

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



As a state, we saved an estimated 4 billion kilowatt-hours (kWh) this year — enough to power more than 650,000 homes in your community. The following are just a few organizations that have played an important role in helping us all use less energy. They designed the tools and technologies that make our everyday appliances, equipment and operations more efficient, produce fewer emissions and allow for more reliable power. What's more, their innovations let the rest of us spend our money where it counts — toward resources for our schools, our families and our businesses — rather than on energy bills. We thank them for making it easier to make saving energy a way of life!

Eastern Municipal Water District (EMWD) will save more than 5.5 million kWh by installing 14 premium efficiency motors with variable frequency drives at a recycled water pump station and groundwater desalination facility. EMWD also installed a cogeneration system and continues to upgrade its digester gas production system. (Digester gas is a byproduct of the wastewater treatment process.) One such upgrade reduced electrical demand by 574 kW at a reclamation facility.

Washington Mutual (WaMu) saved more than 1.5 million kWh in 2004 by replacing lights in all 950 California properties with T8 fluorescent lights and compact fluorescent lights (CFLs). These changes reduced utility bills by an estimated 12%. WaMu has also upgraded chillers, pumps and heating, ventilating and air conditioning (HVAC) units to more efficient models at several properties. WaMu also offered 6,000 kW to demand response programs in 2004 and 2005.

The California Lighting Technology Center (CLTC) specializes in developing energy-efficient lighting technologies that are affordable for the average consumer. CLTC's new "California Kitchen Lighting System" offers homebuilders and homeowners an easy-to-install CFL-based system that is 75% more efficient than comparable incandescent lighting. The CLTC system effectively overcomes two limitations of recessed CFL lights — higher installation costs and heat buildup — by using fewer ballasts and incorporating adequate thermal protection.

Snow Valley Mountain Resort installed new snow-making equipment and reduced electricity use 70%. Energy is one of the resort's biggest operating costs. In 2000, Snow Valley replaced its 9,500-kW snowmaking system with an innovative, energy-efficient 3,500-kW system. Since then, the machine has saved 7.2 million kWh.

PetSmart cut total electricity use 15% by retrofitting lighting at 35 of its Southern California stores. By switching from high-bay metal halide lights to efficient T8 fluorescent lights, the company saved more than 3.5 million kWh annually. The change also slashed PetSmart's annual electricity bill by more than \$290,000. In addition to lighting upgrades, PetSmart has added energy management systems to its stores nationwide.

Westfield Corporation retrofitted lighting at six Inland Empire malls and has saved more than 4.6 million kWh since 2004. Westfield installed light-emitting diode (LED) exit signs, high-intensity discharge lights and CFLs. The Westfield Shoppingtown in Palm Desert saved more than 1.2 million kWh alone. Westfield also is working with its utility and the State to test a pre-cooling system, which may further reduce energy demand at the company's malls.

Davis Energy Group (DEG) developed two air-conditioning technologies designed to save energy and trim utility bills. "NightBreeze" combines conventional heating and cooling equipment with advanced predictive controls to automatically ventilate homes at night. Testing showed that cooling costs dropped as much as 65% and that compressor-based cooling was eliminated in some climates. "OASys" uses a novel heat exchanger to cool air with far less humidity than conventional evaporative coolers — saving 90% of total energy use and 80% of peak demand.

Hyatt Hotels Corporation has saved more than 9.4 million kWh, since 2004, by improving the efficiency of seven of its southern California hotels. Savings stem from use of T8 lights and CFLs, energy-efficient HVAC systems and programmable thermostats. Hyatt partnered with its utility and the California Water Department to test connectionless steamers, which deliver energy and water savings, in its kitchens.