

HERE'S TO THE CALIFORNIANS WHO RECOGNIZE THAT PROTECTING THE ENVIRONMENT DOESN'T COME AT A COST, BUT A SAVINGS.



This year, California businesses, local governments, and schools invested in energy efficiency to reduce their ongoing electricity use. They reduced electricity use even further by cutting their demand during peak hours when energy supplies were tight. Cutting electricity use during peak hours — the time of day when energy use is highest — helps ensure reliable, affordable power for everyone. In total, Californians committed to reduce their electricity demand by more than 2 million kW — the equivalent of the capacity of two nuclear power plants. Additionally, roughly 800,000 Californian residents and small businesses lowered their total summer electricity use 20% or more — compared to last summer's usage. Below are just a few outstanding examples of how businesses, governments, and schools in your area took simple actions to help make electricity reliable for everyone.



Becton Dickinson's upgrades to its Redlands distribution center will save 828,000 kWh in 2005. The medical technology company replaced more than 600 metal halide lights with T5 fluorescent lights and occupancy sensors in its 425,000-sq.-ft. facility. The retrofit saved money on utility bills and improved working conditions by increasing lighting levels for its 120 employees.

Otay Water District (OWD) cut peak demand by 56% through time-of-use metering and off-peak pumping while participating in a demand response program. Since 2003, OWD has also upgraded pumps, motors, lights, and HVAC equipment — saving \$93,000 in annual costs and 1.7 million kWh.

The City of Garden Grove saves more than \$53,000 annually after upgrading 64 municipal buildings. The city switched from T12 fluorescent lights to more efficient T8s, converted incandescent bulbs to compact fluorescent lights (CFLs), and upgraded exterior lighting to save more than 500,000 kWh. Additional improvements included the installation of an energy-efficient heating, ventilating, and air conditioning (HVAC) system and computer-controlled climate systems.

Omnitrans reduced electricity consumption by nearly 400,000 kWh and saved more than \$50,000 in 2005. The company retrofitted its 75,000-sq.-ft. maintenance shop, replacing inefficient high-bay lights with highly efficient T5 fluorescent lights on digital timers. The new lights provide more illumination for half the cost. Omnitrans also replaced T12 fluorescent lights with T8s, installed motion sensors in office spaces and common areas, and de-lamped lights in overlit areas.

Hayward Pool Products' Pomona plant lowered energy demand approximately 60% during peak hours in the summer of 2005 while participating in a demand response program. The company educated its 350 employees about energy conservation and, in 2005, retrofitted its 300,000-sq.-ft. manufacturing facility with T8 lights with electronic ballasts, T5 high-output lights, light-emitting diode (LED) exit signs, and an efficient hydraulic injection molding machine. Hayward saves 313,000 kWh annually.

Lockheed Martin participated in demand response programs and cut 20,000 kW by reducing lighting and equipment use when supplies were tight. Lockheed Martin is also on track to save 10.9 million kWh and \$1.6 million in energy costs at six Southern California locations this year. The company trimmed energy use by modifying chillers, installing energy-efficient lights coupled with occupancy sensors, using energy management systems for HVAC and lights, and encouraging employees to conserve.

Farmdale Creamery participated in a demand response program and cut an estimated 268 kW when called upon — the equivalent of 32% of the company's total peak demand. When energy supplies are tight, Farmdale Creamery delays processing dairy products until off-peak hours. The San Bernardino processing plant also receives electricity bill discounts for participating in its utility's interruptible program.

The Home Depot cut 23% of its peak demand — 10,000 kW in total — by using energy management systems with automatic load-curtailment software. T5 fluorescent lights installed throughout Southern California stores save more than 5.5 million kWh annually. Home Depot also promotes energy efficiency to its customers by selling energy-efficient products and producing and distributing how-to installation videos.

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