

# 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!

**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 compact fluorescent light (CFL)-based system that is 75% more efficient than incandescent lighting. The CLTC system effectively overcomes two limitations of recessed CFLs — higher installation costs and heat buildup — by using fewer ballasts and incorporating adequate thermal protection.

**Marriott Hotels saved more than 10.4 million kWh since 2004 by improving efficiency** at many Southern California Courtyard, Residence Inn, Renaissance and Marriott hotels. Savings stem from use of T8 lights and CFLs; energy-efficient chillers and other efficient heating, ventilating and air conditioning (HVAC) equipment; LED exit signs; walk-in refrigeration gaskets and programmable thermostats; and from retro-commissioning existing building systems. Marriott Newport Beach Hotel & Spa partnered with its utility to test bathroom occupancy sensors with LED nightlights, which reduced bathroom lighting electricity 40%.

**Western Insulfoam's energy efficiency efforts in 2005 saved more than 264,000 therms** at its Chino plant. The company installed a new boiler and a regenerative thermal oxidizer (RTO), which is used to safely and efficiently incinerate chemical waste. The RTO uses an advanced preheating system and saves the company more than \$207,000 annually.

**Boeing conducts routine energy audits at all sites to identify and implement energy-saving opportunities.** In 2005, Boeing renovated lighting at its Huntington Beach campus, replacing more than 3,300 fixtures and saving 990,500 kWh and \$109,000. At its El Segundo campus, Boeing installed energy-efficient lighting and saved more than 2.6 million kWh.

**University of California, Irvine (UCI) saved 930,000 kWh** in 2005 by installing CFLs and light-emitting diode (LED) lights in elevators, and T8 fluorescent lights, occupancy sensors and programmable thermostats in campus buildings. UCI also initiated building commissioning and energy conservation programs. The UC system directs individual campuses to invest in energy efficiency and renewable fuels, and all new UC buildings are designed to meet standards equivalent to Leadership in Energy and Environmental Design (LEED) certified rating.

**Dust Networks provides reliable, low-power wireless mesh networking systems** for enterprise-class monitoring and control applications. Using SmartMesh-XR-based monitoring solutions, a typical building can reduce energy and operational costs as much as 20%. With SmartMesh-XR wireless networking systems, installation and commissioning time of energy management systems can be reduced from weeks to just hours compared to hard-wired systems, making energy management systems more economical.

**Leach International has reduced electricity consumption by 12%** since 2004. The Buena Park company installed a new compressor and a 45,000-sq.-ft. cool roof, saving more than 496,000 kWh. The new compressor alone reduced the company's peak demand by 43 kW. This past summer, Leach completed a lighting retrofit that will save an estimated 104,000 kWh annually.

**Capistrano Unified School District (CUSD) saves more than 320,000 kWh annually** by using software that automatically powers down computer monitors, decreasing operating hours 30%. Total savings amounted to more than \$4,000 a month. Financial savings also included reduced cooling costs because fewer monitor operating hours meant less heat was generated. CUSD plans to install the software on more than 10,700 computers by the end of the 2005-06 school year.

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