

Energy Leader Partnership (ELP)

Integrated Demand Side Management Success Story



City of Beaumont



Beaumont City Hall

City of Beaumont Stands by Its Commitment to Energy Leadership

Beaumont, located in Riverside County's San Geronimo Pass, blends small-town sensibility with the conveniences larger cities have to offer. Residents enjoy modern comforts and recreational areas, with the added allure of fresh air and mild temperatures. The City's nearby access to interstates and highways makes it a good location for developing businesses. With population growth anticipated well into the future, Beaumont is positioned as a sought-after region for both residential and commercial opportunities.

Community involvement is important to the City of Beaumont. For the past year, the City has been posting Energy Saving Tips of the Week to Facebook, as well as promoting SCE's smart meter installation effort. Beaumont has provided a number of programs to its citizens, like its LED Christmas Light Exchange. The City also supports SCE's Direct Install program for local businesses, distributes educational materials about cost-saving programs, such as California Alternate Rates for Energy (CARE) and Family Energy Rate Assistance (FERA) at community events, and supports integrated environmental, Energy Efficiency (EE) and Demand Response (DR) programs.

Beaumont is currently working on a Climate Action Plan (CAP) featuring a greenhouse gas inventory of all City buildings and vehicles, including Beaumont's own Pass Transit public transportation system.

Beaumont and SCE's Energy Leader Partnership: Programs and Solutions for Success

SCE's Energy Leader Partnership program (ELP) supports local governments in reducing energy usage, and encourages community leadership through energy efficiency projects. As the City reduces its energy usage, it advances through the ELP tier levels: Valued Partner, Silver, Gold, and Platinum. Each tier level achieved raises the incentive for a 2,000,000 kWh energy project by approximately \$60,000, or \$0.03 cents per kWh saved.

By participating in Demand Response programs and implementing Energy Efficiency solutions, Beaumont reached the Gold level in late 2010. Early actions included replacing existing lighting in the City Hall, installing variable-frequency drives and pumps to move sewage to the City's waste water treatment plant, and installing LED street lights throughout town.

Estimated Savings by Managing Energy

- *Location:* Beaumont, Calif.
- *Industry:* Municipality
- *Type of Installations:* LED lighting, variable-frequency drive pumps
- *SCE Programs Utilized:* Energy Leader Partnership, Energy Efficiency Measures, and Demand Response Programs
- *Results:* Annual lighting operation cost reduction of nearly 30%

REDUCTION FROM
LED LIGHTING UPGRADE

15 tons
of carbon dioxide emissions

Integrated Demand Side Management Success Story

Beaumont understands that Demand Response is an integral part of ELP. To describe the various programs available, the City recently hosted a Demand Response breakfast for local businesses. Beaumont has enrolled all its eligible accounts in Demand Response programs to help conserve energy at peak demand times, and encourages its residents to participate in SCE's Summer Discount Plan.

Sustainability through Outdoor Lighting Upgrades

The City of Beaumont developed a comprehensive Sustainability Plan in hopes of reducing the size of its carbon footprint. As part of this plan, outdoor lighting was identified as an area in which energy could be readily saved. While examining the various ways to save energy with outdoor lighting, the City sought a solution that would also

be safe for the public and the environment. After studying two lighting options for several weeks, the City chose LED lights mounted on 16' poles for its downtown area. 160 of these 78-watt (78-watt actual usage) LED lights replaced the previous 100-watt (117-watt actual usage) high-pressure sodium fixtures. This upgrade reduced the annual cost of lighting operation by nearly 30 percent, translating to an annual savings of 15 tons of carbon dioxide emissions.

Plans for More Savings

The City is working on saving an additional 74,215 kWh of energy to reach the ELP Platinum level. Their SCE Region Manager and Account Representative help scope out potential Energy Efficiency projects and track the City's progress. Mayor Roger Berg says, "We've been working with SCE's team from the get-go, to make sure we're energy efficient." The collaboration between Beaumont and SCE includes conversations about upgrading and expanding the Head Works portion of the City's waste water treatment facility.

Beaumont currently enjoys cost savings from blending ELP participation with Demand Response programs and Energy Efficiency solutions. This strategy has set the stage for the City to continue on its way toward reaching its goal of future energy savings.

LED Parking Lot and Exterior Lighting Upgrades



This case study is provided for your general information and is not intended as a recommendation or endorsement of any particular product or company. Funding for this case study is provided by California utility customers and administered by SCE under the auspices of the California Public Utilities Commission. The information contained in this case study does not replace CPUC-approved tariffs. Please refer to the individual rate schedule of interest for a complete listing of terms and conditions of service, which can be viewed online at www.sce.com.

© 2012 Southern California Edison. All rights reserved.
NR-799-V1-0412
C-917



"We've been working with SCE's team from the get-go, to make sure we're energy efficient."

Roger Berg
Mayor, City of Beaumont

Start Saving Now

SCE's Energy Efficiency Partnerships

E-Mail:

EnergyEfficiencyPartnerships@sce.com

Other SCE Programs to Help Save More

- Find out how SCE's Demand Response Programs can reward you for reducing your electricity usage during peak hours:
(866) 334-7827
www.sce.com/drp
- Learn about SCE's Business Incentive Programs:
(800) 736-4777
- Take free SCE classes in lighting, HVAC, energy management and more at an Edison Energy Center:
Irwindale: (800) 336-2822
www.sce.com/ctac
Tulare: (800) 772-4822
www.sce.com/agtac
- Get building project design assistance and incentives from Savings by Design. To find out if your project qualifies, visit:
www.sce.com/sbd

SCE offers a variety of solutions, including incentives, energy surveys and payment options to help you better manage your electricity costs.

For More Information

www.sce.com

(800) 990-7788

Contact your SCE Account Representative