical Products EE	0	3	17	0	9,245	9,852	9,863
Mixed Industrial EE	3	20	72	182	3,530	12,623	12,740
Office Building – Large – EE	2	7	116	160	6,088	35,682	34,477
Office Building – Small EE	0	0	35	0	0	827	838
Primary Metals EE	2	5	30	13,938	16,362	41,988	42,486
Public Agency / Non-Profit	7	41	145	417	5,946	19,556	18,819
Retail Stores – Small EE	0	1	350	0	49	7,761	7,467
Retail Stores – Large EE	0	0	70	0	0	7,247	6,896
Multifamily Housing Retrofit	0	16	55	0	141	2,313	2,236
Small Commercial Direct Install	0	0	88	0	0	5,429	5,195
TOTAL PORTFOLIO	1,483	12,502	60,223	24,279	85,548	325,578	320,609

* The allocation of Upstream Lighting CFL savings into Residential and Low-income Upstream Lighting was updated based on evaluation research Navigant conducted in Program Year 6. The research determined that 0% of CFL bulbs were sold to commercial customers and 4.9% of CFLs and 2.3% of LEDs were sold to low income customers.

3 Summary of Demand Impacts by Program

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

Figure 3-1: Phase II Demand Reduction by Program*



* The allocation of Upstream Lighting CFL savings into Residential and Low-income Upstream Lighting was updated based on evaluation research Navigant conducted in Program Year 6. The research determined that 0% of CFL bulbs were sold to commercial customers and 4.9% of CFLs and 2.3% of LEDs were sold to low income customers.

A summary of total demand reduction impacts by program through PY7Q4 is presented in Table 3-1.

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

Program	Participants			Reported Gross Impact (MW)*			
	IQ	PYTD	Phase II	IQ	PYTD	Phase II	Phase II-Q
Residential: EE Program (REEP): Rebate Program	1,143	8,311	40,851	0.078	0.370	1.390	1.073
Residential: EE Program (Upstream Lighting)*	N/A	N/A	N/A	0.770	3.290	8.536	8.824
Residential: School Energy Pledge	0	125	1,698	0.000	0.003	0.038	0.029
Residential: Appliance Recycling	0	2,016	6,976	0.000	0.248	0.818	0.822
Residential: Whole House	6	82	204	0.000	0.005	0.014	0.013
Residential: Low Income EE	318	1,849	9,441	0.009	0.091	0.455	0.425
Residential: Low Income EE (Upstream Lighting)*	N/A	N/A	N/A	0.018	0.109	0.807	0.832
Commercial Sector Umbrella EE	2	23	59	0.151	0.735	1.001	1.080
Commercial Sector Umbrella EE (Upstream Lighting)*	N/A	N/A	N/A	0.000	0.000	7.373	7.591
Healthcare EE	0	0	10	0.000	0.000	0.469	0.486
Industrial Sector Umbrella EE	0	3	6	0.000	0.019	0.357	0.345
Chemical Products EE	0	3	17	0.000	1.213	1.309	1.307
Mixed Industrial EE	3	20	72	0.019	0.379	1.870	1.858
Office Building – Large – EE	2	7	116	0.022	0.210	3.742	4.910
Office Building – Small EE	0	0	35	0.000	0.000	0.181	0.203
Primary Metals EE	2	5	30	1.754	2.051	5.182	5.093
Public Agency / Non-Profit	7	41	145	0.063	1.358	4.019	4.250
Retail Stores – Small EE	0	1	350	0.000	0.007	1.279	1.708
Retail Stores – Large EE	0	0	70	0.000	0.000	1.063	1.546
Multifamily Housing Retrofit	0	16	55	0.000	0.000	0.196	0.160
Small Commercial Direct Install	0	0	88	0.000	0.000	0.731	0.717
TOTAL PORTFOLIO	1,483	12,502	60,223	2.884	10.087	40.829	43.272

* The allocation of Upstream Lighting CFL savings into Residential and Low-income Upstream Lighting was updated based on evaluation research Navigant conducted in Program Year 6. The research determined that 0% of CFL bulbs were sold to commercial customers and 4.9% of CFLs and 2.3% of LEDs were sold to low income customers.

4 Summary of Finances

4.1 Portfolio Level Expenditures

Table 4-1: Summary of Portfolio Finances – May 31, 2016

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$1,648	\$6,256	\$19,116
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	1,648	6,256	19,116
Design & Development	0	0	239
Administration, Management and Technical Assistance ^[1]	1,356	8,568	28,147
Marketing	0	7	979
Subtotal EDC Implementation Costs	1,356	8,575	29,365
EDC Evaluation Costs	85	980	2,368
SWE Audit Costs	0	225	1,900
Total EDC Costs^[2]	3,089	16,036	52,749
Participant Costs^[3]			
Total TRC Costs^[4]			
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</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, the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-2: Summary of Program Finances – Residential Energy Efficiency – May 31, 2016*

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$639	\$2,738	\$6,543
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	639	2,738	6,543
Design & Development			
Design & Development	0	0	52
Administration, Management and Technical Assistance ^[1]	242	2,006	7,943
Marketing	0	2	967
Subtotal EDC Implementation Costs	242	2,008	8,962
EDC Evaluation Costs			
EDC Evaluation Costs	17	199	490
SWE Audit Costs	0	46	399
Total EDC Costs^[2]	898	4,991	16,394
Participant Costs^[3]			
Total TRC Costs^[4]			
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</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, the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

* All Upstream Lighting program costs for PY7 are currently shown in the Summary of Program Finances table for REEP. The final report for PY7 will disaggregate these costs to REEP and LIEEP, as appropriate.

Table 4-3: Summary of Program Finances – Schools Energy Pledge – May 31, 2016

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$0	\$0	\$0
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	0	0	0
Design & Development			
Design & Development	0	0	6
Administration, Management and Technical Assistance ^[1]	20	107	433
Marketing	0	0	0
Subtotal EDC Implementation Costs	20	107	439
EDC Evaluation Costs			
EDC Evaluation Costs	2	25	62
SWE Audit Costs	0	6	48
Total EDC Costs^[2]	22	138	549
Participant Costs^[3]			
Total TRC Costs^[4]			
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</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, the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-4: Summary of Program Finances – Appliance Recycling Program – May 31, 2016

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$0	\$45	\$230
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	0	45	230
Design & Development			
Design & Development	0	0	6
Administration, Management and Technical Assistance ^[1]	-12	267	1,119
Marketing	0	0	0
Subtotal EDC Implementation Costs	-12	267	1,125
EDC Evaluation Costs			
EDC Evaluation Costs	2	24	58
SWE Audit Costs	0	6	47
Total EDC Costs^[2]	-10	342	1,460
Participant Costs^[3]			
Total TRC Costs^[4]			
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</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, the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-5: Summary of Program Finances – Residential Home Energy Reporting – May 31, 2016

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$0	\$0	\$0
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	0	0	0
Design & Development			
Design & Development	0	0	0
Administration, Management and Technical Assistance ^[1]	5	368	1,995
Marketing	0	0	0
Subtotal EDC Implementation Costs	5	368	1,995
EDC Evaluation Costs			
EDC Evaluation Costs	0	0	0
SWE Audit Costs			
SWE Audit Costs	0	0	0
Total EDC Costs^[2]	5	368	1,995
Participant Costs^[3]			
Participant Costs			
Total TRC Costs^[4]			
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</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, the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-6: Summary of Program Finances – Residential Whole House Audit Retrofit – May 31, 2016

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$0	\$0	\$0
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	0	0	0
Design & Development			
Design & Development	0	0	0
Administration, Management and Technical Assistance ^[1]	37	350	700
Marketing	0	0	0
Subtotal EDC Implementation Costs	37	350	700
EDC Evaluation Costs			
EDC Evaluation Costs	1	12	22
SWE Audit Costs	0	3	10
Total EDC Costs^[2]	38	365	732
Participant Costs^[3]			
Total TRC Costs^[4]			
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</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, the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-7: Summary of Program Finances – Low Income Energy Efficiency – May 31, 2016*

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$1	\$17	\$489
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	1	17	489
Design & Development	0	0	15
Administration, Management and Technical Assistance ^[1]	61	254	1,212
Marketing	0	5	5
Subtotal EDC Implementation Costs	61	259	1,232
EDC Evaluation Costs	5	61	148
SWE Audit Costs	0	14	119
Total EDC Costs^[2]	67	351	1,988
Participant Costs^[3]			
Total TRC Costs^[4]			
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</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, the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

* All Upstream Lighting program costs for PY7 are currently shown in the Summary of Program Finances table for REEP. The final report for PY7 will disaggregate these costs to REEP and LIEEP, as appropriate.

Table 4-8: Summary of Program Finances – Commercial Umbrella – May 31, 2016

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$110	\$458	\$1,214
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	110	458	1,214
Design & Development			
Design & Development	0	0	10
Administration, Management and Technical Assistance^[1]			
Administration, Management and Technical Assistance ^[1]	206	640	1,475
Marketing			
Marketing	0	0	7
Subtotal EDC Implementation Costs	206	640	1,492
EDC Evaluation Costs			
EDC Evaluation Costs	3	31	81
SWE Audit Costs			
SWE Audit Costs	0	7	68
Total EDC Costs^[2]	319	1,136	2,855
Participant Costs^[3]			
Participant Costs ^[3]			
Total TRC Costs^[4]			
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</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, the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-9: Summary of Program Finances – Healthcare – May 31, 2016

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$0	\$11	\$1,165
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	0	11	1,165
Design & Development			
Design & Development	0	0	13
Administration, Management and Technical Assistance ^[1]	9	72	182
Marketing	0	0	0
Subtotal EDC Implementation Costs	9	72	195
EDC Evaluation Costs			
EDC Evaluation Costs	5	54	132
SWE Audit Costs	0	13	107
Total EDC Costs^[2]	14	150	1,599
Participant Costs^[3]			
Total TRC Costs^[4]			
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</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, the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-10: Summary of Program Finances – Industrial Umbrella – May 31, 2016

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$0	\$11	\$156
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	0	11	156
Design & Development			
Design & Development	0	0	4
Administration, Management and Technical Assistance ^[1]	9	45	138
Marketing	0	0	0
Subtotal EDC Implementation Costs	9	45	142
EDC Evaluation Costs			
EDC Evaluation Costs	1	15	37
SWE Audit Costs	0	4	31
Total EDC Costs^[2]	10	75	366
Participant Costs^[3]			
Total TRC Costs^[4]			
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</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, the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-11: Summary of Program Finances – Chemicals – May 31, 2016

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$0	\$499	\$540
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	0	499	540
Design & Development			
Design & Development	0	0	9
Administration, Management and Technical Assistance^[1]			
Administration, Management and Technical Assistance ^[1]	8	871	1,251
Marketing			
Marketing	0	0	0
Subtotal EDC Implementation Costs	8	871	1,260
EDC Evaluation Costs			
EDC Evaluation Costs	3	36	87
SWE Audit Costs			
SWE Audit Costs	0	9	72
Total EDC Costs^[2]	11	1,415	1,959
Participant Costs^[3]			
Participant Costs ^[3]			
Total TRC Costs^[4]			
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</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, the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-12: Summary of Program Finances – Mixed Industrial – May 31, 2016

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$16	\$266	\$652
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	16	266	652
Design & Development			
Design & Development	0	0	8
Administration, Management and Technical Assistance ^[1]	7	318	1,056
Marketing	0	0	0
Subtotal EDC Implementation Costs	7	318	1,064
EDC Evaluation Costs			
EDC Evaluation Costs	3	33	79
SWE Audit Costs	0	7	64
Total EDC Costs^[2]	26	624	1,859
Participant Costs^[3]			
Total TRC Costs^[4]			
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</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, the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-13: Summary of Program Finances – Office Buildings – May 31, 2016

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$12	\$375	\$2,275
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	12	375	2,275
Design & Development			
Design & Development	0	0	36
Administration, Management and Technical Assistance ^[1]	18	525	1,767
Marketing	0	0	0
Subtotal EDC Implementation Costs	18	525	1,803
EDC Evaluation Costs			
EDC Evaluation Costs	9	99	276
SWE Audit Costs	0	23	243
Total EDC Costs^[2]	39	1,022	4,597
Participant Costs^[3]			
Total TRC Costs^[4]			
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</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, the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-14: Summary of Program Finances – Primary Metals – May 31, 2016

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$837	\$1,060	\$1,926
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	837	1,060	1,926
EDC Implementation Costs			
Design & Development	0	0	24
Administration, Management and Technical Assistance ^[1]	583	808	2,929
Marketing	0	0	0
Subtotal EDC Implementation Costs	583	808	2,953
EDC Evaluation Costs			
EDC Evaluation Costs	8	99	238
SWE Audit Costs	0	23	193
Total EDC Costs^[2]	1,428	1,990	5,310
Participant Costs^[3]			
Total TRC Costs^[4]			
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</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, the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-15: Summary of Program Finances – Government (Non-Profit & Education) – May 31, 2016

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$34	\$603	\$2,891
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	34	603	2,891
Design & Development			
Design & Development	0	0	42
Administration, Management and Technical Assistance^[1]			
Administration, Management and Technical Assistance ^[1]	25	215	1,293
Marketing			
Marketing	0	0	0
Subtotal EDC Implementation Costs	25	215	1,335
EDC Evaluation Costs			
EDC Evaluation Costs	12	143	367
SWE Audit Costs			
SWE Audit Costs	0	33	307
Total EDC Costs^[2]	71	994	4,900
Participant Costs^[3]			
Participant Costs ^[3]			
Total TRC Costs^[4]			
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</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, the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-16: Summary of Program Finances – Retail Stores – May 31, 2016

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$0	\$172	\$1,038
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	0	172	1,038
Design & Development			
Design & Development	0	0	14
Administration, Management and Technical Assistance ^[1]	14	123	763
Marketing	0	0	0
Subtotal EDC Implementation Costs	14	123	777
EDC Evaluation Costs			
EDC Evaluation Costs	5	58	141
SWE Audit Costs	0	14	115
Total EDC Costs^[2]	19	367	2,071
Participant Costs^[3]			
Total TRC Costs^[4]			
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</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, the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-17: Summary of Program Finances – Small Commercial Direct Install – May 31, 2016

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$0	\$0	\$0
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	0	0	0
Design & Development			
Design & Development	0	0	0
Administration, Management and Technical Assistance ^[1]	6	689	2,367
Marketing	0	0	0
Subtotal EDC Implementation Costs	6	689	2,367
EDC Evaluation Costs			
EDC Evaluation Costs	5	57	94
SWE Audit Costs	0	13	52
Total EDC Costs^[2]	11	759	2,513
Participant Costs^[3]			
Total TRC Costs^[4]			
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</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, the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			

Table 4-18: Summary of Program Finances – Multi-Family Housing Retrofit – May 31, 2016

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$0	\$0	\$0
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	0	0	0
Design & Development	0	0	0
Administration, Management and Technical Assistance ^[1]	118	909	1,525
Marketing	0	0	0
Subtotal EDC Implementation Costs	118	909	1,525
EDC Evaluation Costs	3	30	49
SWE Audit Costs	0	7	28
Total EDC Costs^[2]	121	946	1,602
Participant Costs^[3]			
Total TRC Costs^[4]			
NOTES			
<i>Per PUC direction, TRC inputs and calculations are required in the Annual Report only and should comply with the 2013 Total Resource Cost Test Order approved August 30, 2012.</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, the costs of the end-use customer.			
⁴ Total TRC Costs = Total EDC Costs + Participant Costs			