Quarterly Report to the Pennsylvania Public Utility Commission

For the Period
March 1, 2013 through May 31, 2013
Program Year 4, Quarter 4

For Pennsylvania Act 129 of 2008
Energy Efficiency and Conservation Plan

Prepared by West Penn Power Company and ADM Associates, Inc.

For

West Penn Power Company
Docket No. M-2009-2093218

July 15, 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 Four 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 West Penn Power Company ("West Penn Power" or "Company") in the fourth quarter of Program Year Four (PY4) defined as March 1, 2013 through May 31, 2013, as well as the cumulative accomplishments of the programs since inception.

Based on preliminary results, West Penn Power successfully achieved the May 31, 2013 targets for Energy Efficiency and Peak Demand Reductions.

The results depicted in this fourth quarter report (Preliminary Annual Report) of Program Year Four (PY4) include all MWh/MW savings and associated dollars through May 31, 2013. However, additional program savings are still being processed for projects that were installed by May 31, 2013 and are not yet reflected in these preliminary results. These additional savings will be included in the final Annual Report to be filed November 15, 2013.

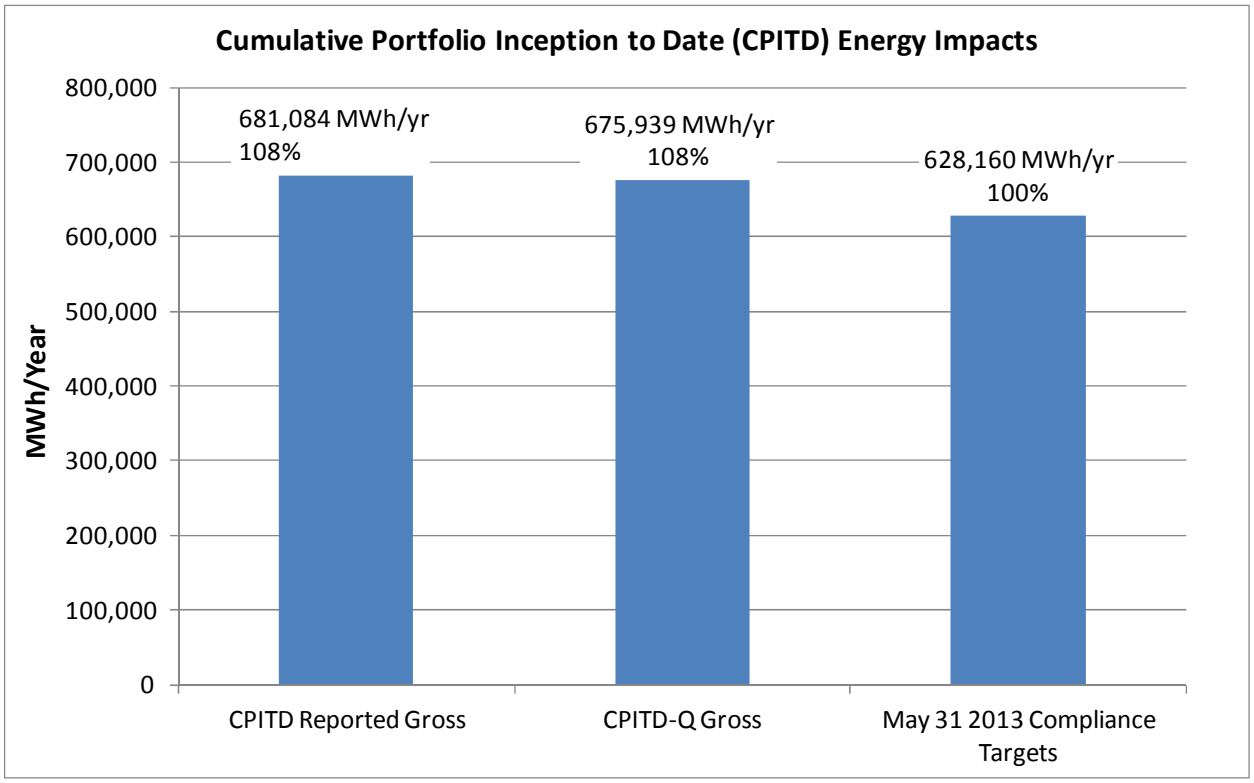
1.1 Summary of Achievements

West Penn Power has achieved 108 percent of the May 31, 2013 energy savings compliance target, based on cumulative program inception to date (CPITD) reported gross energy savings[1], and 108 percent of the energy savings compliance target, based on verified CPITD gross energy savings through Plan Year 3 and PYTD gross energy savings achieved through Quarter 4 (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.

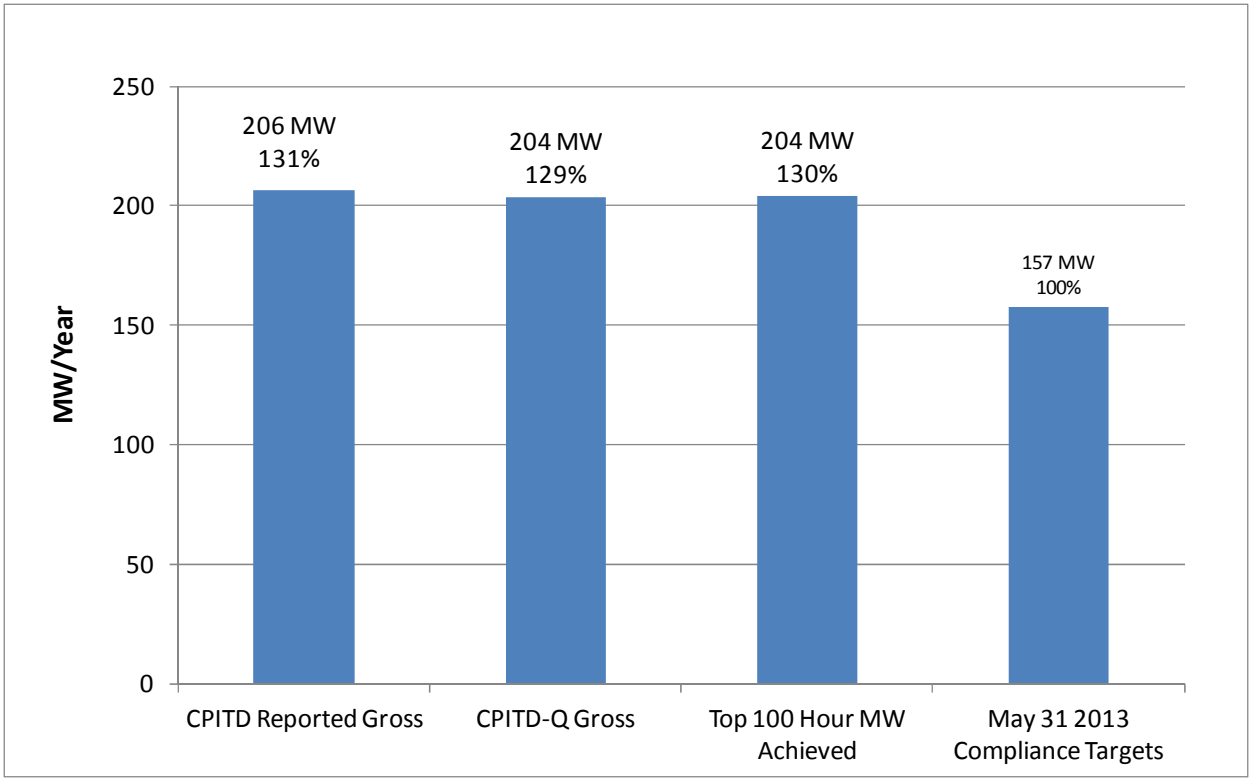
Figure 1-1 Cumulative Portfolio Inception to Date (CPITD) Energy Impacts



Based on preliminary results, West Penn Power has achieved 204 MW of load reductions during the Top 100 hours of 2012, representing 130 percent of the May 31, 2013 demand reduction compliance target as shown in **Figure 1-2**[3]. Please note that this includes contributions from energy efficiency programs and contributions from demand reduction programs operated during the summer of 2012. When including all measures installed to date, the Company achieved 204 MW of cumulative peak load reductions based on verified CPITD reported gross demand reductions through Plan Year 3 and PYTD gross demand reductions achieved through Quarter 4 (CPITD-Q).

[3] These figures include contributions from energy efficiency programs through PY4Q4, although the contributions from PY4 may change based on program realization rates and on a more refined accouting of measures operable prior to the top 100 hours. The peak demand reductions from all residential CFLs distributed CPITD has been updated to account for factors such as the alighnment of the CFL hourly savings profile with actual top 100 hours, additional savings from space cooling interactive effects, and CFLs from residential programs installed in nonresidential applications. The 'Top 100 Hour Achieved' figures include line loss factors calculated as functions of actual and reconstructed (for Act 129 "addbacks") loads for each hour.

Figure 1-2. CPITD Portfolio Demand Reduction[4]



There are 10 measures available to the low-income sector. The measures offered to the low-income sector therefore comprise 24 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 West Penn Power territory (10 percent).[5] The CPITD reported gross

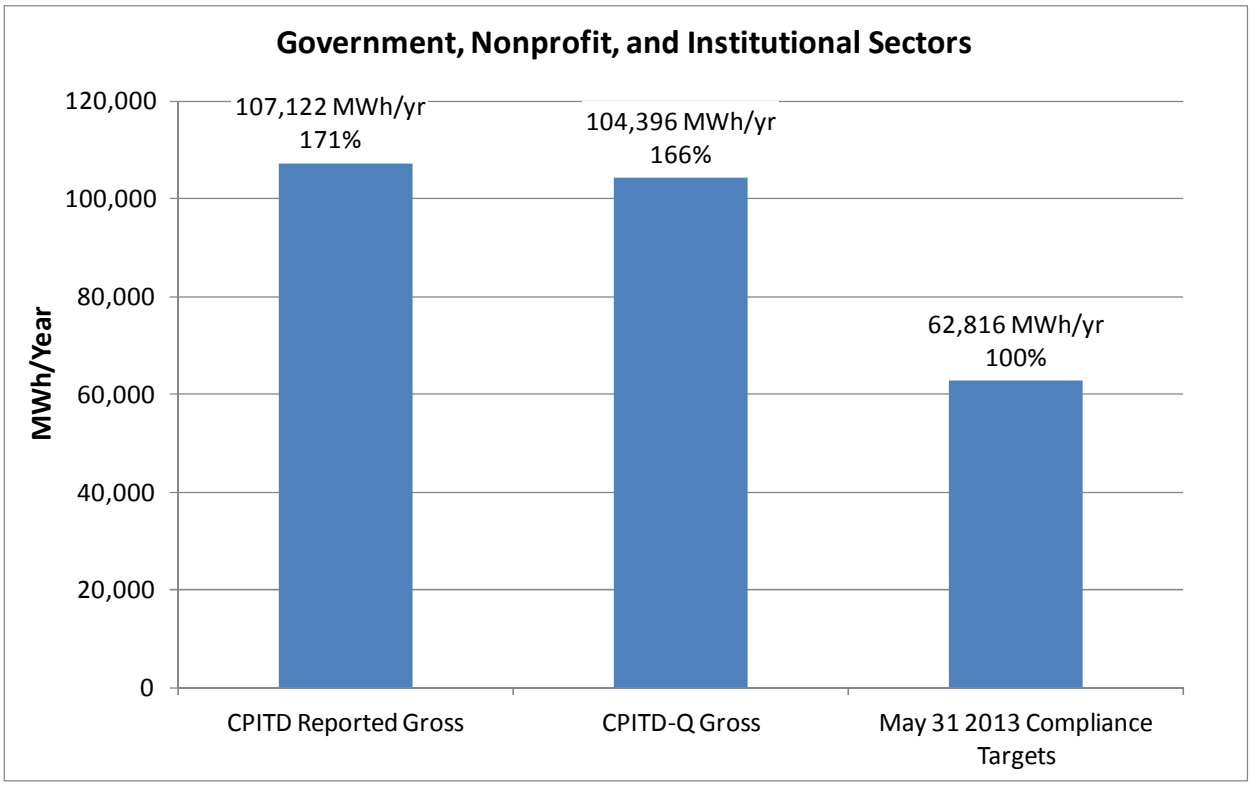
[4] CPITD reported and CPITD-Q numbers include impacts *at the meter level* for all programs through PY4Q4. The top 100 hour achieved MW reflect preliminary verified values achieved during the top 100 hours of the summer of 2012 (defined as June 1 through September 30, 2012), and include impacts of demand response programs, line losses, and impacts from EE measures installed prior to the top 100 hours. The peak demand reductions from all residential CFLs distributed CPITD has been updated to account for factors such as the alignment of the CFL hourly savings profile with actual top 100 hours, additional savings from space cooling interactive effects, and CFLs from residential programs installed in nonresidential applications.

[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).

energy savings achieved in the low-income sector is 69,139 MWh/yr; this is 10 percent of the CPITD total portfolio reported gross energy savings[6].

West Penn Power achieved 171 percent of the May 31, 2013, energy reduction compliance target for government, nonprofit and institutional sector, based on CPITD reported gross energy savings, and 166 percent of the target based on verified CPITD gross energy savings through Plan Year 3 and PYTD gross energy savings achieved through Quarter 4 (CPITD-Q)[7], as shown in **Figure 1-3**.

Figure 1-3 Government, Nonprofit, and Institutional Sectors



1.2 Program Updates and Findings

- **Critical Peak Rebate (CPR) Rate**: No changes to this program during PY4Q4.

[6] The Energy Savings achieved in the low-income sector in reports including and after 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.

[7] Reference footnote 2 on page 4.

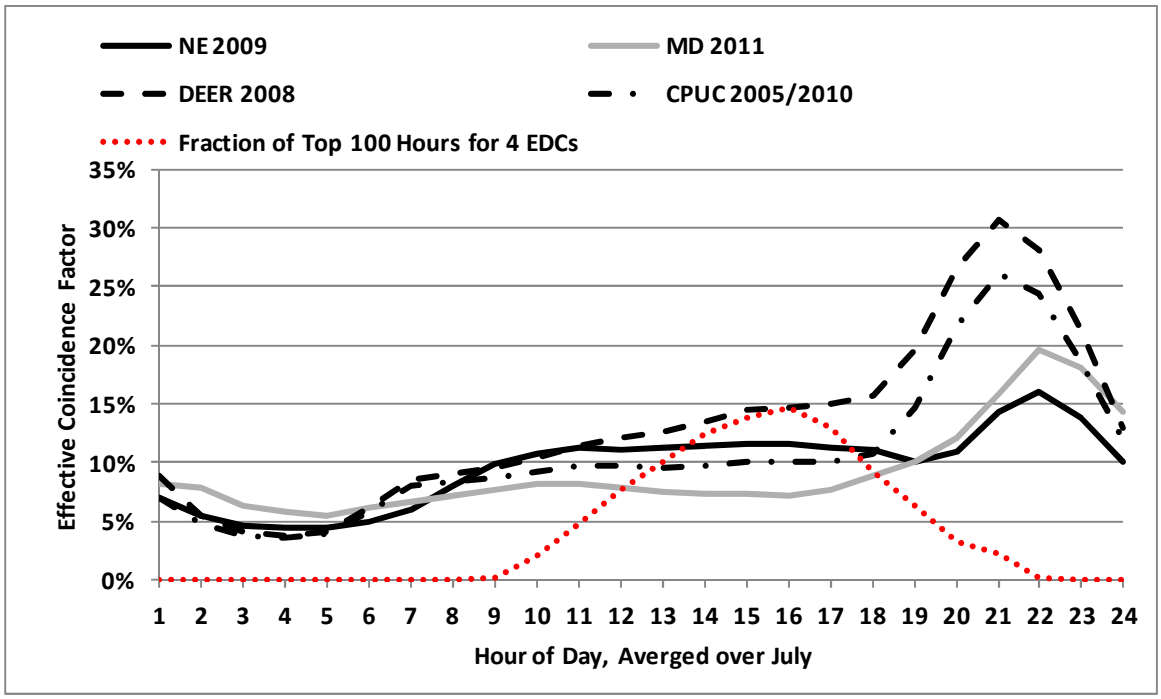
- **Residential Home Performance Program:** There are four components to this program: 1) online analyzer; 2) walk thru audits; 3) whole house audits; and, 4) behavior modification. As of this writing, the Behavior Modification Program CSP is compiling preliminary savings calculations. There was one slight change to the Walk Thru audit program; the $50 participation fee was waived beginning in October 2012 in an effort to boost participation and will continue through May 31, 2013.
- **Residential Appliance Turn-In Program:** No changes to this program during PY4Q4.
- **Residential Energy Efficiency HVAC Program:** No changes to this program during PY4Q4.
- **Residential Energy Efficient Products Program:** No changes to this program during PY4Q4.
- **Residential New Construction Program:** No changes to this program during PY4Q4.
- **Low Income Energy Efficient Program (LIEEP)**: No changes to this program during PY4Q4.
- **Joint Utility Usage Management Program:** WPP and the natural gas distribution company's within the Company's service territory regularly exchange scheduled work lists to provide comprehensive whole house measures for customers that qualify for both companies' programs. When a customer for both utilities cannot be scheduled at the same time, each utility will schedule a work time that is convenient for the customer. In addition, WPP began to realize savings results from the Low-Income, Low-Usage (LILU) mailing of energy efficiency kits that were completed in November 2012.
- **Commercial / Industrial Small Sector Equipment Program:** No changes to this program during PY4Q4. No changes during PY4Q4.
- **Commercial / Industrial Large Sector Performance Contracting / Equipment Program**: No changes to this program during PY4Q4. No changes during PY4Q4.
- **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 completed.
- **Distributed Generation:** This program was removed from West Penn's Plan under docket M-2009-2093218 approved by the Commission on June 14, 2012.
- **Time of Use (TOU) with Critical Peak Pricing (CPP) Rate**: No changes to this program during PY4Q4.
- **Governmental and Institutional Program:** No changes to this program during PY4Q4.
- **Conservation Voltage Reduction Program**: No changes to this program during the PY4Q4

1.3 Evaluation Updates and Findings

- **Portfolio Level CPITD CFL Top 100 hour Impacts Assessment**

ADM has updated the portfolio-level top 100 hour impacts with a preliminary assessment of the top-100 hour impacts from CFLs. The coincidence factor of 5% stipulated in the TRM is significantly lower than coincidence factors from recent and relevant CFL metering studies, as can be inferred from Figure 1-4. The 5% coincidence factor does not reflect the full peak demand reduction benefits of CFLs.

Figure 1-4 CFL hourly Savings profiles from recent studies.



ADM has developed an hourly energy savings profile that accounts for the following factors:

- An updated load shape for CFLs. The load shape in the solid black profile is chosen for this analysis because it results from the largest study (in terms of number of homes metered and number of lighting loggers deployed) in a geographically comparable region. ADM has also constructed a separate load shape for CFLs that are installed outdoors. The fraction of CFLs installed outdoors is taken from the PA Residential baseline study conducted by the SWE team.
- Cooling interactive effects are carefully developed based on data regarding CFL installation areas and heating/cooling system types and prevalence. All data are taken from the PA Residential baseline study conducted by the SWE team.
- The coincidence factors also account for "cross-sector" sales. ADM is using a preliminary estimate of 4% cross over from the residential to the nonresidential sector. The 4% value will be updated with in-store intercept interview results.

- **Residential Appliance Turn-In Program**

The evaluation methodology for this program is unchanged from PY3. Preliminary realization rates have been constructed from information gained from the evaluation effort conducted for PY3. These will be updated as PY4 evaluation survey results become available.

Table 1.3.1 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.
Freezer		
Room air conditioner		

- **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 1.3.2 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. A careful treatment of CFL impacts in the top 100 hours is underway, with preliminary results included in this report.
CFL Giveaways	Invoice + calculation review	
Appliances	Invoice + calculation review On-Site inspection	

- **Residential Energy Efficient HVAC Equipment Program**

The sampling scheme for this program includes four qualitative strata. Evaluation activities for the strata are listed below. Preliminary realization rates are based on information gained from the PY3 evaluation. These will be updated as PY4 evaluation results become available.

Table 1.3.3 Residential Energy Efficient HVAC Equipment Program Evaluation Summary

Program Component	Evaluation Activities Planned	Evaluation Activities Status
Air Source Heat Pump	Invoice + calculation review On-Site inspection	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 On-Site inspection	
Central Air Conditioning	Invoice + calculation review On-Site inspection	
HVAC tune-ups	Invoice + calculation review, and telephone verification surveys	

- **Residential Home Performance Program**

The Residential Home Performance Program assists households in identifying energy savings opportunities through self-administered and professional walk-through home audits and providing customers with CFLs and other low cost energy savings measures. The program promotes CFL giveaways through several CFL promotional channels, including Opt-in, Smart Meter and School Kits. The program also includes a behavioral modification and education component designed to provide customers with information about their energy usage and low cost ways they can reduce usage.

Table 1.3.4 Residential Home Performance Program Evaluation Summary

Program Component	Evaluation Activities Planned	Evaluation Activities Status
Conservation Kits	Survey representative sample of participants	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 preliminary desk reviews.
Behavior Modification	Billing Analysis	M&V plans are completed and initial data requests have been made by the M&V team.

Critical Peak Rebate (CPR) Rate

Impact evaluation for this program is complete on a preliminary basis. The program achieved 13.0 MW demand reduction averaged over the top 100 hours, compared to a goal of 8.5 MW.

- **Limited Income Energy Efficient Program (LIEEP)**

This program is separated into two strata for evaluation purposes. Evaluation activities are similar for the two strata and are described in the table below.

Table 1.3.5 Joint Utility Usage Management Program Evaluation Summary

Program Component	Evaluation Activities Planned	Evaluation Activities Status
In-home services	Invoice + calculation review and telephone verification surveys	ADM has conducted preliminary desk reviews. Sample will be drawn shortly after PY2Q2 report is filed.
Conservation Kits	Invoice + calculation review and telephone verification surveys	ADM has conducted preliminary desk reviews. Sample will be drawn shortly after PY2Q2 report is filed.

- **Joint Utility Usage Management Program**

This program is separated into two strata for evaluation purposes. Evaluation activities are similar for the two strata and are described in the table below.

Table 1.3.6 Joint Utility Usage Management Program Evaluation Summary

Program Component	Evaluation Activities Planned	Evaluation Activities Status
JUUMP Comprehensive Audits	Study feasibility of billing analysis and conduct billing analysis for PY4 if practicable.	ADM has conducted preliminary tracking data reviews.
Conservation Kits	Invoice + calculation review and telephone verification surveys	ADM has conducted preliminary tracking data reviews.

- **Commercial & Industrial Equipment Program – Small**

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 1.3.6 Commercial & Industrial Equipment Program Evaluation Summary

Program Component	Evaluation Activities Planned	Evaluation Activities Status
"Lighting for Business" Applications	Stratified sampling and on-site visits	Samples through PY4Q4 are drawn and on-site work is expected to continue through September 2013.
HVAC and Prescriptive Motors	Sample for first 2 quarters, then for each subsequent quarter. Conduct on-sites and analyses as required.	Samples through PY4Q4 are drawn and on-site work is expected to continue through September 2013.
Custom	Sample for first 2 quarters, then for each subsequent quarter. Conduct on-sites and analyses as required.	All large (above 1 GWh) custom projects have been sampled with certainty and evaluated 2013.

- **Time of Use (TOU) with Critical Peak Pricing (CPP) Rate**

This program had no participation; no impact evaluation will be performed.

- **Commercial & Industrial Equipment Program – Large**

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 1.3.7 Commercial & Industrial Equipment Program Evaluation Summary

Program Component	Evaluation Activities Planned	Evaluation Activities Status
"Lighting for Business" Applications	Stratified sampling and on-site visits	Samples through PY4Q4 are drawn and on-site work is expected to continue through September.
Prescriptive HVAC, Motor, and Refrigeration Applications	Stratified sampling and on-site visits	Samples through PY4Q4 are drawn and on-site work is expected to continue through September.
Custom Applications	Stratified sampling and on-site visits	All large (above 1 GWh) custom projects have been sampled with certainty and evaluated.

- **Customer Load Response**

Impact evaluation for this program is complete on a preliminary basis[8]. The evaluation effort involved stratified sampling and inspection of the hourly demand reduction calculations for selected projects. Projects that have base load estimation protocols accepted by and registered by PJM are evaluated on the basis of those protocols. Projects that do not have PJM registrations are evaluated independently, though with protocols that are similar to or derivative of the PJM base load estimation protocols.

[8] Site-level hourly impacts verified on a preliminary basis are undergoing final quality assurance checks for a stratified sample of projects to meet ±15% relative precision at the 85% confidence level. However the top 100 hour definitions and the hourly line loss factors may change based on the additional contributions from energy efficiency projects that are not yet evaluated.

- **Customer Resources Demand Response Program**

Impact evaluation for this program is complete on a preliminary basis[9]. The evaluation effort involved stratified sampling and inspection of the hourly demand reduction calculations for selected projects. Projects that have base load estimation protocols accepted by and registered by PJM are evaluated on the basis of those protocols. Projects that do not have PJM registrations are evaluated with protocols that are identical to or similar to the PJM base load estimation protocols.

- **Distributed Generation**

This program had no participation; no impact evaluation will be performed.

- **Conservation Voltage Reduction Program**

The CVR program incorporates voltage regulation techniques on select distribution circuits that result in lower service voltage levels and, thus, lower the energy consumption and demand of customers. Three sets of retrofit isolation tests are planned: One in Winter 2013, one in Spring 2013, and one in Summer 2013.

- **Governmental & Institutional Program**

This program provides prescriptive and performance based incentives for the installation of cost effective energy efficient non-standard equipment through an authorized contractor network and traditional channels. The evaluation approach for this program is similar to the one employed for the other nonresidential energy efficiency programs.

[9] Site-level hourly impacts verified on a preliminary basis are undergoing final quality assurance checks for a stratified sample of projects to meet ±15% relative precision at the 85% confidence level. However the top 100 hour definitions and the hourly line loss factors may change based on the additional contributions from energy efficiency projects that are not yet evaluated.

Table 1.3.8 Governmental & Institutional Program Evaluation Summary

Program Component	Evaluation Activities Planned	Evaluation Activities Status
Lighting	Stratified sampling and on-site visits	On site verifications are expected to continue through September 2013.
Street Lighting	Stratified sampling and on-site visits	On site verifications are expected to continue through September 2013.
Traffic Signals	Stratified sampling and on-site visits	On site verifications are expected to continue through September 2013.

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

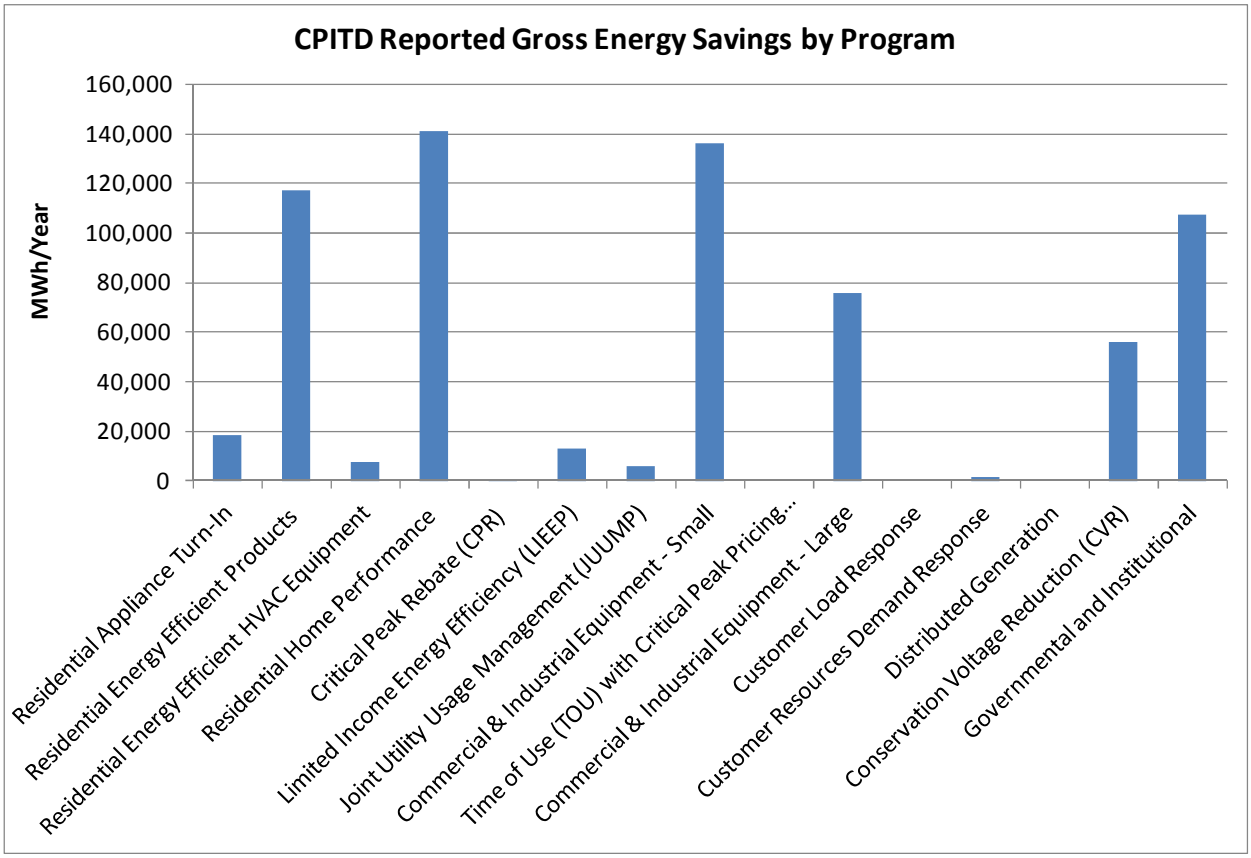
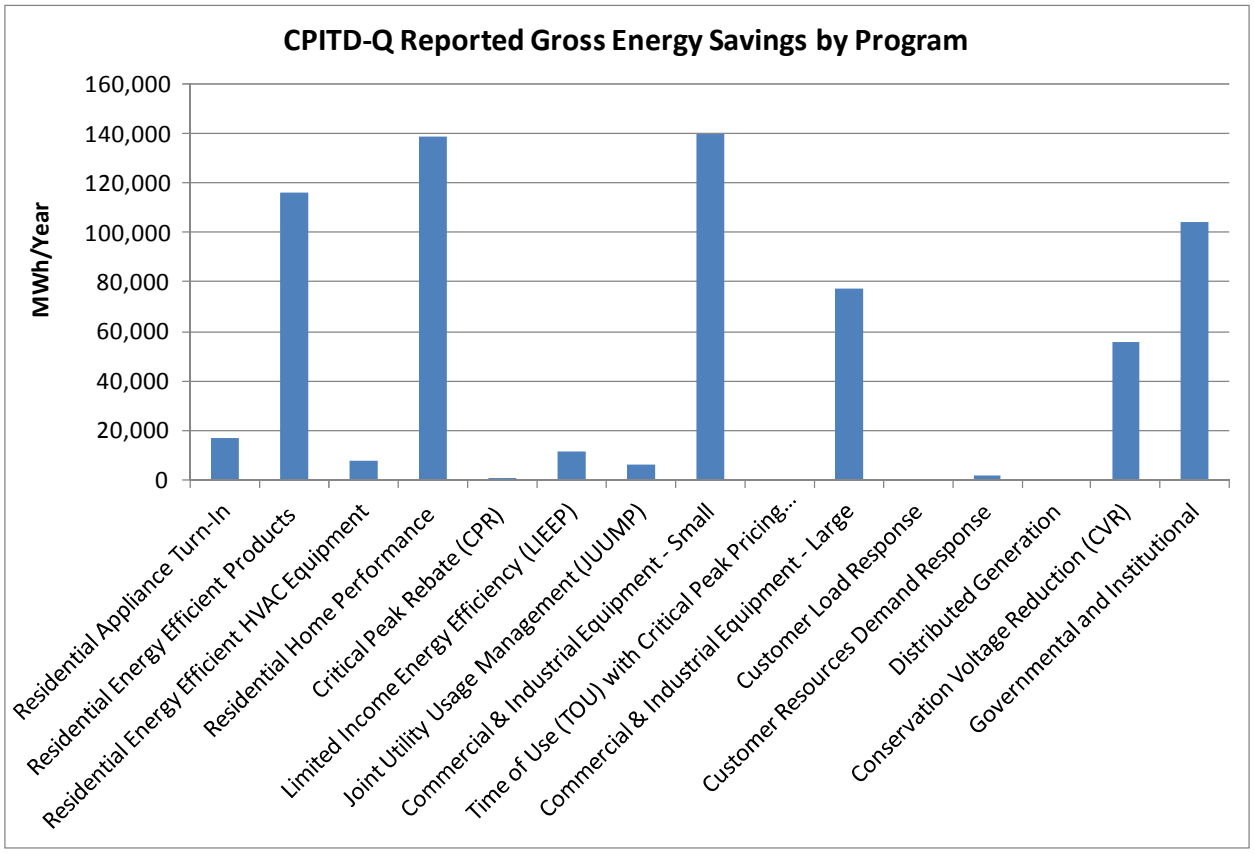


Figure 2-2. CPITD-Q Reported Gross Energy Savings by Program



A summary of energy impacts by program through PY4Q4 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
Residential Appliance Turn-In	915	5,217	11,233	1,612	9,251	18,646	17,036	77.9%
Residential Energy Efficient Products	98,234	271,895	597,851	17,770	48,243	117,243	115,946	86.5%
Residential Energy Efficient HVAC Equipment	1,177	10,440	13,913	662	4,193	7,428	7,672	96.6%
Residential Home Performance[2]	2,731	189,170	561,647	10,578	23,500	141,029	138,651	92.1%
Critical Peak Rebate (CPR)	0	23,974	23,974	0	620	620	620	n/a
Limited Income Energy Efficiency (LIEEP)	0	424	10,702	0	522	13,149	11,490	100.0%
Joint Utility Usage Management (JUUMP)	0	4,396	8,708	0	2,362	6,045	5,977	98.9%
Commercial & Industrial Equipment – Small	326	11,527	37,677	27,730	61,973	136,376	139,655	95.0%
Time of Use (TOU) with Critical Peak Pricing (CPP)	0	0	0	0	0	0	0	n/a
Commercial & Industrial Equipment - Large	48	135	184	17,254	51,390	75,951	77,022	95.0%
Customer Load Response	0	0	0	0	0	0	0	n/a
Customer Resources Demand Response	0	155	155	0	1,567	1,567	1,567	n/a
Distributed Generation	0	0	0	0	0	0	0	n/a
Conservation Voltage Reduction (CVR)[3]	0	0	0	0	55,907	55,907	55,907	95.0%
Governmental and Institutional	97	215	1,279	13,836	22,173	107,122	104,396	1
TOTAL PORTFOLIO	**103,528**	**517,548**	**1,267,323**	**89,440**	**281,701**	**681,084**	**675,939**	**n/a**

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.
2. Residential Home Performance participation includes 175,000 participants for Behavior Modification measure. No savings results were reported to date.
3. Conservation Voltage Reduction reported energy savings is based on preliminary engineering assessment.

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.

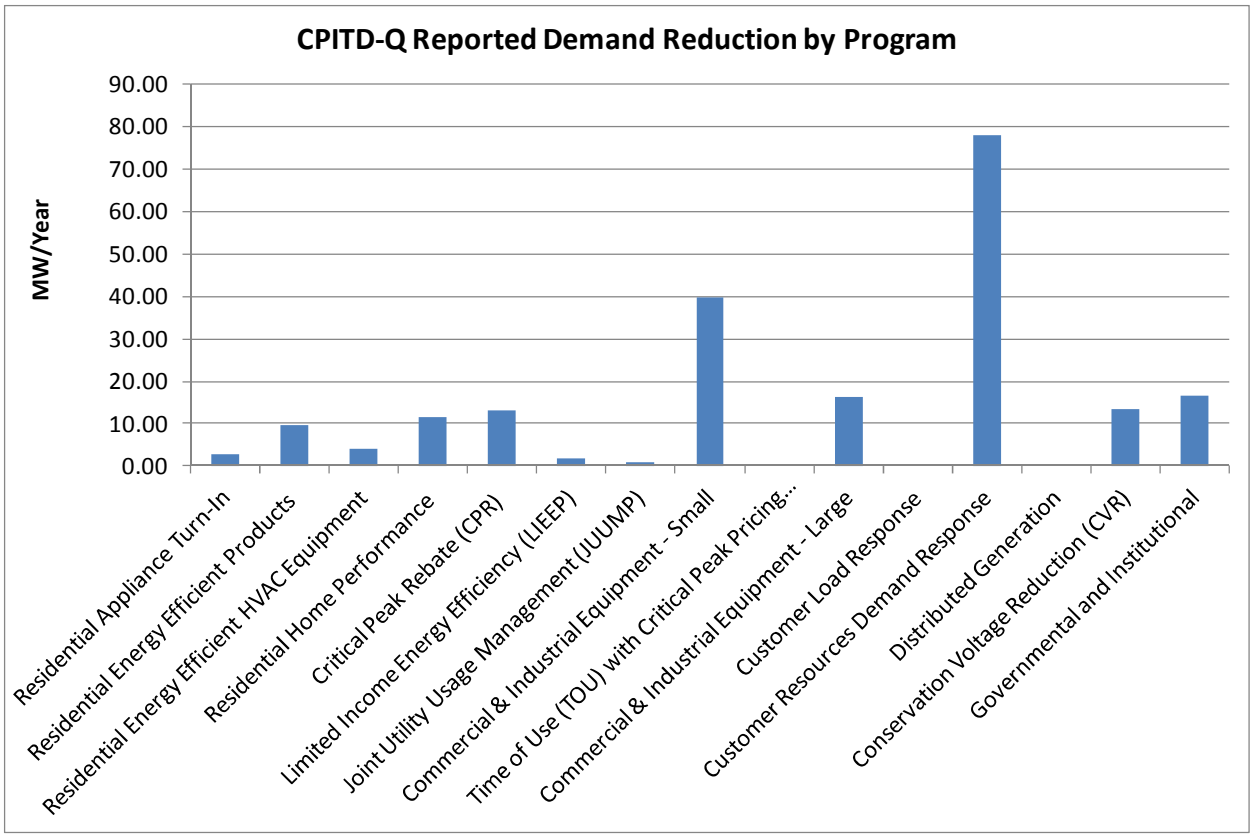
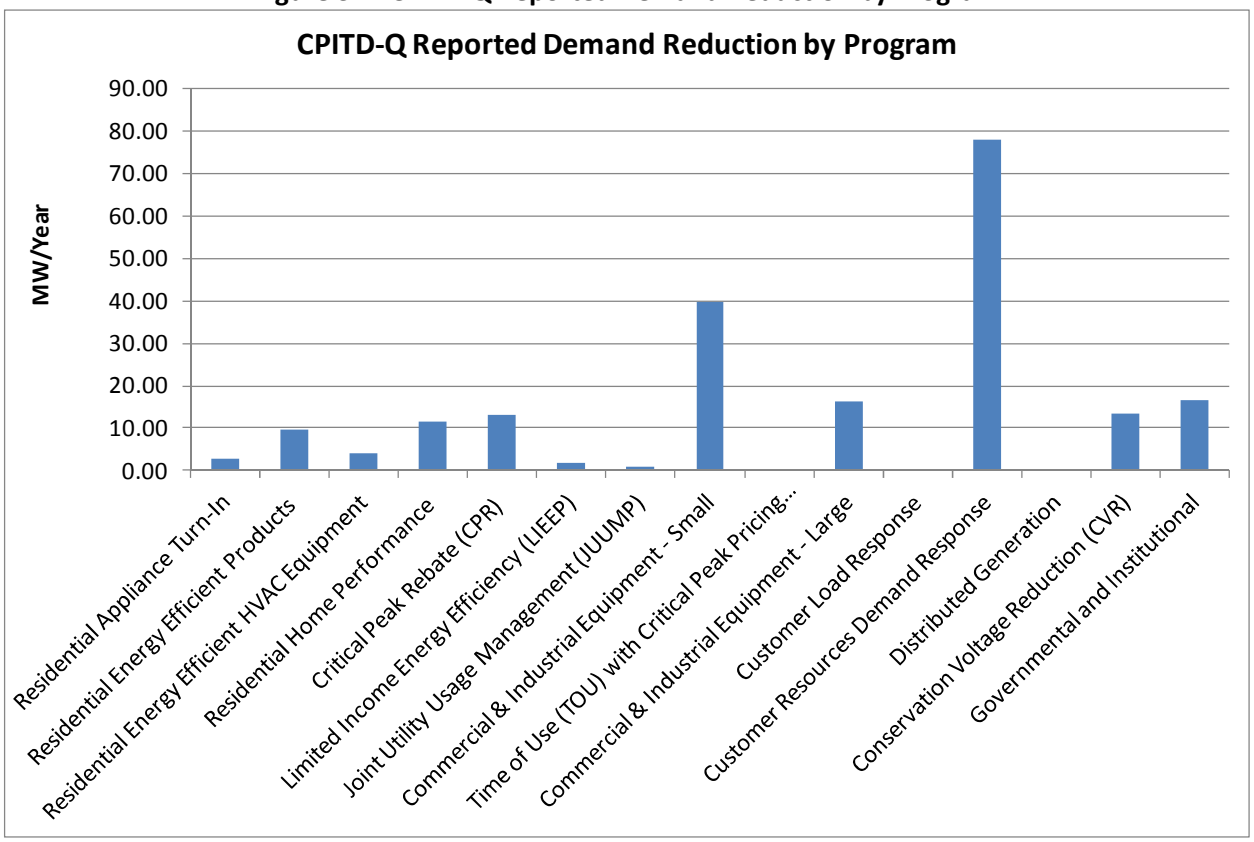


Figure 3-2. CPITD-Q Reported Demand Reduction by Program



A summary of demand reduction impacts by program through PY4Q4 is presented in **Table 3-1**[10].

[10] CPITD reported and CPITD-Q numbers include line losses and impacts for all programs through PY4Q4. CPITD-Q numbers and PY4 Realization rates reflect an updated coincidence factor for CFLs.

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

Program	Participants			Reported Gross Impact (MW/Year)				Preliminary Realization Rate[1]
	IQ	PYTD	CPITD	IQ	PYTD	CPITD	CPITD-Q	PYTD
Residential Appliance Turn-In	915	5,217	11,233	0.23	1.29	2.99	2.79	80.3%
Residential Energy Efficient Products	98,234	271,895	597,851	0.87	2.41	8.24	9.81	150.3%
Residential Energy Efficient HVAC Equipment	1,177	10,440	13,913	0.33	2.93	4.12	4.03	76.5%
Residential Home Performance[2]	2,731	189,170	561,647	1.12	2.28	7.74	11.65	206.3%
Critical Peak Rebate (CPR)	0	23,974	23,974	0.00	12.99	12.99	12.99	n/a
Limited Income Energy Efficiency (LIEEP)	0	424	10,702	0.00	0.06	2.25	1.69	100.0%
Joint Utility Usage Management (JUUMP)	0	4,396	8,708	0.00	0.39	0.92	0.93	98.5%
Commercial & Industrial Equipment - Small	326	11,527	37,677	17.57	25.36	45.92	39.66	95.0%
Time of Use (TOU) with Critical Peak Pricing (CPP)	0	0	0	0.00	0.00	0.00	0.00	n/a
Commercial & Industrial Equipment - Large	48	135	184	7.48	11.73	15.98	16.13	95.0%
Customer Load Response	0	0	0	0.00	0.00	0.00	0.00	n/a
Customer Resources Demand Response	0	155	155	0.00	77.84	77.84	77.84	100.0%
Distributed Generation	0	0	0	0.00	0.00	0.00	0.00	n/a
Conservation Voltage Reduction (CVR)[3]	0	0	0	0.00	13.30	13.30	13.30	95.0%
Governmental and Institutional	97	215	1,279	2.60	3.56	18.11	16.66	95.0%
TOTAL PORTFOLIO	**103,528**	**517,548**	**1,267,323**	**30.20**	**154.14**	**210.40**	**207.48**	**n/a**

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.
2. Residential Home Performance participation includes 175,000 participants for Behavior Modification measure. No savings results were reported to date.
3. Conservation Voltage Reduction reported demand savings is based on preliminary engineering assessment.

4 Summary of Finances

4.1 Portfolio Level Expenditures

A breakdown of the portfolio finances is presented in **Error! Reference source not found.**.

Table 4-1. Summary of Portfolio Finances

	IQ ($000)	PYTD ($000)	CPITD ($000)
EDC Incentives to Participants	$ 5,088	$ 19,870	$ 44,142
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	$ 5,088	$ 19,870	$ 43,991
Design & Development		$ 5	$ 1,792
Administration	$ 141	$ 1,298	$ 4,849
Management[1]			
Marketing	$ 755	$ 1,744	$ 6,828
Technical Assistance[2]	$ 2,420	$ 6,624	$ 16,869
Subtotal EDC Implementation Costs	$ 3,316	$ 9,671	$ 30,338
EDC Evaluation Costs	$ 157	$ 532	$ 2,048
SWE Audit Costs		$ 310[3]	$ 2,304
Total EDC Costs	$ 8,561	$ 30,384	$ 78,682
Participant Costs			
Total TRC Costs			

Notes:

[1]EDC costs other than those identified explicitly.

[2]Implementation Contractor Costs.

[3]SWE Audit Costs from PY4 Q1 included in PYTD.

4.2 Program Level Expenditures

Program-specific finances are shown in the following tables.

Table 4-2. Summary of Program Finances – Residential Appliance Turn-In Program

	IQ ($000)	PYTD ($000)	CPITD ($000)
EDC Incentives to Participants	$ 51	$ 247	$ 663
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	$ 51	$ 247	$ 663
Design & Development	$ 0	$ 0	$ 1
Administration	$ 1	$ 10	$ 138
Management[1]			
Marketing	$ 25	$ 105	$ 935
Technical Assistance[2]	$ 87	$ 411	$ 1,354
Subtotal EDC Implementation Costs	$ 114	$ 526	$ 2,428
EDC Evaluation Costs	$ 9	$ 21	$ 105
SWE Audit Costs			
Total EDC Costs	$ 174	$ 793	$ 3,196
Participant Costs			
Total TRC Costs			
Notes:			
[1]EDC costs other than those identified explicitly.			
[2]Implementation Contractor Costs.			

Table 4-3. Summary of Program Finances – Residential Energy Efficient Products Program

	IQ ($000)	PYTD ($000)	CPITD ($000)
EDC Incentives to Participants	$ 433	$ 1,050	$ 4,419
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	$ 433	$ 1,050	$ 4,419
Design & Development	$ 1	$ 1	$ 266
Administration	$ 16	$ 187	$ 560
Management[1]			
Marketing	$ 125	$ 231	$ 2,375
Technical Assistance[2]	$ 348	$ 1,800	$ 2,656
Subtotal EDC Implementation Costs	$ 490	$ 2,219	$ 5,857
EDC Evaluation Costs	$ 20	$ 54	$ 346
SWE Audit Costs			
Total EDC Costs	$ 943	$ 3,324	$ 10,622
Participant Costs			
Total TRC Costs			

Notes:

[1]EDC costs other than those identified explicitly.

[2]Implementation Contractor Costs.

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

	IQ ($000)	PYTD ($000)	CPITD ($000)
EDC Incentives to Participants	$ 152	$ 919	$ 1,550
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	$ 152	$ 919	$ 1,550
Design & Development	$ 0	$ 0	$ 123
Administration	$ 5	$ 50	$ 183
Management[1]			
Marketing	$ 44	$ 242	$ 442
Technical Assistance[2]	$ 46	$ 29	$ 287
Subtotal EDC Implementation Costs	$ 95	$ 321	$ 1,035
EDC Evaluation Costs	$ 2	$ 22	$ 121
SWE Audit Costs			
Total EDC Costs	$ 249	$ 1,263	$ 2,707
Participant Costs			
Total TRC Costs			

Notes:

[1]EDC costs other than those identified explicitly.

[2]Implementation Contractor Costs.

Table 4-5. Summary of Program Finances – Residential Home Performance Program

	IQ ($000)	PYTD ($000)	CPITD ($000)
EDC Incentives to Participants	$ 467	$ 863	$ 6,608
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	$ 467	$ 863	$ 6,608
Design & Development	$ 1	$ 1	$ 136
Administration	$ 21	$ 185	$ 414
Management[1]			
Marketing	$ 60	$ 301	$ 1,148
Technical Assistance[2]	$ 297	$ (642)	$ 3,337
Subtotal EDC Implementation Costs	$ 379	$ (155)	$ 5,036
EDC Evaluation Costs	$ 25	$ 40	$ 194
SWE Audit Costs			
Total EDC Costs	$ 871	$ 748	$ 11,838
Participant Costs			
Total TRC Costs			
Notes:			
[1]EDC costs other than those identified explicitly.			
[2]Implementation Contractor Costs.			

Table 4-6. Summary of Program Finances – Critical Peak Rebate (CPR) Rate

	IQ ($000)	PYTD ($000)	CPITD ($000)
EDC Incentives to Participants		$ 513	$ 513
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs		$ 513	$ 513
Design & Development	$ 0	$ 0	$ 6
Administration	$ 2	$ 23	$ 94
Management[1]			
Marketing	$ 0	$ 1	$ 180
Technical Assistance[2]	$ 12	$ 100	$ 132
Subtotal EDC Implementation Costs	$ 15	$ 123	$ 412
EDC Evaluation Costs	$ 24	$ 51	$ 68
SWE Audit Costs			
Total EDC Costs	$ 39	$ 687	$ 994
Participant Costs			
Total TRC Costs			
Notes:			
[1]EDC costs other than those identified explicitly.			
[2]Implementation Contractor Costs.			

Table 4-7. Summary of Program Finances – Limited Income Energy Efficiency Program (LIEEP)

	IQ ($000)	PYTD ($000)	CPITD ($000)
EDC Incentives to Participants			$ 7,021
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs			$ 7,021
Design & Development	$ 0	$ 0	$ 41
Administration	$ 7	$ 39	$ 345
Management[1]			
Marketing	$ 1	$ 2	$ 19
Technical Assistance[2]	$ 2	$ (717)	$ (25)
Subtotal EDC Implementation Costs	$ 11	$ (675)	$ 380
EDC Evaluation Costs	$ 3	$ 5	$ 57
SWE Audit Costs			
Total EDC Costs	$ 14	$ (670)	$ 7,459
Participant Costs			
Total TRC Costs			

Notes:

[1]EDC costs other than those identified explicitly.

[2]Implementation Contractor Costs.

[3] Negative values listed in IQ and PYTD columns reflect accounting adjustments during the quarter.

Table 4-8. Summary of Program Finances – Joint Utility Usage Management Program

	IQ ($000)	PYTD ($000)	CPITD ($000)
EDC Incentives to Participants		$ 762	$ 1,437
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs		$ 762	$ 1,286
Design & Development	$ 0	$ 0	$ 25
Administration	$ 5	$ 151	$ 324
Management[1]			
Marketing	$ 1	$ 8	$ 22
Technical Assistance[2]	$ 58	$ 2,729	$ 3,012
Subtotal EDC Implementation Costs	$ 63	$ 2,888	$ 3,383
EDC Evaluation Costs	$ 2	$ 35	$ 85
SWE Audit Costs			
Total EDC Costs	$ 65	$ 3,684	$ 4,753
Participant Costs			
Total TRC Costs			
Notes:			
[1]EDC costs other than those identified explicitly.			
[2]Implementation Contractor Costs.			

Table 4-9. Summary of Program Finances – Commercial & Industrial Equipment Program - Small

	IQ ($000)	PYTD ($000)	CPITD ($000)
EDC Incentives to Participants	$ 1,551	$ 3,336	$ 6,621
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	$ 1,551	$ 3,336	$ 6,621
Design & Development	$ 1	$ 1	$ 310
Administration	$ 33	$ 215	$ 1,076
Management[1]			
Marketing	$ 460	$ 696	$ 1,140
Technical Assistance[2]	$ 1,268	$ 2,156	$ 3,297
Subtotal EDC Implementation Costs	$ 1,763	$ 3,069	$ 5,823
EDC Evaluation Costs	$ 33	$ 169	$ 556
SWE Audit Costs			
Total EDC Costs	$ 3,346	$ 6,573	$ 13,000
Participant Costs			
Total TRC Costs			
Notes:			
[1]EDC costs other than those identified explicitly.			
[2]Implementation Contractor Costs.			

Table 4-10. Summary of Program Finances – Time of Use (TOU) with Critical Peak Pricing (CPP) Rate

	IQ ($000)	PYTD ($000)	CPITD ($000)
EDC Incentives to Participants			
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs			
Design & Development	$ 0	$ 0	$ 6
Administration	$ 1	$ 27	$ 72
Management[1]			
Marketing	$ 0	$ 0	$ 17
Technical Assistance[2]	$ 0	$ (5)	$ 23
Subtotal EDC Implementation Costs	$ 2	$ 22	$ 118
EDC Evaluation Costs	$ 4	$ 20	$ 32
SWE Audit Costs			
Total EDC Costs	$ 6	$ 42	$ 150
Participant Costs			
Total TRC Costs			
Notes:			
[1]EDC costs other than those identified explicitly.			
[2]Implementation Contractor Costs.			

Table 4-11. Summary of Program Finances – Commercial & Industrial Equipment Program – Large

	IQ ($000)	PYTD ($000)	CPITD ($000)
EDC Incentives to Participants	$ 1,111	$ 3,019	$ 4,917
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	$ 1,111	$ 3,019	$ 4,917
Design & Development	$ 0	$ 0	$ 668
Administration	$ 14	$ 101	$ 668
Management[1]			
Marketing	$ 12	$ 111	$ 295
Technical Assistance[2]	$ 162	$ 249	$ 1,507
Subtotal EDC Implementation Costs	$ 188	$ 462	$ 3,138
EDC Evaluation Costs	$ 4	$ 22	$ 110
SWE Audit Costs			
Total EDC Costs	$ 1,303	$ 3,503	$ 8,165
Participant Costs			
Total TRC Costs			
Notes:			
[1]EDC costs other than those identified explicitly.			
[2]Implementation Contractor Costs.			

Table 4-12. Summary of Program Finances – Customer Load Response Program

	IQ ($000)	PYTD ($000)	CPITD ($000)
EDC Incentives to Participants			$ 15
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs			$ 15
Design & Development	$ 0	$ 0	$ 88
Administration	$ 3	$ 21	$ 99
Management[1]			
Marketing	$ 0	$ 0	$ 3
Technical Assistance[2]	$ 1	$ 4	$ 46
Subtotal EDC Implementation Costs	$ 4	$ 26	$ 235
EDC Evaluation Costs	$ 1	$ 4	$ 18
SWE Audit Costs			
Total EDC Costs	$ 4	$ 30	$ 268
Participant Costs			
Total TRC Costs			
Notes:			
[1]EDC costs other than those identified explicitly.			
[2]Implementation Contractor Costs.			

Table 4-13. Summary of Program Finances – Customer Resources Demand Response Program

	IQ ($000)	PYTD ($000)	CPITD ($000)
EDC Incentives to Participants	$ 176	$ 5,551	$ 5,551
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	$ 176	$ 5,551	$ 5,551
Design & Development	$ 0	$ 0	$ 7
Administration	$ 7	$ 30	$ 113
Management[1]			
Marketing	$ 0	$ 0	$ 49
Technical Assistance[2]	$ 1	$ 8	$ 382
Subtotal EDC Implementation Costs	$ 8	$ 38	$ 551
EDC Evaluation Costs	$ 12	$ 49	$ 70
SWE Audit Costs			
Total EDC Costs	$ 196	$ 5,639	$ 6,171
Participant Costs			
Total TRC Costs			
Notes:			
[1]EDC costs other than those identified explicitly.			
[2]Implementation Contractor Costs.			

Table 4-14. Summary of Program Finances – Distributed Generation Program

	IQ ($000)	PYTD ($000)	CPITD ($000)
EDC Incentives to Participants			
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs			
Design & Development	$ 0	$ 0	$ 5
Administration	$ 1	$ 7	$ 46
Management[1]			
Marketing	$ 0	$ 0	$ 3
Technical Assistance[2]	$ 0	$ 1	$ 28
Subtotal EDC Implementation Costs	$ 2	$ 8	$ 83
EDC Evaluation Costs	$ 0	$ 1	$ 2
SWE Audit Costs			
Total EDC Costs	$ 2	$ 9	$ 85
Participant Costs			
Total TRC Costs			
Notes:			
[1]EDC costs other than those identified explicitly.			
[2]Implementation Contractor Costs.			

Table 4-15. Summary of Program Finances – Conservation Voltage Reduction (CVR) Program

	IQ ($000)	PYTD ($000)	CPITD ($000)
EDC Incentives to Participants		$ 3	$ 3
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs		$ 3	$ 3
Design & Development	$ 0	$ 0	$ 0
Administration	$ 8	$ 192	$ 283
Management[1]			
Marketing	$ 0	$ 0	$ 0
Technical Assistance[2]	$ 1	$ 54	$ 58
Subtotal EDC Implementation Costs	$ 9	$ 246	$ 342
EDC Evaluation Costs	$ 16	$ 19	$ 21
SWE Audit Costs			
Total EDC Costs	$ 25	$ 267	$ 366
Participant Costs			
Total TRC Costs			
Notes:			
[1]EDC costs other than those identified explicitly.			
[2]Implementation Contractor Costs.			

Table 4-16. Summary of Program Finances – Governmental and Institutional Program

	IQ ($000)	PYTD ($000)	CPITD ($000)
EDC Incentives to Participants	$ 1,149	$ 3,607	$ 4,825
EDC Incentives to Trade Allies			
Subtotal EDC Incentive Costs	$ 1,149	$ 3,607	$ 4,825
Design & Development	$ 0	$ 0	$ 111
Administration	$ 15	$ 59	$ 431
Management[1]			
Marketing	$ 27	$ 46	$ 198
Technical Assistance[2]	$ 136	$ 448	$ 776
Subtotal EDC Implementation Costs	$ 179	$ 553	$ 1,516
EDC Evaluation Costs	$ 3	$ 19	$ 262
SWE Audit Costs			
Total EDC Costs	$ 1,330	$ 4,179	$ 6,604
Participant Costs			
Total TRC Costs			
Notes:			
[1]EDC costs other than those identified explicitly.			
[2]Implementation Contractor Costs.			