



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.

Aerjet saved nearly 2.4 million kWh and \$287,000 in 2005 by installing energy-smart, and employee-friendly, lighting. Employees at the Rancho Cordova manufacturing facility noted less eyestrain, increased lighting levels, and a cooler operating environment after T8 fluorescent lights replaced T12s. A multiphased retrofit of chillers and a more efficient system to treat groundwater will save the company an additional 620,000 kWh annually.

Del Monte Foods' fruit-canning facility in Modesto was selected by the U.S. Department of Energy and National Association of State Energy Officials as part of a food industry pilot for assessing comprehensive energy efficiency management technologies. Through this partnership, Del Monte implemented energy management systems that proactively optimize energy usage and support plant maintenance of its water, air, gas, electricity, and steam systems. The new energy management technologies implemented in 2005 have assisted the Del Monte plant significantly reduce plant energy usage and costs.

East West Partners saves 20,000 kWh and more than 50,000 gallons of water annually at its Old Greenwood Natural Resource Management Center. Electricity savings stem from energy-efficient lights and furnaces, dual-pane windows, and economizers, which take advantage of "free" cooling. The 11,500-sq.-ft. facility also features waterless urinals, water-efficient landscaping, a drip irrigation system fed by rainwater capture ponds, and uses recycled water to irrigate the golf course. It exceeds California's stringent energy standards by 26%.

Tahoe-Truckee Unified School District's investments in the new Adler Creek Middle School will save taxpayers money in future energy costs. With energy and water efficient technologies, such as high-efficiency heat pumps and low-flow water fixtures, the school exceeds California's stringent energy standards for buildings by 20%. The facility relies on geothermal energy for heating — reducing related costs 59% — and natural light to illuminate classrooms.

Truckee-Tahoe Airport is a model for innovative lighting technology for landing fields worldwide. For one-tenth of the cost of a comparable hard-wired light-emitting diode (LED) system, the airport outfitted its taxiway with solar-powered LED lights. The new lighting saves more than \$850,000 in capital costs and 122,000 kWh annually. And, airport staff and pilots prefer the lighting; the LED lights are easier to see and will not fail during an electricity blackout.

Los Rios Community College District saved 2.5 million kWh and \$230,000 annually by replacing 26,000 lights with energy-efficient models. Standardizing energy-efficient lamps, the district dramatically reduced lamp inventory and costs required for ongoing maintenance. The district participates in utility electric demand response programs, utilizes benchmark data to track monthly energy use and to identify prospective energy projects, and helps educate others about non-chemical water treatment for HVAC that saves 7 million gallons of water annually.

The City of Sacramento's City Hall expansion will be 25% more efficient than California's stringent energy standards for buildings. All future buildings must meet the Leadership in Energy and Environmental Design (LEED) Silver standards. Sacramento also teams with local schools to develop energy awareness public service announcements and distributes educational materials through libraries, community centers, and employee paychecks. Since 1999, energy-efficient retrofits to city facilities have saved 7 million kWh.

El Dorado County expects to cut annual energy use 25% (relative to 2000 levels) and save \$250,000 on utility bills. An energy audit prompted the county to begin a multiphase retrofit that included installing T8 lights throughout six facilities and, in three others, optimizing heating, ventilating, and air conditioning (HVAC) systems with variable speed drives, high-efficiency motors, and energy management systems. The county will complete the final phase by extending lighting retrofits to seven other buildings this year.

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