

# 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!

**Prime Wheel Corporation reduced total energy use 15%, saving an estimated 7 million kWh** in 2005, by optimizing and upgrading components of its compressed-air system. In addition to making other changes, the company installed efficient two-stage compressors and a central control system, which reduced electricity use by the compressed air system 37%. Prime Wheel also added variable speed drives to its heating, ventilating and air conditioning (HVAC) system and energy-efficient lights with sensors at its 200,000-sq.-ft. facility.

**Ventura County saved 904,000 kWh, reduced demand by 150 kW and lowered annual utility costs by \$96,000** by installing premium efficient motors, variable frequency drives and T8 fluorescent lights in select buildings. Improvements include the installations of high efficiency fan motors at the County Government Center and a variable speed drive to an electric chiller at Todd Road Jail. Respectively, the installations are saving 38,600 kWh and 270,000 kWh annually.

**Harward Building Systems' flagship manufacturing facility in Santa Maria exceeds California's tough energy standards by more than 40%.** A host of energy-efficient technologies and design features — including a high efficiency HVAC system, natural light and on-demand water heaters — contribute to the savings. A 14,000-sq.-ft. photovoltaic system satisfies more than 50% of the facility's power needs.

**Hilton Hotels has saved more than 10.3 million kWh** since 2004 by improving the efficiency of many Southern California DoubleTree, Embassy Suites and Hilton hotels. Savings stem from installation of T8 fluorescent and compact fluorescent lights (CFLs), energy-efficient chillers and other efficient HVAC system equipment, light-emitting diode (LED) exit signs, walk-in refrigeration gaskets and programmable thermostats. Hilton also partnered with its utility to test bathroom occupancy sensors with LED night lights. In testing situations, electricity usage for bathroom lighting was reduced 40%.

**Limoneira Company trimmed 33% from its peak-energy demand.**

The agricultural producer, packer and shipper adjusted summer operating schedules — moving its early shift to 5 a.m. and the washing and storing processes to off-peak hours — so that far less electricity was used during peak hours. Limoneira also installed energy-efficient refrigeration doors, HVAC equipment and T8 fluorescent lights with motion sensors, which increased light levels by 50%, yet cut costs by 50%.

**The City of Santa Barbara's El Estero Wastewater Treatment Plant cut its energy use in half** by installing variable speed drives on pumps and a high-efficiency blower. It also utilized energy-efficient treatment processes. The plant's fuel cell, which is powered by methane gas (produced by the plant's anaerobic digesters), provided about half the plant's power and reduced peak demand. The fuel cell serves as a pilot project for other wastewater agencies.

**Paramount Citrus saved \$200,000 and cut electricity usage 14%,** compared to 2004, by upgrading lights and refrigeration. Throughout its 200,000-sq.-ft. citrus packing plant, the company installed high-bay T5 fluorescent lights with electronic ballasts and photocells, and added new refrigeration systems. The upgrades will help Paramount save more than 2 million kWh per year.

**Campanelli Construction's own office demonstrates that green buildings cost less and take less time to build.** Stick framing was replaced with structural-insulated panels, which increase insulation, and lower costs and construction time. Other features include natural light and ventilation, water-efficient landscaping and a 5.8-kW photovoltaic system, which supplies all power for the office. Campanelli finished 30 days ahead of schedule and did so at a savings of \$10/sq. ft. To encourage others, Campanelli helped launch the nonprofit Built Green Santa Barbara.

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