



Energy Efficiency Savings Report for Fiscal Year 2009-2010

Presented to the Resource Management Commission
October 19, 2010

Home Performance with ENERGY STAR® Program & A/C Efficiency Program (AEP)



Provides Rebates & Loan incentives for:

- Attic Insulation
- Solar shading
- Low-e windows
- Duct repair/sealing & testing
- High efficiency Air Conditioner system.

Customer Benefits:

- Financial Incentives
- Trained Home Performance Contractor
- Greater Comfort
- Better Energy Performance
- Improved indoor air quality

Residential Home Performance Results 2009-2010



Residential	Participation Goal	Actual Participation	MW	MWh	Increase
AEP Program	3,126	4,357	4.14	5,342	139%
Rebate Program	2,344	2,941	5.29	5,808	125%
Loan Program	211	109	0.20	215	52%
Refrigerator Recycling	3,158	3,428	0.66	2,530	92%

Home Performance Environmental Impact



Programs	MWh	Metric (tons)	Vehicle miles saved	Cars Removed	Homes Powered
AEP	5,342	3,207	7.2 million	614	473
Rebate	5,808	3,487	7.8 million	668	514
Loan	215	129	289,859	25	19
Total	11,365	6,823	15.2 million	1307	1006

Commercial Energy Conservation Program



Providing energy audits and rebates to Austin Energy key account, commercial, and small business customers.

Technologies	
New Construction Rebates	Ceiling/Roof Insulation
DX Air Conditioning Equipment	Window Treatments
High Efficiency Chillers	Spray On Reflective Roofing
High Efficiency Lighting	Thermal Energy Storage
NEMA Premium Motors	Custom Technologies
Variable Frequency Drives	BTU Program
Energy Recovery Ventilators	Data Center Rebates
Small Business Rebates	Commercial Kitchen Equipment

Commercial Energy Conservation Program



Highlights of FY2010 Activities

Goal: 11,470 kW saved	Budget: \$3,541,480
705 participants	\$3,536,455 rebates paid
11,960 kW saved	42.6 million kWh saved per year.

- Equivalent CO₂ emission savings: 25,560 metric-tonnes.
- 57,397,606 vehicles miles saved;
- 4,898 cars removed from roadways; or
- Providing electricity to 3,766 homes for 1 year.

Multifamily Rebate Program



Multi Family Rebate Program Provides energy audits and rebates to multifamily properties.

Technologies Provided are:

- Window Treatments
- Lighting retrofits
- Duct diagnostic & improvements
- Attic insulation
- HVAC Retrofits
- Reflective Roofing & Insulation

Multifamily Rebate Program



Highlights of FY2010 Activities

Goal: 2.68 MW saved	Budget: \$ 1, 842,600
18,324 participants	\$ 2,126,120 rebates paid
4.48 MW saved	13.23 MWh saved

- Equivalent CO₂ emission savings: 7,945 metric-tons
- 17,838,226 vehicles miles saved;
- 1,522 cars removed from roadways; or
- Providing electricity to 1,171 homes for 1 year.

Free Thermostat / Water Heater Timer



Free installation and service; Allows Austin Energy to cycle off the outside air conditioning unit and water heater during the months of June through September, peak demand days; Monday - Friday's only, between the hours of 3-7 pm.

Technologies Provided are:

- White-Rodgers Programmable Thermostat



- Vaughn Water Heater Timers



Free Thermostat / Timer Program



Performance Goals

Goal: 6040 kW saved
Residential / MF 2,300 KW saved; Timers
1,310KW saved; Commercial 600 KWsaved

7406 participants
Res / MF 4,617; Timers 2,009;
Commercial 780.

4,210 kW saved (70%)

Budget: \$4.5 Million
Installation and Incentive: \$2.3
million; Hardware: \$2.2 million

\$ 2.2 million spent, or
\$296 spent per unit

65,650 kWh per year saved

- Equivalent CO₂ emission savings: 40 metric-tonnes.
- 88,609 vehicles miles saved;
- 7 cars removed from roadways; or
- Providing electricity to 6 homes for 1 year.

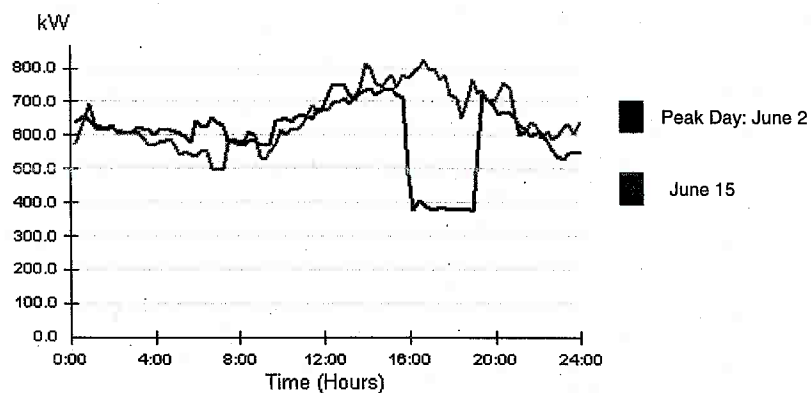
Load Cooperative/Aggregator



Provides financial incentives for C&I customers to curtail load on peak summer days.

Program Features:	
- Agreements with commercial customers	40 locations signed up, 12 locations with 3 rd party aggregator
- Curtailments focused on peak summer months, June - September	- \$ incentives paid on energy reduced during curtailment period.
- Direct/Indirect load Control	- Interval electric data required
- AC, lighting, motors	- Curtailments notices 1 day, 4 hour, and 1 hour
- Supported by AE key accounts representatives	- Target, Wal-Mart, HEB, 4 Seasons, Town Lake Center

Demand Response



Load Cooperative/Aggregator



Highlights of FY2010 Activities

Goal: 750 kW saved	Budget \$123,655
40 participants	\$50,000 rebates paid
1,970 kW saved	50,000 kWh saved

- Equivalent CO₂ emission savings: 30 metric-tonnes.
- 67,409 vehicles miles saved;
- 6 cars removed from roadways; or
- Providing electricity to 4 homes for 1 year.

2011 Annual Conservation Goals



Program	Participation	MW Goals	MWh Goals	Budgets
Residential/ MF	11,105	9.71	13,846	\$5,718,378
Multi-family	11,502	2.68	6,721	1,842,600
Business	1,162	13.20	53,440	\$4,311,786
Peak Load Management	15,334	11.5	108	\$2,680,582
Solar	381	1.31	1,328	\$4,000,000
TOTALS	39,485	38.38	75,443	\$18,553,346

FY 2011 Conservation Emission Targets



Equivalent Environmental Externalities

- 23,485 metric-tons of CO₂ emission savings,
- 52,728,774 vehicle miles saved,
- 4,499 cars removed from roadways, and
- 3,460 homes with electricity for 1 year.

