



THEY DESERVE THEIR NAMES UP IN LIGHTS.
(ENERGY-EFFICIENT COMPACT FLUORESCENT LIGHTS.)



As a state, we saved more than 4 billion kilowatt-hours (kWh) this year — enough to power more than 660,000 homes in your community. Below are just a few examples of innovative and successful energy efficiency measures taken by Californian businesses, governments, and schools. These stories prove that investments in energy efficiency not only save energy, but also lower operating costs, increase property value of homes and businesses, and help create local jobs — all the while helping the environment.

Children's Hospital of Central California's facility upgrades saved 3 million kWh. Payback is expected in 18 months. A facility-wide energy audit in 2002 led to several lighting and heating, ventilating, and air conditioning (HVAC) upgrades, including installation of 14 new air-handling systems with variable frequency drives. The 2004 investments alone will save the hospital \$270,000.

The City of Fresno cut electricity use 25-30% in each of its buildings with major upgrades. Through innovative financing from its utility, Fresno installed energy-efficient lighting and ballasts, variable frequency drives on HVAC fans, and a pulse boiler. The city retrofitted Memorial Auditorium with 390 23-watt compact fluorescent lights (CFLs), resulting in a 62,500 kWh drop in electricity usage. At the Municipal Service Center and City Hall Annex, the city plans to replace 14 HVAC units with energy-efficient models.

Dinuba Unified School District expects to lower electricity usage 28% and save \$200,000 by retrofitting its 10 schools. Energy efficiency improvements include redesign of lights, light fixtures, and controls; energy management systems; cool roofs; and energy-efficient HVAC units with air economizers, which take advantage of "free" cooling. Incorporating energy studies into district lesson plans helps more than 5,700 students better understand the importance of efficiency and conservation.

Denny's, Inc. reduced electricity use by 4 million kWh by installing a variety of CFLs in 160 California locations. (Incandescent lights account for 15% to 20% of Denny's total energy use.) What's more, energy-efficient lights have a longer life and are brighter than incandescent lights.

Paramount Citrus saved \$200,000 and cut electricity usage 14%, compared to 2004, by upgrading lights and refrigeration. Throughout its 200,000-sq.-ft. citrus packing plant, the company installed high-bay T5 fluorescent lights with electronic ballasts and photocells, and installed new refrigeration systems. The upgrades will help Paramount save more than 2 million kWh per year.

Mammoth Mountain Ski Area trimmed electricity use by 9%, following an energy audit of its 600,000-sq.-ft. resort. Mammoth improved building insulation, installed programmable thermostats and high-efficiency boilers, and added timers to heating and lighting equipment. To warm a public locker room, heat was piped from a transformer room that had originally vented to the outside. The resort regularly provides staff and guests with energy-awareness information.

United Way of Fresno County (UWFC) is saving \$3,500 annually through renovations, freeing money for social and economic programs. A two-phase energy renovation at UWFC's 25,000-sq.-ft. office reduced average monthly energy use 25%. The refurbishment included replacing 700 lights with more efficient models and installing programmable thermostats, light-emitting diode (LED) exit signs, and motion sensors in hallways, bathrooms, and breakrooms. UWFC also regularly educates employees about energy efficiency.

Merced County Association of Governments (MCAG) saved more than 20,000 kWh a year through a combination of employee education, technology upgrades, and equipment maintenance. MCAG uses T8 fluorescent lights overhead and CFLs for task lighting. MCAG also encourages energy savings at work. It designed an energy-awareness brochure to help its staff make smart energy decisions both at work and at home.

© 2005 Flex Your Power Award Winner
 To learn more about these and other leaders, visit www.FYPower.org where you will also find energy-saving tips, incentive information, energy-efficient product information and more to help you save energy, save money, and help protect the environment.

Funded by the California ratepayers under the auspices of the California Public Utilities Commission.