



Financial Incentives

American Electric Power - Commercial and Industrial Energy Efficiency Rebate Program

Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Refrigerators/Freezers, Lighting, Chillers, Furnaces, Boilers, Heat pumps, Air conditioners, Windows, Motors, Custom/Others pending approval

Applicable Sectors:

Incentive Amount: \$195.00/kW for peak demand reduction;
\$0.067/kWh for energy saved.

Maximum

Incentive: 20% of the budget of the program.

Eligible System Size: Facility must have a maximum demand of more than 100 kW.

Website: <http://www.aepefficiency.com/cisop/intro/index.htm>

Summary:

American Electric Power's Commercial & Industrial Standard Offer Program offers financial incentives to commercial or industrial customers for installation of energy efficiency measures. To be eligible for this program, efficiency projects must reduce the total demand by at least 10 kW during peak summer hours (1 pm to 7 pm May 1st-September 30th). See [Program Description](#) for list of eligible measures. Incentive amount is based on amount kW and kWh saved. Recipients of this incentive are called project sponsors and must fill out an initial and final application, which are available on the [project sponsor forms page](#).

Contact:

Public Information - AEP
American Electric Power
1 Riverside Plaza
Columbus, OH 43215-2372
Phone: (800) 531-5114
E-Mail: support@wattsonschoools.com
Web site: <http://www.aep.com/>

Austin Energy - Commercial Energy Management Rebate Program

Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Lighting, Chillers, Air conditioners, Windows, Roofs, Motors, Custom/Others
Technologies: pending approval, Variable Frequency Drives, Energy Recovery Ventilators

Applicable Sectors: Commercial

Incentive Amount: Air Conditioning/Direct Expansion: \$400/kW reduced

Ceiling/Roof Insulation and Reflective Coating: \$0.15 per square foot
Chiller: \$250 per kW saved for Chillers less than 500 tons, \$175 per kW saved for Chillers greater than or equal to 500 tons
Energy Recovery Ventilator: \$250 per Direct kW
Lighting: varies widely by technology type and kW reduced
Motors: varies by horsepower and efficiency
Variable Frequency Drives: \$250 per Direct kW
Window Treatments/Replacements: \$0.65 / ft.

Maximum \$100,000 or 50% of the total job cost (including equipment, installation and **Incentive:** tax), whichever is less

Project

Review/Certification: Austin Energy must perform a preliminary inspection of the existing equipment as well as a post-installation inspection

Website: <http://www.austinenergy.com/Energy%20Efficiency/Programs/Rebates/Commercial/Commercial%20Energy/index.htm>

Summary:

Austin Energy offers incentives for its commercial customers to increase the energy efficiency of their facilities through their Commercial Rebate Program. Rebates are available for qualified HVAC equipment, ceiling/roof insulation and reflective coating, chillers, custom technologies, energy recovery ventilators, lighting equipment, motors, solar technologies, variable frequency drives, and window treatments.

Interested businesses must first fill out a [Participation Request Form](#). An Austin Energy Representative will then contact the business to schedule an initial assessment of the facility, during which, project related documentation, applications and additional energy saving opportunities will be discussed. A Rebate Application accompanied by the required technical documentation on the proposed equipment must then be submitted before any new equipment is installed. Austin Energy will then perform a preliminary inspection of the existing equipment, followed by a final inspection after the work is complete.

Contact:

Commercial Rebate Program
Austin Energy
811 Barton Springs Road
Austin, TX 78704
Phone: (512) 482-5346
Fax: (512) 482-5455
E-Mail: conservation@austinenergy.com
Web site: <http://www.austinenergy.com>

Austin Energy - Energy Miser Vending Products Program

Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency

Technologies: Vending Machine Power Management Products

Applicable Sectors: Commercial

Incentive Amount: VendingMiser, CoolerMiser, SnackMiser: Free

Installation Requirements: Must remain installed on a refrigerated non-perishable soft drink machine, reach-in cooler, or non-refrigerated snack machine in a facility served by Austin Energy for a period of 5 years.

Website: <http://www.austinenergy.com/Energy%20Efficiency/Programs/Energy%20Miser/index.htm>

Summary:

Austin Energy provides energy saving equipment to its commercial customers at no cost through their Energy Miser Vending Products Program. Customers can receive a free [VendingMiser®](#), [CoolerMiser™](#), or [SnackMiser™](#) with free installation on qualified vending machines. These Energy Miser products can reduce the electricity use of cold drink vending machines and reach-in coolers by up to 40% and save typical businesses over \$100 in electricity costs per vending machine annually. Energy-saving devices that reduce the electricity use of non-refrigerated snack machines by 80% are also available. Interested customers need to fill out the [request form](#) to participate.

Contact:

Energy Miser
Austin Energy
811 Barton Springs Road
Austin, TX 78704
Phone: (512) 482-5346
Fax: (512) 482-5455
E-Mail: conservation@austinenergy.com
Web site: <http://www.austinenergy.com>

Austin Energy - Free Home Energy Improvements Program

Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency

Technologies: Caulking/Weather-stripping, Duct/Air sealing, Building Insulation, Windows

Applicable Sectors: Low-Income Residential

Sectors:

Incentive Amount: Insulation in attics: FREE

Sealing and repairing or replacing ductwork: FREE

Caulking around plumbing penetrations: FREE

Weather stripping around doors: FREE

Installation of solar screens: FREE

Project Review/Certification: Austin Energy must be able to verify the customers' income level and/or disability status. This requires documentation to verify income for everyone in the household, 18 and older, and/or disability status. Austin Energy will perform an inspection of the completed work.

Website: <http://www.austinenergy.com/Energy%20Efficiency/Programs/Free%20Home%20Energy%20Improvements/index.htm>

Summary:

Austin Energy provides a variety of weatherization measures at no cost to its low-income

and disabled residents through its Free Home Energy Improvements Program. Certain [income levels](#) must be met for residents to participate in this program. Eligible residents can fill out the [application](#), and within two weeks Austin Energy will send a letter stating whether they have been accepted to the program. Funding for this and other programs is limited and offered to Austin Energy customers on a first-come, first-served basis.

Contact:

Free Weatherization Program
Austin Energy
721 Barton Springs
Austin, TX 78704-1194
Phone: (512) 974-7827
E-Mail: custinfo@austinenergy.com
Web site: <http://www.austinenergy.com/index.htm>

Austin Energy - Multi-Family Energy Efficiency Rebate Program	Texas
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Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Lighting, Lighting Controls/Sensors, Heat pumps, Air conditioners, Duct/Air sealing, Building Insulation, Windows

Applicable Sectors: Multi-Family Residential

Incentive Amount: Air Conditioning With Gas Furnace: \$150 per system - \$400 per system, varies by efficiency
Air Conditioning With Electric Furnace: \$100 per system - \$400 per system, varies by efficiency
Heat Pumps: \$150 per system - \$400 per system, varies by efficiency
Solar Screens/Solar Film: \$1.00 - \$1.25 per square foot
Low E Window Replacement: \$2.00 per square foot
Ceiling Insulation (existing insulation level of R-7 or less): \$0.15 per square foot
Ceiling Insulation (existing insulation level of R-8 to R-16): \$0.10 per square foot
Ductwork: Up to \$0.25 per square foot of conditioned living space
Compact Fluorescent Bulbs: \$3.00 per bulb
Fluorescent Light Fixture (Kitchen): \$18.00 per fixture
Fluorescent Light Fixture (Bathroom): \$15.00 per fixture
Occupancy Sensors: \$5.00 - \$32.00

Maximum Incentive: Maximum total rebate of \$100,000. Mechanical systems - \$55,000, Weatherization and lighting improvements - \$45,000

Equipment Requirements: Air Conditioning: Minimum 14.0 SEER/11.5 EER
Heat Pumps: Minimum 14.0 SEER/11.5 EER
Solar Screens: Must have a shading coefficient of .40 or less
Solar Film: Must have .42 or less
Low E Window Glazing: Must have a solar heat gain coefficient of .35 or less
Ceiling Insulation: R-value of R-30 must be achieved

Installation Requirements: All work shall be performed in accordance with all applicable manufacturer's instructions and recommendations. Additionally, all applicable requirements of the City of Austin building code, mechanical code, electrical code, plumbing code, energy code and all federal and local laws and regulations for capturing, reclaiming and disposal of ozone depleting compounds must be met. The building's in-house maintenance staff or a contractor may perform most work. Air conditioning work must be performed by a person holding a valid Texas Air Conditioning and Refrigeration Contractors' License or by the licensed contractor's designee.

Project Review/Certification: All work must pass inspection by Austin Energy's Multi-Family Program. If the equipment fails the inspection due to non-compliance with program guidelines and requirements, participants have 15 days to make the required modifications. Austin Energy shall not be obligated to make any rebate payment if the second inspection shows that applicable guidelines and requirements have not been met.

Website: <http://www.austinenergy.com/Energy%20Efficiency/Programs/Rebates/Commercial/Multi-Family%20Properties/index.htm>

Summary:

The Austin Energy Multi-Family Program provides cash incentives to owners, developers and property managers of apartments and other multi-family properties for making energy efficiency improvements. [Rebates](#) are available for qualified A/C systems, heat pumps, window treatments, insulation, ductwork and lighting equipment. A free [walk-through energy survey](#) is required before a rebate application will be accepted. Rebate eligibility for each identified improvement will be determined by the on-site survey. Rebates for some measures may be prorated or not offered depending on the cost-effectiveness of each measure.

Contact:

Multi-Family Program Coordinator
Austin Energy
721 Barton Springs Road
Austin, TX 78704-1194
Phone: (512) 482-5329
Fax: (512) 482-5455
E-Mail: custinfo@austinenergy.com
Web site: <http://www.austinenergy.com>

Austin Energy - Residential Energy Efficiency Loan Program

Texas

Incentive Type: Utility Loan Program

Eligible Efficiency Technology: Heat pumps, Air conditioners, Caulking/Weather-stripping, Duct/Air sealing, Building Insulation

ies:

Applicable Residential Sectors:

Terms: Low interest loans with up to 10 years to repay

Website: <http://www.austinenergy.com/Energy%20Efficiency/Programs/Loans/Residential/Home%20Performance%20with%20Energy%20Star/index.htm>

Summary:

Austin Energy offers loans to its residential customers to finance energy efficient improvements in their homes. Austin Energy has three different [loan options](#) for customers to choose from, each with different maximum amounts, interest rates and eligible improvements. All work must be done by a program-approved contractor. For loan pre-approval with Austin Energy's financing partner, Velocity Credit Union, call (512) 469-7060, or toll free (800) 933-2029 (select Option #3), or apply online at www.velocitycu.com. See website for full [details](#)

Contact:

Customer Care Center
Austin Energy
721 Barton Springs
Austin, TX 78704-1194
Phone: (512) 974-7827
Fax: (512) 482-5450
E-Mail: custinfo@austinenergy.com
Web site: <http://www.austinenergy.com/index.htm>

Austin Energy - Residential Energy Efficiency Rebate Program

Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Clothes Washers/Dryers, Water Heaters, Heat pumps, Air conditioners, Duct/Air sealing, Building Insulation, Windows

Applicable Sectors: Residential

Incentive Amount: Air Conditioners: Central Split Systems - \$180 - \$600, Packaged Unit - \$300 - \$480 varies by efficiency rating
Heat Pumps: Central Split Systems - \$240 - \$650, Package Unit - \$360 or \$540, varies by efficiency rating
Window Units: \$50
Clothes Washers: \$50
Water Heaters: \$100
Attic Insulation to R-30: a per-square foot rebate which varies by starting R-value
Solar Screens/Solar Film: \$1.00 per square foot
Radiant Barrier: \$0.07 per square foot of accessible attic space
Duct Replacement/Insulation: \$1.75 per square foot
Air Infiltration and Duct Sealing: \$0.12 per square foot
Basic Duct Sealing: \$75 for less than 1600 square feet; \$.05

per square foot for over 1600 square feet

Maximum Incentive: Up to 20% of the cost of improvements, up to \$1575

Equipment Requirements: Air Conditioners and Heat Pumps (Central Split Systems): Minimum SEER rating of 14 and EER rating of 11.5
Air Conditioners and Heat Pumps (Package Unit): Minimum SEER rating of 14 and EER rating of 11
Window Units: Minimum 10.7 EER
Clothes Washers: Minimum 10.7 EER
Attic Insulation: R-30

Installation

Requirements: Work must be performed by a participating contractor

Project

Review/Certification: Austin Energy will perform a post-installation inspection

Website: <http://www.austinenergy.com/Energy%20Efficiency/Programs/Rebates/Residential/index.htm>

Summary:

Austin Energy offers incentives to its residential customers to encourage the use energy efficient equipment. Rebates are available for qualified [HVAC equipment](#) and [weatherization improvements](#). Bonus rebates, ranging from \$100 - \$550 are available for customers who install a new air conditioning unit or heat pump and perform all of the weatherization measures, if needed.

To take advantage of the weatherization rebates, customers must first have an energy audit performed on their homes. Energy audits are not required for the HVAC rebates. Mobile homes or manufactured homes are eligible for rebates on new air conditioners only. Other energy efficiency improvements cannot be rebated for these dwellings due to construction code differences. Other restrictions apply.

Contact:

Customer Care Center
Austin Energy
721 Barton Springs
Austin, TX 78704-1194
Phone: (512) 974-7827
Fax: (512) 482-5450
E-Mail: custinfo@austinenergy.com
Web site: <http://www.austinenergy.com/index.htm>

Austin Energy - Small Business Energy Efficiency Rebate Program

Texas

Incentive Type: Utility Rebate Program

Eligible: Lighting, Chillers, Air conditioners, Building Insulation, Windows, Roofs, Motors,

Efficiency: Custom/Others pending approval, Variable Frequency Drives, Energy Recovery

Technologies: Ventilators

Applicable Sectors: Commercial, Nonprofit

Incentive Amount: 20% bonus on all rebates offered through the standard Commercial Energy Efficiency Rebate Program

Lighting Equipment: A discounted price for the turnkey purchase and installation of retrofitted lighting equipment. Varies by technology.

Project

Review/Certification: Austin Energy must perform a preliminary inspection of the existing equipment as well as a post-installation inspection

Website: <http://www.austinenergy.com/Energy%20Efficiency/Programs/Rebates/Commercial/Commercial%20Energy/smallBusiness.htm>

Summary:

Austin Energy offers a special incentive for its small-to-midsize and not-for-profit business customers to increase the energy efficiency of their facilities through their [Small Business Rebate Program](#). Through this program, qualified customers can receive a 20% bonus on all the rebates offered through Austin Energy's standard [Commercial Rebate Program](#), with the exception of the Solar PV rebate. Rebates are available for qualified [HVAC equipment](#), [ceiling/roof insulation and reflective coating](#), [chillers](#), [custom technologies](#), [energy recovery ventilators](#), [lighting equipment](#), [motors](#), [variable frequency drives](#), and [window treatments](#).

A separate rebate is also available for lighting equipment. Small business customers are welcome to take advantage of the standard lighting incentive mentioned above, with the added 20% bonus, but could save even more time and money through the [Small Business Lighting Program](#). Unlike the traditional rebate program where a commercial customer may receive a rebate after the purchase and installation of the lighting equipment, this program offers qualified small business customers a discounted price for the turnkey purchase and installation of retrofitted lighting equipment at the time of purchase. Customers can choose from a [menu of lighting options](#) which are available for a heavily reduced price. To participate in this program, the customer must be willing to use Austin Energy's chosen lighting contractor, Energy Saving Strategies, to perform the work at the pre-arranged pricing.

Contact:

Commercial Rebate Program
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Web site: <http://www.austinenergy.com>

Austin Energy - Solar PV Rebate Program

Texas

Incentive Type: Utility Rebate Program

Eligible Technologies: Photovoltaics

Renewable/Other

Technologies:

Applicable Sectors: Commercial, Residential, Nonprofit, Must be Austin Energy Customer

Incentive Amount: Residential and Commercial: \$4.50/watt AC;
Equipment manufactured (60% minimum) in Austin: up to \$5.60/watt AC

Maximum Incentive: Residential: the lesser of \$13,500 or 80% of invoiced cost;
Commercial and Non-profit: the lesser of \$100,000 or 80% of
invoiced cost

Eligible System Size: Not specified, but incentives are capped

Equipment Requirements: Must use pre-approved modules and inverters (those listed by the California Energy Commission). PV systems must carry a 5-year warranty from the installer in addition to a 10 year manufacturer warranty on inverters in residential applications without battery back-up.

Installation Requirements: Must be grid-connected. Must use a solar installer from the Austin Energy Registered Installer List. Solar installers must be certified by the North American Board of Certified Energy Practitioners (NABCEP) within two years of becoming a Registered Installer.

Program Budget: \$2,950,000 (FY 2008)

Ownership of Renewable Energy

Credits: Austin Energy

Expiration Date: 10/01/2008

Project

Review/Certification Pre-installation inspection will determine rebate eligibility; final : rebate determined upon post-installation inspection

Website: <http://www.austinenergy.com/Energy%20Efficiency/Programs/Rebates/Solar%20Rebates/index.htm>

Summary:

Austin Energy's Solar Rebate Program, launched on June 1, 2004, offers a \$4.50 per watt incentive to eligible residential and commercial customers (including nonprofit organizations) who install photovoltaics on their homes or facilities. For solar installations that use PV equipment manufactured in Austin, the rebate is \$5.60 per watt. For residential customers, the rebate program will pay 80% of customer invoiced cost or \$13,500, whichever is less. For commercial customers, the rebate program will pay 80% of customer invoiced cost or \$100,000, whichever is less. Rebates will only be paid for approved systems installed by approved solar contractors according to the established technical requirements. Depending on the commercial rebate amount, approval from the Austin City Council may be required.

The City Council initially approved \$933,000 in funding for the fiscal year ending September 30, 2004. For 2005, \$2,000,000 was budgeted for solar PV rebates and \$500,000 for PV installations on municipal buildings. For 2006, the solar PV rebate budget was raised to \$3,000,000, while \$450,000 is being allocated for PV installations on municipal buildings.

Austin Energy will provide net metering for customers with solar systems. Any net excess generation at the end of each month will be credited to the following month's bill. However, the credit will be less than retail value -- calculated by multiplying the net kilowatt-hours (kWh) of electricity fed into the grid times the current fuel charge.

An additional requirement is that the renewable energy credits (RECs) and other environmental attributes from participating in this program must be transferred to Austin Energy.

In 2003, the Austin City Council set a 20% by 2020 renewable portfolio standard (RPS)

for Austin Energy with a solar goal of 100 megawatts capacity in the community by 2020. Austin Energy will install demonstration solar projects at schools, libraries and community centers, and is partnering with other city departments to develop the first 'affordable' net-zero energy subdivision in the country, a 100-home subdivision in the city's southeast district.

Contact:

Conservation Information Center - Solar Rebates
Austin Energy
Solar Rebate Program
721 Barton Springs Road
Austin, TX 78704
Phone: (512) 482-5346
Fax: (512) 482-5409
E-Mail: solarrebate@austinenergy.com
Web site: <http://www.austinenergy.com>

Austin Energy - Solar Water Heating Rebate

Texas

Incentive Type: Utility Rebate Program

Eligible Solar Water Heat

Renewable/Other Technologies:

Applicable Sectors: Commercial, Residential, Nonprofit, Schools, Local Government, Institutional

Incentive Amount: Existing Homes: \$2,000 or low interest (0-2%) loan

Amount: New Homes: \$1,500
Commercial: Custom

Maximum

Incentive: Loan Maximum: \$5,000 (single family residences) or \$10,000 (duplexes)

Eligible System Size: System should be sized to accommodate a minimum of 4 people; no

Size: maximum specified

Equipment Requirements: Must use new, SRCC certified equipment and be designed for frost protection

Requirements: and scale elimination or remediation;

Minimum 5-year warranty on major components;

System must pre-heat water for a permanently installed *electric* water heater

Installation Requirements: Must be installed by a licensed contractor;

Requirements: Equipment must meet all applicable Austin city codes and adhere to the city building permit process

Program Budget: \$50,000 (current program year)

Ownership of Renewable

Energy Credits: Austin Energy

Expiration Date: 10/01/2008

Project

Review/Certifica

tion: Austin Energy may perform system inspection(s)

Website: <http://www.austinenergy.com/Energy%20Efficiency/Programs/Rebates/Solar%20Rebates/Solar%20Water%20Heater/index.htm>

Summary:

Austin Energy (AE) offers its residential, commercial, and municipal customers up front rebates or a low interest loan for the purchase and installation of solar hot water heaters. Because the program is in part designed to help Austin Energy reduce peak electricity demand, only systems that preheat water for a permanently installed *electric* hot water heater are eligible to receive the incentive. Rebate levels vary by customer class.

Rebates

- Residential (new construction): \$1,500
- Residential (existing homes): \$2,000 *or low interest loan* (see below)
- Commercial: Custom, determined on a case-by-case basis
- Non-profit, Small Business: May be eligible for a 20% bonus incentive

Loans option details (existing homes)

- Home improvement loans: 0% interest rate over 3, 5, 7, or 10 year term; \$1,500 minimum
- Personal loans: 2% interest rate over 3 or 5 year term; \$500 minimum
- Maximum loan of \$5,000 for single family or \$10,000 for duplexes
- Additional 2% interest rate (added to base rate) for credit scores of 639 and below

All systems must be new, SRCC certified, and sized to accommodate the needs of at least 4 people. Systems must also be designed for frost protection, scale elimination or remediation, and have a 5-year warranty on all major components. The use of existing tanks will be allowed on a case-by-case basis. All systems must be installed by a licensed contractor and comply with all applicable city codes and permitting requirements. Participants must sign an agreement stating their intention to maintain the system in proper working order for at least 5 years and allow AE to inspect the system. Failure to maintain the system may result in repayment of a prorated portion of the rebate. Participants must also sign a Renewable Energy Credit (REC) Assignment Form handing over all RECs produced by the system to AE.

This current program year budget for this program is \$50,000. The program is reassessed on an annual basis each fiscal year in October.

Contact:

Conservation Information Center - Solar Rebates
Austin Energy
Solar Rebate Program
721 Barton Springs Road
Austin, TX 78704
Phone: (512) 482-5346
Fax: (512) 482-5409
E-Mail: solarrebate@austinenergy.com
Web site: <http://www.austinenergy.com>

Big Country Electric Coop - PV Water Pump Sales & Lease Program

Texas

Incentive Type: Leasing/Lease Purchase

Eligible Technologies: Photovoltaics

Renewable/Other Technologies:

Applicable Sectors: Commercial, Residential, Agricultural, All Big Country Electric Coop Members

Lease Terms: 5 years

Participants: 50

Website: <http://www.bigcountry.coop/solar.htm>

Summary:

In 1998, Big Country Electric Cooperative began offering solar water pumping systems to its members. Two 75-watt DC solar panels are used on each standard system. The solar water pumping systems can be leased or sold to provide livestock water delivery where electrical power is either not available or not economically feasible. The selling price is approximately \$2,750 or they can be leased for \$50 per month for a 60-month term, with the first and last month paid up front. Currently, there are approximately 50 completed installations.

Contact:

Ron Acosta
Big Country Electric Cooperative
PO Box 518
Roby, TX 79543
Phone: (325) 776-3903
E-Mail: rona@bigcountry.coop
Web site: <http://www.bigcountry.coop>

Paul Jones
Big Country Electric Cooperative
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Web site: <http://www.bigcountry.coop>

Bryan Texas Utilities - Appliance Loan Program

Texas

Incentive Type: Utility Loan Program

Eligible Efficiency Technologies: Dishwasher, Refrigerators/Freezers, Water Heaters, Ovens, Ranges, Cooktops, Microwaves, Trash Compactors

Applicable Sectors: Residential

Terms: 10% or 8% APR with flexible terms up to 5 years

Website: <http://www.btutilities.com/>

Summary:

Bryan Texas Utilities offers loans to their residential customers to finance new, energy efficient appliances through their Appliance Loan Program. The interest rate for these loans is 8% if the customer takes part in the [Surge Protection Program](#) or 10% if they do not. Loans can be paid off in one to five years according to the following schedule:

- \$300-\$500 up to 1 year
- \$501-\$1000 up to 2 years
- \$1001-\$3000 up to 3 years
- \$3001-\$5000 up to 4 years
- \$5001 + up to 5 years

Interested customers should complete a [Loan Pre-Qualification Form](#).

Contact:

Tim Kiersz
Bryan Texas Utilities
205 E. 28th Street
Bryan, TX 77803
Phone: (979) 821-5715
E-Mail: tkiersz@btutilities.com
Web site: <http://www.btutilities.com>

Bryan Texas Utilities - Commercial Lighting Program	Texas
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Incentive Type: Utility Rebate Program

Eligible Efficiency

Technologies: Lighting

Applicable Sectors: Commercial

Incentive Amount: Varies by project

Installation All rebatable installations must be recommended by a

Requirements: BTU energy service advisor

Project Post-installation inspection will be made by a BTU

Review/Certification: energy service advisor.

Website: [http://www.btutilities.com/
New_Ventures/ESP.aspx#fluorescent](http://www.btutilities.com/New_Ventures/ESP.aspx#fluorescent)

Summary:

Bryan Texas Utilities offers their commercial customers a rebate program to help offset the cost of retrofitting their facilities. Rebates are calculated on a project by project basis. A BTU energy service advisor will survey the existing facility and then compute load reduction, estimated costs, rebates and resulting annual savings from a retrofit. After the retrofit has been completed and the final inspection made rebates are paid directly to the customer.

Contact:

Customer Service
Bryan Texas Utilities - Commercial Lighting Rebate Program

205 E. 28th Street
Bryan, TX 77803
Phone: (979) 821-5700
Fax: (979) 821-5795
E-Mail: webmaster@btutilities.com
Web site: <http://www.btutilities.com>

Bryan Texas Utilities - HVAC Loan Program

Texas

Incentive Type: Utility Loan Program

Eligible Efficiency

Technologies: Air conditioners, Duct/Air sealing

Applicable Sectors: Residential

Terms: 6% financing with up to 5 years to repay

Website: [http://www.btutilities.com/
New_Ventures/ESP.aspx#hvac](http://www.btutilities.com/New_Ventures/ESP.aspx#hvac)

Summary:

Bryan Texas Utilities offers loans to their residential customers to finance the replacement of HVAC equipment through their HVAC Loan Program. Customers can use the financing for equipment, labor and materials costs related to the replacement or installation of an HVAC system in their homes, as well as the replacement and/or repair of ventilation systems. The loan is available to owners of single family, duplex, triplex and fourplex residential dwellings with an appropriate credit history. To participate, customers must submit a [Loan Pre-qualification Form](#) and acquire at least two contractor bids.

Contact:

Tim Kiersz
Bryan Texas Utilities
205 E. 28th Street
Bryan, TX 77803
Phone: (979) 821-5715
E-Mail: tkiersz@btutilities.com
Web site: <http://www.btutilities.com>

Bryan Texas Utilities - Low-Interest Insulation Loan Program

Texas

Incentive Type: Utility Loan Program

Eligible Efficiency

Technologies: Building Insulation

Applicable Sectors: Residential

Terms: Interest is compounded at 4%, loans can be up to \$1,500

Website: [http://www.btutilities.com/
New_Ventures/ESP.aspx#insulation](http://www.btutilities.com/New_Ventures/ESP.aspx#insulation)

Summary:

Bryan Texas Utilities offers loans to their residential customers to finance insulation improvements in their homes through their Low-Interest Insulation Loan Program. Customers may apply for a loan by arranging for a no-cost energy audit of their residence. The Energy Service Advisor will determine the recommended level of additional insulation required. Loan approval (up to \$1,500) is based on the customer's payment history with BTU, and the payments are automatically included in the customer's monthly utility bill. Interest is compounded at 4%.

BTU keeps all relevant [loan applications](#) on file for three months. After that period of time ends, customers will need to fill out and resubmit the pre-qualification information again for approval.

Contact:

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Bryan Texas Utilities
205 E. 28th Street
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Phone: (979) 821-5715
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CenterPoint Energy - Commercial and Industrial Standard Offer Program

Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency

Technologies: Lighting, Heat pumps, Air conditioners, Motors

Eligible Geothermal Heat Pumps

Renewable/Other

Technologies:

Applicable Sectors: Commercial, Industrial

Incentive Amount: The program pays incentives for demand and energy savings at the following standard rates:

Demand: \$175/kW

Energy: \$0.060/kWh

Website: <http://www.centerpointcisop.com/>

Summary:

CenterPoint Energy has designed the C&I Standard Offer Program to encourage electric energy efficiency improvements that go above and beyond the efficiency gains typically achieved in retrofit or replacement projects. Consequently, energy and demand savings credit is based only on reductions that exceed current state and federal minimum efficiency standards, wherever such standards apply. In cases where these standards do not exist, savings credit is based on improvements relative to a customer's energy use prior to participating in the program.

The C&I Standard Offer Program pays Project Sponsors incentives based on the savings in peak demand and in energy that their projects achieve. Demand savings incentives

are paid for the maximum one-hour average demand reduction that occurs when the newly installed system is operating at peak conditions during the summer period. The summer period is defined as weekdays, between the hours of 1 P.M. and 7 P.M., from May 1 until September 30, excluding holidays. Incentives for energy savings are paid for the total amount of energy savings achieved by a project over a 12-month period. A project's demand and energy savings are determined from deemed values or other measurement and verification activities.

Those interested in the Commercial and Industrial Standard Offer Program might also be interested in the [Retro-Commissioning Program](#). The Retro-Commissioning Program is designed to achieve energy and peak demand savings in the CenterPoint Energy service territory. Savings are realized through the systematic evaluation of electric energy-using systems and subsequent implementation of low-cost measures. These measures target system operation and maintenance opportunities.

Contact:

David Dzierski
CenterPoint Energy
PO Box 1700
Houston, TX 77251-1700
Phone: (713) 207-7762
E-Mail: david.dzierski@centerpointenergy.com
Web site: <http://www.centerpointefficiency.com/contacts.htm>

CenterPoint Energy - Residential and Small Commercial Standard Offer Program Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Dishwasher, Refrigerators/Freezers, Water Heaters, Lighting, Air

conditioners, Caulking/Weather-stripping, Building Insulation, Windows

Applicable Sectors: Commercial, Residential, Multi-Family Residential

Funding Source: Funding provided by the regulated electric utility for this program is approved by the Public Utility Commission of Texas in support of statewide energy efficiency efforts.

Website: <http://www.centerpointressop.com>

Summary:

Your local electric utility is charged with the responsibility to administer this program. The program is designed to be simple and beneficial for all parties involved. In short, contractors agree with you to do projects that promote energy efficiency and CenterPoint Energy agrees to pay the contractor a price established by the Public Utility Commission of Texas. The contractor is not part of, or endorsed by the commission or the utility. CenterPoint Energy is not a party to the agreement between you and your contractor, and the contractor is solely responsible for the performance of the work and contract fulfillment.

Beginning in the 2007 Program Year, each company which includes duct efficiency as a measure in the Residential and Standard Offer Programs may be required to employ at least one certified HERS rater. A copy of that certification may be required in order to participate as a duct efficiency program sponsor.

Contact:

Yolanda Slade
CenterPoint Energy
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Houston, TX 77251-1700
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E-Mail: yolanda.slade@centerpointenergy.com
Web site: <http://www.centerpointefficiency.com/contacts.htm>

College Station Utilities - Residential Energy Back II Rebate Program

Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency

Technologies: Heat pumps, Air conditioners

Eligible Geothermal Heat Pumps

Renewable/Other

Technologies:

Applicable Sectors: Residential

Incentive Amount: Central Air Conditioners, Air to Air Heat Pumps, or Geothermal Heat Pumps: \$200 - \$600, varies by efficiency rating

Eligible System Size: Units must be sized no more than 12,000 BTU's (1 Ton) for every 500 square feet of conditioned space

Equipment

Requirements: Minimum SEER rating of 14

Project

Review/Certification: Must be inspected post-installation

Website: <http://www.cstx.gov/home/index.asp?page=808>

Summary:

College Station Utilities offers an incentive for its residential customers to install energy efficient HVAC equipment through their Energy Back II Program. To qualify for the rebate, the A/C system must be a minimum of 14 SEER or higher. Both the evaporator coil (inside unit) and the condensing unit (outside unit) must be replaced as a matching system as rated by in the Air-Conditioning & Refrigeration Institute directory. Units must be installed in accordance with the current ICC building and City of College Station Codes, and the equipment and installation must be inspected by a City of College Station building inspector and approved by College Station Utilities Energy Conservation Division prior to payment of rebate. [Applications](#) are available online, at College Station Utilities' Development Services office, or through local air conditioning dealers.

Contact:

Energy Department
College Station Utilities
PO Box 9960
College Station, TX 77842
Phone: (979) 764-3724
Fax: (979) 764-3452

CPS Energy - Commercial Energy Efficiency Rebates

Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Lighting, Air conditioners, Windows, Roofs, Motors, Custom (pre-approval required)

Applicable Sectors: Commercial, Industrial, All Non-residential CPS Energy Customers

Incentive Amount: **Motors, Lighting, Custom:** \$150 per kW saved

Roof Coating: \$0.10 per square foot

Window Coating: \$0.40-0.60 per square foot, depending on treatment

AC: Varies by efficiency

Maximum Incentive: \$50,000 per customer or 50% of cost, whichever is less, except up to 75% of project cost for lighting retrofits with an aggregate demand reduction of 100 kW or greater

Eligible System Size: AC: capacity of greater than 5 tons (all units combined)

Equipment

Requirements: Varies by technology

Program Budget: \$96 million through 2011 (total, all residential and commercial programs)

Expiration Date: 11/01/2008

Project

Review/Certification: Pre- and post- site and equipment inspections required

Website: http://www.cpsenergy.com/content_listInternet.asp?cont_id=6257&elmt_id=13

Summary:

CPS Energy, San Antonio's municipal electric utility, offers energy efficiency rebates for its commercial electric customers. Rebates are available for several defined energy efficiency improvements, but may also be available for customized measures that reduce electricity demand. Rebates vary by the specific improvement measure employed, with custom measures eligible for a rebate of \$150 per kilowatt (kW) saved on energy demand. The following types of improvements, however, are not eligible to receive a rebate:

- Plug loads (i.e., office equipment)
- Self generation or cogeneration
- Measures that rely on behavioral changes and require no capital investment
- Fuel switching to electric
- Measures receiving a rebate through other CPS Energy programs

In general, these rebates are available to all non-residential customers that operate daily from 2 PM to 8 PM on weekdays. Equipment must be new and used equipment must not be used within the San Antonio service area. Rebates are limited to \$50,000 per customer per year or 50% of the total cost. All applications require both a pre- and post-

site inspection by CPS Energy personnel. In addition all improvements must exceed local, state, and national minimum efficiency standards and comply with all applicable codes and permits. The overall CPS efficiency rebate program is scheduled to run through 2011, however, the program is subject to funding limitations and annual expiration of details and guidelines.

CPS Energy also offers rebates for residential energy efficiency measures, solar photovoltaic (PV), and solar thermal systems. A total of \$96 million will be available for all of these programs through 2011. Additional details, including application information, equipment requirements, and detailed incentive information can be found at the program website listed at the top of this page.

Contact:

Kenneth Gunn
CPS Energy
PO Box 1771
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Phone 2: (210) 353-2728
Fax: (210) 353-5707
E-Mail: ckgunn@cpsenergy.com
Web site: <http://www.cpsenergy.com>

CPS Energy - Residential Energy Efficiency Rebate Program

Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Lighting, Air conditioners, Duct/Air sealing, Building Insulation, Windows, Roofs, Comprehensive Measures/Whole Building, Solar Screens and Film, Solar Attic Fans

Applicable Sectors: Residential, Must be CPS Energy Customer

Incentive Amount: **Central A/C:** \$110/ton - \$160/ton, varies by efficiency

Room A/C (window unit): \$50 or \$100, varies by capacity

Attic, Ceiling Insulation and Wall Insulation: \$0.15 per square foot installed

Compact Fluorescent Light Bulbs (CFL): \$2 off single packs, \$4 off multi-packs (in-store coupons in local Home Depot and H-E-B stores)

Energy Star Windows: \$1.00 per square foot of window

Solar Screens and Film: \$0.15 per square foot

Duct Testing: 20% of cost up to \$50

Duct Repair and Sealing: 50% of cost up to \$250

Duct Insulation and Replacement: 20% of cost up to \$1,000

Solar Attic Fans: 20% of cost up to \$200

Attic Radiant Barrier: \$0.10 per square foot up to 20% of cost

Energy Star Cool Roof: \$0.10 per square foot on steep slopes, \$0.20 per square foot on low slopes

Multiple Measure Bonus: 10% of cost up to \$100 (two

measures), 15% of cost up to \$150 (three or more measures)

Whole House (new construction only): \$400 per ton of air conditioning reduction in the living area of the home

Maximum \$2,500 (total for all rebates during the program year,

Incentive: excluding central AC, window replacement, and compact fluorescent lighting)

Equipment

Requirements: Varies by technology, see program site for details

Program Budget: \$96 million through 2011 (residential and commercial rebates combined)

Expiration Date: Annually, new offers will be made each year until 2011

Website: http://www.cpsenergy.com/content_listInternet.asp?cont_id=10377&elmt_id=13

Summary:

Note: This program is now closed to new applicants, but is expected to be reactivated during the summer of 2008.

CPS Energy offers a variety of rebates for energy efficiency related improvements to residential homes. Rebate calculation methods, limits, and equipment requirements vary by technology and sometimes by existing home characteristics. The total amount of rebates is limited to \$2,500 per customer per year, excluding rebates for central AC replacement, window replacement, and compact fluorescent lighting (CFL). Customers completing two separate home improvements are eligible for a bonus of 10% of the total project cost up to \$100, while those completing three or more improvements eligible to receive an additional rebate of 15% of the total cost up to \$150. Duct testing is not considered a separate improvement.

Newly constructed homes are only eligible to receive rebates for air conditioners, whole building measures, and Energy Star Cool Roofs. Renovations of existing homes are eligible to receive all of the rebates listed above (subject to the total rebate limit) with the exception of the whole building rebate. In addition, these rebates only apply to living areas of homes, so garages and storage areas (newly constructed or renovated) are not eligible for rebates.

CPS Energy also offers energy efficiency rebates for commercial and industrial facilities, as well as rebates for solar photovoltaic (PV) and solar thermal systems. A list of stores participating in the CFL coupon program is available from the program website, along with details on applications and equipment requirements.

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PO Box 1771
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Phone: (210) 353-2615
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Fax: (210) 353-5707
E-Mail: ckgunn@cpsenergy.com
Web site: <http://www.cpsenergy.com>

Incentive Type: Utility Rebate Program

Eligible: Solar Water Heat

Renewable/Other Technologies:

Applicable Sectors: Commercial, Industrial, Residential, Nonprofit, Institutional, Must be CPS Energy Customer

Incentive Amount: \$0.30 per kWh saved annually (conventional 50 gallon electric water heater)

Maximum Incentive: \$800

Equipment Requirements: Must have a permanently installed electric back-up;

Requirements: Systems must be SRCC ORG-300 certified and have a 5 year manufacturer warranty

Installation Requirements: System must meet all applicable codes and be installed

Requirements: by a CPS Energy registered installer; System must be designed for frost protection and scale elimination or remediation

Program Budget: \$96 million (all residential and commercial rebates through 2011)

Ownership of Renewable Energy

Credits: CPS Energy, unless required for LEED certification

Expiration Date: 2011 (overall program)

Project

Review/Certification: Post installation inspection required

Website: http://www.cpsenergy.com/content_listInternet.asp?cont_id=10660&elmt_id=13

Summary:

As part of a larger program designed to reduce electricity demand within its service territory, CPS Energy now offers rebates for solar water heaters to its customers. In general, any CPS Energy customer is eligible to receive the rebate, however, systems must have a permanently installed electric backup system. Rebates will be calculated according to the annual savings estimated by the system's Solar Rating Certification Corporation (SRCC) rating as applied in the San Antonio area. Estimated annual electricity savings will be multiplied by a standard rate of \$0.30/kilowatt-hr (kWh) in order to determine the value of the one-time rebate. The minimum rebate is \$400 and the maximum rebate is \$800, however, there are no explicit size limitations on eligible systems.

Customers will be responsible for choosing their own contractor from a list of CPS Energy registered installers and are also responsible for obtaining all applicable permissions and permits associated with the installation and operation of the system. Applicants will be required to sign over all renewable energy credits (RECs) produced by the system to CPS Energy, unless the RECs are required for LEED* certification. All applications must be submitted and approved before the installation of the system. Motors, pumps, batteries, and all other devices associated with the operation of the solar water heating system will not be covered by the rebate.

CPS Energy also offers rebates for solar photovoltaic (PV) systems and commercial and residential energy efficiency improvements. For further details on this program, please consult the program website listed at the top of this page.

*Click [here](#) for more information on the United States Green Building Council's Leadership in Energy and Environmental Design (LEED) Green Building Rating System.

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E-Mail: ckgunn@cpsenergy.com
Web site: <http://www.cpsenergy.com>

CPS Energy - Solar PV Rebate Program	Texas
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Incentive Type: Utility Rebate Program

Eligible Photovoltaics

Renewable/Other Technologies:

Applicable Sectors: Commercial, Industrial, Residential, Nonprofit, Institutional, Must be CPS Energy Customer

Incentive Amount: \$3.00 per AC watt standard, may be altered based on inspection results

Maximum Incentive: Residential: \$10,000 or 50% of cost;
Non-residential: \$50,000 or 50% of cost

Eligible System Size: Not specified, special considerations apply to systems larger than 100 kW

Equipment Requirements: PV modules and inverters must be listed on the California Energy Commission (CEC) website;
Warranties: Installer 1 year, PV Module 20 years, Inverter 5 years

Installation Requirements: CPS Energy registered installer (must have NABCEP certification within 2 years);
Systems should be South oriented with at least 260 square feet of unobstructed space.

Program Budget: \$96 million (all residential and commercial rebates through 2011)

Ownership of Renewable Energy

Credits: CPS Energy, unless RECs required for LEED certification

Expiration Date: 2011 (overall program)

Project Review/Certification: Pre-inspection by CPS Energy required to determine eligibility;
Final inspection will determine rebate level

Website: [http://www.cpsenergy.com/
content_listInternet.asp?cont_id=10657&elmt_id=13](http://www.cpsenergy.com/content_listInternet.asp?cont_id=10657&elmt_id=13)

Summary:

CPS Energy, San Antonio's municipal utility, offers rebates to customers who install solar photovoltaic (PV) systems on their homes or property. The standard rebate is \$3.00 per watt AC, but final rebate levels will be determined upon a final inspection from the utility. Unfavorable shading, angles or direction may influence the final rebate amount. The rebate is available to all CPS Energy customers and there are no explicit size limitations. CPS Energy will offer special considerations for systems larger than 100 kilowatts (kW), but such systems remain eligible for rebates. The maximum rebate for residential systems is \$10,000 or 50% of the invoice cost, whichever is less. For non-residential systems the maximum rebate is \$50,000 or 50% of the invoice cost.

On an individual basis, rebate eligibility will be determined by a pre-inspection of the site. In order to ensure that rebated systems are efficient, safe, and productive, numerous equipment and installation requirements will apply. System owners are responsible for obtaining all applicable permits and permissions required to install and operate the system and all work must be performed in accordance with all applicable federal, state, local, and manufacturer's codes and standards. For condominium developments wishing to work under the commercial rebate limitations, the electrical connection must occur through a commercial meter. CPS publishes interconnection guidelines for systems smaller than 25 kW. Rules for larger systems will be determined on a case-by-case basis. Rebate recipients will be required to sign an agreement handing over all of the renewable energy credits (RECs) produced by the system to CPS Energy unless the RECs are required for LEED* certification.

For further information, please consult the program website listed at the top of this page. CPS also offers rebates for solar thermal systems, as well as rebates for residential and commercial energy efficiency improvements.

**Click [here](#) for more information on the United States Green Building Council's Leadership in Energy and Environmental Design (LEED) Green Building Rating System.*

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Denton Municipal Electric - EnergySave Rebate Program

Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Heat pumps, Air conditioners, Comprehensive Measures/Whole

Building

Eligible Renewable/Other Technologies:

Applicable Sectors: Commercial, Residential

Incentive Amount: Central A/C: \$600/unit
Central Heat Pumps: \$700/unit
Geothermal Heat Pumps: \$700/unit
Room A/C: \$50/unit
Room Heat Pumps: \$50/unit
Structure Incentive: \$2,000/structure

Equipment Requirements: Central A/C: Minimum SEER 16
Central Heat Pumps: Minimum SEER 16
Geothermal Heat Pumps: Minimum SEER 16
Room A/C: Minimum EER 12
Room Heat Pumps: Minimum EER 12
Structure Incentive: Must meet program's equipment requirements

Website: <http://www.dmepower.com/index.cfm?Section=4&Page=17>

Summary:

Denton Municipal Electric offers a variety of incentives for its residential and commercial customers to install energy efficient equipment through their EnergySave Program. Rebates are available for qualified [HVAC equipment](#), including central A/C and heat pumps, geothermal heat pumps, and room air conditioners and heat pumps.

A separate incentive grants \$2,000 to builders and developers of single-family homes, who meet the following energy efficiency criteria set forth by the program:

- 1.5 ton or above central air conditioner or heat pump having a minimum Seasonal Energy Efficiency Rating (SEER) of 14.
- Minimum insulation of:
 - R49 - ceiling
 - R30 - under-decking
 - R30 - cathedral or vaulted ceiling
 - R30 - floor
 - R13 - wall cavity

- Exterior glass which meets minimum high-efficiency standards
- EnergyStar approved programmable thermostats
- Must meet radiant barrier decking specifications
- Acceptable ventilation
- Homebuilders must comply with all applicable restrictions and guidelines set forth by the International residential Code (IRC)

Contact:

Director of Electric Utilities
Denton Municipal Electric
901A Texas Street
Denton, TX 76201

Phone: (940) 349-8700
Web site: <http://www.dmepower.com>

Entergy Texas - Large Commercial and Industrial Standard Offer Program Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency

Technologies: Lighting, Custom/Others pending approval

Applicable Sectors: Commercial, Industrial

Incentive Amount: \$174 per kW reduction, \$0.059 per annual kWh saved

Maximum Up to \$85,069 (20% of the program's budget in a given

Incentive: funding year). Maximum payment per kW reduction - \$435.

Eligible System Size: Each project must include a total estimated demand reduction of at least 20 kW during the summer peak period. Entergy defines the summer peak period as the hours occurring between 1 PM and 7 PM, Monday through Friday, for the months of May through September, excluding Independence Day and Labor Day.

Equipment Requirements: As a general rule, measures involving "plug loads" (equipment or appliances that are plugged into standard electrical outlets) are not permitted. This restriction may be waived by Entergy if the Project Sponsor provides reasonable assurance that the energy and/or demand savings associated with such measures are likely to persist over a 10-year period of time and that quantifiable energy and/or demand reduction meeting the requirements of the PUCT's Energy Efficiency Rule can indeed be achieved through the proposed measure(s).

Program Budget: \$425,437 allocated for 2007

Website: http://www.energy-texas.com/energy_efficiency/ci_overview.aspx

Summary:

Entergy has designed the C&I Standard Offer Program to encourage electric energy-efficiency improvements that go above and beyond the efficiency gains typically achieved in retrofit or replacement projects. Consequently, energy and demand savings credit will be based only on reductions that exceed current industry accepted minimum efficiency standards, where applicable. The equipment efficiency standards listed below will be used to determine the baseline efficiency.

For new construction projects, the C&I Standard Offer Program requires the installation of equipment that is more efficient than is specified by code. The applicable baseline standard for all new construction measures is ASHRAE/IESNA Standard 90.1-1999. Energy and demand savings for new construction measures are based on efficiency improvements beyond the minimum efficiency required by code.

Under no circumstances will Entergy make a total incentive payment (i.e., the sum of the Installation Payment and the Performance Payment) that is more than 100% of the total

estimated incentive payment specified in the C&I SOP Agreement. If the Savings Report indicates that the measured savings are less than the estimated savings, then the total incentive payment will be less than the payment estimated in the Agreement. If the above formula results in a negative amount, the Project Sponsor must refund that amount to Entergy within 30 days of the submittal of the Savings Report.

Contact:

Entergy Customer Service
Entergy Texas
, TX
Phone: (800) 968-8243
Web site: http://www.energy-texas.com/Contact_Us/contact_us.aspx

Entergy Texas - Residential and Small Commercial Standard Offer Program	Texas
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Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies:

Applicable Sectors: Commercial, Residential

Incentive Amount: Payment per kW reduction - \$226, payment per annual kWh Saved - \$0.077

Maximum Incentive: For residential and small commercial customers, the incentive prices may not exceed 50% of the avoided cost of supplying electricity.

Website: http://www.energy-texas.com/energy_efficiency/res_overview.aspx

Summary:

The Residential and Small Commercial Standard Offer Program (Res/Com SOP) provides incentives for the retrofit installation of a wide range of measures that reduce energy costs, reduce peak demand and save energy in residential and small commercial facilities. This program is designed to achieve a high level of energy and demand savings in the residential and small commercial sector. The program does not prescribe technologies or end uses, but provides a framework through which energy efficiency service providers can receive incentives for implementing and installing a wide range of measures at customer sites. The primary objective of this program is to achieve cost-effective reduction in peak summer demand.

Under no circumstances will Entergy make a total incentive payment (i.e., the sum of the Implementation Payment and the Performance Payment) that is more than 100% of the total estimated incentive payment specified in the Res/Com SOP Agreement. If the final M&V Report indicates that the measured savings are less than the estimated savings, then the total incentive payment will be less than the payment estimated in the Res/Com SOP Agreement.

Contact:

Entergy Customer Service
Entergy Texas
, TX

Phone: (800) 968-8243

Web site: http://www.energys-texas.com/Contact_Us/contact_us.aspx

Farmers Electric Cooperative - Marathon Water Heater Rebate Program

Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency

Technologies: Water Heaters

Applicable Sectors: Commercial, Industrial, Residential, Agricultural

Incentive Amount: Marathon Water Heaters: \$100 per unit

Eligible System

Size: 40 gallons or larger

Website: <http://www.fecelectric.com/fecinternet2005/01-MyAccount/06-ServicesAndPrograms.asp>

Summary:

Farmers Electric Cooperative offers a rebate to its residential, commercial, industrial and agricultural members on the purchase of highly efficient marathon water heaters. The \$100 rebate comes in the form of a credit on the member's utility bill.

Contact:

Rebates

Farmers Electric Cooperative

2000 East I-30

P.O. Box 6037

Greenville, TX 75403

Phone: (903) 455-1715

E-Mail: CustomerServ@FecElectric.com

Web site: <http://www.fecelectric.com/fecinternet2005/default.asp>

Farmers Electric Cooperative - Residential/Agricultural Energy Efficiency Rebate Program

Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency

Technologies: Water Heaters, Heat pumps

Eligible Geothermal Heat Pumps

Renewable/Other

Technologies:

Applicable Sectors: Residential, Agricultural

Incentive Amount: Electric Water Heaters: \$100
Air-Source Heat Pumps: \$150
Geothermal Heat Pumps: \$1,000

Equipment Electric Water Heaters: Minimum EER Rating of .92
Requirements: Air-Source Heat Pumps: Minimum SEER Rating of 14.0
Website: <http://www.fecelectric.com/fecinternet2005/01-MyAccount/07-Residential.asp>

Summary:

Farmers Electric Cooperative offers incentives for its residential members to increase the energy efficiency of their homes. Rebates are available for qualifying [air source heat pumps](#), [geothermal heat pumps](#), and [electric water heaters](#). Eligible equipment can be either new or replacement units which meet the efficiency requirements.

Contact:

Rebates
Farmers Electric Cooperative
2000 East I-30
P.O. Box 6037
Greenville, TX 75403
Phone: (903) 455-1715
E-Mail: CustomerServ@FecElectric.com
Web site: <http://www.fecelectric.com/fecinternet2005/default.asp>

Guadalupe Valley Electric Cooperative - Conservation Plan 7 Loan Program	Texas
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Incentive Type: Utility Loan Program

Eligible Efficiency Technologies: Water Heaters, Lighting, Heat pumps, Duct/Air sealing, Building Insulation, Windows, Doors

Applicable Sectors: Commercial, Residential

Terms: \$7,000 financing, with 7 years to pay it back at a 7% interest rate
Loans require a 10% down payment plus sales tax

Website: http://www.gvec.org/safety_con/plan_7.shtml

Summary:

Guadalupe Valley Electric Cooperative offers an incentive for its members to increase the energy efficiency of their existing homes and facilities through their Conservation Plan 7 Loan Program. The loan program provides funds up to \$7,000 for GVEC members to make energy-saving improvements at a low 7% interest rate. Energy-efficient items that may be financed include:

- Insulating windows and doors
- Attic and wall insulation
- Central electric heat pump units and central ductwork
- Electric water heaters, heat exchangers, and hot water banks
- Load shedding equipment, energy-saving lighting fixtures, and commercial building energy-management systems
- Other low-cost energy conservation improvements may qualify and be included in the financing package

Loans do require a 10% down payment plus sales tax, and certain qualifications must be met.

Contact:

Member Services
Guadalupe Valley Electric Cooperative
PO Box 118
Gonzales, TX 78629
Phone: (800) 223-4832
E-Mail: info@gvec.org
Web site: <http://www.gvec.org/>

LoanSTAR Revolving Loan Program	Texas
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Incentive Type: State Loan Program

Eligible Efficiency Technologies: Lighting, Chillers, Furnaces, Boilers, Heat pumps, Air conditioners,

Energy Mgmt. Systems/Building Controls, Building Insulation, Custom/Others pending approval

Applicable Sectors: Schools, Local Government, State Government, Hospitals

Amount: Recent loans have ranged from \$8,000 to \$4.7 million

Maximum Amount: \$5 million

Terms: Current interest rates are 3% APR. Loans are repaid through energy cost savings. Projects must have an average payback of 10 years or less.

Project Review/Certification: Detailed Energy Assessment Report must be prepared according to LoanSTAR Technical Guidelines, available on the program website. SECO performs design specification review.

Funding Source: Revolving Loan Fund

Website: <http://seco.cpa.state.tx.us/lis.htm>

Summary:

Through the State Energy Conservation Office, the LoanSTAR Program offers low-interest loans to all public entities, including state, public school, colleges, university, and non-profit hospital facilities for Energy Cost Reduction Measures (ECRMs). Such measures include, but are not limited to: HVAC, lighting, and insulation. Funds can be used for retrofitting existing equipment or, in the case of new construction, to finance the difference between standard and high efficiency equipment. The LoanSTAR Program funds "Design, Bid, Built" or "Design, Built" projects. All projects are approved based on the Detailed Energy Assessment Report, which must be prepared according to LoanSTAR Technical Guidelines or the Performance Contracting Guidelines. SECO performs design specification review and on-site construction monitoring at the very minimum when the project is 100% complete. Repayment of the loans does not begin until after the work is completely finished.

Applications are available on the program website. The technical guidelines for the LoanSTAR program can be found [here](#).

Contact:

Theresa Sifuentes
Comptroller of Public Accounts
State Energy Conservation Office
111 E. 17th Street, Room 1114
Austin, TX 78701
Phone: (512) 463-1896
Fax: (512) 475-2569
Web site: <http://www.seco.cpa.state.tx.us/>

Magic Valley Electric Cooperative - Value Incentives Program (VIP)

Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency

Technologies: Heat pumps, Air conditioners

Applicable Sectors: Residential

Incentive Amount: Central A/C: \$200 - \$250, varies by efficiency rating
Heat Pumps: \$250 - \$350, varies by efficiency rating

Eligible System Size: The air-condition capacity sizing ratio must exceed 500 square feet per ton.

Equipment

Requirements: Minimum 13 SEER

Installation Must be installed by an Air-conditioning contractor with

Requirements: a valid Texas air-conditioning contractor license.

Expiration Date: 12/31/2008

Project

Review/Certification: MVEC reserves the right to inspect all installations.

Website: <http://www.magicvalley.coop/Electric-Service/Residential/Rebates>

Summary:

Magic Valley Electric Cooperative's Value Incentive Program (VIP) offers consumers incentives for the replacement of central heat pump systems, central conventional cooling systems, or dual fuel systems for single family dwellings. The rebate varies depending on the equipment type and efficiency rating, and it is not valid for new construction. MVEC also provides rebates to A/C dealers to encourage them to sell energy efficient units. Dealers can receive a \$40 rebate for selling A/C units with a 13 SEER or greater, and \$50 for selling heat pumps with a 13 SEER or greater.

Contact:

Customer Service
Magic Valley Electric Cooperative
PO Box 267
Mercedes, TX 78570
Phone: (866) 225-5683
Web site: <https://www.magicvalley.coop/>

Incentive Type: Sales Tax Exemption

Eligible Efficiency Technologies: Dishwasher, Dehumidifiers, Lighting, Air conditioners, Programmable Thermostats, Clothes Washers, Ceiling Fans

Applicable Sectors: General Public/Consumer

Amount: 100% of sales and use tax (6.25% - 8.25% depending on local jurisdiction)

Maximum: Air conditioners: sale price of less than \$6,000;

Incentive: Refrigerators: sale price of less than \$2,000;
No limit on total purchases.

Equipment

Requirements: Must meet federal Energy Star efficiency requirements

Authority 1: HB 3693

Date Enacted: 6/15/2007

Effective Date: 9/1/2007

Website: <http://www.window.state.tx.us/taxinfo/sales>

Summary:

Under Section 16 of HB 3693 (2007), purchases of certain energy-efficient products during Memorial Day weekend are exempt from the state sales and use tax. This amounts to a three-day tax holiday beginning on the Saturday preceding the last Monday in May (Memorial Day) and ending on that same Monday. The state sales and use tax rate is presently 6.25%; some local jurisdictions add an additional levy of up to 2%. The state exemption applies to both the state and local portion (if one exists) of the tax. Although the eligibility of some products is limited according to their sale price, there are no limitations on the total value or number of products exempt from sales tax. This incentive is available only for the following types of products that meet federal [Energy Star](#) requirements:

- Air conditioners with a sales price of less than \$6,000
- Refrigerators with a sales price of less than \$2,000
- Clothes washers
- Dishwashers
- Dehumidifiers
- Ceiling fans
- Incandescent or fluorescent light bulbs
- Programmable thermostats

For further information, contact the office of the Texas Comptroller of Public Accounts.

Contact:

Information Officer
Comptroller of Public Accounts
Tax Policy Division
Post Office Box 13528, Capitol Station
Austin , TX 78711-3528
Phone: (800) 252-5555
E-Mail: tax.help@cpa.state.tx.us

Oncor Energy - Residential and Small Commercial Energy Efficiency Program

Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Water Heaters, Heat pumps, Air conditioners, Caulking/Weather-stripping, Duct/Air sealing, Building Insulation, Energy Star Appliances

Applicable Sectors: Commercial, Residential, Low-Income Residential

Website: <http://www.txelectricdelivery.com/electricity/teem/consumer/res/>

Summary:

This program encourages the installation of energy efficiency measures in residential consumer homes and small commercial businesses. See the listed website for more details.

Oncor also has a Low-Income Weatherization Program. The program encourages the installation of energy efficiency measures in a consumer's home whose annual household income is at or below 200 percent of the federal poverty guidelines. Details on the program can be found [here](#).

Contact:

Customer Service
Oncor Electric Delivery
P.O. Box 660476
Dallas, TX 75266-0476
Phone: (866) 728-3674
E-Mail: eecustinfo@oncor.com
Web site: <http://www.txelectricdelivery.com/contact/offices.aspx>

Oncor Energy - Star Homes Program

Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Comprehensive Measures/Whole Building

Applicable Sectors: Commercial, Residential, Construction, Installer/Contractor

Website: <http://www.txelectricdelivery.com/electricity/teem/consumer/starhomes/>

Summary:

This program is offered to homebuilders in the Oncor service area to encourage the construction of ENERGY STAR homes, which are at least 15 percent more energy efficient than homes built to the Texas building code. More information on Energy Star homes can be found [here](#).

Oncor also provides an incentive to encourage the "high performance installation" of air conditioning and heat pump equipment. A properly installed unit and duct system runs more efficiently and saves energy. More information on the program can be found [here](#).

Contact:

Customer Service
Oncor Electric Delivery
P.O. Box 660476
Dallas, TX 75266-0476
Phone: (866) 728-3674
E-Mail: eecustinfo@oncor.com
Web site: <http://www.txelectricdelivery.com/contact/offices.aspx>

Pedernales Electric Cooperative - HVAC Rebate Program	Texas
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Incentive Type: Utility Rebate Program

Eligible Efficiency

Technologies: Heat pumps, Air conditioners

Applicable Sectors: Commercial, Residential

Incentive Amount: A/C with gas furnace: \$225 per unit
Air-to-air heat pump with electric backup: \$350 per unit
Dual-fuel heat pump or ground- or water-source heat pump: \$500 per unit

Equipment

Requirements: Minimum 14 SEER/EER

Website: <http://www.pec.coop/Services/HVACRebate.aspx>

Summary:

Pedernales Electric Cooperative offers equipment rebates to its members who install energy efficient HVAC equipment. Eligible equipment includes A/C systems with a gas furnace, air-to-air heat pumps with electric backup, and dual-fuel heat pumps or ground-source or water-source heat pumps. The amount of the rebate varies according to which type of system is installed. The rebate only applies to replacement equipment, and both indoor and outdoor units must be replaced on the same installation date to be eligible for rebates. The replacement of those systems must include the outside condensing unit, indoor evaporator coil, fan section, and heating system (except those with a gas furnace). No partial replacement systems will be eligible for rebates. Additional [program requirements](#) apply. See website for full details.

Contact:

Conservation Section
Pedernales Electric Cooperative
PO Box 1
Johnson City, TX 78636-0001
Phone: (888) 554-4732 Ext.5248
Phone 2: (512) 219-2613
Web site: <http://www.pec.coop/>

Incentive Type: Property Tax Exemption

Eligible Renewable/Other Technologies: Passive Solar Space Heat, Solar Water Heat, Solar Space Heat, Solar Thermal Electric, Solar Thermal Process Heat, Photovoltaics, Wind, Biomass, Storage Technologies, Solar Pool Heating, Anaerobic Digestion

Applicable Sectors: Commercial, Industrial, Residential

Amount: 100%

Max. Limit: None

Authority 1: Texas Statutes § 11.27

Date Enacted: 1981

Authority 2: Exemption handbook

Website: http://www.seco.cpa.state.tx.us/re_incentives.htm

Summary:

The Texas property tax code allows an exemption of the amount of the appraised property value that arises from the installation or construction of a solar or wind-powered energy device that is primarily for the production and distribution of thermal, mechanical, or electrical energy for on-site use, or devices used to store that energy. "Solar" is broadly defined to include a range of biomass technologies.

"Solar energy device" means an apparatus designed or adapted to convert the radiant energy from the sun, including energy imparted to plants through photosynthesis employing the bioconversion processes of anaerobic digestion, gasification, pyrolysis, or fermentation, but not including direct combustion, into thermal, mechanical, or electrical energy; to store the converted energy, either in the form to which originally converted or another form; or to distribute radiant solar energy or the energy to which the radiant solar energy is converted.

"Wind-powered energy device" means an apparatus designed or adapted to convert the energy available in the wind into thermal, mechanical, or electrical energy; to store the converted energy, either in the form to which originally converted or another form; or to distribute the converted energy.

Use Texas Property Tax [Form 50-123](#), "Exemption Application for Solar or Wind-Powered Energy Devices" to claim this exemption.

Contact:

Pam Groce
Comptroller of Public Accounts
State Energy Conservation Office
111 East 17th Street, Room 1114
Austin, TX 78774
Phone: (512) 463-1889
Fax: (512) 475-2569
E-Mail: pam.groce@cpa.state.tx.us
Web site: <http://www.seco.cpa.state.tx.us>

Incentive Type: Industry Recruitment/Support

Eligible Solar Water Heat, Solar Space Heat, Solar Thermal Electric, Solar

Renewable/Other Technologies: Thermal Process Heat, Photovoltaics, Wind

Applicable Sectors: Commercial, Industrial

Amount: All

Max. Limit: None

Terms: N/A

Authority 1: Texas Statutes § 171.056

Date Enacted: 1981

Effective Date: 1982

Website: [http://www.seco.cpa.state.tx.us/
re_incentives-taxcode-statutes.htm#171](http://www.seco.cpa.state.tx.us/re_incentives-taxcode-statutes.htm#171)

Summary:

A corporation in Texas engaged solely in the business of manufacturing, selling, or installing solar energy devices is exempted from the franchise tax. The franchise tax is Texas's equivalent to a corporate tax; their primary elements are the same. There is no ceiling on this exemption, so it is a substantial incentive for solar manufacturers.

For the purposes of this exemption, a solar energy device means "a system or series of mechanisms designed primarily to provide heating or cooling or to produce electrical or mechanical power by collecting and transferring solar-generated energy. The term includes a mechanical or chemical device that has the ability to store solar-generated energy for use in heating or cooling or in the production of power." Under this definition wind energy is also listed as an eligible technology.

Texas also offers a [franchise tax deduction](#) for solar energy devices which also includes wind energy as an eligible technology.

Contact:

Pam Groce
Comptroller of Public Accounts
State Energy Conservation Office
111 East 17th Street, Room 1114
Austin, TX 78774
Phone: (512) 463-1889
Fax: (512) 475-2569
E-Mail: pam.groce@cpa.state.tx.us
Web site: <http://www.seco.cpa.state.tx.us>

Incentive Type: Corporate Deduction

Eligible Solar Water Heat, Solar Space Heat, Solar Thermal Electric, Solar

Renewable/Other Technologies: Thermal Process Heat, Photovoltaics, Wind

Applicable Sectors: Commercial, Industrial

Amount: 100% from capital or 10% from profit

Maximum

Incentive: None

Authority 1: Texas Statutes § 171.107

Date Enacted: 1981, amended 1991, 1999

Effective Date: 1982

Website: [http://www.seco.cpa.state.tx.us/
re_incentives-taxcode-statutes.htm#171107](http://www.seco.cpa.state.tx.us/re_incentives-taxcode-statutes.htm#171107)

Summary:

Texas allows a corporation to deduct the cost of a solar energy device from the franchise tax in one of two ways: (1) the total cost of the system may be deducted from the company's taxable capital; or, (2) 10% of the system's cost may be deducted from the company's income. Both taxable capital and a company's income are taxed under the franchise tax, which is Texas's equivalent to a corporate tax.

For the purposes of this deduction, a solar energy device means "a system or series of mechanisms designed primarily to provide heating or cooling or to produce electrical or mechanical power by collecting and transferring solar-generated energy. The term includes a mechanical or chemical device that has the ability to store solar-generated energy for use in heating or cooling or in the production of power." Under this definition wind energy is also included as an eligible technology.

Texas also offers a [franchise tax exemption](#) for manufacturers, seller, or installers of solar energy systems which also includes wind energy as an eligible technology.

Contact:

Pam Groce
Comptroller of Public Accounts
State Energy Conservation Office
111 East 17th Street, Room 1114
Austin, TX 78774
Phone: (512) 463-1889
Fax: (512) 475-2569
E-Mail: pam.groce@cpa.state.tx.us
Web site: <http://www.seco.cpa.state.tx.us>

Texas Gas Service - Commercial WashWise Energy Efficiency Rebate Program Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency

Technologies: Clothes Washers/Dryers

Applicable Sectors: Commercial, Industrial

Incentive Amount: Energy Efficient Front-loading Clothes Washers: \$100

Equipment

Requirements: Must use gas from Texas Gas Service

Website: <http://www.oneok.com/>

tgs/about/conservation/tgs_commercial.jsp

Summary:

Texas Gas Service offers its Commercial WashWise Incentive Program to its commercial customers who install energy efficient front-loading clothes washers. The rebate is worth \$100, and customers may be eligible for an additional rebate of \$150 for conserving water. A full list of qualifying clothes washers is available on the [application](#).

Contact:

Water Conservation Program
5613 Avenue F
Austin, TX 78751
Phone: (512) 974-2559
Phone 2: (512) 974-2199
Fax: (512) 465-1186

Customer Service
Texas Gas Service
Water Conservation Program
P.O. Box 1088
Austin, TX 78868
Phone: (512) 947-2199
Phone 2: (512) 407-1842

Texas Gas Service - Commercial Water Heating Energy Efficiency Program	Texas
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Incentive Type: Utility Rebate Program

Eligible Efficiency

Technologies: Water Heaters

Applicable Sectors: Commercial, Industrial

Incentive Amount: High Efficiency Gas Water Heater: 14% or 20% of total cost, varies by efficiency rating
Hydronic Heater: \$500 per unit

Eligible System

Size: Gas Water Heaters: > 75,000 BTUs

Equipment Requirements: Water Heaters must have a minimum efficiency rating of

82% TE

Website: http://www.oneok.com/tgs/about/conservation/tgs_commercial.jsp

Summary:

Texas Gas Service offers incentives for its commercial customers to use energy efficient water heaters. Gas water heaters with an efficiency rating between 82% and 86% can receive a rebate worth 14% of the total equipment cost. Gas water heaters with an efficiency rating between 87% and 100% can receive a rebate worth 20% of the total equipment cost. Texas Gas Service also offers a \$500 rebate for hydronic heaters, which are water heaters that operate like any conventional heater, but can use hot water to produce warm air that circulates through the ducts when space heating is needed.

Contact:

Texas Gas Service
Conservation Programs
5613 Avenue F
Austin, TX 78751
Phone: (512) 370-8243
Fax: (512) 465-1186

Texas Gas Service - Food Service Equipment Program

Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency

Technologies: Water Heaters, Food Service Equipment

Applicable Sectors: Commercial

Incentive Amount: Cooking Equipment: \$200-\$400 depending on type of equipment;
Water Heater: 14%-20% of total equipment cost depending on efficiency;
Booster Heater: \$500/unit

Equipment Must be energy efficient, gas-fired equipment

Requirements: Booster Heater: must have a minimum efficiency of 80% TE

Project

Review/Certification: Must pass a post-installation inspection

Website: http://www.oneok.com/tgs/about/conservation/tgs_commercial.jsp

Summary:

Texas Gas Service offer an incentive restaurants or future restaurants for the purchase and installation of specific highly efficient gas-fired cooking equipment. Infra-red fryers, convection and conveyor ovens may be eligible for a \$400 rebate. Customers also installing infra-red griddles can receive a \$200 rebate, and gas booster-heaters can earn a \$500 rebate. More details are available in the [program guidelines](#).

Contact:

Texas Gas Service
Conservation Programs
5613 Avenue F
Austin, TX 78751
Phone: (512) 370-8243
Fax: (512) 465-1186

Texas Gas Service - Residential Energy Efficiency Rebate Program

Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Water Heaters, Furnaces, Heat pumps, Air conditioners, Caulking/Weather-stripping, Duct/Air sealing, Building Insulation, Windows

Applicable Sectors: Residential

Incentive Amount: Furnace: \$75
Hydronic Heater: \$125
Air Conditioner, Heat Pump, Attic Insulation, Windows, Caulking and Weather Stripping: 20% of total cost
Duct Sealing: \$.08/sq. ft.
Tankless Water Heater: \$300

Maximum Incentive: \$1575

Equipment Requirements: Furnace: Must have a minimum AFUE of 80%
Hydronic Heater: Efficiency levels vary by system size
Air Conditioner: 14 SEER/11.5 EER or greater
Heat Pump: 14 SEER/11.5 EER
Duct Sealing: Furnace must be Energy Star rated
Tankless Water Heater: must have an Energy Factor of .62 or greater

Website: http://www.oneok.com/tgs/about/conservation/tgs_residential.jsp

Summary:

Texas Gas Service offers an incentive for its residential customers within the Austin and Sunset Valley city limits to install new central furnaces, hydronic water heaters, high efficiency gas water heaters (tank and tankless), duct repair/sealing and attic insulation. Residential customers must have the base gas service rate AUST I/S, SUNV I/S or ABIA I/S to be eligible. Incentives vary widely but are capped at \$1575. Texas Gas Service also offers a program for their low-income customers. Incentives include the installation and/or replacement of space heaters, wall furnaces or central furnaces; the provision of free weatherization services; and installation of carbon monoxide and smoke detectors. Interested Customers should call 512-974-7827.

Contact:

Texas Gas Service
Conservation Programs
5613 Avenue F
Austin, TX 78751
Phone: (512) 370-8243
Fax: (512) 465-1186

Texas-New Mexico Power Company - Commercial and Industrial Energy Efficiency Standard Offer Program	Texas
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Incentive Type: Utility Rebate Program

Eligible Efficiency Technologies: Custom/Others pending approval

Applicable Sectors: Commercial, Industrial

Incentive Amount: \$195/kW energy reduction
\$0.067/kWh saved

Website: <http://www.tnpeefficiency.com/CI/CIindex.shtml>

Summary:

Texas-New Mexico Power's Commercial and Industrial Standard Offer Program provides incentives for the retrofit installation of a wide range of measures that reduce customer energy costs, and reduce peak demand and/or save energy in non-residential facilities. Incentives are paid to energy efficiency service providers on the basis of deemed savings (which are standardized savings values or formulas for a wide range of measures in representative building types) or measured savings.

Contact:

Customer Service Rep
Texas-New Mexico Power Company
4100 Internatl Plz-Tower II
Fort Worth, TX 76109
Phone: (888) 866-7456
Phone 2: (817) 731-0099
Fax: (817) 737-1333
Web site: <http://www.tnpe.com>

Texas-New Mexico Power Company - Energy Star Homes Market Transformation Program

Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency

Technologies: Comprehensive Measures/Whole Building

Applicable Sectors: Residential

Incentive Amount: Varies widely. Interested customers should contact the utility.

Equipment Homes must have a HERS index of 85 or lower and must

Requirements: be certified after 1/1/2008.

Expiration Date: 12/31/2008

Website: <http://www.tnpeefficiency.com/energystar/esindex.shtml>

Summary:

Texas-New Mexico Power offers incentives to builders and raters of Energy Star Certified homes in the TNMP electric distribution area. Incentives are provided to builders and raters who are already participating in the TXU Energy and CenterPoint Energy ENERGY STAR New Home programs. This offer is not valid if the builder or rater has received an incentive from TXU, CenterPoint, or any other utility.

Contact:

Patty Keegan
Texas-New Mexico Power Company
1515 S. Capital of Texas Hwy

Ste. 110
Austin, TX 78746-6544
Phone: (512) 458-8954
Phone 2: (817) 377-5579
E-Mail: pkeegan@frontierassoc.com
Web site: <http://www.tnpe.com>

Texas-New Mexico Power Company - Residential and Small Commercial Energy Efficiency Standard Offer Program

Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency

Technologies: Custom/Others pending approval

Applicable Sectors: Commercial, Residential

Incentive Amount: Residential/Small Commercial - \$278/kW, \$0.095/kWh

Eligible System Eligible facilities are those that do not exceed a 100 kW

Size: demand. However, if a commercial customer owns multiple sites or facilities in TNMP's distribution service area, and the total demand associated with these facilities does not exceed 250 kW, they may participate in the Small Commercial program

Equipment Requirements: Energy efficiency measures must have a useful life of at least 10 years to qualify.

Website: <http://www.tnpeefficiency.com/Res/resindex.shtml>

Summary:

Texas-New Mexico Power's Residential and Small Commercial Standard Offer Program promotes energy efficiency among residential and small commercial electricity customers in its Texas service area. The program provides incentives for the installation of a wide range of measures that reduce customer energy costs, reduce peak demand and save energy for residential and small commercial customers. Incentives are paid to Project Sponsors, which may be Energy Service Companies, HVAC and other energy conservation firms, or small commercial customers.

TNMP has established standardized savings values for a wide range of measures (called "deemed" savings values). If a deemed savings value has not been established for a qualifying small commercial energy efficiency measure, then incentives may be paid on the basis of measured and verified peak demand and energy savings.

Residential/Small Commercial customers: \$278/kW and \$0.095/kWh energy reduction

Potential Project Sponsors must complete an on-line application to participate in the program. See Website above for details.

Contact:

Customer Service Rep
Texas-New Mexico Power Company
4100 Internatl Plz-Tower II

Fort Worth, TX 76109
Phone: (888) 866-7456
Phone 2: (817) 731-0099
Fax: (817) 737-1333
Web site: <http://www.tnpe.com>

Tri-County Electric Cooperative - Energy Efficient Water Heater Rebate Program Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency

Technologies: Water Heaters

Applicable Sectors: Commercial, Residential

Incentive Amount: \$75

Eligible System Size: 40 gallon or larger tank

Equipment Energy Factor Rating of 0.90 or higher Minimum 4,500

Requirements: watt heating element(s)

Installation Minimum 1 year parts warranty

Requirements: Minimum 5 year tank warranty

Project A cooperative employee may visit the location to

Review/Certification: confirm installation

Website: <http://www.tcectexas.com/waterheaterrebate.htm>

Summary:

Tri-County Electric Cooperative offers a \$75 rebate on the purchase of energy-efficient electric water heaters. The rebate is valid for new or replacement units which have an Energy Factor Rating of 0.90 or higher. The minimum tank size is 40 gallons, with a minimum 4,500 watt heating element. For validation purposes, a copy of the sales or installation receipt must accompany the [application](#).

Contact:

Central Headquarters Office
Tri-County Electric Cooperative
600 N W Parkway
Azle, TX 76020
Phone: (817) 444-3201
Phone 2: (817) 523-7231
Fax: (817) 444-3542
E-Mail: customer_service@tcectexas.com
Web site: <http://www.tcectexas.com/>

United Cooperative Services - Residential Energy Efficiency Rebate Program Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency Water Heaters, Heat pumps, Heat recovery, Comprehensive

Technologies: Measures/Whole Building

Eligible Geothermal Heat Pumps

**Renewable/Other
Technologies:**

Applicable Sectors: Residential

Incentive Amount: Geothermal/ Ground Source Heat Pump: \$200 per ton
Air Source Heat Pump: \$50 per ton - \$150 per ton,
varies by efficiency rating
Waste Heat Recovery System: \$200 per unit
Water Heater - \$75 per unit
Whole House Bonus Rebate: \$150

Maximum Incentive: \$1,000 per house

Eligible System Size: Water Heater: 40-gallon minimum capacity

Equipment Requirements: Geothermal Heat Pump: Minimum EER of 12.0,
minimum COP of 3.4

Air Source Heat Pump: Minimum SEER of 14.0

Water Heater: Minimum 0.92 GAMA efficiency factor

Project Review/Certification: United reserves the right make on-site inspection of any equipment submitted for a rebate.

Website: <http://www.united-cs.com/rebates.htm>

Summary:

United Cooperative Services offers an incentive for its residential customers to purchase high-efficiency HVAC equipment. Rebates are available for new or replacement heat pumps and waste heat recovery systems. The water heater rebates can only be applied to electric water heaters installed in new homes. New homes can also earn customers a \$100 whole-house bonus rebate if the home meets the following program standards:

- R-13 wall insulation / R-30 attic insulation
- 100% storm or double-pane windows
- Water heater and heating/cooling systems must qualify for equipment rebates.
- Weather stripping and caulking at soleplate, wiring and plumbing entries.

The whole-house rebate can be increased to \$150 if the above criteria are met and the wall and attic insulation levels are increased to R-19 and R-38 respectively. To be eligible for the rebate program, all [rebate forms](#) and their accompanying documentation must be submitted within 60 days of the completion of construction and/or installation. Rebates are capped at \$1,000 per home.

Contact:

Rebate Program Office
United Cooperative Services
3309 N. Main
P.O. Box 16
Cleburne, TX 76033
Phone: (254) 965-3153
Phone 2: (817) 556-4000
Web site: <http://www.united-cs.com/>

Xcel Energy - Large Commercial and Industrial Standard Offer Program

Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency

Technologies: Custom/Others pending approval

Applicable Sectors: Commercial, Industrial

Incentive Amount: \$0.067 per kWh saved or \$195 per kW

Maximum

Incentive: No more than 20% of the budget in a given year

Eligible System Facility has a demand of at least 100 kW; Minimum

Size: savings is 1 kW

Equipment Requirements: Equipment must exceed minimum standards specified in the manual

Website: <http://www.xcelefficiency.com/CI/Index.shtml>

Summary:

Xcel Energy Large Commercial and Industrial Standard Offer Program (SOP) pays incentives to businesses for retrofit and new construction projects that save energy at peak periods. Incentives are based on verified demand and energy savings that occur as a result of the project. A variety of measures are eligible for this program, but the measures should have an energy savings lifetime of at least 10 years. Incentives will be paid as a function of the kilowatts or kilowatt-hours saved as a result of the efficiency measures installed.

To participate in this program, a firm submits an application to Xcel Energy to be a "Project Sponsor." Following installation of efficiency measures, Xcel Energy will test the amount of saved energy and pay the project sponsor the incentives. More information about the program and how to apply is available at the program website.

Contact:

Xcel Energy
P.O. Box 1261
Amarillo, TX 79170
Phone: (806) 378-2887
Fax: (806) 378-2869
Web site: <http://www.xcelenergyefficiency.com>

Xcel Energy - Residential & Small Commercial and Hard-to-Reach Standard Offer Program

Texas

Incentive Type: Utility Rebate Program

Eligible Efficiency

Technologies: Custom/Others pending approval

Applicable Sectors: Commercial, Residential, Multi-Family Residential, Low-Income Residential

Incentive Amount: Residential and Small Commercial Customers: \$278/kW or \$0.095/kWh

Hard-to-Reach Customers: \$501/kW or \$0.17/kWh

Maximum

Incentive: No more than 20% of the annual program budget

Eligible System

Size: Facility with energy demand of less than 100 kW

Expiration Date: Funds available 5/1/2007 on a first-come, first-served basis.

Website: <http://www.xcelefficiency.com/Res-HTR/Index.shtml>

Summary:

The Residential and Small Commercial Standard Offer Program was developed by Xcel Energy to provide an incentive to suppliers of energy services to implement electric energy-efficiency projects at Xcel Energy residential (including "Hard-to-Reach") and small commercial customers' facilities. The Hard-to-Reach SOP was developed by Xcel Energy to provide an opportunity for Project Sponsors who are interested in providing comprehensive energy efficiency retrofits for single-and multi-family customers who meet the income guidelines of the program. The primary objective of these SOPs is to achieve cost-effective reduction in peak summer demand.

Hard-to-Reach (HTR) customers are defined as customers with an annual household income at or below 200% of federal poverty guidelines, or who meet certain other qualifications. Project Sponsors can provide energy-efficiency services to HTR customers under the HTR SOP.

More information and the program application can be found on the program website.

Contact:

Xcel Energy
P.O. Box 1261
Amarillo, TX 79170
Phone: (806) 378-2887
Fax: (806) 378-2869
Web site: <http://www.xcelenergyefficiency.com>



Rules, Regulations & Policies

Alternative Energy in New State Construction

Texas

Incentive Type: Energy Standards for Public Buildings

Eligible Passive Solar Space Heat, Solar Water Heat, Solar Space Heat,

Renewable/Other Solar Thermal Electric, Photovoltaics, Wind, Biomass

Technologies:

Applicable Sectors: State Government

Requirement: Economic analysis of renewable energy and energy efficiency strategies in state building projects; strategies must be implemented if determined to be cost-effective.

Authority 1: Texas Government Code § 2166.401 et seq.

Date Enacted: 5/5/95

Expiration Date: None

Summary:

Texas requires state government departments to compare the cost of providing energy alternatives for new and reconstructed state government buildings and for certain construction or repair to energy systems and equipment. The governing body must determine economic feasibility for each function by comparing the estimated cost of providing energy for the function using conventional design practices and energy systems with the estimated cost of providing energy for the function using alternative energy devices during the economic life of the building. If the use of alternative energy devices for a particular function (including space heating and cooling, water heating, electrical loads, and interior lighting) is economically feasible, then the use of alternative energy devices must be included in construction plans.

Contact:

John McElroy, Jr.
Office of Public Utility Counsel
1701 N. Congress Avenue, Suite 9-180
Austin, TX 78701
Phone: (512) 936-7518
Phone 2: (512) 936-7500
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Austin - Commercial and Residential Green Building Requirements

Texas

Incentive Type: Building Energy Code

Eligible

Efficiency

Technologies: Comprehensive Measures/Whole Building

Eligible Renewable/Other Technologies: Solar Water Heat, Solar Space Heat, Photovoltaics, Wind, Biomass, Geothermal

Heat Pumps, Daylighting, Small Hydroelectric

Applicable Sectors:

Commercial, Residential, Institutional

Residential Code:

Requirement based on the Austin Energy Green Building Ratings and/or LEED

Code: certification; varies by zoning, location and building type

Commercial Code:

Requirement based on the Austin Energy Green Building Ratings and/or LEED
Code: certification; varies by zoning, location and building type

Code Change

Cycle: 3 years, beginning with the 2006 code

Authority 1: Austin Code §25 (Land Development)

Authority 2: City Council Res. No. 20070215-23

Date Enacted: 02/15/2007

Website: <http://www.austinenergy.com/Energy%20Efficiency/Programs/Green%20Building/Participation/requirements.htm>

Summary:

Note: The requirements listed below are current only up to the date of last review (see the top of this page). In addition, the City of Austin may make additional requirements depending on the circumstances of a given project. Interested parties should contact the program office for more detailed information when planning a project.

The City of Austin has numerous green building provisions within the city building code, with requirements that vary according to location, zoning designation and building type. The building standards rely on the Austin Energy Green Building Rating system and the LEED* certification system as metrics. In some cases developers have the option of achieving compliance under either of the two systems. Under the Austin Energy Green Building Rating System, buildings are awarded up to five stars depending on the number and breadth of green building elements that are incorporated into the design. In terms of energy efficiency, rated buildings are designed to exceed the Austin Energy Code, which itself is one of the most aggressive in the nation (see Climate Protection Plan information at bottom). Below are brief descriptions of how the standards are applied to different locations, zoning designations and building types.

Minimum one-star Austin Energy Green Building Rating:

- Traditional Neighborhood Zoning district - all single-family residential dwellings
- Downtown Mixed Use and Central Business Zoning district - all projects requiring a site plan
- University Neighborhood Overlay Zoning district - all multi-family residential developments
- Wildhorse, Comanche Canyon, and Pioneer Crossing Planned Unit Development (PUD)** districts
- All [S.M.A.R.T.](#) (Safe, Mixed-income, Accessible, Reasonably-priced, Transit-oriented) Housing projects

Minimum two-star Austin Energy Green Building Rating:

- East Avenue and Lakeshore PUD districts
- [Mueller Redevelopment Project](#) - all offices, single tenant retail establishments, institutional buildings larger than 25,000 square feet, and multi-family residential buildings with three or more units. LEED Certification can be used as an alternative form of compliance.

Minimum three-star Austin Energy Green Building Rating:

- [Mueller Redevelopment Project](#) - all single-family and duplex residential buildings

While these standards are among the most progressive in the nation, the City of Austin has plans to take the Green Building Program much further. In February 15, 2007, the city council passed Resolution No. 20070215-23, the Austin Climate Protection Plan, calling for the drafting of new building codes consistent with reducing energy use in

single-family homes by 65% and all other public and private buildings by 75% by 2015, with November 2006 version of the Austin Energy Code serving as a reference. The Zero-Energy Capable Homes (ZECH) Task Force has been designated to draft design [recommendations](#) and progressively increasing goals for the program, and the first series of code amendments were adopted by the City Council on October 18, 2007. The new building codes are based on the International Energy Conservation Code (IECC) with amendments according to program targets.

For more information, visit the program web site using the link at the top of this page. Information about public building standards in Austin can be accessed [here](#).

**The U.S. Green Building Council's LEED rating system is a voluntary, consensus-based national standard for developing high-performance, sustainable buildings. Click [here](#) for more information on the national LEED program.*

***A PUD is defined as a large or complex single or multi-use development that is planned as a single contiguous project under unified control. The purpose of a PUD district designation is to preserve the natural environment, encourage high quality development and innovative design, and ensure adequate public facilities and services for development. Each PUD has a unique set of site development regulations that must be superior to the development that would occur under conventional zoning and subdivision regulations.*

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Austin - Green Building Requirement for City Projects

Texas

Incentive Type: Energy Standards for Public Buildings

Eligible Efficiency

Technologies: Comprehensive Measures/Whole Building

Eligible Renewable/Other Passive Solar Space Heat, Solar Water Heat, Solar Space Heat, Photovoltaics, Wind, Daylighting

Technologies:

Applicable Sectors: Local Government

Requirement: All new city buildings must achieve LEED Silver certification.

Authority 1: [Resolution No. 000608-43](#)

Date Enacted: June 8, 2000

Website: <http://www.ci.austin.tx.us/publicworks/>

Summary:

The City Council of Austin passed a resolution on June 8, 2000, requiring that all future building projects be built in accordance with the standard of the Leadership in Energy and Environmental Design (LEED*) Green Building Rating System, Silver Level. The resolution exempts from the Silver requirement any city building being designed at the time of the passing of the resolution, but requires them to achieve the highest appropriate LEED rating without requiring additional appropriations from the City Council. The resolution further requires the City Manager to evaluate the feasibility of requiring buildings maintained, leased or financed by the City to be operated and maintained in a way to improve indoor air quality and energy conservation.

**Click [here](#) for more information on the United States Green Building Council's Leadership in Energy and Environmental Design (LEED) Green Building Rating System.*

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Austin - Renewables Portfolio Standard

Texas

Incentive Type: Renewables Portfolio Standard

Eligible Renewable/Other Technologies: Solar Thermal Electric, Photovoltaics, Landfill Gas, Wind, Biomass, Hydroelectric, Geothermal Electric, Tidal Energy, Wave Energy

Applicable Sectors: Austin Energy

Standard: 5% by 12/31/2004; 30% by 1/1/2020

Technology

Minimum: At least 100 MW from Solar by 2020

Authority 1: City Council Resolution No. 20070215-023

Date Enacted: 2/15/2007

Effective Date: 2/15/2007

Authority 2: [City Council Resolution No. 990211-36](#)

Date Enacted: 2/11/1999

Expiration Date: 12/31/2004

Authority 3: [City Council Resolution No. 030925-2](#)

Date Enacted: 9/25/2003

Expiration Date: 1/1/2020

Authority 4: [Austin Energy's Ten-Year Strategic Plan](#)

Date Enacted: 12/4/2003

Website: <http://www.austinenergy.com/Energy%20Efficiency/Programs/Green%20Choice/index.htm>

Summary:

On February 11, 1999, the Austin City Council adopted Resolution No. 990211-36, which set a goal for Austin Energy to achieve 5% of the energy in its portfolio mix from renewable resources by December 31, 2004. Renewable resources include those that rely on energy derived directly from the sun, on wind, geothermal, hydroelectric, wave, or tidal energy, or on biomass or biomass-based waste products, including landfill gas. Funding to achieve the 5% increase in renewable energy resources is provided by Austin Energy's green pricing program -- GreenChoice -- initiated in 2000. Residential and business customers can opt to have the standard (fossil) fuel charge on their electric bill replaced entirely by the GreenChoice power charge, which will remain fixed for 10 years. As of January 1, 2006, all GreenChoice power charges are less than the standard charge (3.63 cents/kWh).

In September 2003, the Austin City Council approved a resolution to ensure that Austin Energy continues to meet the community's demand for clean energy beyond 2004. Resolution 030925-02 directed the utility to execute a Memorandum of Understanding with the World Wildlife Fund that includes a goal to achieve a 20% renewable energy component in its energy mix, an increase in energy efficiency of 15% by 2020, and support of binding limits on national power sector CO2 emissions.

In December 2003, the Austin City Council unanimously approved Austin Energy's 10-year *Strategic Plan*, which among other initiatives, included elements to comply with the council's energy policy resolutions. Objective 5 of the plan sets a renewables portfolio standard of 20% by 2020. Austin Energy also committed to develop 15 megawatts (MW) of solar generating capacity by 2007, increasing to 100 megawatts by 2020. In support of the solar goal, Austin Energy established a rebate program for photovoltaic (PV) systems.

In February 2007, the Austin City Council approved Resolution 20070215-023, adopting the mayor's [Climate Protection Plan](#). The Resolution increased Austin's renewable portfolio goal to 30% by 2020, with 100 MW required to come from solar. The resolution also sets a [green power procurement goal](#) for City facilities of 100% by 2012. Austin Energy's GreenChoice, green power purchasing program, has experienced widespread participation levels, and is fully subscribed as of 2007. The utility has entered contracts to more than double its wind energy portfolio from 212 MW to 439 MW in order to meet the city requirements and provide renewable energy for a new batch of GreenChoice participants. The first 60 MW is scheduled to come on-line by the end of 2007 and will help power City facilities while the remainder is expected to be available by the end of 2008. Other requirements established by this resolution include:

- Making the entire City fleet of vehicles carbon neutral by 2020,
- Developing and implementing departmental climate protection plans,
- Developing an employee climate protection education program,
- Achieving 700 MW of new savings through energy efficiency and conservation efforts by 2020,
- Establishing a CO2 cap and developing a reduction plan for existing utility emissions,

- Achieving carbon neutrality on any new carbon-based generation facilities, and
- Implementing [aggressive building codes](#) to maximize energy efficiency.

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Austin Energy - Net Metering	Texas
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Incentive Type: Net Metering Rules

Eligible Renewable/Other Technologies: Solar Thermal Electric, Photovoltaics, Landfill Gas, Wind, Biomass, Hydroelectric, Geothermal Electric, Municipal Solid Waste, Anaerobic Digestion, Tidal Energy, Wave Energy

Applicable Sectors: Commercial, Residential

Limit on System

Size: 20 kW

Limit on Overall Enrollment: Tariff will be re-evaluated after 1% of load is served by distributed generation from renewable resources

Treatment of Net

Excess: Credited to customer's next bill

Utilities

Involved: Austin Energy

Interconnection Standards for Net Metering? Yes

Authority 1: [Ordinance No. 030908-04 - Distributed Generation from Renewable Sources Rider](#)

Date Enacted: 2004

Effective Date: 2004

Website: <http://www.austinenergy.com/About%20Us/Rates/distributedGenerationFromRenewableSources.htm>

Summary:

A customer-generator receives credit at the utility's full retail rate for each kilowatt-hour (kWh) generated. Net excess generation (NEG) is carried over to the following month as a credit. At the end of an annualized period, the utility must compensate the customer for any remaining NEG credits at the utility's avoided-cost rate.

Customers that generate more electricity than they consume during a monthly billing period will receive a credit for net excess generation (NEG). The amount of the credit is

calculated by multiplying the net kilowatt-hours (kWh) of electricity fed into the grid by the current fuel charge; or, if the customer participates in the utility's GreenChoice program, each kWh delivered by the customer to the utility's electric system in excess of the kWh delivered by the utility is multiplied by the appropriate Green Power Charge.

All systems must meet the requirements of Austin Energy's [interconnection guidelines](#). Internconnection agreements have a minimum term of one year, unless the customer is a participant in the [Austin Energy Solar PV Rebate Program](#), in which case the minimum term is five years. Agreements will be renewed automatically each year unless terminated by either party (requires 60-day written notice).

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Dallas - Green Building Requirements for Municipal Buildings

Texas

Incentive Type: Energy Standards for Public Buildings

Eligible Efficiency

Technologies: Comprehensive Measures/Whole Building

Eligible Passive Solar Space Heat, Solar Water Heat, Solar Space Heat,

Renewable/Other Photovoltaics, Wind, Biomass, Geothermal Heat Pumps, Daylighting,

Technologies: Small Hydroelectric

Applicable Sectors: Local Government

Requirement: LEED Silver Certification: All new municipal buildings over 10,000 square feet (2003 Bond Program and thereafter)

LEED Gold Certification: Public Works and Transportation facilities (2006 Bond Program and thereafter)

Authority 1: [Dallas City Council Resolution 03-0367](#)

Date Enacted: 01/22/2003

Authority 2: [2006 Policy Update](#)

Effective Date: For 2006 Bond Program

Website: <http://www.dallascityhall.com/oeg/ems.html>

Summary:

In 2003 the Dallas City Council passed a resolution requiring that all new municipal buildings larger than 10,000 square feet be constructed to meet *LEED Silver Certification standards. In 2006 the green building program policy was updated, increasing the requirement for new public works facilities under the 2006 bond program to LEED Gold Certification. The update also added additional requirements for water use

reduction (20%) and optimizing energy performance (3 points, 1 point above mandatory certification minimum) for these facilities.

The first building completed under this policy was the Jack Evans Police Headquarters in 2003 and Dallas expects to complete more than 30 other such facilities by the end of 2007. The total includes eight libraries, six police and fire stations, four cultural centers, three recreation centers and three service centers. Renovations and rehabilitation projects are also directed to use LEED principles to the greatest extent that they are reasonable and practical. The Dallas City Council is currently in the process of developing green building regulations that would apply to private developments.

**The USGBC LEED Rating System is a voluntary, consensus-based national standard for developing high-performance, sustainable buildings. Click [here](#) for more information on the national LEED program.*

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Energy Efficiency Goals and Requirements for Public Entities	Texas
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Incentive Type: Energy Standards for Public Buildings

Eligible Efficiency

Technologies: Lighting, Vending Machines (state), Others not specified

Eligible Yes; specific technologies not specified

Renewable/Other

Technologies:

Applicable Sectors: Schools, Local Government, State Government, Institutional

Goal: Reduce electricity consumption by 5% each year for 6 years, beginning Sept. 1, 2007

Requirement: Differs by sector

Authority 1: Texas Statutes § 388.005

Date Enacted: 6/15/2001

Effective Date: 9/1/2001

Authority 2: HB 3693 (2007)

Date Enacted: 06/15/2007

Effective Date: 09/01/2007

Expiration Date: 09/01/2013

Website: <http://www.seco.cpa.state.tx.us/sb5compliance.htm>

Summary:

In 2001, Texas Senate Bill 5 ([SB 5](#)), was enacted to help the state comply with federal Clean Air Act standards. SB 5 amended the state's Health and Safety Code to require that each political subdivision in 38 (later 41) Texas counties:

- Implement all energy efficiency measures that meet the standards established for a contract for energy conservation measures under Section 302.004(b), Local Government Code, to reduce electricity consumption by existing facilities;
- Establish a goal to reduce electricity consumption by 5% each year for five years, beginning January 1, 2002;
- Report efforts and progress annually to the State Energy Conservation Office (SECO).

This program was renewed in 2007 with the passage of HB 3693*, which directed political subdivisions to continue reducing their energy use by 5% annually for six more years beginning Sept. 1, 2007. In addition, HB 3693 expanded the list of covered entities to include institutions of higher education, state agencies, and public school districts, provided such entities have not already adopted a goal oriented energy efficiency plan. The provision detailing these requirements for school districts acts as an amendment to [Section 44.901](#) of the Education Code rather than the Health and Safety Code referenced above. Finally, the law made several specific efficiency related requirements for different sectors:

- State owned or leased: Energy Star appliances and equipment (general), low wattage light bulbs, vending machines with non-perishable contents equipped with energy saving devices
- Institutes of Higher Education: Low wattage light bulbs for housing and educational buildings
- Schools: Low wattage light bulbs for instructional facilities
- Political Subdivisions: No specific technology requirements

The Texas Energy Partnership (TEP), consisting of SECO, the U.S. Department of Energy's Rebuild America Program and ENERGY STAR®, was formed to help the counties and cities affected by SB 5 (and subsequently SB 12). The TEP holds workshops on energy-efficient building technologies, energy management and other energy issues, and created a Web site, www.texasenergypartnership.org, for affected political subdivisions to report their energy savings data and to access information on benchmarking, best practices for energy efficient buildings, and green building techniques.

SECO evaluates the effectiveness of the energy efficiency programs and submits a report of its evaluation annually to the Texas Commission on Environmental Quality (TCEQ). Click [here](#) to view the fourth annual progress report.

**A separate piece of legislation ([SB 12](#)), was signed by the Governor a week before HB 3693 and contains a number of provisions identical to those discussed above in reference to HB 3693.*

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Frisco - Municipal Green Building Program

Texas

Incentive Type: Energy Standards for Public Buildings

Eligible Efficiency

Technologies: Comprehensive Measures/Whole Building

Eligible Renewable/Other Technologies: Passive Solar Space Heat, Solar Water Heat, Solar Space Heat, Photovoltaics, Wind, Biomass, Geothermal Heat Pumps, Daylighting, Small Hydroelectric

Applicable Sectors: Local Government

Goal: Leadership in Energy and Environmental Design *(LEED) Silver Certification for all new municipal structures

Website: http://www.ci.frisco.tx.us/projects_programs/green_building/index.aspx?id=146

Summary:

The city of Frisco has set a goal of having all new municipal buildings meet the *LEED Silver Certification requirements. Examples of this commitment include the recently completed Public Works Building, which includes two solar thermal water heating systems, City Hall, Library, Police Headquarters, and Recreation/Natatorium Center.

**The USGBC LEED Rating System is a voluntary, consensus-based national standard for developing high-performance, sustainable buildings. Click [here](#) for more information on the national LEED program.*

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Frisco - Residential and Commercial Green Building Codes

Texas

Incentive Type: Building Energy Code

Eligible Efficiency Technologies: Programmable Thermostats, Duct/Air sealing, Roofs,

Technologies: Comprehensive Measures/Whole Building

Applicable Sectors: Commercial, Residential, Multi-Family Residential

Residential Code: All single family residential structures for which the building permit is filed after June 30, 2007 must meet the Energy Star designation as it stands or is amended with a Home Energy Rating Systems (HERS) Index of 83 or below;
Additional energy efficiency, indoor air quality, water conservation, and waste recycling requirements also apply.

Commercial Code: All non-residential buildings and multifamily developments with preliminary or final site plans dated on or after Nov. 27, 2006 must comply with the specifications of the EPA Energy Star Cool Roof Program as it exists or may be amended, as well as meet specific heat island mitigation, landscape, and construction waste recycling standards.

Authority 1: Ord. No. 06-10-111 (Residential)

Date Enacted: 10/17/2006

Authority 2: Ord. No. 06-10-110 (Commercial)

Date Enacted: 10/17/2006

Website: http://www.ci.frisco.tx.us/projects_programs/green_building/index.aspx?id=146

Summary:

The city of Frisco administers a green building program with separate restrictions applying to commercial and residential structures. The programs are governed by separate ordinances passed at different times although both were amended in Oct. 2006 with updated building information. Each also contains other environmental related restrictions in addition to energy efficiency requirements.

Residential

The residential green building program began in 2001 under Ordinance No. 01-05-39, which required that all single-family residential structures platted after May 31, 2001 receive the EPA Energy Star designation for energy efficiency. The original ordinance was amended in 2006 with additional requirements for structures with building permits filed after June 30, 2007. These new structures are required to meet Energy Star specifications with a score of 83 or lower on the Home Energy Rating System (HERS) index. An Energy Star designation requires a HERS score of 85 or lower. The amendment also requires:

- Every home be tested (i.e., no batch testing) by an accredited Residential Energy Services Network (RESNET) HERS inspector, who must register annually with the city;
- Every story have at least one programmable thermostat;
- Air distribution system joints be sealed with duct mastic;
- Pressure differential between closed-off rooms and the location of the central air return not exceed ± 3 Pa;
- All structures meet ASHRAE Standard 62.2 and other indoor air quality standards;
- Compliance with the city landscape ordinance (water conservation); and

- Construction waste recycling

Over 10,200 green homes have been built since the inception of the program in 2001, with 1,312 built so far in 2007 alone. On average, the program saves households \$436 or more in utility expenses each year and has avoided over 24,000 tons of CO2 emissions.

Commercial

The commercial green building program was initiated in May 2004 under Ordinance No. 04-05-41, which required that all non-single family developments of greater than 10,000 square feet complete the United States Green Building Council (USGBC) Leadership in Energy and Environmental Design *(LEED) checklist. There were no compulsory building requirements in the initial stages of this program. The law simply required the checklist data be submitted to city planners for one year (beginning Sept. 2004) in order to determine the effect of such a program on private development. This ordinance was repealed in Oct. 2006 in favor of a new ordinance defining design requirements for all non-residential and multifamily dwellings sited on or after Nov. 27, 2006. The new ordinance requires that 100% of all roof areas comply with the EPA Energy Star Cool Roof Program as it exists or may be amended, and that buildings fulfill specific heat island mitigation, water conservation, and construction waste recycling standards.

The City of Frisco also has green building requirements for [public buildings](#).

**The USGBC LEED Rating System is a voluntary, consensus-based national standard for developing high-performance, sustainable buildings. Click [here](#) for more information on the national LEED program.*

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Fuel Mix and Emissions Disclosure	Texas
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Incentive Type: Generation Disclosure

Eligible Solar Thermal Electric, Photovoltaics, Landfill Gas, Wind, Biomass,

Renewable/Other Hydroelectric, Tidal Energy, Wave Energy, Ocean Thermal

Technologies:

Applicable Sectors: Utility

Fuel Mix: Renewable Energy Resources, Coal, Lignite, Natural Gas, Nuclear, Other Sources

Emissions: CO2, SO2, NOx, Particulates, Nuclear Waste

Distribution & Bill insert or separate mail

Frequency: Upon request and annually
Standard Format Required?: Yes

Authority 1: TX PUC Rules §25.475

Effective Date: 06/01/2004

Authority 2: TX PUC Rules §25.476

Effective Date: 6/01/2004

Website: <http://www.powertochoose.org/>

Summary:

As part of its 1999 electric utility restructuring legislation, Texas retail electric providers (REP) are required to disclose certain information to customers on an "Electricity Facts Label". Beginning July 1, 2002, REPs must provide the standardized label to customers upon their request. The label must include electricity prices, contract terms, sources of generation, and emissions levels and is designed to help customers choose whom they want to provide their electric service. Energy suppliers must make information available to consumers at least once a year, or upon a request made to the Texas Public Utility Commission (PUCT). A detailed history of the adoption and amendment process for both of the rules pertaining to fuel mix and emission disclosure is available in the [Substantive Rules](#) section of the PUCT website. The aspects covered here have remained unchanged since 2004, although other elements of Texas' information disclosure policy have been amended since that time.

More specifically, the following information must be included on the label: (1) pricing; (2) contract terms (minimum contract term and early termination penalties, if any); (3) fuel mix (table showing percentages of net system power generated by each source; and (4) air emissions and waste (bar chart showing the amounts of carbon dioxide, nitrogen oxide, sulfur dioxide, particulate emissions, and nuclear waste attributable to the aggregate known sources of electricity).

The fuel mix is the percentage of total megawatt-hours obtained from each of the following fuel categories: coal and lignite, natural gas, nuclear, renewable energy (comprising biomass, hydropower, solar, and wind), and "other" sources, calculated as specified by the electricity labeling rule (see §25.476(f)). Click [here](#) to view a sample electricity facts label and an Electric Choice informational brochure.

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Eligible Efficiency**Technologies:** Comprehensive Measures/Whole Building**Eligible Renewable/Other Technologies:** Passive Solar Space Heat, Solar Water Heat, Solar Space Heat, Photovoltaics, Wind, Biomass, Geothermal Heat Pumps, Daylighting, Small Hydroelectric**Applicable Sectors:** Local Government**Requirement:** A new construction or major renovations of municipal buildings larger than 10,000 square feet must conform to LEED certification guidelines to the greatest extent practical. LEED Silver certification is set as a target level.**Authority 1:** City Resolution No. 2004-15**Date Enacted:** 06/23/2004**Effective Date:** 06/23/2004**Website:** <http://www.houstontx.gov/generalservices/leed.html>**Summary:**

In June 2004 the Houston City Council passed a resolution requiring adherence to the Leadership in Energy and Environmental Design (LEED)* guidelines in the construction or renovation of municipal buildings with more than 10,000 square feet of occupied space. The law sets no definitive certification requirement, instead requiring capital improvement projects to follow LEED principles "to the greatest extent practical and reasonable". The general target rating for the program is LEED Silver certification. Buildings owned, managed, or constructed by the Houston Airport System Department are exempt from this provision of Houston law. By the end of 2008, a total of 12 municipal buildings are expected to have achieved certification as a result of this policy, while 6 more are currently pursuing LEED compliance without necessarily going through the entire certification process.

*Click [here](#) for more information on the United States Green Building Council's Leadership in Energy and Environmental Design (LEED) Green Building Rating System.

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Houston - Green Power Purchasing

Texas

Incentive Type: Green Power Purchasing/Aggregation**Eligible** Wind**Renewable/Other Technologies:**

Applicable Sectors: Local Government

% Renewables: 20%

Source: Wind

Website: <http://www.houstontx.gov/environment/epr/windpowercontract.pdf>

Summary:

In 2007, the City of Houston negotiated a 5-year contract with Reliant Energy for up to 80 MW or 700 million kilowatt-hours (kWh) annually of renewable energy credits (RECs). These RECs will be generated almost exclusively from wind power. The currently authorized purchase beginning in July 2008 is 30 MW, which will equate to roughly 263 million kWh annually or 20% of the annual electricity consumption of the city's municipal facilities. Additional 10 MW increments of renewable energy may be stepped in over time up to the 80 MW specified in the contract. This diversification of Houston's energy portfolio is expected to help insulate the city from price shocks such as those that occurred in the aftermath of Hurricanes Katrina and Rita. The purchase elevates Houston to the second spot on the EPA's [Green Power Partner](#) list of green energy purchases by local governments for 2008.

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Interconnection Standards

Texas

Incentive Type: Interconnection

Eligible Renewable/Other Technologies: Solar Thermal Electric, Photovoltaics, Landfill Gas, Wind, Biomass, Hydroelectric, Geothermal Electric, Fuel Cells, CHP/Cogeneration, Reciprocating Engines, Turbines, Storage, Tidal Energy, Wave Energy, Ocean Thermal, Microturbines, Other Distributed Generation Technologies

Applicable Sectors: Commercial, Industrial, Residential

Special Rules for Net-Metered Systems? Yes

Limit on System Size/Overall Enrollment: 10 MW at 60 kV or less / No limit on overall enrollment

Standard Interconnection Agreement? Yes

Additional Insurance: None specified

Requirements?

**External
Disconnect
Required?** Yes

**Rules for Non-Net-
Metered DG?** Yes

Authority 1: 16 TAC § 25.211 et seq.

Date Enacted: 11/23/1999

Effective Date: 1/8/2001

Website: [http://www.puc.state.tx.us/
rules/subrules/electric/index.cfm](http://www.puc.state.tx.us/rules/subrules/electric/index.cfm)

Summary:

Note: [HB 3693](#), passed in May 2007 and effective September 2007, appears to make significant modifications to Texas net metering and interconnection policy, potentially making net metering available to systems of up to 2 MW. However, as of December 2007 no new rules had yet been adopted and discussions among the Electric Reliability Council of Texas (ERCOT) and the Public Utility Commission of Texas (PUC) were still ongoing. PUC documents on this subject are available under [Docket 34890](#) while ERCOT is addressing issues for small renewable generators (<50 kW) through its [Distributed Generation Task Force](#).

The Texas Public Utility Regulatory Act (PURA) of 1999 included a provision that "a customer is entitled to have access 'to on-site distributed generation'" [§39.101(b)(3)]. This provision led the Public Utility Commission of Texas (PUC) to adopt interconnection standards (Substantive Rules §25.211 and §25.212) in 1999. The rules apply to electrical generating facilities (consisting of one or more on-site distributed-generation units) located at a customer's point of delivery, with a maximum capacity of 10 megawatts (MW) and connected at a voltage less than 60 kilovolts (kV). The total capacity of a facility's individual on-site distributed generation units may exceed 10 MW. However, no more than 10 MW of capacity will be interconnected at any point in time at the point of common coupling.

The following conditions apply to Texas's interconnection rules for distributed generation:

- Installations must meet all applicable national, state and local construction and safety codes;
- No pre-interconnection study fees are required for units up to 500 kW (under most circumstances), and study fees for larger systems are limited;
- Time limits apply to pre-interconnection studies and application approval or rejection (4-6 weeks);
- Pre-certification provisions allow for fast-track interconnection;
- Equipment and operational requirements are differentiated based on connection type (single-phase or three-phase), paralleling mode and system size;
- Cut-off points exist 10 kW, 500 kW, 2 MW and 10 MW;
- The rules include technical provisions for interconnection to radial as well as network distribution systems;
- An external disconnect device is required for all systems;
- Standardized interconnection applications (2-3 pages) and interconnection agreements (4-5 pages) are used;
- No additional insurance is required;
- Liability is limited; and

- Dispute-resolution procedures have been designated.

The PUCT's [Distributed Generation Interconnection Manual](#) includes a review of safety and technical requirements of DG installations; a copy of applicable rules, application procedures and forms; Texas utility contacts; and equipment pre-certification requirements.

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Line Extension and Construction Charges	Texas
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Incentive Type: Line Extension Analysis

Eligible Photovoltaics, Wind, Other Distributed Generation Technologies

Renewable/Other Technologies:

Applicable Sectors: Utility

Requirements: Utility must provide information on alternative-energy options to customer

Service: Requests for new residential service requiring construction, such as line extensions, must be completed within 90 days, or within a time frame agreed to by the customer and electric utility, provided the applicant has met the credit requirements noted in § 25.24

Authority 1: PUCT Substantive Rules § 25.22(7)

Summary:

If an electric utility must construct a line extension for a customer, and the utility requires the customer to pay a Contribution in Aid to Construction (CIAC) or a prepayment charge, or to sign a contract with a term of one year or longer, the utility must provide the customer with information about on-site renewable energy and distributed-generation (DG) technology alternatives. The information must be provided to the customer at the time of the CIAC estimate or prepayment. This information must comply with guidelines established by the Public Utilities Commission of Texas (PUCT), and must be provided to the customer at the time the estimate of the CIAC or prepayment is given to the customer. If a CIAC or prepayment is not required, then the information must be given to the customer before a contract is signed. The information is intended to educate the customer on available alternative options.

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Renewable Generation Requirement	Texas
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Incentive Type: Renewables Portfolio Standard

Eligible: Solar Water Heat, Solar Thermal Electric, Photovoltaics, Landfill

Renewable/Other: Gas, Wind, Biomass, Hydroelectric, Geothermal Electric, Geothermal

Technologies: Heat Pumps, Tidal Energy, Wave Energy, Ocean Thermal

Applicable Sectors: Municipal Utility, Investor-Owned Utility, Rural Electric Cooperative, Retail Supplier

Standard: 2,280 MW by 1/1/2007, increasing to 5,880 MW by 1/1/2015

Technology: Target of at least 500 MW from renewables other than

Minimum: wind

Credit Trading: Yes

Authority 1: Section 39.904 of Texas Utilities Code; PUCT Substantive Rule 25.173

Date Enacted: 12/16/1999

Effective Date: 1/10/2000

Authority 2: SB 20 of 2005

Date Enacted: 8/1/2005

Effective Date: 9/1/2005

Website: <http://www.puc.state.tx.us/rules/subrules/electric/25.173/25.173ei.cfm>

Summary:

In 1999 the Public Utility Commission of Texas (PUCT) adopted rules for the state's Renewable Energy Mandate, establishing a renewable portfolio standard (RPS), a renewable-energy credit (REC) trading program, and renewable-energy purchase requirements for competitive retailers in Texas. The 1999 standard called for 2,000 megawatts (MW) of new renewables to be installed in Texas by 2009, in addition to the 880 MW of existing renewables generation at the time. In August 2005, Senate Bill 20 increased the renewable-energy mandate to 5,880 MW by 2015 (about 5% of the state's electricity demand), including a target of 500 MW of renewable-energy capacity from resources other than wind. Wind accounts for nearly all of the current renewable-energy generation in Texas. The 2005 legislation also set a target of reaching 10,000 MW in renewable energy capacity by 2025.

To address concerns about the adequacy of the state's transmission systems, the new law instructs the PUCT to require utilities to add to their transmission systems as necessary to meet the renewable energy goal, and to allow utilities to recover the cost of such projects in their electric rates.

The schedule of renewable energy capacity required and the corresponding compliance dates are as follows:

- 2,280 MW by 1/1/2007
- 3,272 MW by 1/1/2009
- 4,264 MW by 1/1/2011
- 5,256 MW by 1/1/2013
- 5,880 MW by 1/1/2015

Qualifying renewable energy sources include solar, wind, geothermal, hydroelectric, wave or tidal energy, biomass, or biomass-based waste products, including landfill gas. Qualifying systems are those installed after September 1999. The RPS applies to all investor owned utilities. Municipal and cooperative utilities are excluded from the RPS, but can opt in.

The PUCT established a renewable-energy credit (REC)-trading program that began in July 2001 and will continue through 2019. Under PUCT rules, one REC represents one megawatt-hour (MWh) of qualified renewable energy that is generated and metered in Texas. A Capacity Conversion Factor (CCF) is used to convert MW goals into MWh requirements for each retailer in the competitive market. The CCF is administratively set and equal to 35% for the first two compliance years, thereafter based on the actual performance of the resources in the REC-trading program.

Each retailer in Texas is allocated a share of the mandate based on that retailer's pro rata share of statewide retail energy sales. The program administrator maintains a REC account for program participants to track the production, sale, transfer, purchase, and retirement of RECs. Credits can be banked for 3 years, and all renewable additions have a minimum of 10 years of credits to recover over-market costs. A penalty system has been established for providers that do not meet the RPS requirements. The penalty is the lesser of \$50 per MWh or 200% of the average cost of credits traded during the year.

In 2004, the PUCT [amended](#) the RPS to change the formula for calculating final REC purchase requirements, add a mechanism to account for corrections to retail sales data, and allow the program administrator of the REC-trading program to petition for deadline changes under certain circumstances.

The PUCT has the authority to cap the price of RECs and may suspend the standard if necessary to protect the reliability and operation of the grid. For more information on RECs, visit the [ERCOT web site](#).

[HB 1090](#) of 2007 clarified that RECs retired for other purposes (e.g. sold through a voluntary green power program) could not be counted toward the RPS requirements. HB 1090 also permits large utility customers served by transmission voltage to opt out of the RPS requirements. Finally, HB 1090 empowers the PUCT to establish alternative compliance payments (ACP) for the RPS and for the non-wind target. Until an ACP is set, compliance with the non-wind target is effectively voluntary.

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San Antonio City Public Service - Renewables Portfolio Goal	Texas
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Incentive Type: Renewables Portfolio Standard
Eligible Wind
Renewable/Other Technologies:
Applicable Sectors:
Standard: 15% by 2020
Website: http://www.citypublicservice.com/content_listInternet.asp?cont_id=8477&elmt_id=12

Summary:

San Antonio's municipal electric utility, City Public Service (CPS), has established a goal of meeting 15% of its electrical peak demand with renewable energy by 2020. The goal, established in 2003 by San Antonio's Strategic Energy Plan, will be fulfilled mostly by wind energy. As of April 2007, about 10% of the city's peak demand was generated by renewables. (CPS is not subject to the requirements of Texas's renewable portfolio standard.)

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Texas - Net Metering	Texas
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Incentive Type: Net Metering Rules
Eligible Solar Thermal Electric, Photovoltaics, Landfill Gas, Wind, Biomass,
Renewable/Other Technologies: Hydroelectric, Geothermal Electric, Tidal Energy, Wave Energy, Ocean Thermal
Applicable Sectors: Commercial, Industrial, Residential
Limit on System Size: 100 kW for qualifying facilities; 50 kW for renewables (see summary)
Limit on Overall Enrollment: None
Treatment of Net Excess: Purchased by utility for a given billing period at avoided-cost rate
Utilities Involved: Applies only to all integrated IOUs that have not unbundled in accordance with Public Utility Regulatory Act

§ 39.05; does not apply to municipal utilities, river authorities and electric cooperatives

Interconnection Standards for Net Metering? Yes

Authority 1: 16 TAC § 25.242(h)(4)

Authority 2: PURA § 31.002

Authority 3: 16 USC § 796(17)(D)

Website: <http://www.puc.state.tx.us/rules/subrules/electric/25.242/25.242ei.cfm>

Summary:

Note: [HB 3693](#), passed in May 2007 and effective September 2007, appears to make significant modifications to Texas net metering and interconnection policy, potentially making net metering available to systems of up to 2 MW. However, as of December 2007 no new rules had yet been adopted and discussions among the Electric Reliability Council of Texas (ERCOT) and the Public Utility Commission of Texas (PUCT) were still ongoing. PUCT documents on this subject are available under [Docket 34890](#) while ERCOT is addressing issues for small renewable generators (<50 kW) through its [Distributed Generation Task Force](#).

The Public Utility Commission of Texas (PUCT) has adopted limited net-metering rules. PUCT Substantive Rule § 25.242(h) requires any integrated investor-owned utility (IOU) that has not unbundled in accordance with § 39.051 of the federal Public Utility Regulatory Policy Act (PURPA) to provide specific net-metering options for customers that operate qualifying facilities (QFs) of 100 kilowatts (kW) or less that use non-renewable-energy resources, and to qualifying facilities of 50 kW or less that use renewable-energy resources. Less than 25% of Texas is currently served by integrated IOUs since deregulation. Customers should review § 25.242 to determine if their renewable-energy facility meets the criteria for net metering. For eligible facilities, there is no statewide limit on the number of customers who may net meter, and there is no statewide limit on the total aggregate net-metered capacity under the rules.

Since Texas began deregulating its electric industry, electric utilities now fall into two categories with regard to net metering and interconnection: (1) integrated IOUs *outside* the Electric Reliability Council of Texas (ERCOT) with a *clear regulatory obligation to interconnect and net meter*, and (2) electric cooperatives, municipal utilities and river authorities with *no obligation to interconnect and net meter*.

For IOUs *outside* ERCOT (i.e., El Paso Electric Company, Entergy Texas, Southwestern Electric Power Company and Xcel Energy), a customer may interconnect a renewable-energy facility up to 50 kW in size with a single, bi-directional meter. With bi-directional net metering, customers effectively receive the retail price for energy produced up to the amount consumed on-site, and customers receive the utility's avoided-cost rate for excess energy exported to the grid.

For deregulated entities *within* ERCOT, there are no clearly written rules for net metering. Existing rules and requirements have not been modified to address this issue.

Interconnection Standards

Any "electric utility" (defined in § 31.002 of PURA) that (1) owns and operates a distribution system in Texas, and (2) is not subject to a utility rate freeze, must make available, upon request, interconnection service to an electric customer with an on-site generating facility. To facilitate this right, the PUCT has adopted distributed generation (DG) rules for the interconnection of small generators to the electric utility network (16 TAC § 25.211 et seq.). 16 TAC § 25.211 prescribes rules applicable to all investor-owned utilities for such interconnections for generators of 10 megawatts or less. Click [here](#) for more information about Texas's interconnection standards.

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Texas Building Energy Code	Texas
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Incentive Type: Building Energy Code

Eligible Efficiency

Technologies: Comprehensive Measures/Whole Building

Applicable Sectors: Commercial, Residential

Residential Code: 2000 IECC with 2001 Supplement, mandatory for all buildings; jurisdictions may adopt a more recent code. 2003 IECC mandatory for state-funded buildings. Can use REScheck to show compliance.

Commercial Code: 2000 IECC with 2001 Supplement, with reference to ASHRAE 90.1-2001, mandatory for all buildings. Jurisdictions may adopt a more recent code. ASHRAE 90.1-2004 mandatory for state-funded buildings. Can use COMcheck to show compliance.

Code Change Cycle: No set schedule. Most recent update effective: September 1, 2005;

Jurisdictions: 2006 IECC: Greenville, Levelland
2003 IECC: Alamo, Alamo Heights, Alice, Alvarado, Amarillo, Arlington, Baytown, Bee Cave, Benbrook, Boerne, Bowie, Brownsville, Brownwood, Bryan, Carrollton, City of the Colony, Cleburne, Cleveland, College Station, Colleyville, Dallas, Denton, DeSoto, Duncanville, Ennis, Euless, Farmers Branch, Flower Mound, Fredericksburg, Garland, Grand Prairie, Grand Saline, Haltom City, Highland Park, Hurst, Hutto, Jonestown, Keller, Kemah, Killeen, La Porte, Lake Jackson, Lake Worth, Lancaster, Leander, Little Elm, Lorena, Marble Falls, McGregor, McKinney, Mesquite, Midland, Mont Belvieu, Montgomery, New Braunfels, Plano,

Portland, Salado, San Angelo, Santa Fe, Sherman, Sugar
Land, Waco, Waller, Weatherford, Webster, West
University Place, Westlake, Willis, Ysleta Del Sur Pueblo
2000 IECC with 2001 Supplement: McAllen
2000 IECC: Burnet, Conroe, Georgetown, Helotes,
Houston, Kerrville, Lakeway, Llano, Lubbock, Mansfield,
Nassau Bay, Nederland, Richmond, San Antonio, Victoria,
Watauga

Authority 1: HB 3693 (2007)

Date Enacted: 06/15/2007

Effective Date: 09/01/2007

Website: <http://www.bcap-energy.org/node/96>

Summary:

On September 1, 2005, Texas adopted the 2003 IECC for state-funded residential construction, and ASHRAE 90.1-2004 for state-funded commercial construction. In 2007 HB 3693 authorized a code review cycle coinciding with the release of each new edition of the IRC and IECC. The Texas State Energy Conservation Office (SECO) is authorized to adopt the new codes if they will result in improved energy efficiency and air quality, based on the analysis and recommendations of the Energy Systems Lab at Texas A&M University. More information can be found at the [SECO webpage](#).

For buildings other than state-owned buildings, energy codes must be adopted by local code jurisdictions to be enforceable. Such adoption is normally achieved through a vote of the city council or the local government adoption process. Depending on the form of government, the mayor may be required to sign the law. Most local jurisdictions adopt either the Standard or Uniform Building Codes as their building code, but a few adopt the National Building Codes (NBC). The energy codes or standards are usually adopted by reference in the applicable building code (e.g., the MEC is adopted by reference in the NBC and in an Appendix of the SBC and UBC). For state-owned or -funded buildings, the provisions are adopted through the state's administrative process of publication, public comment, and hearings.

For more information about Building Codes, contact:

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