

El Paso Electric

Energy Efficiency Programs Bulletin

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El Paso Electric

This edition spotlights our [SCORE](#), [Large Commercial Solutions](#) and [SCORE Plus Programs](#). So far this year, three of EPE's largest energy efficiency programs will save more than 3.8 million kilowatt-hours annually, which is equal to abating the annual greenhouse gas emissions from more than 500 cars.

The Large Commercial Solutions Program is well on its way to meeting the 2012 energy savings goal. The SCORE and SCORE Plus Programs are also doing well, working with participants in new sectors. **All of these programs still have remaining funds, so please contact us to discuss any possible energy-saving projects for 2012 and 2013.**

- El Paso Electric Energy Efficiency Team

2012 Projects To Date

Programs	# Projects
SCORE	19
Large Commercial Solutions	32
SCORE Plus	16

In SCORE Plus: Energy Efficiency Isn't a Gamble

Sunland Park Casino & Racetrack: Participant since 2010 | \$24,804 incentive | 81 kW | 392,023 kWh

Sunland Park Racetrack & Casino is saving about \$10,000 a month on electricity bills—a High Performance T8 lighting renovation throughout the facility's interior and horse barns has cut energy consumption in half.

After attending a SCORE Plus Program seminar in Las Cruces, Risk Manager Robert Cantu knew Sunland Park could really benefit from participating. The horse track was established in 1959, so you can imagine the antiquated lighting technology that existed in that part of the facility. "You could hear the lights buzzing from a distance and when you walked under them, your hair kind of stood up," said Cantu.

Although the casino is a newer addition—it opened in 1999—the existing T12 technology wasn't up to par either. "The big thing for the casino is saving money," said Cantu. "It's about incorporating the new technology into your existing systems."



BEFORE



AFTER

Cantu is pleased with the look of the new lights, the significant energy and cost savings, and the technical advice he received from program staff. "We cut our energy consumption in half, but it seems a lot brighter in the building," said Cantu. "I never realized there were so many options out there, you just have to be willing to take a shot." This project was no gamble, the projected savings was the selling point and the determining factor for completing this project.

Sunland Park continues to look for efficiency opportunities. In November, it would like to begin the next phase of lighting improvements in the parking lot. The proposed retrofit will reduce the lighting consumption by half. The facility is also testing EPE's VendingMiser® product, which provides efficiency controls for drink coolers. They are also researching efficient reflective roof coating.

“I never realized there were so many [energy efficient technology] options out there.”

The **Large Commercial Solutions Program** provides incentives to Texas business customers for projects that reduce peak electric demand, along with technical guidance and communications support.

The **SCORESM Program** provides Texas educational, city and county customers with a combination of energy efficiency services, including benchmarking, energy master planning, incentives for projects that reduce peak electric demand, and communications and technical support.

The **SCORE Plus Program** provides New Mexico public and private sector customers with a combination of financial and technical incentives.

Contacts:

Large Commercial Solutions and SCORE

Araceli Perea | (915) 543-4197 | araceli.perea@epelectric.com

SCORE Plus

Derek Pearson | (915) 521-4468 | derek.pearson@epelectric.com

TEXAS: <http://eeprograms.net/epe>

NEW MEXICO: <http://eeprograms.net/SCOREPlus>

Participant Success

EPE provided incentives to the following participants for energy savings this year (with many more to come!):

- 5 Star Tech ILP
- Azar Nut Company
- Canutillo ISD
- City of El Paso
- City of Las Cruces
- Coach
- Coronado Tower LLC
- El Paso County
- El Paso ISD
- Fabens ISD
- Furniture Row
- Gadsden ISD
- JCPenney
- Macy's
- MIMCO, Inc.
- Mountain View Dairy
- NASA
- New Mexico State University
- Providence Hospital
- Ray, Valdez, McChristian & Jeans, P.C.
- Seco Spice
- Simon Malls
- Starr Western Wear
- TE Connectivity
- Texas Tech University
- Therm-o-Link
- Toro
- University of Texas-El Paso
- Viva Powersports
- Wells Industries
- Windrose Medical
- Ysleta ISD

Total Incentives Paid
\$388,069

Congratulations,
Participants!

In SCORE: Four Years of Healthy Improvements

Canutillo ISD: Participant since 2008 | \$57,038 incentives | 318 kW | 795,545 kWh

Like many school districts in Texas, Canutillo ISD continues to face budget cuts. Luckily, energy efficiency is helping the school district maintain staff and provide a healthy learning environment for nearly 6,000 students. Since joining the SCORE Program in 2008, the district has made significant efficiency improvements to its schools and incorporated efficient equipment in the new Garcia Elementary.

In Large Commercial Solutions: Nuts About Safety and Savings

Azar Nut Company: Participant since 2010 | \$29,169 incentives | 91 kW | 557,927 kWh

Also making strides in energy efficiency are the Large Commercial Solutions participants. At the Azar Nut Company in El Paso, new lighting creates a brighter and safer working environment for hundreds of employees. Azar Nut Company, which processes and packages walnuts, pecans, and other



The Before & After photos in the warehouse illustrate the dramatic improvement in visibility and brightness.

assorted nuts for Azar Foodservices, is saving a significant amount of energy annually. The company recently completed the second phase of lighting retrofits and is now investigating HVAC retrofits for more energy savings.

Energy Savings: Positively Benefiting the Environment

In 2012, the annual energy savings for the SCORE, Large Commercial Solutions and SCORE Plus participants is roughly equivalent to the annual carbon dioxide emissions of:

884
passenger vehicles

505,337
gallons of gasoline

562
homes' worth of electricity

Technical Corner: 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.

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.

The cost of R-22 refrigerant is going up as the demand increases and supply decreases. If you have chillers 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.

