

# CenterPoint Energy

## Energy Efficiency Programs Bulletin

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### Boling ISD's Energy Master Plan

By the numbers: 499,092 kWh | \$45,974 incentive

Taking the leap from plan to reality can sometimes be difficult. By participating in the CenterPoint Energy SCORE Program, Boling ISD (BISD) received the support it needed to create a five-year Energy Master Plan that lays out top priority projects and keeps the district on schedule.

After the district joined the SCORE Program in 2011, program staff provided a benchmarking report for BISD's facilities. The report identified that the district was spending more money per square foot than it should due to inefficiencies. With the benchmarking results in hand, district officials worked with SCORE Program staff to create a five-year energy master plan. The district's first projects included installing air conditioning and lighting systems in the elementary, junior high and high schools, as well as the administration building and bus barn.

Superintendent Wade Stidevent said that the energy savings will allow the district to "offset cuts in state funding and plan for future [equipment] upgrades."

To overcome financing barriers, Boling ISD entered into an Energy Savings Performance Contract with Way Companies (Way), which will allow the district to pay for the project without any up-front costs using the savings generated by increased efficiency.



*CenterPoint Energy programs are vendor neutral and no specific trade allies or contractors are endorsed.*

### Financing 101

The benefits of energy efficiency far outweigh the costs to implement projects. Don't let financing be a roadblock to making improvements. There are many financing solutions available—and at least one that's right for you and your organization. Your program representative can help you identify the right financing option—leasing, bonds, grants, loans or performance contracts. Here's a list of resources to start with:

#### State Energy Conservation Office

<http://www.seco.cpa.state.tx.us/funding/>

#### Texas Bond Review Board

<http://www.brb.state.tx.us/QECB/QECB.aspx>

#### SECO LoanSTAR Program

<http://www.seco.cpa.state.tx.us/l/>

#### Performance Contracting Information/Guidance

[http://seco.cpa.state.tx.us/perf\\_contract.php](http://seco.cpa.state.tx.us/perf_contract.php)

If you are interested in a municipal lease or lease purchase agreement, please contact the program to set up a presentation.

SCORE<sup>SM</sup> and CitySmart<sup>®</sup> are no-cost programs offered by CenterPoint Energy to school and government customers to improve energy efficiency and reduce operating costs. Based on your individual needs, the program will provide customized assistance, such as:

- **Energy Performance Benchmarking:** learn where and how your buildings are wasting energy.
- **Energy Master Planning Workshops:** learn energy management best practices that staff can employ to maximize long-term savings.
- **Financing Assistance:** learn about the many options available to finance energy efficiency projects that involve little to no up-front cost.
- **Technical Assistance** to help identify and evaluate energy-efficiency opportunities.
- **Communications Support** to help publicize your leadership and accomplishments in energy efficiency.
- **Incentives:** earn varying cash incentives for lighting, HVAC, roofing and other projects that reduce peak electric demand.

SCORE Lite is a similar no-cost energy efficiency program for schools that allows participants to earn higher financial incentives if they elect not to participate in the non-cash incentives that SCORE provides.

For more information, please contact Cheryl Bowman, CenterPoint Energy Program Manager, at (713) 207-5631 or [cheryl.bowman@CenterPointEnergy.com](mailto:cheryl.bowman@CenterPointEnergy.com).

The programs are sponsored by CenterPoint Energy and administered by CLEAResult. Contacts:

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# PARTNER SUCCESS

The following partners were awarded for energy efficiency savings:

**Alvin ISD**  
\$1,696

**Boling ISD**  
\$45,974

**Clear Creek ISD**  
\$2,449

**Concordia Lutheran**  
\$22,718

**Fort Bend ISD**  
\$995

## Congratulations, Partners!

## SCORE's Non-monetary Benefits Fuel School's Progress

By the numbers\*: 768,151 kWh | 407.93 kW

Cypress-Fairbanks ISD, the third largest district in the state, joined the SCORE Program in the 2006 pilot year. The district achieved the highest level of energy savings (and earned the largest incentive check) of any CenterPoint participant in the first year and continues to be one the program's most influential members.

Since then, school officials have vigorously transformed the facilities, using the available technical guidance, benchmarking and Energy Master Planning services.

This year, using bonds and bond interest, the district is installing eight new chillers, saving the amount of energy equal to the annual greenhouse gas emissions from about 104 passenger cars.

What's next? In the coming months, the district will launch a pilot environmental behavior adjustment program, funded entirely by SCORE incentives from the past several years. The focus of the program is on the environment and energy conservation will be built into the curriculum at seven schools. Faculty will receive training, too. CFISD's commitment to saving energy deserves a GIANT round of applause!

*\*Project is still under engineering review and savings amounts are estimates only.*

“ We supported the SCORE Program before it was a necessity for schools to focus on energy efficiency. The incentives are nice, but the non-monetary benefits are really what made us switch from the Standard Offer Program. ”

- Glen Rhoden, CEM CEP ATEM  
CFISD energy manager

## R-22 Refrigerant Phaseout

The U.S. Environmental Protection Agency is phasing out R-22 refrigerant because it contains hydrochlorofluorocarbons (HCFCs).

How does this affect you? As a frame of reference, a 125-ton chiller contains at least 1,250 pounds of R-22. If it lost 25% of its refrigerant annually due to repair issues, it would cost about \$6,000 at today's R-22 price (\$425-\$540 per 30-pound tank) to refill the refrigerant.

The cost of R-22 refrigerant is going up as the demand increases and supply decreases. If you have chillers in inventory that have maintenance issues, it's important to work with your program representatives to see what type of equipment would qualify for retrofits. Up-front costs to install new chillers could help avoid increasing maintenance costs in the future due to this product phaseout. By 2020, servicing of systems with R-22 will rely solely on recycled or stockpiled quantities, which will make R-22 harder to find and much more expensive to purchase.



### Phaseout of R-22 and R-142b

HCFC-22 (also called R-22) and HCFC-142b are the next two HCFCs being phased out by the United States.

#### January 1, 2010

Ban on production and import of HCFC-22 and HCFC-142b except for continuing servicing needs of existing equipment.

#### January 1, 2015

Ban on sale and use of all HCFCs except for certain uses, including continuing servicing needs of refrigeration equipment.

#### January 1, 2020

Ban on remaining production and import of HCFC-22 and HCFC-142b.

*After 2020, the servicing of systems with R-22 will rely on recycled or stockpiled quantities.*