

Quarterly Report to the Pennsylvania Public Utility Commission

**For the Period
September 1, 2012 through November 30, 2012
Program Year 4, Quarter 2**

For Pennsylvania Act 129 of 2008
Energy Efficiency and Conservation Plan

Prepared by ADM Associates, Inc.

For

Metropolitan Edison Company
Docket No. M-2009-2092222

January 14, 2013

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Acronyms

C & I	Commercial and Industrial
CATI	Computer-Aided Telephone Interview
CFL	Compact Fluorescent Lamp
CPITD	Cumulative Program/Portfolio Inception to Date
CPITD-Q	Cumulative Program/Portfolio Inception through Current Quarter
CVR	Conservation Voltage Reduction
CVRf	Conservation Voltage Reduction factor
DLC	Direct Load Control
EDC	Electric Distribution Company
EE&C	Energy Efficiency and Conservation
EM&V	Evaluation, Measurement, and Verification
HVAC	Heating, Ventilating, and Air Conditioning
IQ	Incremental Quarter
kW	Kilowatt
kWh	Kilowatt-hour
LED	Light Emitting Diode
LEEP	Low-Income Energy Efficiency Program
LIURP	Low-Income Usage Reduction Program
M&V	Measurement and Verification
MW	Megawatt
MWh	Megawatt-hour
NTG	Net-to-Gross
PUC	Public Utility Commission
PY1	Program Year 2009
PY2	Program Year 2010
PY3	Program Year 2011
PY4	Program Year 2012
PY4TD	Program/Portfolio Year Three 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. Each EDC submitted energy efficiency and conservation (EE&C) plans—which were approved by the Pennsylvania Public Utility Commission (PUC)—pursuant to these goals. This report documents the progress and effectiveness of the EE&C accomplishments for Metropolitan Edison Company (“Met-Ed” or “Company”) in the second quarter of Program Year Four (PY4) defined as September 1, 2012 through November 30, 2012, as well as the cumulative accomplishments of the programs since inception.

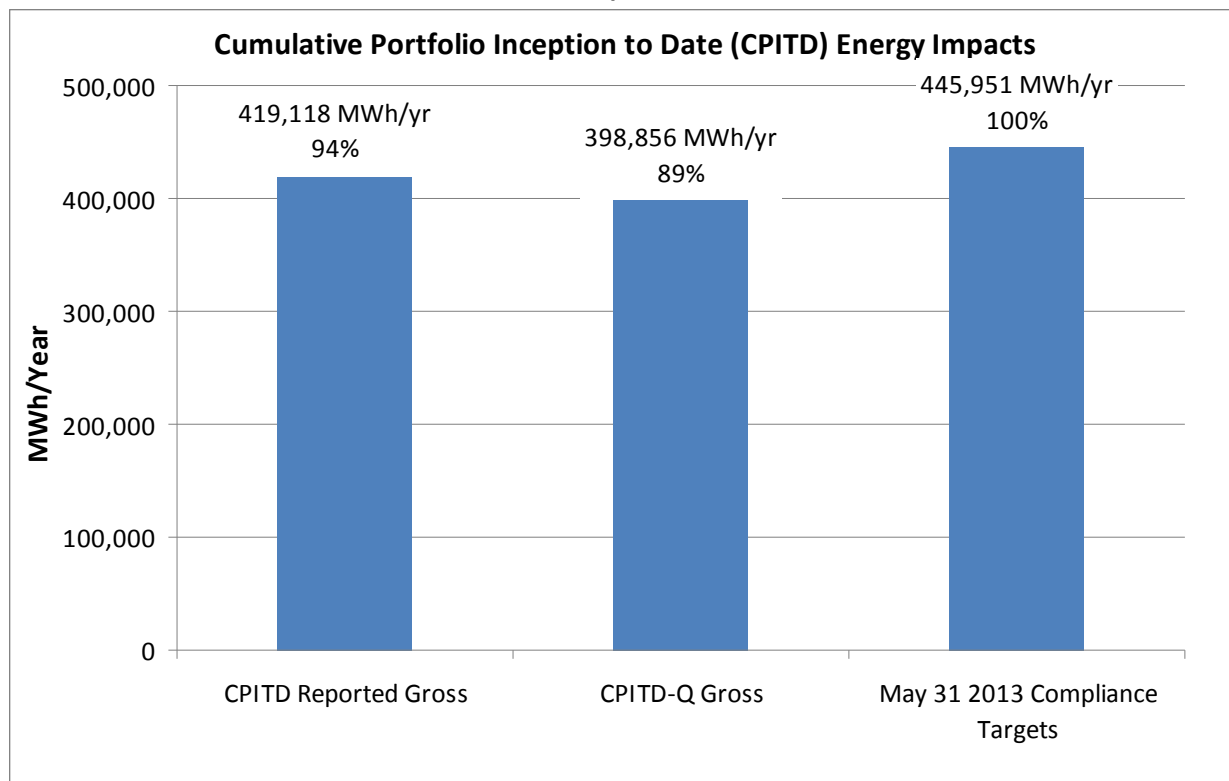
1.1 Summary of Achievements

Met-Ed has achieved 94 percent of the May 31, 2013 energy savings compliance target, based on cumulative program inception to date (CPITD) reported gross energy savings¹, and 89 percent of the energy savings compliance target, based on CPITD gross energy savings achieved through Quarter 2 (CPITD-Q)², as shown in **Figure 1-1**.

¹ CPITD Reported Gross Savings = CPITD Reported Gross Savings through PY3 + PYTD Reported Gross Savings. All savings reported as CPITD reported gross savings are computed this way.

² CPITD-Q Gross Savings = CPITD Verified Gross Savings through PY3 + PYTD Reported Gross Savings. All savings reported as CPITD-Q gross savings are computed this way. CPITD-Q savings provide the best available estimate of savings achieved through the current quarter. CPITD Verified Gross Savings will be reported in the annual report.

Figure 1-1 Cumulative Portfolio Inception to Date (CPITD) Energy Impacts

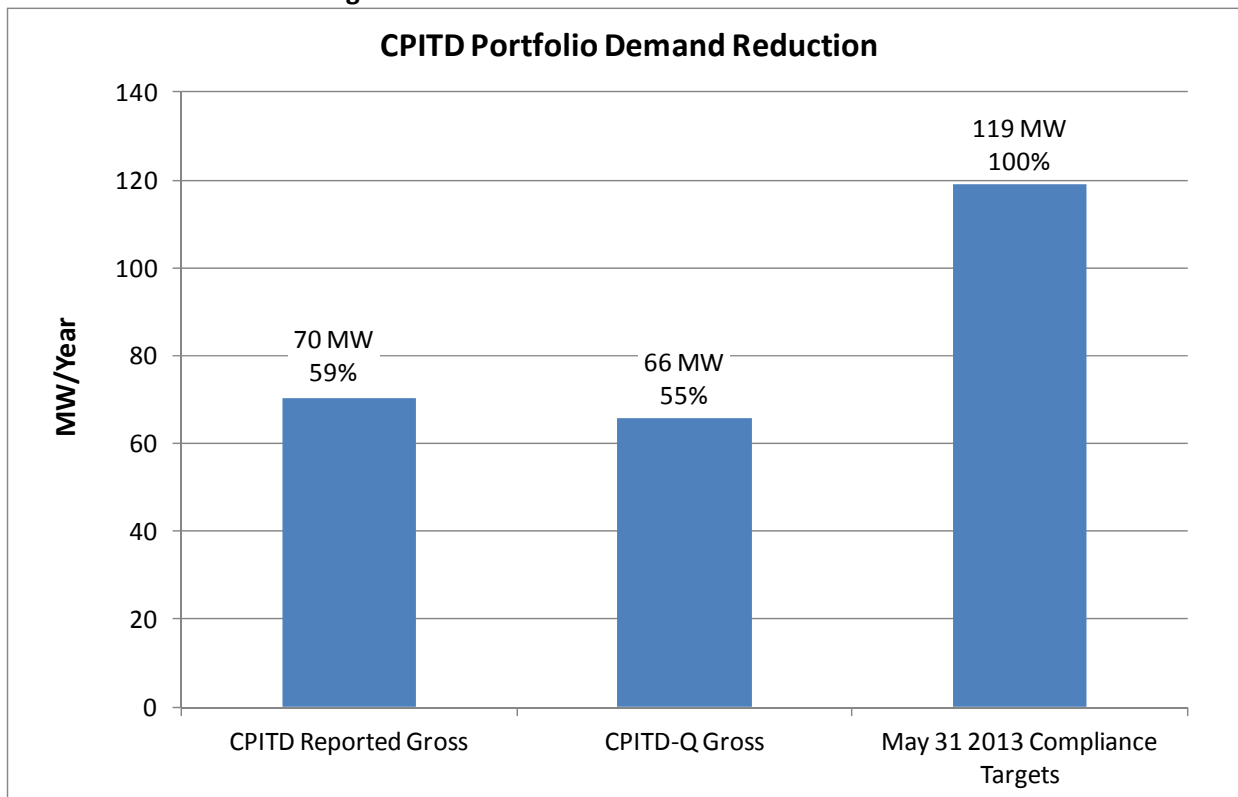


Met-Ed has achieved 59 percent of the May 31, 2013 demand reduction compliance target, based on CPITD reported gross demand reduction and 55 percent of the demand reduction compliance target based on CPITD gross demand reduction achieved through Quarter 2 (CPITD-Q)³, as shown in **Figure 1-2**⁴. Please note that this only includes contributions from energy efficiency programs and does not yet reflect contributions from demand reduction programs operated during the summer of 2012.

³ Reference footnote 2 on page 4.

⁴ These figures only include contributions from energy efficiency programs and does not yet reflect contributions from demand reduction programs operated during the summer of 2012.

Figure 1-2. CPITD Portfolio Demand Reduction



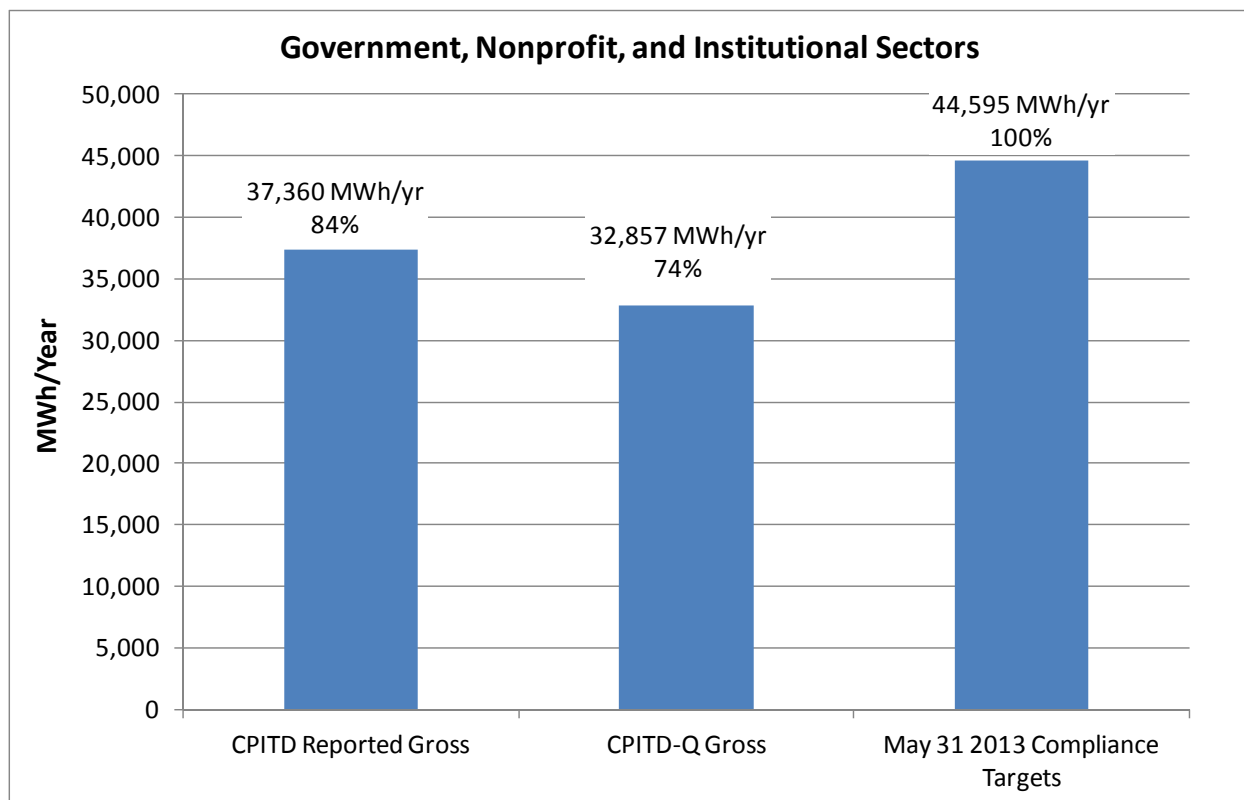
There are 7 measures available to the low-income sector. The measures offered to the low-income sector therefore comprise 17 percent of the total measures offered. As required by Act 129, this exceeds the fraction of the electric consumption of the utility’s low-income households divided by the total electricity consumption in the Met-Ed territory. (9 percent).⁵ The CPITD reported gross energy savings achieved in the low-income sector is 33,483 MWh/yr; this is 8 percent of the CPITD total portfolio reported gross energy savings⁶.

⁵ Act 129 includes a provision requiring electric distribution companies to offer a number of energy efficiency measures to low-income households that are “proportionate to those households’ share of the total energy usage in the service territory.” 66 Pa.C.S. §2806.1(b)(i)(G). The legislation contains no provisions regarding targets for participation, or energy or demand savings.

⁶ The Energy Savings achieved in the low-income sector in the PY4Q2 report are calculated according to the procedure in the PY3 Annual report (page 14). This is a shift from the previous calculation procedure that was used for the PY4Q1 report, and the new methodology results in smaller claimed impacts, thus the adjustment from the PY4Q1 report.

Met-Ed achieved 84 percent of the May 31, 2013, energy reduction compliance target for government, nonprofit and institutional sector, based on CPITD reported gross energy savings, and 74 percent of the target based on CPITD gross energy savings achieved through Quarter 2 (CPITD-Q)⁷, as shown in **Figure 1-3**.

Figure 1-3 Government, Nonprofit, and Institutional Sectors



1.2 Program Updates and Findings

- **Residential Demand Reduction Program:** This program was operated between June 1 and September 30, 2012. As of this writing, the gross / net impact evaluation effort is underway
- **Residential Home Energy Audits and Outreach Program:** There are three (3) components to this program. The Online audit and Whole House Comprehensive audit components for all PA companies were not changed during PY4 Q2. There was one slight change to the Walk Thru audit program; the \$50 participation fee was waived beginning in October 2012 in an effort to boost participation.

⁷ Reference footnote 2 on page 4.

- **Residential Appliance Turn-In Program:** There were no changes to this program during PY4 Q2.
- **Residential Energy Efficiency HVAC Program:** There were no changes to this program during PY4 Q2.
- **Residential Energy Efficient Products Program:** There were no changes to this program during PY4 Q2.
- **Residential New Construction Program:** There were no changes to this program during PY4 Q2.
- **Residential Behavioral Modification and Education Program:** The CSP for the Behavior Modification Program is evaluating the savings calculation at this time.
- **Residential Multiple Family Program:** There were no changes to this program during PY4 Q2.
- **Residential Low-Income (WARM) Programs:** Realization rates were adjusted based on evaluation results within the PY3 final annual report.
- **Commercial / Industrial Small Sector Equipment Program:** No changes to this program during PY4 Q2.
- **Commercial / Industrial Large Sector Performance Contracting / Equipment Program:** No changes to this program during PY4 Q2.
- **Commercial / Industrial Large Sector Demand Response Program – CSP Mandatory and Voluntary Curtailment Program (“PJM Demand Response”):** This program was operated between June 1 and September 30, 2012. As of this writing, the gross / net impact evaluation effort is underway.
- **Governmental / Non-Profit Street Lighting Program:** No changes to this program during PY4 Q2.
- **Governmental / Non-Profit Program:** No changes to this program during PY4 Q2.
- **Governmental / Remaining Non-Profit Program:** No changes to this program during PY4 Q2.

1.3 Evaluation Updates and Findings

- **Residential Demand Reduction Program**

Impact evaluation for this program will begin in January 2013 and preliminary demand reduction estimates will be available by March 2013.

- **Residential Home Energy Audits and Outreach Program**

This program has three distinct components: (i) conservation kits sent to customers that complete online or telephone home energy audits; (ii) direct installation of low cost measures; and (iii), comprehensive walk through audits with direct installation of low-cost measures coupled with

incentives on capital cost improvements. The conservation kits have accounted for the vast majority of the program impacts in PY4.

Table 1.3.1 Residential Home Energy Audits and Outreach Program Evaluation Summary

Program Component	Evaluation Activities Planned	Evaluation Activities Status
Conservation Kits	Conduct up to 23 on-site visits and several hundred online surveys.	ADM has conducted desk reviews of the tracking data and has constructed preliminary realization rates that consider historical “in service rates” and successful delivery rates, as well as changes in the TRM protocols.
Direct Install of Low-Cost Measures	Sample once for entire PY4, conduct engineering review and verification surveys.	ADM has conducted brief a desk review of tracking data. So far the direct install components contribute about 1% of total program savings.
Whole House Comprehensive Audits with Capital Cost Measures Installed	Sample once for entire PY4, conduct engineering review and verification surveys.	ADM has conducted brief a desk review of tracking data. So far the direct install components contribute about 1% of total program savings.

- **Residential Appliance Turn-In Program**

Preliminary realization rates have been constructed from information gained from the recent evaluation effort conducted for PY3.

Table 1.3.2 Residential Appliance Turn-In Program Evaluation Summary

Program Component	Evaluation Activities Planned	Evaluation Activities Status
Refrigerator	Tracking System/TRM Review Verification Surveys	ADM has conducted preliminary desk reviews. First sample will be drawn from the Q1 and Q2 populations.
Freezer		
Room air conditioner		

- **Residential Energy Efficiency HVAC Program**

The sampling scheme for this program includes four qualitative strata. Evaluation activities for the strata are listed below.

Table 1.3.3 Residential Energy Efficiency HVAC Program Evaluation Summary

Program Component	Evaluation Activities Planned	Evaluation Activities Status
Air Source Heat Pump	Invoice + calculation review (large sample) On-Site inspection (smaller sample)	PY4 evaluation activities to date include calculation and ex-ante reviews and assignment of preliminary realization rate based on desk review and application of updated TRM protocols. The average efficiencies and capacities from the PY3 evaluation are used to generate preliminary realization rates for this program.
Ground Source Heat Pump	Invoice + calculation review (large sample) On-Site inspection (smaller sample)	
Central Air Conditioning	Invoice + calculation review (large sample) On-Site inspection (smaller sample)	
HVAC tune-ups	Invoice + calculation review (large sample) Telephone Verification Survey (smaller sample)	

- **Residential Energy Efficient Products Program**

The sampling scheme for this program includes several qualitative strata for lighting and appliances. Evaluation activities for the strata are listed below.

Table 1.3.4 Residential Energy Efficient Products Program Evaluation Summary

Program Component	Evaluation Activities Planned	Evaluation Activities Status
CFL Buydowns	Invoice + calculation review	PY4 evaluation activities to date include calculation and ex-ante reviews and assignment of preliminary realization rate based on desk review and application of updated TRM protocols.
CFL Giveaways	Invoice + calculation review	
Appliances	Invoice + calculation review (large sample, stratified by appliance type) On-Site inspection (smaller sample, focus on clothes washers)	

- **Residential New Construction Program:**

This program accounts for less than 1% of the PYTD portfolio impacts.

Table 1.3.5 Residential New Construction Program Evaluation Summary

Program Component	Evaluation Activities Planned	Evaluation Activities Status
New Homes	Stratified Sample REM/Rate modeling and calculation review (largest sample) Implementer QC Inspection review (smaller sample) On-Site inspection (smallest sample)	ADM has met with the implementer to discuss the results of last year’s evaluation. ADM has reviewed tracking data to identify projects that may have potential modeling issues related to ground source heat pumps. The projects approved so far do not appear likely to have such modeling issues.

- **Residential Behavioral Modification and Education Program**

The impact evaluation effort for this program will involve billing analysis. M&V plans have been completed and initial data requests have been made by the M&V team.

- **Residential Multiple Family Program**

This program accounts for less than 1% of the PYTD portfolio impacts. The program recruits multifamily housing management or maintenance staff to distribute or install conservation kits that contain CFLs and LED night lights. The evaluation sample is stratified with multifamily housing complexes as the sampling units.

Table 1.3.6 Residential Multiple Family Program Evaluation Summary

Program Component	Evaluation Activities Planned	Evaluation Activities Status
Conservation Kits	Telephone Verification Surveys	No sampling or surveying has occurred yet. ADM will begin sampling for surveys when the program population size is sufficiently large relative to the expected PY4 population size.

- **Residential Low-Income (WARM) Programs**

For the PY4 evaluation, ADM will conduct billing analysis of all WARM Plus participants from PY2. The results of the billing analysis will be averaged with the 2009 and 2008 LIURP evaluation report findings to develop deemed savings for the PY4 installations.

Table 1.3.7 Residential Low-Income (WARM) Programs Evaluation Summary

Program Component	Evaluation Activities Planned	Evaluation Activities Status
WARM Plus	Billing analysis planned on PY3 participants.	ADM has conducted desk reviews and has applied preliminary realization rates defined as the ratio of the verified per-unit savings from the PY3 evaluation to the reported per-unit savings in the PY4 tracking data.
WARM Extra Measures	Invoice + calculation review, verification survey.	ADM has conducted a preliminary review of the tracking data. Verification surveys will occur late in the evaluation cycle.

- **Commercial / Industrial Small Sector Equipment Program**

This program offers energy efficiency measures to small commercial/industrial customers. The impact evaluation utilizes stratified sampling. First, the population is stratified into qualitative strata that consist of standardized measure groups as listed below. Each qualitative stratum may contain several quantitative strata based on the expected magnitude of the impacts. The sample sizes are based on past program experience regarding the variability of the realization rates for sampled projects.

Table 1.3.8 Commercial / Industrial Small Sector Equipment Program Evaluation Summary

Program Component	Evaluation Activities Planned	Evaluation Activities Status
“Lighting for Business” Applications	Stratified sampling and on-site visits	First sample to be drawn from Q1 and Q2 populations. Desk review completed for C/I CFL kits.
Prescriptive HVAC, Motor, and Refrigeration Applications	Stratified sampling and on-site visits	First sample to be drawn from Q1 and Q2 populations.
Custom Applications	Stratified sampling and on-site visits	First sample to be drawn from Q1 and Q2 populations. ADM conducts ongoing checks of evaluability for pending projects.

- **Commercial / Industrial Large Sector Performance Contracting / Equipment Program**

This program offers similar measures as the Small C/I and Government Equipment programs. The evaluation approach for this program is similar to the one employed for the Small C/I program.

Table 1.3.9 Commercial / Industrial Large Sector Equipment Program Evaluation Summary

Program Component	Evaluation Activities Planned	Evaluation Activities Status
“Lighting for Business” Applications	Stratified sampling and on-site visits	First sample to be drawn from Q1 and Q2 populations.
Prescriptive HVAC, Motor, and Refrigeration Applications	Stratified sampling and on-site visits	First sample to be drawn from Q1 and Q2 populations.
Custom Applications	Stratified sampling and on-site visits	First sample to be drawn from Q1 and Q2 populations. ADM conducts ongoing checks of evaluability for pending projects.

- **Commercial / Industrial Large Sector Demand Response Program – CSP Mandatory and Voluntary Curtailment Program (“PJM Demand Response”)**

Impact evaluation for this program will begin in January 2013 and preliminary demand reduction estimates will be available by March 2013. The evaluation effort will involve stratified sampling and inspection of the hourly demand reduction calculations for selected projects.

- **Governmental / Non-Profit Street Lighting Program**

This program accounts for less than 1% of the PYTD portfolio impacts.

Table 1.3.10 Governmental / Non-Profit Street Lighting Program Evaluation Summary

Program Component	Evaluation Activities Planned	Evaluation Activities Status
“Street and Area Lights” Applications	Stratified sampling and on-site visits	First sample to be drawn from Q1 and Q2 populations.

- **Governmental / Non-Profit Program:**

This program accounts for less than 1% of the PYTD portfolio impacts.

Table 1.3.11 Governmental / Non-Profit Program Evaluation Summary

Program Component	Evaluation Activities Planned	Evaluation Activities Status
“ Lighting for Business” Applications	Stratified sampling and on-site visits	First sample to be drawn from Q1 and Q2 populations.
Prescriptive HVAC, Motor, and Refrigeration Applications	Stratified sampling and on-site visits	First sample to be drawn from Q1 and Q2 populations.
Custom Applications	Stratified sampling and on-site visits	First sample to be drawn from Q1 and Q2 populations. ADM conducts ongoing checks of evaluability for pending projects.

- **Governmental / Remaining Non-Profit Program:**

This program offers similar measures as the Large and Small C/I Equipment programs. The evaluation approach for this program is similar to the one employed for the Small C/I program.

Table 1.3.11 Governmental / Remaining Non-Profit Program Evaluation Summary

Program Component	Evaluation Activities Planned	Evaluation Activities Status
“Lighting for Business” Applications	Stratified sampling and on-site visits	First sample to be drawn from Q1 and Q2 populations.
Prescriptive HVAC, Motor, and Refrigeration Applications	Stratified sampling and on-site visits	First sample to be drawn from Q1 and Q2 populations.
Custom Applications	Stratified sampling and on-site visits	First sample to be drawn from Q1 and Q2 populations. ADM conducts ongoing checks of evaluability for pending 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. CPITD Reported Gross Energy Savings by Program

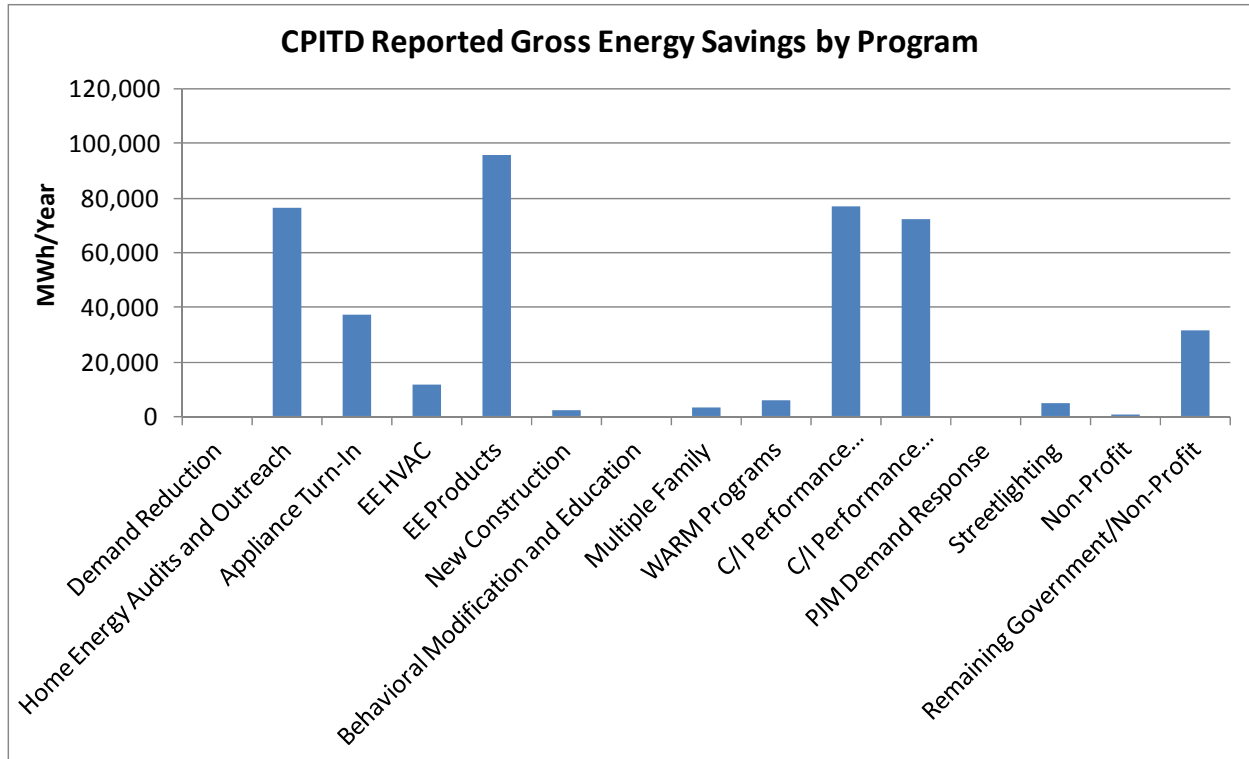
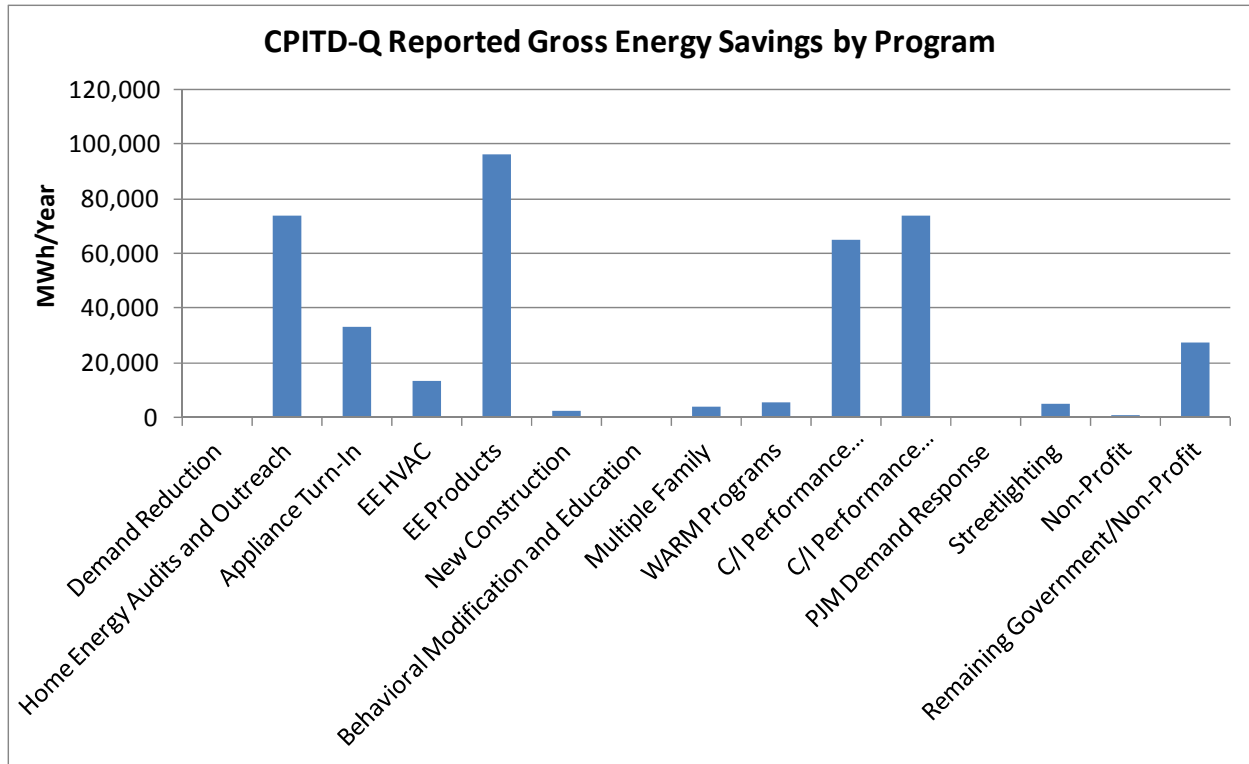


Figure 2-2. CPITD-Q Reported Gross Energy Savings by Program



A summary of energy impacts by program through PY4 Q1 is presented in **Table 2-1**.

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

Program	Participants			Reported Gross Impact (MWh/Year)				Preliminary Realization Rate ¹
	IQ	PYTD	CPITD	IQ	PYTD	CPITD	CPITD-Q	PYTD
Demand Reduction	-712	-4,166	16,479	n/a	n/a	n/a	n/a	n/a
Home Energy Audits and Outreach	24,098	51,786	132,908	15,259	32,651	76,572	73,786	89.0%
Appliance Turn-In	1,325	2,911	20,633	2,663	5,499	37,332	33,156	77.8%
EE HVAC	1,159	2,456	14,125	669	1,485	11,433	13,163	104.4%
EE Products	61,620	108,596	574,808	9,895	17,904	95,825	96,284	89.1%
New Construction	59	110	683	98	238	2,460	2,046	91.0%
Behavioral Modification and Education	0	134,000	134,000	0	0	0	0	
Multiple Family	0	42	8,016	0	765	3,491	3,659	100.0%
WARM Programs	247	723	8,403	155	666	5,996	5,298	51.4%
Small C/I Equipment	59	125	767	4,431	12,760	76,640	64,921	95.0%
Large C/I Equipment	3	13	178	3,375	20,032	72,009	73,686	95.0%
PJM Demand Response	0	178	178	0	0	0	0	n/a
Street lighting	0	1	236	0	7	4,981	4,977	95.0%
Non-Profit	0	3	37	0	62	900	805	95.0%
Remaining Government/Non-Profit	11	28	325	2,888	5,389	31,479	27,075	95.0%
TOTAL PORTFOLIO	87,869	296,806	911,776	39,433	97,458	419,118	398,856	90.8%
NOTES:								
1. Preliminary Realization Rates are based on evaluation activities and findings conducted on a partial sample set. These realization rates are not based on a statistically significant sample and are subject to change until the full evaluation is complete at the end of the program year. In this report, the realization rates for residential programs are based on tracking system review, incorporation of TRM updates, and historical verification/in-service rates. For nonresidential programs, a preliminary placeholder of 95% is used based on historical program performance.								

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. CPITD Reported Demand Reduction by Program.

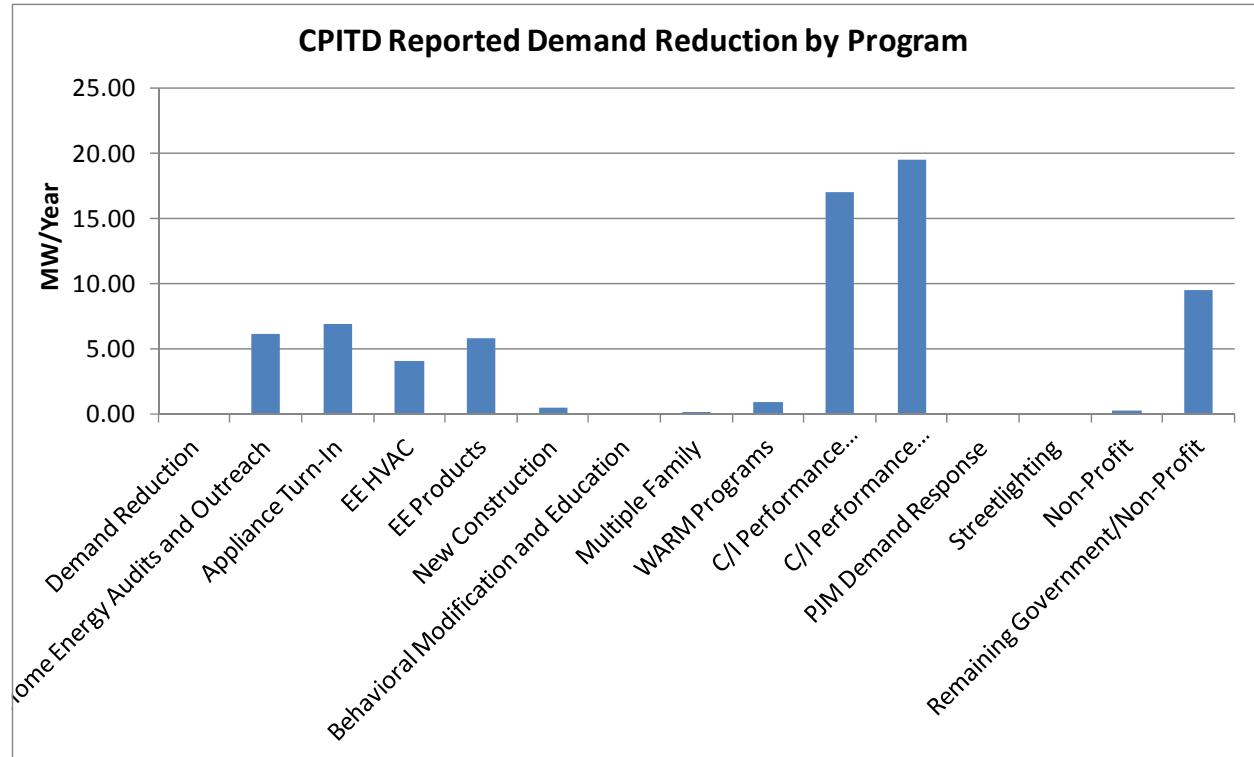
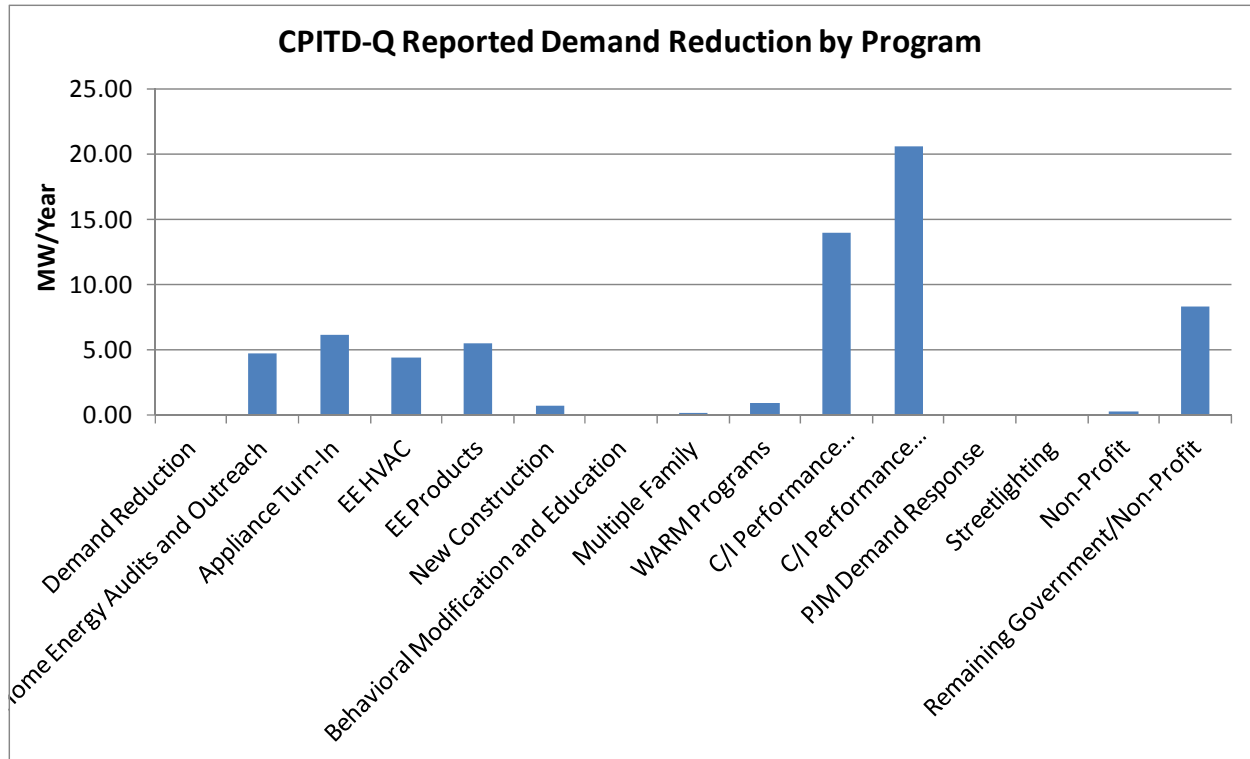


Figure 3-2. CPITD-Q Reported Demand Reduction by Program



A summary of demand reduction impacts by program through PY4 Q1 is presented in **Table 3-1**.

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

Program	Participants			Reported Gross Impact (MW)				Preliminary Realization Rate ¹
	IQ	PYTD	CPITD	IQ	PYTD	CPITD	CPITD-Q	PYTD
Demand Reduction	-712	-4,166	16,479	n/a	n/a	n/a	n/a	n/a
Home Energy Audits and Outreach	24,098	51,786	132,908	1.23	2.64	6.13	4.69	55.6%
Appliance Turn-In	1,325	2,911	20,633	0.41	0.83	6.86	6.15	82.0%
EE HVAC	1,159	2,456	14,125	0.34	0.71	4.03	4.44	83.5%
EE Products	61,620	108,596	574,808	0.58	1.08	5.76	5.47	78.5%
New Construction	59	110	683	0.01	0.04	0.47	0.64	100.0%
Behavioral Modification and Education	0	134,000	134,000	0.00	0.00	0.00	0.00	n/a
Multiple Family	0	42	8,016	0.00	0.03	0.15	0.16	n/a
WARM Programs	247	723	8,403	0.03	0.13	0.91	0.94	115.1%
Small C/I Equipment	59	125	767	1.18	4.30	16.96	13.98	95.0%
Large C/I Equipment	3	13	178	1.92	13.40	19.51	20.60	95.0%
PJM Demand Response	0	178	178	0.00	0.00	0.00	0.00	n/a
Street lighting	0	1	236	0.00	0.00	0.00	0.00	n/a
Non-Profit	0	3	37	0.00	0.02	0.25	0.24	95.0%
Remaining Government/Non-Profit	11	28	325	1.69	3.14	9.47	8.31	95.0%
TOTAL PORTFOLIO	87,869	296,806	911,776	7.38	26.32	70.49	65.61	89.6%

NOTES:

1. Preliminary Realization Rates are based on evaluation activities and findings conducted on a partial sample set. These realization rates are not based on a statistically significant sample and are subject to change until the full evaluation is complete at the end of the program year. In this report, the realization rates for residential programs are based on tracking system review, incorporation of TRM updates, and historical verification/in-service rates. For nonresidential programs, a preliminary placeholder of 95% is used based on historical program performance.

4 Summary of Finances

4.1 Portfolio Level Expenditures

A breakdown of the portfolio finances is presented in **Table 4-1**.

Table 4-1. Summary of Portfolio Finances

	IQ (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$3,942	\$10,102	\$54,877
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$3,942	\$10,102	\$54,877
			\$0
Design & Development ¹	\$45	\$59	\$608
Administration ²	\$2,508	\$3,260	\$15,094
Management ³	\$289	\$646	\$2,896
Marketing ⁴	\$0	\$29	\$885
Technical Assistance ⁵	\$59	\$162	\$701
Subtotal EDC Implementation Costs	\$2,902	\$4,156	\$20,185
EDC Evaluation Costs	\$295	\$602	\$2,092
SWE Audit Costs	\$0	\$153	\$1,064
Total EDC Costs	\$7,139	\$15,013	\$78,218
Participant Costs	\$0	\$0	\$0
Total TRC Costs			
Notes:			
¹ Includes cost of EE Expert			
² Costs paid to Conservation Service Providers (CSPs) for program implementation. To define in the TRC Technical Working Group.			
³ Costs incurred to manage the CSPs and programs. To define in the TRC Technical Working Group.			
⁴ Includes umbrella marketing costs for programs. Marketing completed by the CSPs are included in Administration.			
⁵ Includes costs for Tracking and Reporting System			

4.2 Program Level Expenditures

Program-specific finances are shown in the following tables.

Table 4-2. Summary of Program Finances – Residential Demand Reduction

	IQ (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	-\$280	-\$272	\$14,916
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	-\$280	-\$272	\$14,916
			\$0
Design & Development ¹	\$0	\$0	\$153
Administration ²	\$0	\$0	\$4
Management ³	\$6	-\$114	\$333
Marketing ⁴	\$0	\$0	\$100
Technical Assistance ⁵	\$12	\$54	\$123
Subtotal EDC Implementation Costs	\$17	-\$61	\$713
EDC Evaluation Costs	\$6	\$16	\$128
SWE Audit Costs	\$0	\$0	\$194
Total EDC Costs	-\$257	-\$317	\$15,951
Participant Costs	\$0	\$0	\$0
Total TRC Costs			
Notes:			
¹ Includes cost of EE Expert			
² Costs paid to Conservation Service Providers (CSPs) for program implementation. To define in the TRC Technical Working Group.			
³ Costs incurred to manage the CSPs and programs. To define in the TRC Technical Working Group.			
⁴ Includes umbrella marketing costs for programs. Marketing completed by the CSPs are included in Administration.			
⁵ Includes costs for Tracking and Reporting System			

Table 4-3. Summary of Program Finances – Residential Home Energy Audits and Outreach

	IQ (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$1,893	\$3,845	\$10,204
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$1,893	\$3,845	\$10,204
			\$0
Design & Development ¹	\$8	\$11	\$75
Administration ²	-\$235	-\$472	\$583
Management ³	\$48	\$93	\$358
Marketing ⁴	\$0	\$8	\$186
Technical Assistance ⁵	\$22	\$52	\$280
Subtotal EDC Implementation Costs	-\$157	-\$308	\$1,482
EDC Evaluation Costs	\$39	\$70	\$217
SWE Audit Costs	\$0	\$28	\$131
Total EDC Costs	\$1,775	\$3,635	\$12,035
Participant Costs	\$0	\$0	\$0
Total TRC Costs			
Notes:			
¹ Includes cost of EE Expert			
² Costs paid to Conservation Service Providers (CSPs) for program implementation. To define in the TRC Technical Working Group.			
³ Costs incurred to manage the CSPs and programs. To define in the TRC Technical Working Group.			
⁴ Includes umbrella marketing costs for programs. Marketing completed by the CSPs are included in Administration.			
⁵ Includes costs for Tracking and Reporting System			

Table 4-4. Summary of Program Finances – Residential Appliance Turn-In

	IQ (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$71	\$157	\$1,084
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$71	\$157	\$1,084
			\$0
Design & Development ¹	\$3	\$3	\$46
Administration ²	\$154	\$154	\$2,262
Management ³	\$14	\$217	\$364
Marketing ⁴	\$0	\$3	\$41
Technical Assistance ⁵	\$2	\$4	\$30
Subtotal EDC Implementation Costs	\$172	\$380	\$2,742
EDC Evaluation Costs	\$9	\$20	\$110
SWE Audit Costs	\$0	\$9	\$73
Total EDC Costs	\$251	\$566	\$4,010
Participant Costs	\$0	\$0	\$0
Total TRC Costs			
Notes:			
¹ Includes cost of EE Expert			
² Costs paid to Conservation Service Providers (CSPs) for program implementation. To define in the TRC Technical Working Group.			
³ Costs incurred to manage the CSPs and programs. To define in the TRC Technical Working Group.			
⁴ Includes umbrella marketing costs for programs. Marketing completed by the CSPs are included in Administration.			
⁵ Includes costs for Tracking and Reporting System			

Table 4-5. Summary of Program Finances – Residential Energy Efficient HVAC

	IQ (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$148	\$353	\$2,752
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$148	\$353	\$2,752
			\$0
Design & Development ¹	\$5	\$6	\$31
Administration ²	\$21	\$146	\$1,100
Management ³	\$24	\$69	\$228
Marketing ⁴	\$0	\$4	\$152
Technical Assistance ⁵	\$3	\$7	\$27
Subtotal EDC Implementation Costs	\$53	\$233	\$1,538
EDC Evaluation Costs	\$14	\$27	\$103
SWE Audit Costs	\$0	\$15	\$72
Total EDC Costs	\$215	\$628	\$4,464
Participant Costs	\$0	\$0	\$0
Total TRC Costs			
Notes:			
¹ Includes cost of EE Expert			
² Costs paid to Conservation Service Providers (CSPs) for program implementation. To define in the TRC Technical Working Group.			
³ Costs incurred to manage the CSPs and programs. To define in the TRC Technical Working Group.			
⁴ Includes umbrella marketing costs for programs. Marketing completed by the CSPs are included in Administration.			
⁵ Includes costs for Tracking and Reporting System			

Table 4-6. Summary of Program Finances – Residential Energy Efficient Products

	IQ (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$386	\$670	\$4,253
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$386	\$670	\$4,253
			\$0
Design & Development ¹	\$7	\$9	\$40
Administration ²	\$1,988	\$2,308	\$4,636
Management ³	\$37	\$65	\$253
Marketing ⁴	\$0	\$7	\$346
Technical Assistance ⁵	\$5	\$10	\$37
Subtotal EDC Implementation Costs	\$2,037	\$2,400	\$5,311
EDC Evaluation Costs	\$30	\$52	\$145
SWE Audit Costs	\$0	\$24	\$100
Total EDC Costs	\$2,453	\$3,145	\$9,809
Participant Costs	\$0	\$0	\$0
Total TRC Costs			
Notes:			
¹ Includes cost of EE Expert			
² Costs paid to Conservation Service Providers (CSPs) for program implementation. To define in the TRC Technical Working Group.			
³ Costs incurred to manage the CSPs and programs. To define in the TRC Technical Working Group.			
⁴ Includes umbrella marketing costs for programs. Marketing completed by the CSPs are included in Administration.			
⁵ Includes costs for Tracking and Reporting System			

Table 4-7. Summary of Program Finances – Residential New Construction

	IQ (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$31	\$75	\$850
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$31	\$75	\$850
			\$0
Design & Development ¹	\$2	\$2	\$47
Administration ²	\$113	\$218	\$1,329
Management ³	\$10	\$17	\$203
Marketing ⁴	\$0	\$2	\$53
Technical Assistance ⁵	\$1	\$3	\$39
Subtotal EDC Implementation Costs	\$126	\$242	\$1,671
EDC Evaluation Costs	\$24	\$37	\$90
SWE Audit Costs	\$0	\$6	\$87
Total EDC Costs	\$181	\$361	\$2,697
Participant Costs	\$0	\$0	\$0
Total TRC Costs			
Notes:			
¹ Includes cost of EE Expert			
² Costs paid to Conservation Service Providers (CSPs) for program implementation. To define in the TRC Technical Working Group.			
³ Costs incurred to manage the CSPs and programs. To define in the TRC Technical Working Group.			
⁴ Includes umbrella marketing costs for programs. Marketing completed by the CSPs are included in Administration.			
⁵ Includes costs for Tracking and Reporting System			

Table 4-8. Summary of Program Finances – Residential Behavioral Modification and Education

	IQ (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$0	\$0	\$0
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$0	\$0	\$0
			\$0
Design & Development ¹	\$5	\$6	\$6
Administration ²	\$111	\$222	\$1,323
Management ³	\$25	\$43	\$43
Marketing ⁴	\$0	\$5	\$5
Technical Assistance ⁵	\$3	\$7	\$7
Subtotal EDC Implementation Costs	\$144	\$283	\$1,384
EDC Evaluation Costs	\$12	\$20	\$20
SWE Audit Costs	\$0	\$16	\$16
Total EDC Costs	\$155	\$319	\$1,420
Participant Costs	\$0	\$0	\$0
Total TRC Costs			
Notes:			
¹ Includes cost of EE Expert			
² Costs paid to Conservation Service Providers (CSPs) for program implementation. To define in the TRC Technical Working Group.			
³ Costs incurred to manage the CSPs and programs. To define in the TRC Technical Working Group.			
⁴ Includes umbrella marketing costs for programs. Marketing completed by the CSPs are included in Administration.			
⁵ Includes costs for Tracking and Reporting System			

Table 4-9. Summary of Program Finances – Residential Multiple Family

	IQ (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$2	\$15	\$261
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$2	\$15	\$261
			\$0
Design & Development ¹	\$0	\$0	\$2
Administration ²	\$2	\$2	\$122
Management ³	\$1	\$2	\$10
Marketing ⁴	\$0	\$0	\$2
Technical Assistance ⁵	\$0	\$0	\$2
Subtotal EDC Implementation Costs	\$3	\$4	\$138
EDC Evaluation Costs	\$0	\$1	\$24
SWE Audit Costs	\$0	\$1	\$4
Total EDC Costs	\$5	\$20	\$427
Participant Costs	\$0	\$0	\$0
Total TRC Costs			
Notes:			
¹ Includes cost of EE Expert			
² Costs paid to Conservation Service Providers (CSPs) for program implementation. To define in the TRC Technical Working Group.			
³ Costs incurred to manage the CSPs and programs. To define in the TRC Technical Working Group.			
⁴ Includes umbrella marketing costs for programs. Marketing completed by the CSPs are included in Administration.			
⁵ Includes costs for Tracking and Reporting System			

Table 4-10 Summary of Program Finances – Residential Low-Income (WARM)

	IQ (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$158	\$519	\$2,519
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$158	\$519	\$2,519
			\$0
Design & Development ¹	\$2	\$3	\$27
Administration ²	\$14	\$46	\$205
Management ³	\$30	\$57	\$254
Marketing ⁴	\$0	\$0	\$1
Technical Assistance ⁵	\$2	\$4	\$34
Subtotal EDC Implementation Costs	\$48	\$110	\$521
EDC Evaluation Costs	\$19	\$43	\$199
SWE Audit Costs	\$0	\$8	\$42
Total EDC Costs	\$225	\$679	\$3,280
Participant Costs	\$0	\$0	\$0
Total TRC Costs			
Notes:			
¹ Includes cost of EE Expert			
² Costs paid to Conservation Service Providers (CSPs) for program implementation. To define in the TRC Technical Working Group.			
³ Costs incurred to manage the CSPs and programs. To define in the TRC Technical Working Group.			
⁴ Includes umbrella marketing costs for programs. Marketing completed by the CSPs are included in Administration.			
⁵ Includes costs for Tracking and Reporting System			

Table 4-11. Summary of Program Finances – Commercial / Industrial Small Sector Equipment

	IQ (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$358	\$989	\$5,157
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$358	\$989	\$5,157
			\$0
Design & Development ¹	\$0	\$0	\$72
Administration ²	\$193	\$370	\$1,803
Management ³	\$42	\$89	\$317
Marketing ⁴	\$0	\$0	\$0
Technical Assistance ⁵	\$0	\$0	\$38
Subtotal EDC Implementation Costs	\$236	\$459	\$2,229
EDC Evaluation Costs	\$109	\$260	\$412
SWE Audit Costs	\$0	\$1	\$106
Total EDC Costs	\$702	\$1,708	\$7,904
Participant Costs	\$0	\$0	\$0
Total TRC Costs			
Notes:			
¹ Includes cost of EE Expert			
² Costs paid to Conservation Service Providers (CSPs) for program implementation. To define in the TRC Technical Working Group.			
³ Costs incurred to manage the CSPs and programs. To define in the TRC Technical Working Group.			
⁴ Includes umbrella marketing costs for programs. Marketing completed by the CSPs are included in Administration.			
⁵ Includes costs for Tracking and Reporting System			

Table 4-12. Summary of Program Finances – Commercial / Industrial PJM Demand Response

	IQ (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$395	\$2,198	\$2,578
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$395	\$2,198	\$2,578
			\$0
Design & Development ¹	\$0	\$0	\$5
Administration ²	\$0	\$2	\$2
Management ³	\$6	\$15	\$129
Marketing ⁴	\$0	\$0	\$0
Technical Assistance ⁵	\$1	\$3	\$23
Subtotal EDC Implementation Costs	\$8	\$20	\$159
EDC Evaluation Costs	\$11	\$20	\$54
SWE Audit Costs	\$0	\$0	\$74
Total EDC Costs	\$414	\$2,237	\$2,865
Participant Costs	\$0	\$0	\$0
Total TRC Costs			
Notes:			
¹ Includes cost of EE Expert			
² Costs paid to Conservation Service Providers (CSPs) for program implementation. To define in the TRC Technical Working Group.			
³ Costs incurred to manage the CSPs and programs. To define in the TRC Technical Working Group.			
⁴ Includes umbrella marketing costs for programs. Marketing completed by the CSPs are included in Administration.			
⁵ Includes costs for Tracking and Reporting System			

Table 4-13. Summary of Program Finances – Commercial / Industrial Large Sector Equipment

	IQ (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$391	\$1,062	\$4,929
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$391	\$1,062	\$4,929
			\$0
Design & Development ¹	\$0	\$0	\$45
Administration ²	\$57	\$105	\$798
Management ³	\$13	\$26	\$181
Marketing ⁴	\$0	\$0	\$0
Technical Assistance ⁵	\$0	\$0	\$17
Subtotal EDC Implementation Costs	\$70	\$132	\$1,042
EDC Evaluation Costs	-\$4	-\$19	\$468
SWE Audit Costs	\$0	\$1	\$49
Total EDC Costs	\$457	\$1,175	\$6,488
Participant Costs	\$0	\$0	\$0
Total TRC Costs			
Notes:			
¹ Includes cost of EE Expert			
² Costs paid to Conservation Service Providers (CSPs) for program implementation. To define in the TRC Technical Working Group.			
³ Costs incurred to manage the CSPs and programs. To define in the TRC Technical Working Group.			
⁴ Includes umbrella marketing costs for programs. Marketing completed by the CSPs are included in Administration.			
⁵ Includes costs for Tracking and Reporting System			

Table 4-14. Summary of Program Finances – Governmental / Non-Profit Street Lighting

	IQ (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$0	\$0	\$3,212
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$0	\$0	\$3,212
			\$0
Design & Development ¹	\$4	\$6	\$29
Administration ²	\$3	\$3	\$81
Management ³	\$13	\$25	\$101
Marketing ⁴	\$0	\$0	\$0
Technical Assistance ⁵	\$3	\$6	\$19
Subtotal EDC Implementation Costs	\$23	\$40	\$230
EDC Evaluation Costs	\$12	\$26	\$64
SWE Audit Costs	\$0	\$15	\$49
Total EDC Costs	\$35	\$80	\$3,555
Participant Costs	\$0	\$0	\$0
Total TRC Costs			
Notes:			
¹ Includes cost of EE Expert			
² Costs paid to Conservation Service Providers (CSPs) for program implementation. To define in the TRC Technical Working Group.			
³ Costs incurred to manage the CSPs and programs. To define in the TRC Technical Working Group.			
⁴ Includes umbrella marketing costs for programs. Marketing completed by the CSPs are included in Administration.			
⁵ Includes costs for Tracking and Reporting System			

Table 4-15. Summary of Program Finances – Governmental / Non-Profit

	IQ (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$0	\$6	\$150
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$0	\$6	\$150
			\$0
Design & Development ¹	\$7	\$9	\$11
Administration ²	\$10	\$16	\$108
Management ³	\$16	\$32	\$39
Marketing ⁴	\$0	\$0	\$0
Technical Assistance ⁵	\$4	\$10	\$11
Subtotal EDC Implementation Costs	\$37	\$66	\$168
EDC Evaluation Costs	\$11	\$22	\$24
SWE Audit Costs	\$0	\$23	\$26
Total EDC Costs	\$47	\$117	\$368
Participant Costs	\$0	\$0	\$0
Total TRC Costs			
Notes:			
¹ Includes cost of EE Expert			
² Costs paid to Conservation Service Providers (CSPs) for program implementation. To define in the TRC Technical Working Group.			
³ Costs incurred to manage the CSPs and programs. To define in the TRC Technical Working Group.			
⁴ Includes umbrella marketing costs for programs. Marketing completed by the CSPs are included in Administration.			
⁵ Includes costs for Tracking and Reporting System			

Table 4-16. Summary of Program Finances – Governmental / Remaining Non-Profit

	IQ (\$000)	PYTD (\$000)	CPITD (\$000)
EDC Incentives to Participants	\$391	\$486	\$2,013
EDC Incentives to Trade Allies	\$0	\$0	\$0
Subtotal EDC Incentive Costs	\$391	\$486	\$2,013
			\$0
Design & Development ¹	\$2	\$2	\$20
Administration ²	\$78	\$141	\$738
Management ³	\$6	\$11	\$83
Marketing ⁴	\$0	\$0	\$0
Technical Assistance ⁵	\$1	\$2	\$15
Subtotal EDC Implementation Costs	\$86	\$157	\$857
EDC Evaluation Costs	\$4	\$9	\$34
SWE Audit Costs	\$0	\$6	\$42
Total EDC Costs	\$481	\$658	\$2,945
Participant Costs	\$0	\$0	\$0
Total TRC Costs			
Notes:			
¹ Includes cost of EE Expert			
² Costs paid to Conservation Service Providers (CSPs) for program implementation. To define in the TRC Technical Working Group.			
³ Costs incurred to manage the CSPs and programs. To define in the TRC Technical Working Group.			
⁴ Includes umbrella marketing costs for programs. Marketing completed by the CSPs are included in Administration.			
⁵ Includes costs for Tracking and Reporting System			