



El Paso Electric

Energy Efficiency Programs Bulletin

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ABOUT THE PROGRAM

El Paso Electric offers the Commercial Solutions Program to provide viable energy optimization for commercial and industrial customers. Designed to educate businesses on energy management and encourage investment in energy efficiency, this program helps partners minimize the impact of volatile energy costs, ease budget pressures, and provide infrastructure improvements.

For more information about the Commercial Solutions Program, contact Susanne Stone, EPE Program Manager, at (915) 543-2271 or ssstone@epelectric.com.

The program is sponsored by El Paso Electric and administered by CLEARresult. You can reach Commercial Solutions Program Manager, Ross Oakley, at (512) 327-9200 or roakley@CLEARresult.com.

The Church of St. Clement Shines its Light

Built in 1907, the Church of St. Clement has witnessed many changes in the city of El Paso. This year, it decided to make a few changes of its own.

St. Clement is more than just a church—it's a nonprofit organization with an

accredited private elementary and middle school. After completing several energy efficiency upgrade projects through the SCORE Program, the church turned to the Commercial Solutions Program to create a long-term plan to increase its overall efficiency.



The first of its many changes included an energy efficient lighting upgrade that will save the church approximately 141,600 kilowatt-hours of electricity and an estimated \$10,000 in annual electric costs.

"The retrofit to more energy efficient lighting helps us become better stewards of the financial resources that are provided to us," said Junior Warden Robert Hoover.

One Opportunity Leads to Another

Air System Components (ASC) joined the Commercial Solutions Program in 2009 with a modest goal of completing a single lighting retrofit. However, the customized air conditioning equipment manufacturer quickly realized this project only scratched the surface of its energy efficiency potential.

After saving more than 100,000 kilowatt-hours of electricity from the lighting retrofit, the company turned its attention to its compressed air system. Commercial Solutions Program representatives measured the load of ASC's 100-horsepower air compressor and determined the company's operations only required half that capacity. Without

sacrificing performance, ASC replaced its compressor with a 50-horsepower model, saving more than 60,000 kWh annually. In addition, the company converted its evaporative coolers from 5-horsepower to 3-horsepower motors, installed skylights, and incorporated timers into manufacturing areas that are not always occupied to reduce energy consumption.

Continuing its efficiency initiative, ASC recently completed a second lighting retrofit that saved an additional 111,000 kWh.

Combined, this multi-year commitment earned ASC more than \$16,500 in program incentives and saved nearly 273,000 kilowatt-hours of electricity.



ReadyOne Ready for Efficient Lighting System

ReadyOne Industries has plenty of experience helping others. The nonprofit, which primarily employs individuals with disabilities, produces a variety of goods for the U.S. government.

Fortunately, ReadyOne's facility features abundant natural light due to its many windows and skylights. To maximize the value of this free light source, Commercial Solutions Program representatives recommended a lighting system

with sensors that automatically turn off lights when adequate natural light is detected.

The lighting upgrade will save nearly 387,800 kilowatt-hours per year and \$45,000 in annual electric costs. Additionally, ReadyOne collected more than \$20,600 in incentives and ensured its employees work spaces were lit by the most pleasant light source-the sun.

DOE NEWS: DOE Drives High Efficiency Air Conditioners Forward

Energy Secretary Steven Chu announced that the Department of Energy is joining with the private sector to support market-based efforts to develop and deploy next-generation high-efficiency air conditioners for commercial buildings. As part of a voluntary program, the Department worked with members of the DOE Commercial Building Energy Alliances, including Target and Walmart, to develop new performance criteria for 10-ton capacity commercial air conditioners, also known as rooftop units (RTUs).

When built according to the requirements of the new specifications, these high-efficiency rooftop units are expected to reduce energy use by as much as 50-60 percent over the current equipment. Commercial buildings account for 18 percent of U.S. energy use and include significant opportunities for energy and financial savings that can help American companies stay competitive on a global scale.

"One of the most cost-effective ways for businesses to save money and improve their economic competitiveness is to reduce the energy needed to power their commercial buildings and facilities," said Secretary Chu. "The public-private efforts announced today are leveraging America's leadership in innovation to advance clean energy, support U.S. manufacturers and help a broad cross section of businesses become more competitive."

Source: US Department of Energy (www.eere.energy.gov)

B E N C H M A R K I N G C O R N E R

Transforming Business Operations with Energy Master Planning

Energy Master Planning (EMP) has the power to transform business operations by prioritizing energy management within an organization, creating leadership awareness and a cohesive environment of energy management accountability. Spending a couple of hours to explore an organization's energy management culture in a facilitated energy master planning workshop can result in thousands of dollars saved and maximize energy expenditures. The workshop provides an opportunity for program participants to review their benchmarking reports, understand how to use them in the future and begin benchmarking energy management practices.

The Commercial Solutions Program has helped more than 175 participants develop and implement EMPs. Using over 500 years of collective energy industry experience, we have developed an interactive diagnostic approach we facilitate to help us identify strengths and opportunities to

incorporate into a tailored EMP. During the workshop we highlight best practices in a number of areas including 1) funding and procurement; 2) planning and decision making; 3) communication and coordination; 4) evaluation and assessment; 5) energy-related management systems; 6) personnel and skills; and 7) incentives and priorities.

At the end of the workshop, we will have gathered enough information from leaders in the organization to develop and deliver an energy master plan that outlines short term and long term energy management action items. We encourage workshop participants to review the document, gather internal feedback and then obtain endorsement of the document by key stakeholders within the organization. By implementing these strategies and utilizing the delivered building benchmarking results, energy management becomes a stated priority and focus, resulting in thousands of dollars saved.