## Quarterly Report to the Pennsylvania Public Utility Commission

# For the Period September 1, 2014 through November 30, 2014 Program Year 6, Quarter 2

For Pennsylvania Act 129 of 2008 Energy Efficiency and Conservation Plan

Prepared by Navigant Consulting Inc.

For

**Duquesne Light** 

January 14, 2015

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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

LIURP 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

PY6 Q2 Program Year 6, Quarter 2

PYTD	Program Year to Date
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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 2<sup>nd</sup> quarter of Program Year 6 (PY6), defined as September 1, 2014, through November 30, 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 PY6 will be reported in the annual report, to be filed November 15, 2015.

#### 1.1 Summary of Achievements

Duquesne Light has achieved 117 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 117 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 PY6) gross energy savings achieved through Quarter 2, as shown in Figure 1-1. (Phase II-Q)<sup>3</sup> is also shown in Figure 1-1.

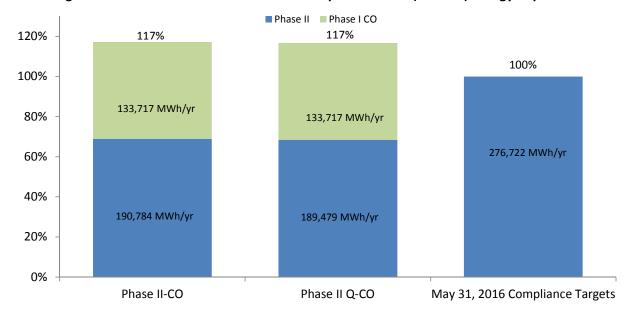


Figure 1-1: Cumulative Portfolio Phase 2 Inception to Date (Phase II) Energy Impacts

Duquesne Light has achieved 25 MW of demand reduction since the start of Phase II.

<sup>&</sup>lt;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>&</sup>lt;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>&</sup>lt;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.

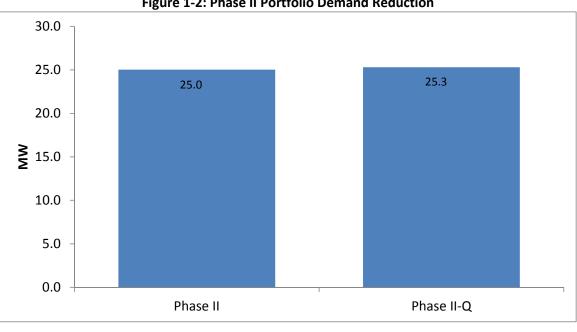


Figure 1-2: Phase II Portfolio Demand Reduction

There are 16 measures available to the low-income sector at no cost to the customer. These measures offered to the low-income sector therefore comprise 17 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).4 The Phase II reported gross energy savings achieved in the low-income sector is 17,055 MWh/yr<sup>5</sup>; this is 8.9 percent of the Phase II total portfolio reported gross energy savings. This exceeds the percentage required (4.5%) of the Phase II goal.

Duquesne Light achieved 38 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 38

<sup>&</sup>lt;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>&</sup>lt;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 PY6 final report which will be submitted November 15, 2015.

percent of the target based on Phase II-Q-CO (or Phase II-CO until verified savings are available for PY6) gross energy savings achieved through Quarter 2, as shown in Figure 1-3.

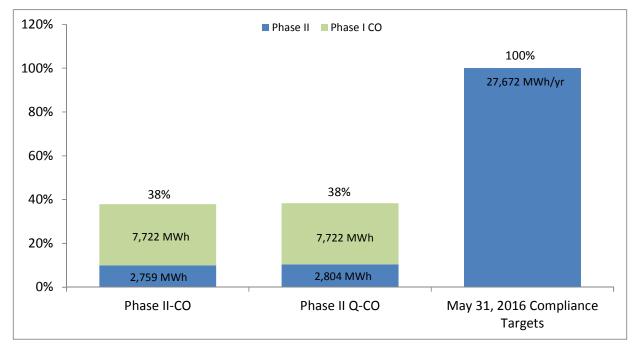


Figure 1-3: Government, Nonprofit, and Institutional Sectors

## 1.2 Program Updates and Findings

The new Whole House Audit/Retrofit, Multifamily Housing Retrofit and Small Commercial Direct Install programs have all launched. Participation reporting is likely to begin in PY6Q3.

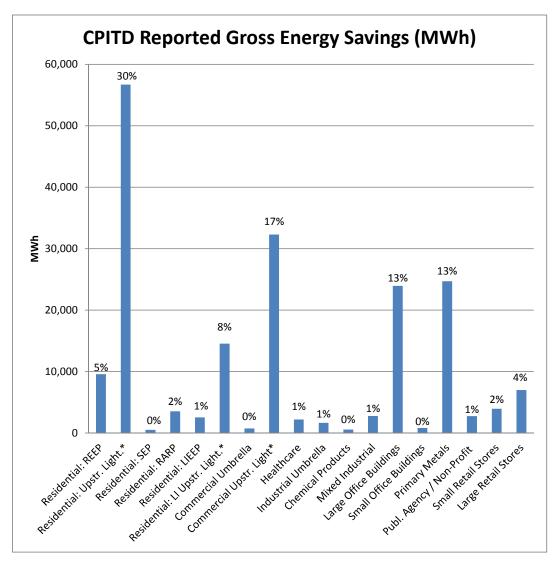
#### 1.3 Evaluation Updates and Findings

During this quarter, a number of evaluation activities supporting the PY5 process and impact evaluation were completed and the annual PY5 evaluation report was submitted.

## 2 Summary of Energy Impacts by Program

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





<sup>\*</sup> 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 PY6Q2 is presented in Table 2-1.

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

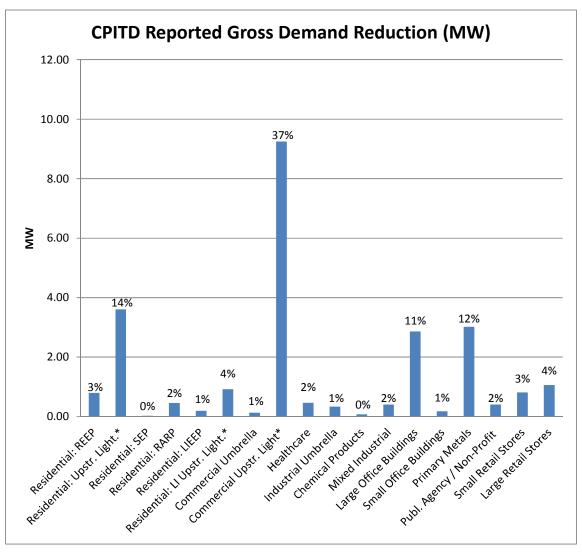
Program		Participan	ts	Reported Gross Impact (MWh)			Vh)
		PYTD	Phase II	IQ	PYTD	Phase II	Phase II-Q
Residential: EE Program (REEP): Rebate Program	671	1,636	27,255	183	430	9,570	6,234
Residential: EE Program (Upstream Lighting)*	N/A	N/A	N/A	5,870	14,406	56,712	57,421
Residential: School Energy Pledge	0	0	1,284	0	0	499	365
Residential: Appliance Recycling	1,235	1,881	4,053	1,120	1,694	3,543	3,586
Residential: Low Income EE	152	1,042	6,673	117	298	2,521	2,073
Residential: Low Income EE (Upstream Lighting)*	N/A	N/A	N/A	1,504	3,692	14,534	14,716
Commercial Sector Umbrella EE	2	7	27	13	24	738	757
Commercial Sector Umbrella EE (Upstream Lighting)*	N/A	N/A	N/A	2,561	5,916	32,316	32,995
Healthcare EE	0	1	9	0	6	2,197	2,254
Industrial Sector Umbrella EE	1	1	3	157	157	1,641	1,676
Chemical Products EE	3	3	12	155	155	553	563
Mixed Industrial EE	8	14	25	331	1,688	2,779	2,804
Office Building – Large – EE	17	41	92	8,418	15,739	23,941	24,152
Office Building – Small EE	3	8	33	6	104	816	835
Primary Metals EE	8	16	23	6,431	7,397	24,710	25,113
Public Agency / Non-Profit	10	23	59	1,402	2,146	2,759	2,886
Retail Stores – Small EE	29	86	223	395	1,601	3,951	4,012
Retail Stores – Large EE	16	54	71	663	5,604	7,003	7,039
TOTAL PORTFOLIO	2,155	4,813	39,842	29,327	61,058	190,784	189,479

<sup>\*</sup> 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.





<sup>\*</sup> 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 PY6Q2 is presented in Table 3-1.

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

Program		Participant	s	Reported Gross Impact (MW)			
	IQ	PYTD	Phase II	IQ	PYTD	Phase II	Phase II-Q
Residential: EE Program (REEP): Rebate Program	671	1,636	27,255	0.114	0.173	0.798	0.798
Residential: EE Program (Upstream Lighting)*	N/A	N/A	N/A	0.702	1.403	3.603	3.663
Residential: School Energy Pledge	0	0	1,284	0.000	0.000	0.028	0.028
Residential: Appliance Recycling	1,235	1,881	4,053	0.154	0.233	0.457	0.457
Residential: Low Income EE	152	1,042	6,673	0.017	0.040	0.196	0.196
Residential: Low Income EE (Upstream Lighting)*	N/A	N/A	N/A	0.180	0.360	0.923	0.938
Commercial Sector Umbrella EE	2	7	27	0.003	0.006	0.132	0.132
Commercial Sector Umbrella EE (Upstream Lighting)*	N/A	N/A	N/A	0.937	1.874	9.247	9.465
Healthcare EE	0	1	9	0.000	0.002	0.464	0.464
Industrial Sector Umbrella EE	1	1	3	0.040	0.040	0.339	0.339
Chemical Products EE	3	3	12	0.018	0.018	0.082	0.082
Mixed Industrial EE	8	14	25	0.060	0.241	0.406	0.406
Office Building – Large – EE	17	41	92	0.775	1.414	2.864	2.864
Office Building – Small EE	3	8	33	0.002	0.030	0.179	0.179
Primary Metals EE	8	16	23	0.799	0.922	3.018	3.018
Public Agency / Non-Profit	10	23	59	0.137	0.247	0.405	0.405
Retail Stores – Small EE	29	86	223	0.089	0.309	0.813	0.813
Retail Stores – Large EE	16	54	71	0.094	0.881	1.061	1.061
TOTAL PORTFOLIO	2,155	4,813	39,842	4.120	8.193	25.016	25.309

<sup>\*</sup> The allocation of Upstream Lighting 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 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 - November 30, 2014

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	2,265	4,344	9,419
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	2,265	4,344	9,419
Design & Development	0	0	239
Administration, Management and Technical Assistance <sup>[1]</sup>	2,556	4,850	12,820
Marketing	9	133	965
Subtotal EDC Implementation Costs	2,565	4,983	14,024
EDC Evaluation Costs	340	647	1,089
SWE Audit Costs	450	700	1,450
Total EDC Costs <sup>[2]</sup>	5,620	10,674	25,982
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			
	<del></del>	•	

#### NOTES

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.

clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only.

Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs

Table 4-2: Summary of Program Finances – Residential Energy Efficiency – November 30, 2014\*

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	592	1,223	3,011
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	552	1,223	3,011
Design & Development	0	0	52
Administration, Management and Technical Assistance <sup>[1]</sup>	788	1,458	4,964
Marketing	9	133	958
Subtotal EDC Implementation Costs	797	1,591	5,974
EDC Evaluation Costs	69	135	230
SWE Audit Costs	91	145	307
Total EDC Costs <sup>[2]</sup>	1,549	3,094	9,522
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			

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.

clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only.

<sup>&</sup>lt;sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs

<sup>\*</sup> All Upstream Lighting program costs are currently shown in the Summary of Program Finances table for REEP. The final report for PY6 will disaggregate these costs to REEP, LIEEP, and the Commercial Umbrella program, as appropriate.

Table 4-3: Summary of Program Finances – Schools Energy Pledge – November 30, 2014

	Quarter2 (\$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	6
Administration, Management and Technical Assistance <sup>[1]</sup>	25	65	263
Marketing	0	0	0
Subtotal EDC Implementation Costs	25	65	269
EDC Evaluation Costs	9	17	29
SWE Audit Costs	11	17	36
Total EDC Costs <sup>[2]</sup>	45	99	334
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			

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.

clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only.

<sup>&</sup>lt;sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs

Table 4-4: Summary of Program Finances - Appliance Recycling Program - November 30, 2014

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	46	69	150
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	46	69	150
Design & Development	0	0	6
Administration, Management and Technical Assistance <sup>[1]</sup>	76	228	670
Marketing	0	0	0
Subtotal EDC Implementation Costs	76	228	676
EDC Evaluation Costs	8	16	27
SWE Audit Costs	11	17	35
Total EDC Costs <sup>[2]</sup>	141	330	888
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			

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.

clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only.

<sup>&</sup>lt;sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs

Table 4-5: Summary of Program Finances – Residential Home Energy Reporting – November 30, 2014

	Quarter 2 (\$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 <sup>[1]</sup>	122	245	833
Marketing	0	0	0
Subtotal EDC Implementation Costs	122	245	833
EDC Evaluation Costs	0	0	0
SWE Audit Costs	0	0	0
Total EDC Costs <sup>[2]</sup>	122	245	833
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			

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.

clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only.

<sup>&</sup>lt;sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs

Table 4-6: Summary of Program Finances – Residential Whole House Audit Retro-fit – November 30, 2014

	Quarter 2 (\$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
		T	T
Design & Development	0	0	0
Administration, Management and Technical Assistance <sup>[1]</sup>	26	177	177
Marketing	0	0	0
Subtotal EDC Implementation Costs	26	177	177
EDC Evaluation Costs	6	6	6
SWE Audit Costs	4	4	4
Total EDC Costs <sup>[2]</sup>	36	187	187
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			

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.

clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance

 $<sup>^{</sup>m 1}$  Includes the administrative CSP (rebate processing), tracking system, general administration and

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only.

Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs

Table 4-7: Summary of Program Finances – Low Income Energy Efficiency – November 30, 2014\*

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	4	7	455
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	4	7	455
Design & Development	0	0	15
Administration, Management and Technical Assistance <sup>[1]</sup>	167	221	693
Marketing	0	0	0
Subtotal EDC Implementation Costs	167	221	708
EDC Evaluation Costs	21	40	68
SWE Audit Costs	28	44	91
Total EDC Costs <sup>[2]</sup>	220	312	1,322
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			

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.

clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only.

<sup>&</sup>lt;sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs

<sup>\*</sup> All Upstream Lighting program costs are currently shown in Table 4-2: Summary of Program Finances – Residential Energy Efficiency. The final report for PY6 will disaggregate these costs to REEP, LIEEP and the Commercial Umbrella program, as appropriate.

Table 4-8: Summary of Program Finances - Commercial Umbrella - November 30, 2014\*

Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
1	3	287
1	3	287
0	0	10
38	346	597
0	0	7
38	346	614
11	23	41
14	24	54
64	396	996
	(\$000) 1 1 0 38 0 38 11 14	(\$000) (\$000)  1 3  1 3  0 0  38 346  0 0  38 346  11 23  14 24

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.

clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only.

<sup>&</sup>lt;sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs

<sup>\*</sup> All Upstream Lighting program costs are currently shown in Table 4-2: Summary of Program Finances – Residential Energy Efficiency. The final report for PY6 will disaggregate these costs to REEP, LIEEP and the Commercial Umbrella program, as appropriate.

Table 4-9: Summary of Program Finances – Healthcare – November 30, 2014

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	67	522	1,599
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	67	522	1,599
Design & Development	0	0	13
Administration, Management and Technical Assistance <sup>[1]</sup>	21	47	72
Marketing	0	0	0
Subtotal EDC Implementation Costs	21	47	85
EDC Evaluation Costs	19	36	61
SWE Audit Costs	25	39	81
Total EDC Costs <sup>[2]</sup>	132	644	1,826
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			

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.

clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only.

<sup>&</sup>lt;sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs

Table 4-10: Summary of Program Finances – Industrial Umbrella – November 30, 2014

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	17	17	145
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	17	17	145
Design & Development	0	0	4
Administration, Management and Technical Assistance <sup>[1]</sup>	12	25	71
Marketing	0	0	0
Subtotal EDC Implementation Costs	12	25	75
EDC Evaluation Costs	5	10	17
SWE Audit Costs	7	11	23
Total EDC Costs <sup>[2]</sup>	41	63	260
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			

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.

clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only.

<sup>&</sup>lt;sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs

Table 4-11: Summary of Program Finances – Chemicals – November 30, 2014

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	11	11	39
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	11	11	39
Design & Development	0	0	9
Administration, Management and Technical Assistance <sup>[1]</sup>	16	45	147
Marketing	0	0	0
Subtotal EDC Implementation Costs	16	45	156
EDC Evaluation Costs	13	24	40
SWE Audit Costs	16	25	54
Total EDC Costs <sup>[2]</sup>	56	105	289
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			

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.

clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only.

<sup>&</sup>lt;sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs

Table 4-12: Summary of Program Finances – Mixed Industrial – November 30, 2014

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	36	84	129
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	36	84	129
Design & Development	0	0	8
Administration, Management and Technical Assistance <sup>[1]</sup>	35	78	314
Marketing	0	0	0
Subtotal EDC Implementation Costs	35	78	322
EDC Evaluation Costs	11	21	36
SWE Audit Costs	15	24	49
Total EDC Costs <sup>[2]</sup>	97	207	536
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			

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.

clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only.

<sup>&</sup>lt;sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs

Table 4-13: Summary of Program Finances – Office Buildings – November 30, 2014

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	598	1,008	1,477
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	598	1,008	1,477
Design & Development	0	0	36
Administration, Management and Technical Assistance <sup>[1]</sup>	81	270	979
Marketing	0	0	0
Subtotal EDC Implementation Costs	81	270	1,015
EDC Evaluation Costs	34	80	147
SWE Audit Costs	46	84	197
Total EDC Costs <sup>[2]</sup>	759	1,442	2,836
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			

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.

clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only.

<sup>&</sup>lt;sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs

Table 4-14: Summary of Program Finances – Primary Metals – November 30, 2014

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	315	361	815
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	315	361	815
Design & Development	0	0	24
Administration, Management and Technical Assistance <sup>[1]</sup>	609	931	1,666
Marketing	0	0	0
Subtotal EDC Implementation Costs	609	931	1,690
EDC Evaluation Costs	34	65	109
SWE Audit Costs	46	71	147
Total EDC Costs <sup>[2]</sup>	1,004	1,428	2,761
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			

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.

clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only.

<sup>&</sup>lt;sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs

Table 4-15: Summary of Program Finances – Government (Non-Profit & Education) – November 30, 2014

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	579	629	690
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	579	629	690
	<del>-</del>		<del>,</del>
Design & Development	0	0	42
Administration, Management and Technical Assistance <sup>[1]</sup>	124	202	550
Marketing	0	0	0
Subtotal EDC Implementation Costs	124	202	592
EDC Evaluation Costs	50	104	181
SWE Audit Costs	65	109	241
Total EDC Costs <sup>[2]</sup>	818	1,044	1,704
Participant Costs <sup>[3]</sup>			_
Total TRC Costs <sup>[4]</sup>			

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.

clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance

 $<sup>^{</sup>m 1}$  Includes the administrative CSP (rebate processing), tracking system, general administration and

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only.

<sup>&</sup>lt;sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs

Table 4-16: Summary of Program Finances – Retail Stores – November 30, 2014

	Quarter 2 (\$000)	PYTD (\$000)	Phase II (\$000)
EDC Incentives to Participants	0	410	623
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	0	410	623
Design & Development	0	0	14
Administration, Management and Technical Assistance <sup>[1]</sup>	105	200	517
Marketing	0	0	0
Subtotal EDC Implementation Costs	105	200	531
EDC Evaluation Costs	21	40	66
SWE Audit Costs	27	42	87
Total EDC Costs <sup>[2]</sup>	153	692	1,307
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			

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.

clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only.

<sup>&</sup>lt;sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs

Table 4-17: Summary of Program Finances – Small Commercial Direct Install – November 30, 2014

	Quarter 2 (\$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 <sup>[1]</sup>	222	222	222
Marketing	0	0	0
Subtotal EDC Implementation Costs	222	222	222
EDC Evaluation Costs	20	20	20
SWE Audit Costs	26	26	26
Total EDC Costs <sup>[2]</sup>	268	268	268
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			

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.

clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only.

<sup>&</sup>lt;sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs

Table 4-18: Summary of Program Finances – Multi-Family Housing Retro-fit – November 30, 2014

	Quarter 2 (\$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 <sup>[1]</sup>	92	92	92
Marketing	0	0	0
Subtotal EDC Implementation Costs	92	92	92
EDC Evaluation Costs	10	10	10
SWE Audit Costs	14	14	14
Total EDC Costs <sup>[2]</sup>	116	116	116
Participant Costs <sup>[3]</sup>			
Total TRC Costs <sup>[4]</sup>			

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.

clerical costs, EDC program management, CSP program management, general management oversight major accounts and technical assistance

<sup>&</sup>lt;sup>1</sup> Includes the administrative CSP (rebate processing), tracking system, general administration and

<sup>&</sup>lt;sup>2</sup> Per the 2013 Total Resource Cost Test Order – Total EDC Costs, here, refer to EDC incurred expenses only.

<sup>&</sup>lt;sup>3</sup> Per the 2013 Total Resource Cost Test Order –Net participant costs; in PA, the costs of the end-use customer.

<sup>&</sup>lt;sup>4</sup> Total TRC Costs = Total EDC Costs + Participant Costs