

# 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.



**Baxter Healthcare's Irvine facility decreased kWh per unit manufactured by 8% and decreased water usage per unit manufactured by 13% in 2004.** These savings occurred even though it increased the number of employees, operating hours, and equipment use. Savings resulted from cutting lighting schedules; optimizing the heating, ventilating, and air conditioning (HVAC) units; removing unnecessary lights; repairing leaks; installing energy-efficient T8 fluorescent warehouse lighting with motion sensors; and implementing an energy management system for the HVAC units and facility lighting.

**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.

**Trim Lok dropped its annual electricity usage roughly 25%.** More than half of these savings stems from upgrades to a compressed air system and installation of 1,025 T8 lights in the 225,000-sq.-ft. facility. The company also added variable speed drives and programmable thermostats, as well as adjusted work schedules to reduce electricity use during peak hours. Trim Lok will save 800,000 kWh annually.

**Costco Wholesale ties management bonuses to each store's energy costs.** Managers use energy management systems (EMS) to minimize costs and maximize profits. For example, managers use the EMS to adjust artificial lighting to the lowest levels needed based on the amount of natural light from skylights. Costco in City of Industry shaved 150 kW and \$50,000 annually after installing a thermal energy storage system, which produced ice during off-peak hours for daytime air conditioning.

**P&O Cold Logistics trimmed peak load by up to 1,000 kW** at its refrigeration warehouses by participating in demand response programs. Prior to peak hours, P&O Cold Logistics lowered the temperature in its refrigeration warehouse so that it could completely turn off the cooling system during peak hours without harming its product. With help from its utility, P&O has also installed energy-efficient lighting, insulated doors, refrigeration controls, and variable speed drives. These efficiency measures will save an estimated \$250,000 and 2.5 million kWh annually.

**Hewlett-Packard (HP) used enhanced automation at its facilities to cut 2,750 kW** when peak demand was high. Adjustments to HVAC and lighting loads did not disrupt processes or employees and helped ease strain on regional power grids. Employee education and software, such as sleep programs for computer monitors worldwide, saved as much as 7.8 million kWh in 2005. HP also produces more than 1,000 ENERGY STAR®-qualified products for both home and office use.

**Stater Bros. Markets has saved more than 9 million kWh** over the past two years. The company installed energy-efficient refrigeration cases and energy management systems in a majority of its 161 Southern California stores. Stater Bros. also made energy efficiency a priority for construction projects. Its new 2 million-sq.-ft distribution center and general office will be 37% more efficient than a standard facility.

**The City of San Clemente helped prevent electrical emergencies** by educating employees and residents alike on the importance of energy conservation. The city created educational materials for residents, produced an energy emergency guide for facility managers, and appointed municipal employees as "Energy Monitors" to help implement conservation procedures. When energy resources were tight, the city increased temperature settings on HVAC thermostats.

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To learn more about the actions these and other leaders took, visit [www.FYPower.org](http://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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