

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.



GEICO Direct's new T8 lights trimmed annual electricity use by 15% and lighting costs by 35%. The lights will pay for themselves in 16 months. The retrofit at its 300,000-sq.-ft. Poway call center also reduced GEICO's peak power demand by 582 kW in 2005.

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.

Kyocera Group in San Diego cuts demand by 8,400 kW when electrical supplies are low. In one facility, an energy control management system powers down heating, ventilating, and air conditioning (HVAC); lighting; and other equipment. Another facility generates 90% of its peak demand onsite using photovoltaics and cogeneration. Since 2002, Kyocera has also saved 554,000 kWh by automating HVAC and lighting, installing variable frequency drives, and applying window tinting.

Olivenhain Municipal Water District (OMWD) cares about saving energy, not just water. OMWD sent its employees weekly energy-saving tips and distributed quarterly newsletters containing energy-related articles to customers. With four facilities participating in demand response and conservation programs, OMWD leads by example. To reduce demand, employees turn off non-essential lights, set thermostats to 76°F, and unplug appliances. Upgrades to OMWD's HVAC and lighting have also improved energy efficiency.

SeaWorld San Diego modifies operations during the summer to reduce peak electricity use. The park keeps its visitors, staff, and animals healthy and comfortable even when SeaWorld cuts demand as much as 17%, when asked by its utility. SeaWorld turns off non-essential lights and equipment, sets thermostats to 72°F, and waits until 6 p.m. to do laundry and recharge batteries for carts and forklifts. The park also regularly encourages its staff to conserve.

Marriott Mission Valley works with its utility to reduce peak demand by as much as 19 kW. The hotel shuts off non-essential equipment — like pumps for hot water, the pool, the spa, and fountains — and lighting in unoccupied areas. Marriott also retrofitted the chilled water system, adding variable frequency drives and demand-control ventilation. The retrofits saved Marriott more than \$78,500 annually and reduced electricity use by nearly 715,000 kWh.

Hilton San Diego Resort sheds 33% of its peak electrical demand, when alerted by the local utility, without disrupting the comfort of hotel guests. The resort adjusts air conditioning in common areas, shifts ice-making to off-peak hours, and turns off decorative lights and waterfall pumps. When San Diego's electricity demand is high, Hilton's efforts save 143 kW.

Solar Turbines in San Diego saved \$284,000 and reduced electricity usage 28% by replacing high-intensity discharge lights with high-efficiency T5 fluorescent lights. When energy supplies are tight, Solar Turbines also institutes energy-saving procedures to significantly reduce or eliminate electrical grid demand. Actions include turning off unnecessary lights and equipment, when feasible, to minimize energy requirements during daily operations.

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To learn more about the actions these and other leaders took, 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.

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