

CAP Commercial Technical Team
Thursday, March 25, 2010
13th Street Conference Room
4-6 p.m.

Handout on Small Business Energy Efficiency Program Success Stories

Longmont EnergySmart Program - 2008 to present. Provides businesses with an energy assessment, technical assistance to prioritize projects, contractor referrals, matching grant funding, and utility rebate assistance. Twelve businesses completed efficiency projects in 2009. Costs and energy savings to follow.

Los Angeles Department of Water and Power (LADWP) LADWP implemented a Lighting Efficiency Program for small businesses. In just nine months, EnerPath, upgraded the lighting systems in over 20,000 small businesses. This program created direct jobs for 20 auditors and over 200 local contractors. Although this program initially focused on lighting technologies, EnerPath's PDA-based energy-audit platform collected data needed to evaluate all efficiency measures. This additional data was later used to justify the additional installation of \$8 million of water and HVAC improvements. The utility paid an average of ~\$900 per customer and saved over 72,000 MWh per year (equivalent to ~7,200 homes) and 19 MW at a lifecycle cost of ~6¢/kWh.
www.ladwp.com

Palm Desert wanted to reduce energy usage by 30% city-wide in five years. The city partnered with gas utility, the electric utility, and the Energy Coalition. In twelve months, EnerPath made 1,100 small businesses and 6,100 homes more energy efficient (saving 12,600 and 1,954 kWh/year per respective customer). EnerPath's PDA-based energy-audit platform analyzed efficiency measures for natural gas, electricity, and water and then reconciled all payments and incentives from each funding source. EnerPath worked with local schools who taught energy-efficiency to their students who in turn told their parents to participate in the program. For every \$1.00 that the utility invested in energy-efficiency, customers funded an additional \$1.50 (high spillover ratios).
www.settosave.com

SmartLights Program covering four counties in PG& E's territory with eligible participants of 100KW demand or under. This program was administered through a nonprofit. However, 90% of participants have demands under 20 KW. CPUC determined programs for small business have been sold short, they are an untapped resource for energy savings, it will provide more equity with Public Goods Charge funds and will create local economic development. Over 70% of all California businesses have less than 10 employees. The objective of the project: is to provide independent energy efficiency services, free lighting and refrigeration assessments, generous rebates on installation costs (labor and equipment), volume discounts from contractors with equipment, and project management with quality control on installed projects. Typical project gets rebates of 50-60% of entire project costs. Achievements for this program from 2006-2008 was; 1,757 businesses saved 4275 KW, 12,340 mtCO₂ was avoided; Made personal contacts with 7,500 business about energy efficiency; 3242 received free energy efficiency audits and specifications; 1,757 or 55% of businesses of implemented lighting and/or refrigeration retrofits.