



# Power Saver Programs

*Saving Energy Together*

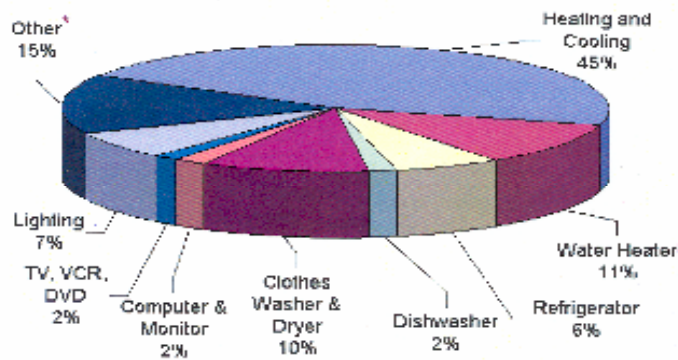
## North Lamar Combined Neighborhood Meeting December 9, 2008



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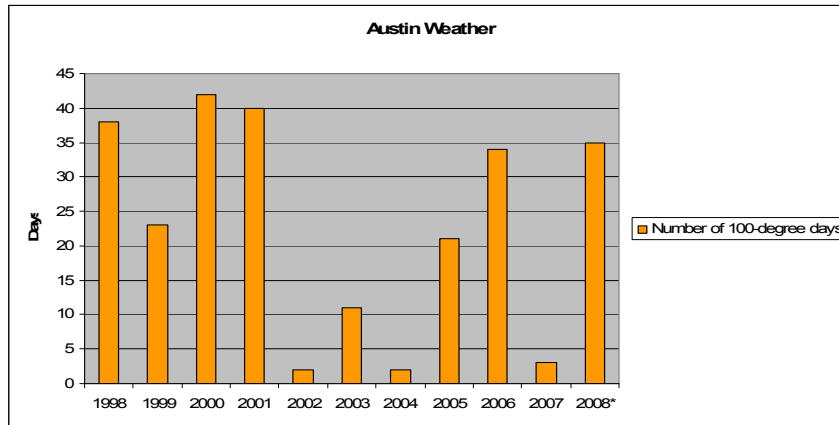
The Typical U.S. Family Spend Close to \$1300 on Home Utilities



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## Summer of 2008



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## Determine Efficiency of Air Conditioner



- | ➤ Date<br>➤ <u>Manufactured</u>                    | Age<br>of System | Estimated<br>Efficiency (SEER) |
|--|------------------|--------------------------------|
| ➤ Before 1980                                      | 25 Years         | 6 SEER                         |
| ➤ Before 1885                                      | 20 Years         | 8 SEER                         |
| ➤ Before 1990                                      | 15 Years         | 10 SEER                        |
| ➤ Today  | New System       | 13–18 SEER                     |
| ➤ Air Conditioning Systems Cost - \$4000 to \$7000 |                  |                                |

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## Potential Impact to Austin and Residents

- ∪ Increased Cost For Goods and Services Across the Board.
- ∪ Higher Temperatures = Higher Utility Costs.
- ∪ Health and Safety Concerns?
- ∪ Increase for Assistance from Government, City, and Agencies?
- ∪ Customers Unable to Pay For Basic Services Such As
  - Utilities
  - Food
  - Housing
  - Transportation

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## Power Saver - Residential Programs



- ∪ Home Performance with ENERGY STAR®
  - Rebates
  - Loans
- ∪ ENERGY STAR® Lighting Program
- ∪ Appliance Efficiency Program
- ∪ Duct Diagnostic & Sealing Program
- ∪ **Free Home Energy Improvement Program\***
  - Appliance Replacement
  - Express Application
- ∪ **Refrigerator Recycling Program\***
- ∪ **Demand Response Programs\***



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## Free Home Energy Improvements Program

### Energy Improvements

- Insulate Attics
- Caulking Around Plumbing Penetrations
- Weather-Stripping Doors
- Sealing and/or Repairing Duct Work
- Installing Solar Screens
- Carbon Monoxide & Smoke Detectors
- Install CFL's (8)
- Minor Energy Related Repairs



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## Free Home Energy Improvements Program

### Eligibility Requirements

- AE Electric Customer
- Elderly, Disability, Low-to-Moderate Income
- Single Family, Duplexes, Mobile Homes
- Meet AE Income Guidelines
- Home Value (\$150,000 excluding land)
- Renters (3 months) & Owners



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## Free Home Energy Improvements Program

### Current Income Guidelines

- Number in Household    1            2            3            4            5
- 60 years or older        \$39,850    \$45,500    \$51,200    \$56,900    \$61,450  
or disabled
- Under 60 years old    \$24,900    \$28,450    \$32,000    \$35,550    \$38,400



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## Express Application



- ∪ Make Participation Easier
- ∪ Local Agencies/Clinics Screen Applicants
- ∪ Distributed Through CAP's
- ∪ Requires Customers Signature

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# Express Application



Note: Homes appraised at \$150,000 or more (excluding land value) may not be eligible for this program.

Name of head of household: \_\_\_\_\_  
Social Security number: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Date of birth: \_\_\_\_/\_\_\_\_/\_\_\_\_  
Home phone: (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_ Work phone: (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_  
Address of home to be weatherized: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_  
Austin Energy utility account number: \_\_\_\_\_ Gas account number: \_\_\_\_\_  
Residence:  Rent  Own House type:  Single Family  Duplex  Mobile Home  Other  
Name of each household member(s):  
Name: \_\_\_\_\_ Name: \_\_\_\_\_  
Name: \_\_\_\_\_ Name: \_\_\_\_\_  
Name: \_\_\_\_\_ Name: \_\_\_\_\_  
\_\_\_\_\_/\_\_\_\_/\_\_\_\_  
Signature of Applicant \_\_\_\_\_ Date \_\_\_\_\_  
Referring agency: \_\_\_\_\_ Case worker: \_\_\_\_\_  
Agency Phone Number: \_\_\_\_\_ (please print name)

NOTE: If you are a renting and have lived in your home for at least 3 months, please have your landlord fill out the form on the back side of this application.

For more information about this program, call 482-5346 or 974-7827.  
Mail your application to Austin Energy Free Home Energy Improvement Program, P.O. Box 1088, Austin, TX 78767.

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# Appliance Replacement & Recycling



- ◆ Grant Funded
  - TCEQ & SECO
- ∪ Replacement/Recycling of the following;
  - 625 Refrigerators
  - 330 Window/AC Units
  - 100 Dishwasher Units
  - 100 Clothes Washers
  - Education Component

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## Refrigerator Recycling Program

- u Appliance Recycling Centers of America (ARCA)
  - Provide Call Center 1-800-452-8685.
  - Schedule/Pickup/Recycle Service
    - Single Family, Multifamily, Commercial
  - Recycle 98% of the Refrigerator/Freezer
    - CFC/HCFC/HFC refrigerants, Compressor Oil, Capacitors, Ballasts, Mercury Switches, Batteries, Plastics & Glass.
  - Processing and Distribution of Incentives
    - \$50 – Residential Customers
    - \$35 – Multifamily and Commercial Customers

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## Refrigerator Recycling Program



- u Refrigerators more than 10 years old can use up to 50% more energy than new energy efficient models
- u Average 1993 Model Uses 1,355 kWh
- u Energy Star Qualified Unit Uses 570 kWh; about a 55% Savings
- u Refrigerators & Freezers Located in Garages Use Up to 25% More Energy

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## Refrigerator Recycling Program

- u Eligibility Requirements
  - AE Electric Customer
  - Refrigerator/Freezer must be Cooling (working)
  - Refrigerator/Freezer must be at least 14 Cubic ft. up to 27 Cubic ft.
  - Max of 2 Appliances per Household

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## Demand Response Programs

- ◆ **Power Partner Program** – Free Thermostat
- ◆ **Power Saver Volunteer Program**
- ◆ **Cycle Saver Program** – Water Heater Timer

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## Power Partner - Free Thermostat

- u **Designed to Reduce Summer Peak Demand**
  - u Provides Free Programmable Thermostat
  - u Free Installation
  - u 24/7 Customer Service and Tech Support
  - u Residential, Multifamily, and Commercial Customers
  - u Programmable Thermostat Provides the Customer the Ability to Save 5% to 20% on Air Conditioning/Heating Cost
  - ◆ Cuts Off Compressor Unit
    - Between 3pm & 7pm
    - Monday - Friday; June – September
    - 10 Minutes – Every 30 Minutes
  - u Call Center 1-877-549-2774

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## Power Partner – Thermostat Features

- u Universal communicating thermostat
  - Single stage, multi-stage or heat pump
  - Hard wire transformer powered or power stealing
  - 5-1-1 programmable/non-programmable
  - Permanent memory
  - Large back-lit LCD
  - Auto changeover
  - Web enabled

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## Power Partner - Free Thermostat

SuperStat



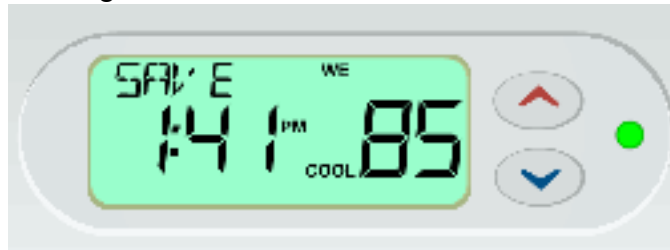
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## Power Partner – Curtailment Notification

- The Green LED is turned on when a curtailment event is happening
- The word “SAVE” shall be displayed on the thermostat in the message window



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## Power Saver Volunteer

- ◆ Environmentally Conscious “Volunteers”
- ◆ Receive Alerts via Email or Text Message
- ◆ Delay using energy between 4 p.m. – 8 p.m.
- ◆ Sign Up at [www.austinenergy.com/go/volunteers](http://www.austinenergy.com/go/volunteers)
- ↳ Receive “Free” Weatherization Kit

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## Power Saver Volunteers

**Typical Residential Electric Usage**



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## Cycle Saver Program



- ∪ Designed to Reduce Summer Peak Demand
- ∪ Install Digital Water Heater Timers on Electric Water Heaters.
- ∪ Offered to Multifamily, Single Family\*, Small Commercial Customers\*.
- ∪ Call Center 1-877-549-2774
- ∪ Timer Features Include
  - An Override Button
  - A Vacation Button

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## Cycle Saver Program



- ∪ Timer Turn-Off Electric Water Heater (100%)
  - Between 3pm & 7pm
  - Monday - Friday; June – September
  - No Holidays or Weekends
- ∪ Provide Energy Savings to Austin Energy and Customer.

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## Cycle Saver – Timer Installation



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## Timer Installation



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### Jumpstart Your Savings with These Incentives

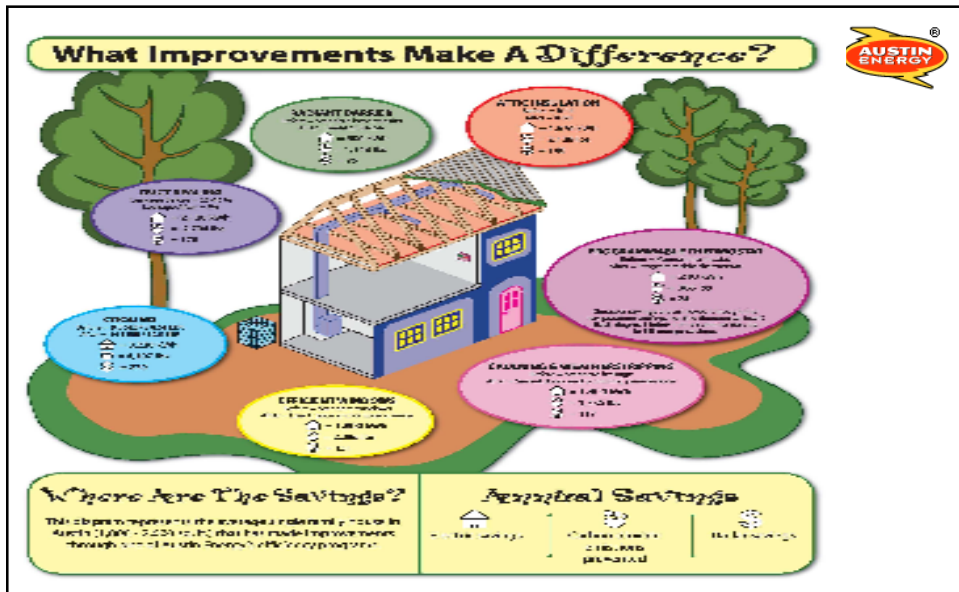
REBATE	FROM	DESCRIPTION	INCENTIVE	AVERAGE COST AFTER REBATE
<b>Home Performance with ENERGY STAR®</b>	Austin Energy and Texas Gas Service	All of the following improvements, as needed: new central air conditioner or heat pump, attic insulation, duct sealing, radiant barrier, efficient windows and solar shading	Up to \$1900	\$5100
<b>Residential Attic Insulation</b>	Austin Energy and Texas Gas Service	Upgrading attic insulation	Varies with needed insulation Averaging \$280	\$592
<b>Residential Duct Sealing</b>	Austin Energy and Texas Gas Service	Sealing the duct work for an existing HVAC system Additional rebates with a gas furnace	Varies with needed sealing Averaging \$416	\$296
<b>Furnace Incentive</b>	Texas Gas Service	Installation of a new energy-efficient central furnace with a minimum AFUE (energy efficiency rating) of 80%	\$75	\$2100
<b>High-Efficiency Gas Water Heater</b>	Texas Gas Service	Purchase of a new high-efficiency (EF .62 or higher) gas water heater	\$40	\$610
<b>Tankless Gas Water Heater</b>	Texas Gas Service	Purchase and install a new tankless gas water heater <i>(Austin Energy does NOT offer rebates on ELECTRIC tankless water heaters)</i>	\$300	\$2500
<b>Air Conditioning</b>	Austin Energy	Energy-efficient central air conditioners and heat pumps	\$180 for 14 SEER/11.5 EER \$650 for 16 SEER/13 EER	\$5519
<b>Refrigerator Recycling</b>	Austin Energy	Pick up and recycling of standard-sized old working refrigerators and freezers	\$50 per appliance	Does not apply
<b>Power Partner Free Thermostats</b>	Austin Energy	Free programmable thermostat plus installation in exchange for cycling privileges	FREE	No Cost
<b>Free Home Energy Work</b>	Austin Energy and Texas Gas Service	Free attic insulation, duct sealing, caulking, weatherstripping and solar shading to income-qualified, elderly and disabled	FREE	No Cost
<b>Free Gas Heater</b>	Texas Gas Service	For income-qualified, elderly and disabled	FREE	No Cost
<b>Natural Gas Vehicle</b>	Texas Gas Service	Purchase of a natural gas vehicle or conversion of a gasoline-powered vehicle; includes personal and commercial vehicles as well as forklifts	\$2000-3000	\$22,500 +
<b>Wash Wise</b>	Austin Energy Texas Gas Service and Austin Water Utility	Purchase of a new, energy-efficient clothes washer	\$50 from utility \$50 from washer	\$500 +

\*Savings figures are based on an average, single family house in Austin (1,800 - 2,000 sq. foot) that has made improvements through an efficiency program of Austin Energy, Texas Gas Service or Austin Water. Most rebates are available to residential or commercial Texas Gas Service customers in Austin and Sunset Valley. For more rebate and eligibility information, visit [www.TexasGasService.com/Conservation](http://www.TexasGasService.com/Conservation).




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## Did You Know?

Most buildings account for 90 - 70 percent of the greenhouse gas emissions in cities? That's why energy efficiency is so good for the environment. You save money and stay more comfortable, too.

### WHERE'S THE ENERGY GOING?

#### AIR COND. TONING AND HEATING SYSTEMS WANO

**WANO:** You use up to 30 percent to 60-70 percent of your air conditioning and heating energy to heat the air in your home.

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### WHAT CAN I DO TO KEEP THE HEAT OUT?

#### INSULATION

**WANO:** Insulation is a material that slows heat transfer. The greater the R-value, the greater the resistance to heat transfer. Insulation is a material that slows heat transfer. The greater the R-value, the greater the resistance to heat transfer.

#### EFFICIENT LIGHTING

**WANO:** Efficient lighting is a lighting fixture that uses less energy than a standard incandescent bulb. Efficient lighting is a lighting fixture that uses less energy than a standard incandescent bulb.

#### EFFICIENT WINDOWS

**WANO:** Efficient windows are windows that have a higher R-value than standard windows. Efficient windows are windows that have a higher R-value than standard windows.

#### CALULING AND WEATHER STRIPPING

**WANO:** Caulking and weatherstripping are techniques used to seal gaps and cracks in a building's exterior. Caulking and weatherstripping are techniques used to seal gaps and cracks in a building's exterior.

### HOW CAN I CONTROL IT?

**WANO:** Programmable thermostats allow you to set the temperature in your home to save energy when you're not home. Programmable thermostats allow you to set the temperature in your home to save energy when you're not home.

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### HOW DOES ENERGY ESCAPE?


**WANO:** Energy escapes from a building through the roof, walls, and windows. Energy escapes from a building through the roof, walls, and windows.


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## Contact List



- **Free Home Energy Improvement Program**
  - Joe Guerrero 482-5394 or Mike Thomas 482-5317
- **Appliance Replacement**
  - Joe Guerrero 482-5394
- **Refrigerator Recycling Program**
  - Joe Guerrero 482-5394
- **Power Partner Program**
  - Steve Saenz 482-5325 or Patrick Demps 482-5313
- **Cycle Saver Program**
  - Patrick Demps 482-5313
- **Power Saver Volunteer Program**
  - Debra Keith-Thompson 322-6507

Conservation Information Center  
512-482-5346

[www.austinenergy.com](http://www.austinenergy.com)

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