

Allegheny Power's Energy Efficiency & Conservation Programs

Dept. of General Service

Schaedler Yesco - Harrisburg

March 2, 2010



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Presentation Objectives

- **Key dates and targets**
- **Basic program details**
- **Review PA PUC approved programs**



Key Dates and Targets

Jul. 1, 2009	Energy Efficiency & Conservation / Demand Response (EE&C/DR) Plans Filing	
Aug. 14, 2009	Filing Date for Smart Meter Technology Procurement and Installation Plan (SMTIP)	Completed
Oct. 23, 2009	Filing Approved (In Part)	Completed
Jan. 1, 2011	Filing Date for TOU Rates and RTP Plans	Completed
May 31, 2011	1% Reduction in Energy Consumption	209,387 MWH
May 31, 2013	3% Reduction in Energy Consumption	628,160 MWH
May 31, 2013	4.5% Reduction in Demand	157 MW



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PA Act 129: **Basic Program Details**

- **The cost of the overall four year plan is capped at 2% of 2006 utility's revenues....\$94.6 million for Allegheny Power**
- **The cost of the Plan will be recovered from customers.**
Approximate cost is:
 - **\$2.22 per 1000 kwhs for residential customers**
 - **\$1.12 per 1000 kwhs for small-sized commercial business**
 - **\$0.71 per 1000 kwhs for medium-sized commercial business**
- **Full website launch of all programs by April 1st.**
- **Web-site will contain all details and applications for incentives**



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Residential Programs

Energy Star Appliances	Qualifications	Rebate Amount	Limit per Calendar Year
Super Efficient Dishwasher	Energy Star	\$25	1 per Household
Super Efficient Clothes Washer	Energy Star - 200 kWh or less /year	\$75	1 per Household
Electric Clothes Dryer	With Moisture Sensor	\$25	1 per Household
CFLs	All Qualify	\$1.50 per single pack or \$3 per multi pack	Total rebate limit up to \$25.00
Room Air Conditioner	Energy Star	\$25	3 per Household
Refrigerator with Recycling*	Energy Star - 10 to 30 Cubic Feet	\$50	1 per Household
Freezer With Recycling*	Energy Star - 10 to 30 Cubic Feet	\$35	1 per Household
Central Air Conditioner	Energy Star - SEER 14.5 and above w/Programable Thermostat, must be installed by Licensed HVAC Contractor	\$100 with SEER 14.5 \$150 with SEER 15 \$200 with SEER 16 or above	1 per Household
Heat Pump	Energy Star - SEER 14.5 and above w/Programable Thermostat, must be installed by Licensed HVAC Contractor	\$100 with SEER 14.5 \$150 with SEER 15 \$200 with SEER 16 or above	1 per Household



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Residential Programs (cont)

Recycling Programs	Qualifications	Rebate amount	limit per calendar year
Room Air Conditioner	Working unit (New purchase not required)	\$25	3 per Household
Refrigerator	Working unit (New purchase not required)	\$35	1 per Household
Freezer	Working unit (New purchase not required)	\$35	1 per Household
Home Performance Programs			
On-Line	All Homes Qualify	Free	1 per Household
Check-up	All Homes Qualify	\$50	1 per Household
Comprehensive	All Homes Qualify	\$50	1 per Household
Low-Income	175% of Poverty Level	N/A	1 per Household



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C & I Programs

Lighting	Qualifications	Rebate Amount	Limits
T5	Retrofit Only	\$ 25	
T8	Retrofit Only (2x4 fixtures)	\$ 14	
LED Exit Signs	Retrofit Only	\$ 15	
Occupancy Sensors	Wall Plate	\$ 25	
HVAC			
Unitary A/C	15 SEER or better, Retrofit Only	\$ 35/ton	
Unitary Heat Pump	15 SEER or better, Retrofit Only	\$ 75/ton	
Motor Drives			
Variable Frequency Drives	<ul style="list-style-type: none"> - Thru Participating Vendors - 25-200 Horsepower - 6 pulse - In-line reactor - For Pumps, Fans, or other variable loads - Motor operating hours =>2500/year 	50% of equipment cost recovery	=>50HP or \$3,000 must be pre-approved by AP
Custom			
Custom Technology	Per Allegheny Power Pre-Approval, 1 - 2.5 mWh's per year minimum/maximum customer size or PMs approval	Up to 25% of project cost	\$100,000 Per Project not to exceed 25% of total project cost. Total Annual Program Cap is \$1,000,000
Custom Application	Per Allegheny Power Pre-Approval, 2.5 mWh's per year minimum customer size or PMs approval	Up to \$10,000 per Audit, Up to 50% of project cost	\$500,000 Per Project not to exceed 50% of total project cost. Total Annual Program Cap is \$1,500,000



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Institutional - Nonprofit

Lighting	Qualifications	Rebate Amount	Limits
T5	Retrofit Only	\$ 25	
T8	Retrofit Only (2x4 fixtures)	\$ 25	
LED Exit Signs	Retrofit Only, Equipment Only	100 % of cost	
LED Traffic Signals	Retrofit Only	\$ 30.67	Per bulb replaced
Occupancy Sensors	Wall Plate	\$ 25	
CFLs	Retrofit Only, Equipment Only	100 % of cost	
HVAC			
Unitary A/C	15 SEER or better, Retrofit Only	\$ 35/ton	
Unitary Heat Pump	15 SEER or better, Retrofit Only	\$ 75/ton	
Motor Drives			
Variable Frequency Drives	<ul style="list-style-type: none"> - Thru Participating Vendors - 25-200 Horsepower - 6 pulse - In-line reactor - For Pumps, Fans, or other variable loads - Motor operating hours =>3600/year 	50% of equipment cost recovery	=>50HP or \$3,000 must be pre-approved by AP
Custom			
Custom Technology	Per Allegheny Power Pre-Approval, 1 - 2.5 mWh's per year minimum/maximum customer size or PMs approval	Up to 25% of project cost	\$100,000 Per Project not to exceed 25% of total project cost. Total Annual Program Cap is \$1,000,000
Custom Application	Per Allegheny Power Pre-Approval, 2.5 mWh's per year minimum customer size or PMs approval	Up to \$10,000 per Audit, Up to 50% of project cost	\$500,000 Per Project not to exceed 50% of total project cost. Total Annual Program Cap is \$1,500,000

Please contact us:

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See Allegheny's Act 129
website at:

www.alleghenypower.com

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