



PPL Electric Utilities

PPL Electric Utilities Stakeholder Meeting Act 129 EE&C Phase II Programs April 22, 2014



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PPL ELECTRIC UTILITIES



PPL Electric Utilities

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PPL Electric Utilities Act 129 Phase II

- **Welcome, Safety First, Plan Revision Process, Changes**
 - Tom Stathos
- **Phase II Third Quarter Results and TRM**
 - Pete Cleff
- **Residential Programs**
 - Maureen Fenerty
- **Commercial and Industrial Programs**
 - Jennifer Robinson
- **Program Challenges - Discussion**
 - Joe Mezlo
- **Summary**
 - Tom Stathos

History of Plan Revision Process

- **October 16, 2013**
 - Stakeholder meeting
 - Presented revision ideas and rationale
 - Obtained input from stakeholders
- **November 22, 2013**
 - PPL Electric Utilities filed Revised Plan and Petition
- **December 23, 2013**
 - Parties commented on PPL Electric Utilities filing
- **January 13, 2014**
 - PPL Electric Utilities filed response
- **March 6, 2014**
 - PA PUC approved Revised Plan in part and denied in part
- **April 7, 2014**
 - Compliance filing “black line” and clean versions with the PA PUC

Changes

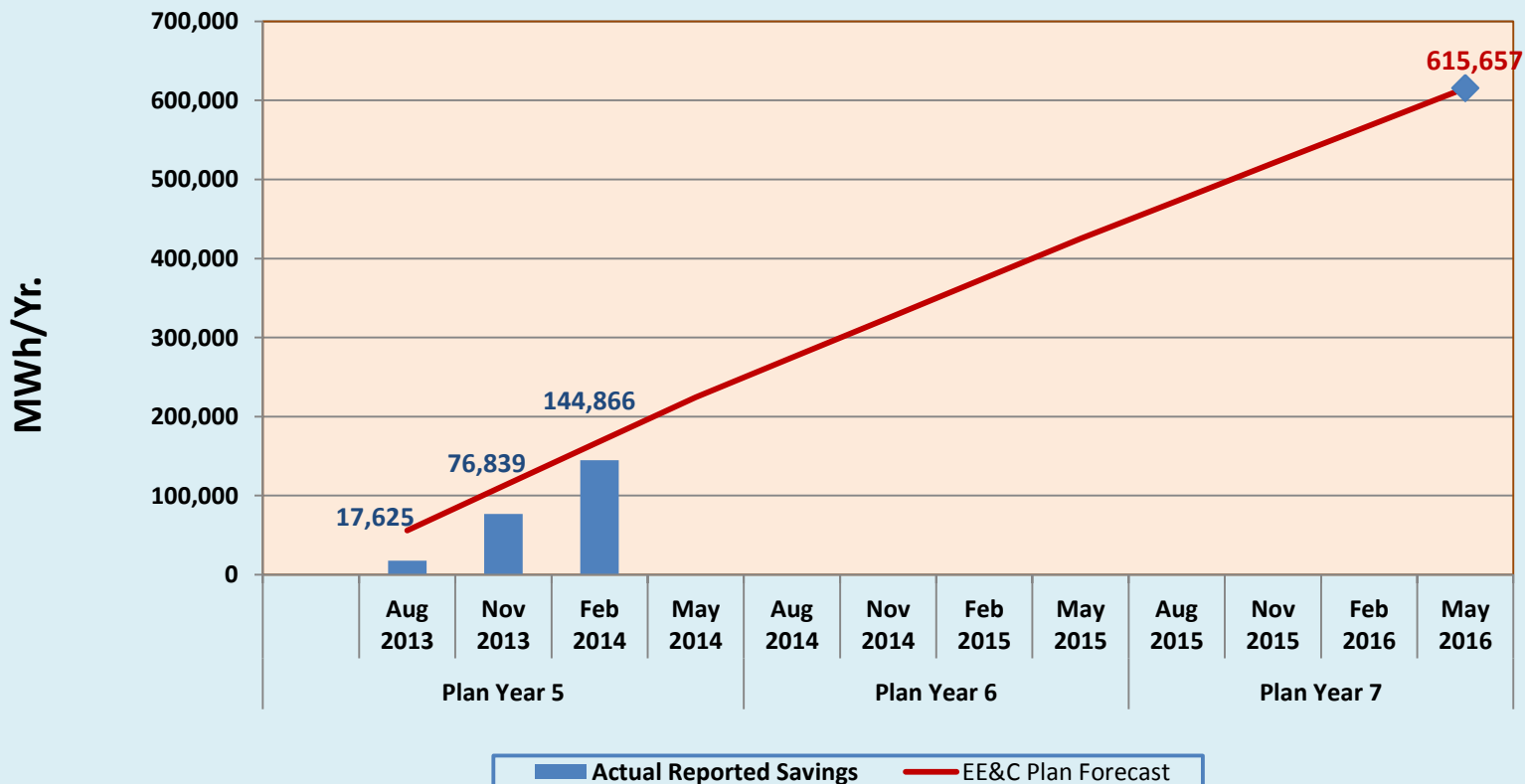
- Changes
- For all customer sectors
- Rebates
- Procedures
- Applications

- Timeline - June 1, 2014
 - Website and forms

Phase II Progress

So far we are under budget

MWh/Yr. | Actual Reported Savings vs. EE&C Plan
(Excludes Phase I Carryover)



So far we are under budget

Energy Savings by Sector

Sector	EE&C Plan Forecast at Completion (MWh/yr.)	Actual Reported Savings as of 2/28/14 (MWh/yr.)	% Complete
Residential	253,487	69,561	27%
Low-Income*	22,223	3,523	16%
<i>Subtotal Residential</i>	<i>275,710</i>	<i>73,084</i>	<i>27%</i>
Small C&I	144,386	54,682	38%
Large C&I	107,417	6,711	6%
GNI	88,184	10,388	12%
<i>Subtotal Non-residential</i>	<i>339,987</i>	<i>71,781</i>	<i>21%</i>
Total- Phase II	615,697	144,866	24%
Phase I Carryover	495,887	495,887	-
Total - Phase II and Carryover	1,111,584	640,753	58%
Phase II Compliance Target	821,072		

* Excludes low-income participation in general residential programs (~32,000 MWh/yr. estimated in EE&C Plan)

So far we are under budget

Costs by Sector

Sector	EE&C Plan Total Budget (\$1,000)	Actual Cost as of 2/28/14 (\$1,000)	% Complete
Residential	\$53,938	\$7,400	14%
Low-Income	\$17,834	\$2,600	15%
<i>Subtotal Residential</i>	<i>\$71,772</i>	<i>\$10,000</i>	<i>14%</i>
Small C&I	\$26,263	\$4,400	17%
Large C&I	\$20,226	\$1,000	5%
GNI	\$32,597	\$2,000 ²	6%
<i>Subtotal Non-residential</i>	<i>\$79,086</i>	<i>\$7,400</i>	<i>9%</i>
Total Direct Cost	\$150,859	\$17,400	12%
Common Cost ¹	\$35,262	\$9,000	26%
Total Cost	\$186,121	\$26,400	14%

1. Will be allocated to customer sectors at the conclusion of Phase II based on the proportion of each sector's direct cost.

2. \$1 MM small C&I rate classes; \$0.5 MM large C&I rate classes; \$0.4 MM common

Status of Programs

Program	EE&C Plan Forecast @ completion (MWh/yr.)	Actual Reported Savings (MWh/yr.)	Savings % Complete	EE&C Plan Total Budget (\$1,000)	Actual Cost (\$1,000)	Cost % Complete
Appliance Recycling	26,243	8,060	31%	\$5,189	\$1,367	26%
Residential Retail	229,276	73,180	32%	\$33,634	\$4,268	13%
Home Comfort	12,739	1,604	13%	\$9,851	\$910	9%
Behavior & Education	32,205	0	0%	\$2,389	\$25	1%
WRAP	10,519	2,003	19%	\$15,635	\$2,370	15%
Low-Income Behavior & Education	8,325	0	0%	\$1,164	\$3	0%
E-Power Wise	3,378	1,520	45%	\$1,036	\$233	22%
Prescriptive Equipment	205,116	46,903	23%	\$58,935	\$6,004	11%
Custom	65,660	4,027	6%	\$12,585	\$519	4%
Student & Parent Energy Efficiency Education	12,199	6,823	56%	\$6,096	\$1,106	18%
Multi-Family	6,886	744	11%	\$3,103	\$373	12%
Continuous Energy Improvement	3,150	0	0%	\$943	\$114	12%
School Benchmarking	0	0	0%	\$300	\$106	35%

Residential Sector Enhancements and Changes

Planned MWh/yr. Savings	% of Total Portfolio Savings	Budgeted Cost (000)	% of Total Portfolio Costs
254,000	41%	\$54,000*	36%

Lighting

- **Focusing** on LEDs in retail stores and **discontinuing** incentives for CFLs
- **Changing** the give-away portion of the Residential Retail program
- In the Student and Parent Energy-Efficiency Education program kits, **replacing** CFLs with LEDs
- **Increasing** the number of CFL recycling options

* Excluding Common Cost

Residential Sector Changes

Efficient Equipment

- **Discontinued** midstream TV incentive component
- **Discontinued** Smart Strip Direct Install component
- **Changing** the refrigerator rebate from ENERGY STAR® to ENERGY STAR® “Most Efficient” with a higher range of incentives

Appliance Recycling

- **Reducing** the number of units being recycled



Residential Sector Enhancements

Home Comfort

- **Adding** a manufactured home component
- **Providing** trade allies with thermal imaging guns for audit/weatherization program
- Encouraging customers to complete weatherization projects by **providing** an additional rebate for BPI certified audits to customers who perform weatherization projects
- **Adding** thermography pilot to website
- **Increasing** the ASHP/Ductless HP rebates for RTS customers

Low-Income Sector Enhancements and Changes

MWh/yr. Savings	% of Total Savings	Cost (000)	% of Total Costs
22,000	4%	\$18,000*	12%

- Low-Income WRAP
 - Adding a limited number of “Full Cost” jobs
 - LEDs installed instead of CFLs
- Home Energy Report cards for low-income customers
- E-Power Wise Program
 - Replacing CFLs with LEDs in kits



Small and Large C&I Sectors Enhancements and Changes

Planned MWh/yr. Savings	% of Total Portfolio Savings	Budgeted Cost (000)	% of Total Portfolio Costs	Planned MWh/yr. Savings
Small C&I	144,000	23%	\$26,000*	17%
Large C&I	107,000	17%	\$20,000*	13%

- HVAC
- Lighting
 - Direct discount – **Phasing out** T8 Linear lighting
 - **Discontinuing** incentive for Metal Halide and Induction lighting
 - Fixed rebates
- Motors and refrigeration
- Farm audit and equipment
 - Completed first farm rebate



* Excluding Common Cost

Small and Large C&I Sectors Enhancements and Changes

Custom Program:

- **Requiring** pre-approval of projects before equipment is purchased
- **Removing** “Standard” (covered in TRM) measures from Custom Program
- **Increasing** Custom Project cost caps
- **Increasing** general project TRC to 1.1 or higher (CHP remains at TRC 1.25)

GNI Sector Enhancements and Changes

Planned MWh/yr. Savings	% of Total Portfolio Savings	Budgeted Cost (000)	% of Total Portfolio Costs
88,000	14%	\$40,000 *	22%

- HVAC
- Lighting
 - Direct discount – **Phasing out** T8 Linear lighting.
 - **Discontinuing** incentive for Metal Halide and Induction lighting.
 - Fixed rebates
- Motors and refrigeration
- Custom Rebates
- Master Metered Low-Income Multifamily Housing
 - **Adding** a whole building component
 - **LEDs instead** of CFLs



* Excluding Common Cost

GNI Sector Enhancements and Changes

- **Increasing** the Direct Discount rebates to public schools for lighting and lighting controls
- **Offering** free LED exit signs to schools participating in the School Benchmarking Program
- **Offering** partial funding School Energy Champions supporting the (Continuous Energy Improvement Program)
- **Increasing** the rebate for LED street lights for municipal owned street lights

GNI Sector Enhancements and Changes

Custom Program:

- **Requiring** pre-approval of projects before equipment is purchased
- **Removing** “Standard” (covered in TRM) measures from Custom Program
- **Increasing** Custom Project cost caps
- **Increasing** general project TRC to 1.1 or higher (CHP remains at TRC 1.25)

Program Challenges – Discussion

- GNI – how to reach more customers?
 - Actual savings-to-date are less than expected
 - Need to ensure compliance target is met
- Home Comfort – how to increase customer interest?
 - Actual savings-to-date are less than expected

A "how-to" for living an energy-efficient lifestyle
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Mission Home Audit



Post by Wendy Cray Kaufman

Mission Details

For this mission, our bloggers received a PPL Electric Utilities' Home Energy Audit. A certified building analyst was sent to their homes to give them a comprehensive energy analysis and install new, efficient improvements.

Mission Summary

The past few weeks have revealed some surprising and unexpected findings. Our bloggers were shown tons of awesome, new ways to maximize their home's energy efficiency.

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by Natalie Dbon



What I Learned About Saving Money

by Lindsay Frank



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by Megan Gallo

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Contact Information

- Pete Cleff pdcleff@pplweb.com
- Maureen Fenerty mafenerty@pplweb.com
- Jennifer Robinson jarobinson@pplweb.com

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