



THEY DESERVE THEIR NAMES UP IN LIGHTS.
(ENERGY-EFFICIENT COMPACT FLUORESCENT LIGHTS.)



Over the past year, the following organizations have educated their employees and the public about the cost-saving and environmental benefits of using energy wisely. They have helped California become a national leader in the sale of energy-efficient appliances, lighting and equipment. They have designed energy-efficient homes, products and services. They have taken the message to the classroom and to the boardroom, and have shared lessons learned with colleagues. And, they have walked the talk by investing in energy efficiency in their own facilities. Thanks to their leadership, all of California is reminded how saving energy can be a way of life.

Beckman Coulter is on track to save roughly \$150,000 and more than 1 million kWh annually. A manufacturer of biomedical testing equipment, Beckman Coulter retrofitted the chilled water system at its Fullerton corporate office — replacing old, inefficient chillers and adding variable speed drives to air-supply and cooling tower fans. The work significantly improved heating, ventilating and air conditioning (HVAC) performance. Replacing T12 fluorescent lights with T8s improved lighting levels and contributed to the company's savings.

Allergan, Inc. in Irvine saved energy by tapping into the potential of its 1,500 employees. To encourage its staff to cut energy use, the pharmaceutical company tied evaluations, raises and bonuses to conservation objectives. Allergan also highlighted energy issues during National Energy Awareness Month and used newsletters and other materials to share energy-saving tips. Allergan's energy efficiency investments at Irvine reduced energy use 9% in 2004.

C & D Aerospace expects to save 3.9 million kWh and \$318,000 annually thanks to energy efficiency upgrades in partnership with its utility. The company replaced metal halide lights with high-bay T5 fluorescent lights, T12 fluorescent lights with energy-efficient T8 lights, and incandescent lights with compact fluorescent lights (CFLs) at its headquarters and at four of its aircraft-interior manufacturing facilities in Southern California. The lighting and other upgrades trimmed electricity consumption by an impressive 35%.

California State University (CSU) cut electricity and natural gas consumption by nearly 11.3 million kWh and 279,000 therms, respectively, across its 23 campuses in 2004-2005. CSU made these cuts by working in partnership with local utilities. By 2010, CSU aims to reduce energy consumption 15%. And, starting in 2006, all new capital projects will be designed to outperform California's tough energy standards by at least 15%.

Campanelli Construction's 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. 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.

Anaheim City School District (ACSD) brings energy efficiency straight to the classroom. Students in grades 1-6 learn through several educational and entertaining programs, such as "Watt's in Your Future" and "Zap You're It." Onsite energy projects, like two solar-powered lunch shelters, help raise student awareness. Over the last decade, ACSD reduced energy use 22%. In just the past two years, ACSD saved 298,000 kWh — enough to power 50 homes.

Royalty Carpet Mills saved more than 1,300,000 kWh and trimmed \$142,452 from its electric bill. At its 160,000-sq-ft. and 360,000-sq-ft. facilities in Irvine and Santa Ana, respectively, Royalty Carpet converted 2,800 T12 fluorescent lights and 95 metal halide lights with energy-efficient T8 lights and motion sensors. The company also replaced four piston compressors with two variable speed drive compressors at its Irvine facility; the change reduced electrical demand for air compression 40%.

Starwood Hotels and Resorts has upgraded several of its Southern California hotels. In 2004, Four Points Sheraton in Monrovia installed compact fluorescent lights and saved almost 600,000 kWh. In 2005, the Sheraton in Cerritos installed variable speed drives and controls on its HVAC system, saving more than 820,000 kWh. In 2005, Westin Mission Hills upgraded its HVAC system for an estimated savings of 1,300,000 kWh.

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