

**Preliminary Annual Report to the  
Pennsylvania Public Utility Commission  
Including 4<sup>th</sup> Quarter of Program Year 5**

**For the Period  
June 1, 2013 through May 31, 2014  
Program Year 5, Quarter 4**

For Pennsylvania Act 129 of 2008  
Energy Efficiency and Conservation Plan

Prepared by Navigant Consulting Inc.

For

Duquesne Light

July 15, 2014

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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
PY5 Q4	Program Year 5, 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 a 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.

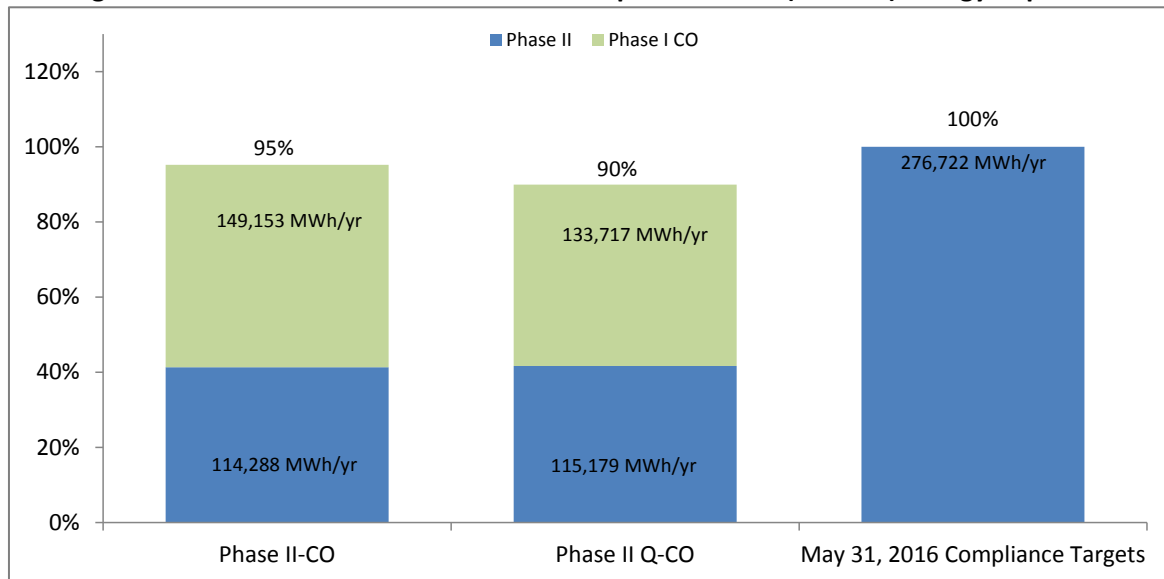
Implementation of Phase II of the Act 129 programs began on June 1, 2013. This report documents the progress and effectiveness of the Phase II EE&C accomplishments for Duquesne Light in the 4<sup>th</sup> quarter of Program Year 5 (PY5), defined as March 1, 2014, through May 31, 2014, as well as the cumulative accomplishments of the programs since inception of Phase II. This report 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 PY5 will be reported in the annual report, to be filed November 15, 2014.

## 1.1 Summary of Achievements

Duquesne Light has achieved 95 percent of the May 31, 2016 energy savings compliance target, based on cumulative program inception to date (Phase II) reported gross energy savings<sup>1</sup>, and 90 percent of the energy savings compliance target, based on Phase II-Q-CO<sup>2</sup> (or Phase II-CO until verified savings are available for PY5) gross energy savings achieved through Quarter 4, as shown in Figure 1-1. (Phase II-Q)<sup>3</sup> is also shown in Figure 1-1.

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



\*To date, Phase II savings shown in Phase II Q-CO have been verified only for Upstream Lighting.

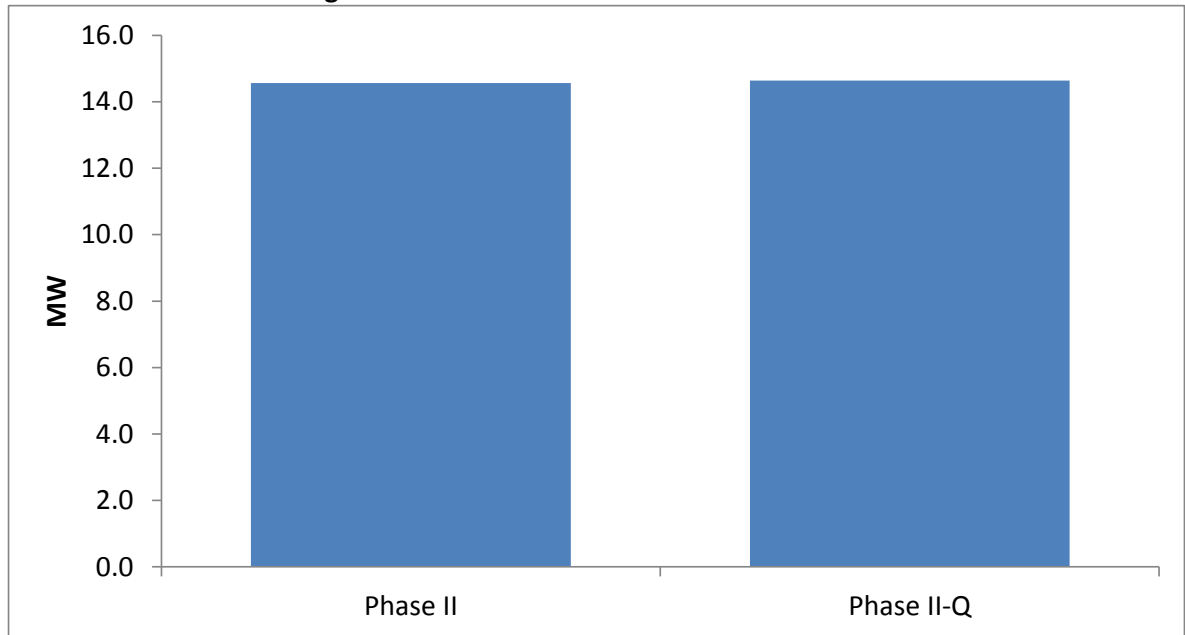
Duquesne Light has achieved 14.6 MW of demand reduction since the start of Phase II.

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

<sup>2</sup> Phase II-Q-CO Gross Savings = Phase II verified gross savings from the beginning of Phase II including verified Carry Over Savings from Phase I + PYTD reported gross savings.

<sup>3</sup> Phase II-Q Gross Savings = CPITD Verified Gross Savings from the beginning of Phase II + PYTD Reported Gross Savings. This excludes Phase I carry over savings. All savings reported as Phase II-Q gross savings are computed this way. Phase II Verified Gross Savings will be reported in the annual report. For the first program year of Phase II (Program Year 5), Phase II-Q Savings and CPP2ITD Savings will be the same as no savings will be verified for Phase II until November, after the end of Program Year 5.

**Figure 1-2: Phase II Portfolio Demand Reduction**



There are 7 measures available to the low-income sector at no cost to the customer. These measures offered to the low-income sector therefore comprise 14 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).<sup>4</sup> The Phase II reported gross energy savings achieved in the low-income sector is 13,063 MWh/yr<sup>5</sup>; this is 11.4 percent of the Phase II total portfolio reported gross energy savings. This exceeds the percentage required (4.5%) of the Phase II goal.

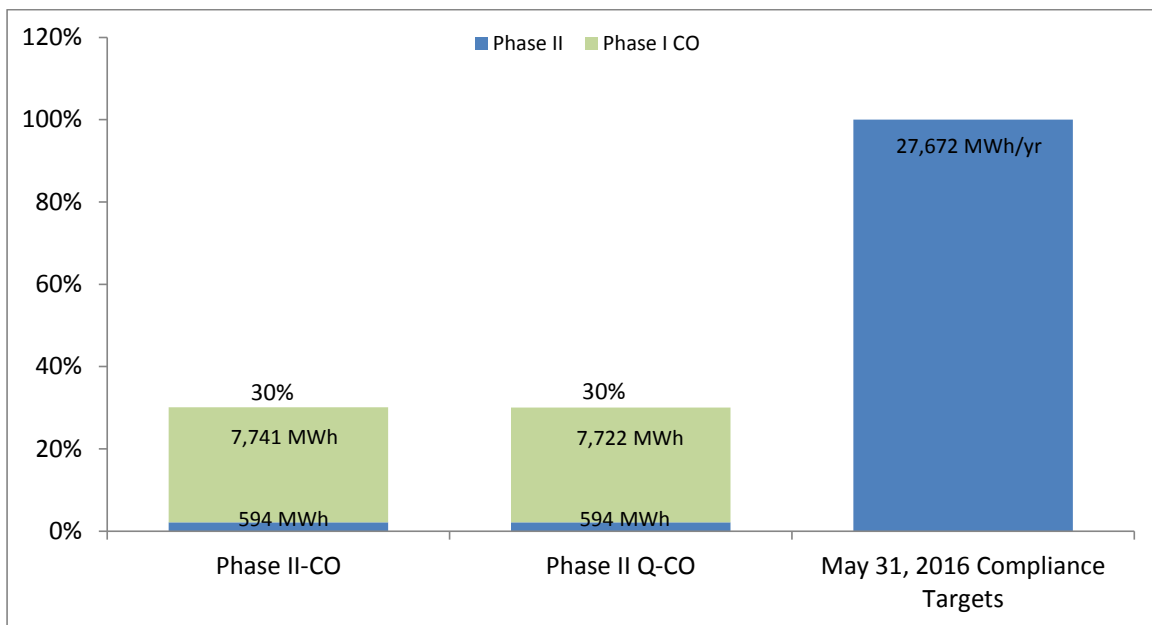
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<sup>4</sup> Act 129 includes a provision requiring electric distribution companies to offer a number of energy efficiency measures to low-income households that are “proportionate to those households’ share of the total energy usage in the service territory.” 66 Pa.C.S. §2806.1(b)(i)(G). 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%.

<sup>5</sup> The allocation of Upstream Lighting savings into the Residential Energy Efficiency Program (REEP), Low-Income Energy Efficiency Program (LIEEP), and Commercial Umbrella Program is based on evaluation research Navigant conducted early in Program Year 5, which determined that 12.6% of CFL bulbs were sold to commercial customers, 17.8% to low income customers and 69.6% to non-low-income residential customers. Final allocations with respect to financial data, including incentives and administrative costs, will be made in the final report which will be submitted November 15, 2014.

Duquesne Light achieved 30 percent of the May 31, 2016, energy reduction compliance target for government, nonprofit and institutional sector, based on Phase II reported gross energy savings, and 30 percent of the target based on Phase II-Q-CO (or Phase II-CO until verified savings are available for PY5) gross energy savings achieved through Quarter 3, as shown in Figure 1-3.

**Figure 1-3: Government, Nonprofit, and Institutional Sectors**



## 1.2 Program Updates and Findings

The energy efficiency programs which participants took part in during PY5Q4 have not changed substantially from those offered in PY4Q4 (Phase I). However, new programs are expected to be implemented at the beginning of PY6 and ramp up for these new programs has begun.

## 1.3 Evaluation Updates and Findings

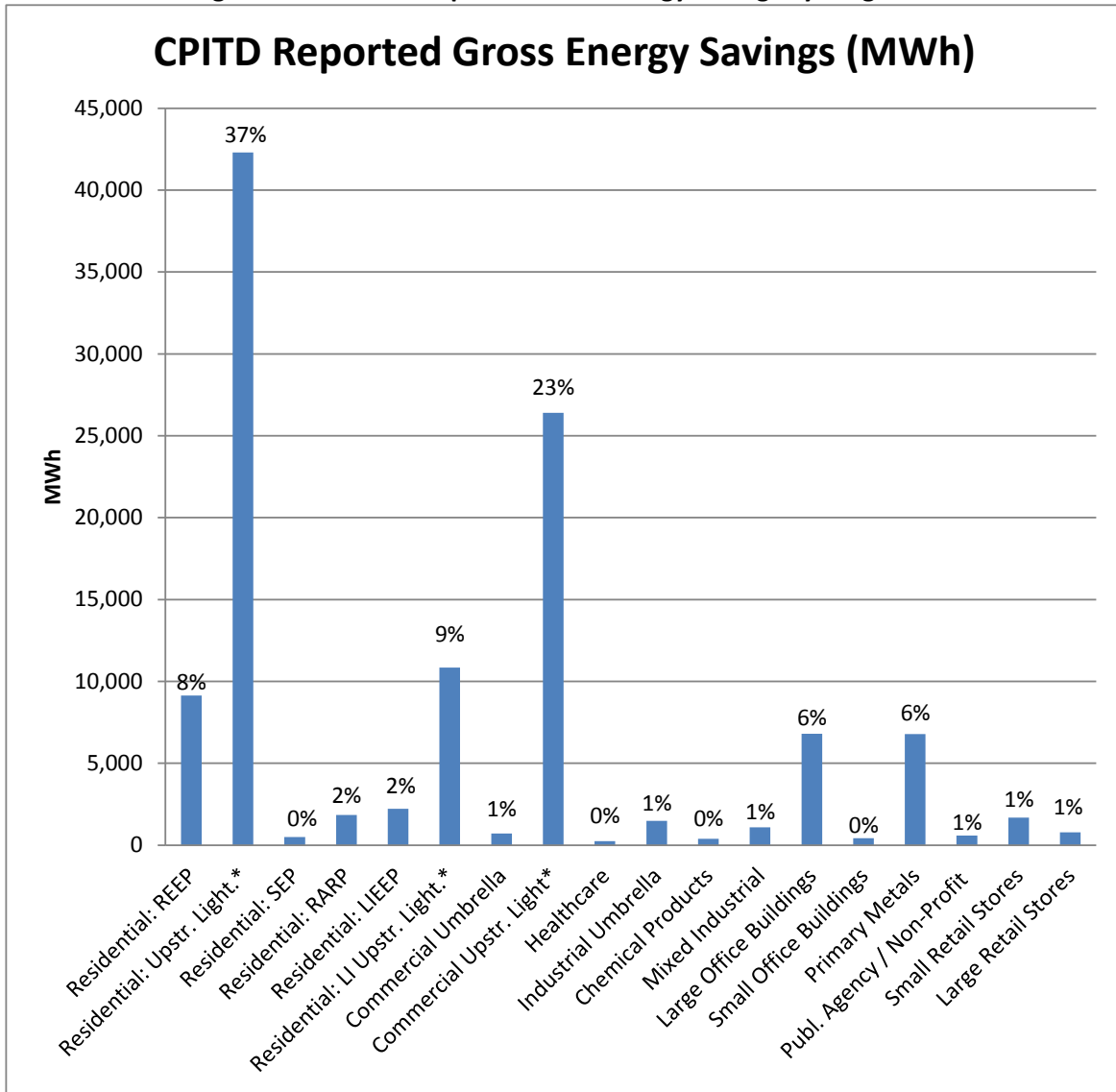
During this quarter, a number of evaluation activities occurred to support the PY5 evaluation process. On-site verifications were completed for a sample of Q1 and Q2 participants in non-residential programs, and planning was initiated for Q3 verification visits. The first wave of REEP and RARP participant surveys (covering Q1 and Q2 participants) was fielded to support both process and impact evaluation activities. Interview guides were created and approved by the SWE for Energy Star retailers and Market Outreach partners to support process evaluation activities and these interviews are underway. Finally, a general population survey, designed to determine participant and non-participant awareness of Duquesne Light programs, their likelihood to participate in the future, barriers to participating and other process related issues was created and approved by the SWE.



## 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, Low-income, and Commercial Upstream Lighting is based on evaluation research Navigant conducted early in Program Year 5, which determined that 12.6% of CFL bulbs were sold to commercial customers, 17.8% to low income customers and 69.6% to non-low-income residential customers.

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

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

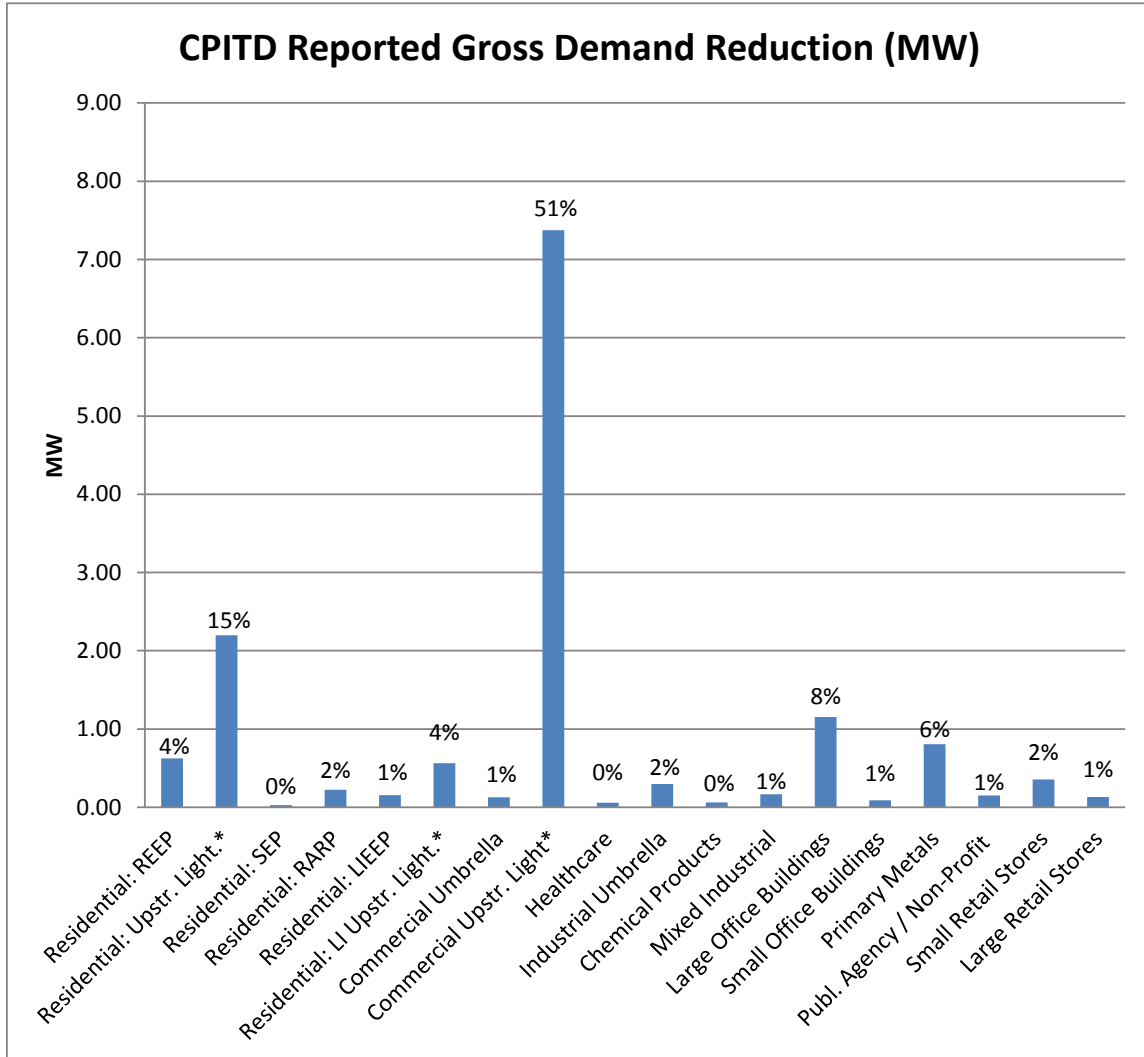
Program	Participants			Reported Gross Impact (MWh)			
	IQ	PYTD	Phase II	IQ	PYTD	Phase II	Phase II-Q
Residential: EE Program (REEP): Rebate Program	6,244	25,619	25,619	2,326	9,140	9,140	9,140
Residential: EE Program (Upstream Lighting)*	N/A	N/A	N/A	11,260	42,307	42,307	43,016
Residential: School Energy Pledge	322	1,284	1,284	125	499	499	499
Residential: Appliance Recycling	69	2,172	2,172	57	1,849	1,849	1,849
Residential: Low Income EE	1,076	5,622	5,622	406	2,220	2,220	2,220
Residential: Low Income EE (Upstream Lighting)*	N/A	N/A	N/A	2,886	10,842	10,842	11,024
Commercial Sector Umbrella EE	5	20	20	462	714	714	714
Commercial Sector Umbrella EE (Upstream Lighting)*	N/A	N/A	N/A	6,781	26,400	26,400	26,400
Healthcare EE	2	7	7	79	243	243	243
Industrial Sector Umbrella EE	0	2	2	0	1,484	1,484	1,484
Chemical Products EE	5	9	9	258	398	398	398
Mixed Industrial EE	8	11	11	876	1,091	1,091	1,091
Office Building – Large – EE	7	41	41	2,447	6,812	6,812	6,812
Office Building – Small EE	4	18	18	79	430	430	430
Primary Metals EE	1	6	6	69	6,788	6,788	6,788
Public Agency / Non-Profit	8	35	35	234	594	594	594
Retail Stores – Small EE	43	108	108	507	1,691	1,691	1,691
Retail Stores – Large EE	1	8	8	41	787	787	787
<b>TOTAL PORTFOLIO</b>	<b>7,795</b>	<b>34,962</b>	<b>34,962</b>	<b>28,891</b>	<b>114,288</b>	<b>114,288</b>	<b>115,179</b>

\* The allocation of Upstream Lighting CFL savings into Residential, Low-income, and Commercial Upstream Lighting is based on evaluation research Navigant conducted early in Program Year 5, which determined that 12.6% of CFL bulbs were sold to commercial customers, 17.8% to low income customers and 69.6% to non-low-income residential 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, Low-income, and Commercial Upstream Lighting is based on evaluation research Navigant conducted early in Program Year 5, which determined that 12.6% of CFL bulbs were sold to commercial customers, 17.8% to low income customers and 69.6% to non-low-income residential customers.

A summary of total demand reduction impacts by program through PY5Q4 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	6,244	25,619	25,619	0.156	0.625	0.625	0.625
Residential: EE Program (Upstream Lighting)*	N/A	N/A	N/A	0.592	2.200	2.200	2.260
Residential: School Energy Pledge	322	1,284	1,284	0.007	0.028	0.028	0.028
Residential: Appliance Recycling	69	2,172	2,172	0.007	0.224	0.224	0.224
Residential: Low Income EE	1,076	5,622	5,622	0.024	0.156	0.156	0.156
Residential: Low Income EE (Upstream Lighting)*	N/A	N/A	N/A	0.152	0.564	0.564	0.579
Commercial Sector Umbrella EE	5	20	20	0.075	0.126	0.126	0.126
Commercial Sector Umbrella EE (Upstream Lighting)*	N/A	N/A	N/A	1.894	7.373	7.373	7.373
Healthcare EE	2	7	7	0.022	0.059	0.059	0.059
Industrial Sector Umbrella EE	0	2	2	0.000	0.298	0.298	0.298
Chemical Products EE	5	9	9	0.053	0.063	0.063	0.063
Mixed Industrial EE	8	11	11	0.131	0.165	0.165	0.165
Office Building – Large – EE	7	41	41	0.380	1.152	1.152	1.152
Office Building – Small EE	4	18	18	0.023	0.088	0.088	0.088
Primary Metals EE	1	6	6	0.008	0.806	0.806	0.806
Public Agency / Non-Profit	8	35	35	0.061	0.151	0.151	0.151
Retail Stores – Small EE	43	108	108	0.098	0.354	0.354	0.354
Retail Stores – Large EE	1	8	8	0.011	0.131	0.131	0.131
<b>TOTAL PORTFOLIO</b>	<b>7,795</b>	<b>34,962</b>	<b>34,962</b>	<b>3.694</b>	<b>14.565</b>	<b>14.565</b>	<b>14.641</b>

\* The allocation of Upstream Lighting CFL savings into Residential, Low-income, and Commercial Upstream Lighting is based on evaluation research Navigant conducted early in Program Year 5, which determined that 12.6% of CFL bulbs were sold to commercial customers, 17.8% to low income customers and 69.6% to non-low-income residential customers.

## 4 Summary of Finances

### 4.1 Portfolio Level Expenditures

**Table 4-1: Summary of Portfolio Finances – May 31, 2014**

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$1,407	\$5,075	\$5,075
EDC Incentives to Trade Allies			
<b>Subtotal EDC Incentive Costs</b>	<b>1,407</b>	<b>5,075</b>	<b>5,075</b>
Design & Development	0	239	239
Administration, Management and Technical Assistance <sup>[1]</sup>	2,716	7,970	7,970
Marketing	344	832	832
<b>Subtotal EDC Implementation Costs</b>	<b>3,060</b>	<b>9,041</b>	<b>9,041</b>
<b>EDC Evaluation Costs</b>	<b>270</b>	<b>442</b>	<b>442</b>
<b>SWE Audit Costs</b>	<b>0</b>	<b>750</b>	<b>750</b>
<b>Total EDC Costs<sup>[2]</sup></b>	<b>4,737</b>	<b>15,308</b>	<b>15,308</b>
<b>Participant Costs<sup>[3]</sup></b>			
<b>Total TRC Costs<sup>[4]</sup></b>			
<b>NOTES</b>			
<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>			
<sup>1</sup> 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			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs			

**Table 4-2: Summary of Program Finances – Residential Energy Efficiency – May 31, 2014\***

	<b>Quarter 4 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants	\$718	\$2,459	\$2,459
EDC Incentives to Trade Allies			
<b>Subtotal EDC Incentive Costs</b>	<b>718</b>	<b>2,459</b>	<b>2,459</b>
<b>Design &amp; Development</b>			
Design & Development	0	52	52
Administration, Management and Technical Assistance <sup>[1]</sup>	788	3,506	3,506
Marketing	344	825	825
<b>Subtotal EDC Implementation Costs</b>	<b>1,132</b>	<b>4,383</b>	<b>4,383</b>
<b>EDC Evaluation Costs</b>			
EDC Evaluation Costs	58	95	95
<b>SWE Audit Costs</b>	<b>0</b>	<b>162</b>	<b>162</b>
<b>Total EDC Costs<sup>[2]</sup></b>	<b>1,908</b>	<b>7,099</b>	<b>7,099</b>
<b>Participant Costs<sup>[3]</sup></b>			
<b>Total TRC Costs<sup>[4]</sup></b>			
<b>NOTES</b>			
<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>			
<sup>1</sup> 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			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs			

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

**Table 4-3: Summary of Program Finances – Schools Energy Pledge – May 31, 2014**

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$0	\$0	\$0
EDC Incentives to Trade Allies			
<b>Subtotal EDC Incentive Costs</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Design &amp; Development</b>			
Design & Development	0	6	6
Administration, Management and Technical Assistance <sup>[1]</sup>	35	198	198
Marketing	0	0	0
<b>Subtotal EDC Implementation Costs</b>	<b>35</b>	<b>204</b>	<b>204</b>
<b>EDC Evaluation Costs</b>			
EDC Evaluation Costs	7	12	12
<b>SWE Audit Costs</b>	<b>0</b>	<b>19</b>	<b>19</b>
<b>Total EDC Costs<sup>[2]</sup></b>	<b>42</b>	<b>235</b>	<b>235</b>
<b>Participant Costs<sup>[3]</sup></b>			
<b>Total TRC Costs<sup>[4]</sup></b>			
<b>NOTES</b>			
<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>			
<sup>1</sup> 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			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs			

**Table 4-4: Summary of Program Finances – Appliance Recycling Program – May 31, 2014**

	<b>Quarter 4 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants	\$3	\$81	\$81
EDC Incentives to Trade Allies			
<b>Subtotal EDC Incentive Costs</b>	<b>3</b>	<b>81</b>	<b>81</b>
<b>Design &amp; Development</b>			
Design & Development	0	6	6
<b>Administration, Management and Technical Assistance<sup>[1]</sup></b>			
Administration, Management and Technical Assistance <sup>[1]</sup>	105	442	442
<b>Marketing</b>			
Marketing	0	0	0
<b>Subtotal EDC Implementation Costs</b>	<b>105</b>	<b>448</b>	<b>448</b>
<b>EDC Evaluation Costs</b>			
EDC Evaluation Costs	7	11	11
<b>SWE Audit Costs</b>			
SWE Audit Costs	0	18	18
<b>Total EDC Costs<sup>[2]</sup></b>	<b>115</b>	<b>558</b>	<b>558</b>
<b>Participant Costs<sup>[3]</sup></b>			
Participant Costs <sup>[3]</sup>			
<b>Total TRC Costs<sup>[4]</sup></b>			
<b>NOTES</b>			
<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>			
<sup>1</sup> 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			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs			



**Table 4-5: Summary of Program Finances – Low Income Energy Efficiency – May 31, 2014\***

	<b>Quarter 4 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants	\$1	\$9	\$9
EDC Incentives to Trade Allies			
<b>Subtotal EDC Incentive Costs</b>	<b>1</b>	<b>9</b>	<b>9</b>
<b>Design &amp; Development</b>			
Design & Development	0	15	15
Administration, Management and Technical Assistance <sup>[1]</sup>	267	472	472
Marketing	0	0	0
<b>Subtotal EDC Implementation Costs</b>	<b>267</b>	<b>487</b>	<b>487</b>
<b>EDC Evaluation Costs</b>			
EDC Evaluation Costs	17	28	28
<b>SWE Audit Costs</b>	<b>0</b>	<b>47</b>	<b>47</b>
<b>Total EDC Costs<sup>[2]</sup></b>	<b>285</b>	<b>571</b>	<b>571</b>
<b>Participant Costs<sup>[3]</sup></b>			
<b>Total TRC Costs<sup>[4]</sup></b>			
<b>NOTES</b>			
<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>			
<sup>1</sup> 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			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs			

\* All Upstream Lighting program costs are currently shown in Table 4-2: Summary of Program Finances – Residential Energy Efficiency. The final report for PY5 will disaggregate these costs to REEP, LIEEP and the Commercial Umbrella program, as appropriate.

**Table 4-6: Summary of Program Finances – Residential Home Energy Reporting – May 31, 2014**

	<b>Quarter 4 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants	\$0	\$0	\$0
EDC Incentives to Trade Allies			
<b>Subtotal EDC Incentive Costs</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Design &amp; Development</b>			
Design & Development	0	0	0
Administration, Management and Technical Assistance <sup>[1]</sup>	588	588	588
Marketing	0	0	0
<b>Subtotal EDC Implementation Costs</b>	<b>588</b>	<b>588</b>	<b>588</b>
<b>EDC Evaluation Costs</b>			
EDC Evaluation Costs	0	0	0
<b>SWE Audit Costs</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total EDC Costs<sup>[2]</sup></b>	<b>588</b>	<b>588</b>	<b>588</b>
<b>Participant Costs<sup>[3]</sup></b>			
<b>Total TRC Costs<sup>[4]</sup></b>			
<b>NOTES</b>			
<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>			
<sup>1</sup> 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			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs			

**Table 4-7: Summary of Program Finances – Commercial Umbrella – May 31, 2014\***

	Quarter 4 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	\$30	\$52	\$52
EDC Incentives to Trade Allies			
<b>Subtotal EDC Incentive Costs</b>	<b>30</b>	<b>52</b>	<b>52</b>
Design & Development	0	10	10
Administration, Management and Technical Assistance <sup>[1]</sup>	66	251	251
Marketing	0	7	7
<b>Subtotal EDC Implementation Costs</b>	<b>66</b>	<b>268</b>	<b>268</b>
EDC Evaluation Costs	11	18	18
<b>SWE Audit Costs</b>	<b>0</b>	<b>30</b>	<b>30</b>
<b>Total EDC Costs<sup>[2]</sup></b>	<b>107</b>	<b>368</b>	<b>368</b>
<b>Participant Costs<sup>[3]</sup></b>			
<b>Total TRC Costs<sup>[4]</sup></b>			
<b>NOTES</b>			
<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>			
<sup>1</sup> 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			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs			

\* All Upstream Lighting program costs are currently shown in Table 4-2: Summary of Program Finances – Residential Energy Efficiency. The final report for PY5 will disaggregate these costs to REEP, LIEEP and the Commercial Umbrella program, as appropriate.

**Table 4-8: Summary of Program Finances – Healthcare – May 31, 2014**

	<b>Quarter 4 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants	\$369	\$1,077	\$1,077
EDC Incentives to Trade Allies			
<b>Subtotal EDC Incentive Costs</b>	<b>369</b>	<b>1,077</b>	<b>1,077</b>
<b>Design &amp; Development</b>			
Design & Development	0	13	13
<b>Administration, Management and Technical Assistance<sup>[1]</sup></b>			
Administration, Management and Technical Assistance <sup>[1]</sup>	17	25	25
<b>Marketing</b>			
Marketing	0	0	0
<b>Subtotal EDC Implementation Costs</b>	<b>17</b>	<b>38</b>	<b>38</b>
<b>EDC Evaluation Costs</b>			
EDC Evaluation Costs	15	25	25
<b>SWE Audit Costs</b>			
SWE Audit Costs	0	42	42
<b>Total EDC Costs<sup>[2]</sup></b>	<b>401</b>	<b>1,182</b>	<b>1,182</b>
<b>Participant Costs<sup>[3]</sup></b>			
Participant Costs <sup>[3]</sup>			
<b>Total TRC Costs<sup>[4]</sup></b>			
<b>NOTES</b>			
<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>			
<sup>1</sup> 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			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs			

**Table 4-9: Summary of Program Finances – Industrial Umbrella – May 31, 2014**

	<b>Quarter 4 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants	\$0	\$128	\$128
EDC Incentives to Trade Allies			
<b>Subtotal EDC Incentive Costs</b>	<b>0</b>	<b>128</b>	<b>128</b>
<b>Design &amp; Development</b>			
Design & Development	0	4	4
<b>Administration, Management and Technical Assistance<sup>[1]</sup></b>			
Administration, Management and Technical Assistance <sup>[1]</sup>	11	46	46
<b>Marketing</b>			
Marketing	0	0	0
<b>Subtotal EDC Implementation Costs</b>	<b>11</b>	<b>50</b>	<b>50</b>
<b>EDC Evaluation Costs</b>			
EDC Evaluation Costs	4	7	7
<b>SWE Audit Costs</b>			
SWE Audit Costs	0	12	12
<b>Total EDC Costs<sup>[2]</sup></b>	<b>15</b>	<b>197</b>	<b>197</b>
<b>Participant Costs<sup>[3]</sup></b>			
Participant Costs <sup>[3]</sup>			
<b>Total TRC Costs<sup>[4]</sup></b>			
<b>NOTES</b>			
<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>			
<sup>1</sup> 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			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs			

**Table 4-10: Summary of Program Finances – Chemicals – May 31, 2014**

	<b>Quarter 4 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants	\$13	\$28	\$28
EDC Incentives to Trade Allies			
<b>Subtotal EDC Incentive Costs</b>	<b>13</b>	<b>28</b>	<b>28</b>
<b>Design &amp; Development</b>			
Design & Development	0	9	9
Administration, Management and Technical Assistance <sup>[1]</sup>	59	102	102
Marketing	0	0	0
<b>Subtotal EDC Implementation Costs</b>	<b>59</b>	<b>111</b>	<b>111</b>
<b>EDC Evaluation Costs</b>			
EDC Evaluation Costs	10	16	16
<b>SWE Audit Costs</b>	<b>0</b>	<b>29</b>	<b>29</b>
<b>Total EDC Costs<sup>[2]</sup></b>	<b>82</b>	<b>184</b>	<b>184</b>
<b>Participant Costs<sup>[3]</sup></b>			
<b>Total TRC Costs<sup>[4]</sup></b>			
<b>NOTES</b>			
<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>			
<sup>1</sup> 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			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs			

**Table 4-11: Summary of Program Finances – Mixed Industrial – May 31, 2014**

	<b>Quarter 4 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants	\$38	\$45	\$45
EDC Incentives to Trade Allies			
<b>Subtotal EDC Incentive Costs</b>	<b>38</b>	<b>45</b>	<b>45</b>
<b>Design &amp; Development</b>			
Design & Development	0	8	8
Administration, Management and Technical Assistance <sup>[1]</sup>	196	236	236
Marketing	0	0	0
<b>Subtotal EDC Implementation Costs</b>	<b>196</b>	<b>244</b>	<b>244</b>
<b>EDC Evaluation Costs</b>			
EDC Evaluation Costs	9	15	15
<b>SWE Audit Costs</b>	<b>0</b>	<b>25</b>	<b>25</b>
<b>Total EDC Costs<sup>[2]</sup></b>	<b>243</b>	<b>329</b>	<b>329</b>
<b>Participant Costs<sup>[3]</sup></b>			
<b>Total TRC Costs<sup>[4]</sup></b>			
<b>NOTES</b>			
<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>			
<sup>1</sup> 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			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs			

**Table 4-12: Summary of Program Finances – Office Buildings – May 31, 2014**

	<b>Quarter 4 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants	\$157	\$469	\$469
EDC Incentives to Trade Allies			
<b>Subtotal EDC Incentive Costs</b>	<b>157</b>	<b>469</b>	<b>469</b>
<b>Design &amp; Development</b>			
Design & Development	0	36	36
Administration, Management and Technical Assistance <sup>[1]</sup>	229	709	709
Marketing	0	0	0
<b>Subtotal EDC Implementation Costs</b>	<b>229</b>	<b>745</b>	<b>745</b>
<b>EDC Evaluation Costs</b>			
EDC Evaluation Costs	41	67	67
<b>SWE Audit Costs</b>	<b>0</b>	<b>113</b>	<b>113</b>
<b>Total EDC Costs<sup>[2]</sup></b>	<b>427</b>	<b>1,394</b>	<b>1,394</b>
<b>Participant Costs<sup>[3]</sup></b>			
<b>Total TRC Costs<sup>[4]</sup></b>			
<b>NOTES</b>			
<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>			
<sup>1</sup> 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			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs			



**Table 4-13: Summary of Program Finances – Primary Metals – May 31, 2014**

	<b>Quarter 4 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants	\$6	\$454	\$454
EDC Incentives to Trade Allies			
<b>Subtotal EDC Incentive Costs</b>	<b>6</b>	<b>454</b>	<b>454</b>
<b>Design &amp; Development</b>			
Design & Development	0	24	24
Administration, Management and Technical Assistance <sup>[1]</sup>	109	735	735
Marketing	0	0	0
<b>Subtotal EDC Implementation Costs</b>	<b>109</b>	<b>759</b>	<b>759</b>
<b>EDC Evaluation Costs</b>			
EDC Evaluation Costs	27	44	44
<b>SWE Audit Costs</b>	<b>0</b>	<b>76</b>	<b>76</b>
<b>Total EDC Costs<sup>[2]</sup></b>	<b>142</b>	<b>1,333</b>	<b>1,333</b>
<b>Participant Costs<sup>[3]</sup></b>			
<b>Total TRC Costs<sup>[4]</sup></b>			
<b>NOTES</b>			
<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>			
<sup>1</sup> 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			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs			

**Table 4-14: Summary of Program Finances – Government (Non-Profit & Education) – May 31, 2014**

	<b>Quarter 4 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants	\$36	\$61	\$61
EDC Incentives to Trade Allies			
<b>Subtotal EDC Incentive Costs</b>	<b>36</b>	<b>61</b>	<b>61</b>
<b>Design &amp; Development</b>			
Design & Development	0	42	42
Administration, Management and Technical Assistance <sup>[1]</sup>	146	348	348
Marketing	0	0	0
<b>Subtotal EDC Implementation Costs</b>	<b>146</b>	<b>390</b>	<b>390</b>
<b>EDC Evaluation Costs</b>			
EDC Evaluation Costs	47	77	77
<b>SWE Audit Costs</b>	<b>0</b>	<b>132</b>	<b>132</b>
<b>Total EDC Costs<sup>[2]</sup></b>	<b>229</b>	<b>660</b>	<b>660</b>
<b>Participant Costs<sup>[3]</sup></b>			
<b>Total TRC Costs<sup>[4]</sup></b>			
<b>NOTES</b>			
<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>			
<sup>1</sup> 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			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs			

**Table 4-15: Summary of Program Finances – Retail Stores – May 31, 2014**

	<b>Quarter 4 (\$000)</b>	<b>PYTD (\$000)</b>	<b>Phase II (\$000)</b>
EDC Incentives to Participants	\$36	\$213	\$213
EDC Incentives to Trade Allies			
<b>Subtotal EDC Incentive Costs</b>	<b>36</b>	<b>213</b>	<b>213</b>
<b>Design &amp; Development</b>			
Design & Development	0	14	14
Administration, Management and Technical Assistance <sup>[1]</sup>	103	317	317
Marketing	0	0	0
<b>Subtotal EDC Implementation Costs</b>	<b>103</b>	<b>331</b>	<b>331</b>
<b>EDC Evaluation Costs</b>			
EDC Evaluation Costs	16	26	26
<b>SWE Audit Costs</b>	<b>0</b>	<b>45</b>	<b>45</b>
<b>Total EDC Costs<sup>[2]</sup></b>	<b>155</b>	<b>615</b>	<b>615</b>
<b>Participant Costs<sup>[3]</sup></b>			
<b>Total TRC Costs<sup>[4]</sup></b>			
<b>NOTES</b>			
<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>			
<sup>1</sup> 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			
<sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only. Total EDC Costs = Subtotal EDC Incentive Costs + Subtotal EDC Implementation Costs + EDC Evaluation Costs + SWE Audit Costs.			
<sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.			
<sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs			