



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.

California State Teachers' Retirement System (CalSTRS) asked its property managers to reduce energy use by 20% over five years beginning in 2005. As of August, CalSTRS has \$4.3 billion invested in 57.5 million sq. ft. of rental property. After conducting energy audits and benchmarking its facilities, CalSTRS instructed managers of underperforming buildings to implement energy saving measures. The initiative will save 512,000 kW annually — enough to power 1.6 million homes.

Sunset magazine partners with architects and builders to design innovative, energy-efficient homes and housing technologies. Two Sunset homes, the "GlideHouse" and the "BreezeHouse," have been widely showcased. Technologies have ranged from natural ventilation and daylighting to high-tech solar energy systems, window glazes and home-management controls. At Sunset's headquarters, efficient lights cut energy use by 10%, trimmed \$52,000 from annual utility bills and reduced maintenance costs by more than \$6,600.

The Fairmont Hotel San Jose reduced energy use by 2.1 million kWh last year, saving \$276,000. The hotel replaced 5,900 incandescent lights with compact fluorescent and other energy-efficient lights and installed programmable thermostats in 600 guestrooms. The property also turned domestic hot water temperatures down 17°C or lower. The Fairmont San Jose Green Team of volunteer employees continuously identifies improvements. The team implemented a Clean Air Initiative promoting hybrid technology as part of the chain's Eco-Innovations program.

Saint Mary's College of California will cut annual energy use by 9% (1 million kWh), peak demand by 500 kW and water use by 4.3 million gallons in 2005. Beginning in 2004, the school undertook several facility-wide energy and water efficiency upgrades, including installation of high-efficiency lighting, controls for vending machines, water-saving toilets, sewage-flow meters, boiler controllers and window film to prevent cooling loss. The energy cost savings — \$250,000 annually — financed the improvements.

Oracle reduced electricity use 12.4%, cutting 7.8 million kWh at its corporate headquarters in 2004, despite expansion of computer labs, data centers and work stations. In case of power emergencies, Oracle also stands ready to curtail as much as 18% of peak demand in its 1.8 million sq. ft. of office space. Among other efficiency innovations, Oracle developed the Global Thermostat Reset, which is being considered as a requirement for California's tough energy efficiency standards.

San Francisco Wholesale Produce Market helped its small business members save more than \$50,000 annually. Working in partnership with San Francisco Community Power, the Market demonstrated and promoted energy-saving tools and technologies, including evaporator fan controllers; lighting retrofits; and refrigerator door gasket repairs, seals and closures. Under the Market's leadership, more than 30 small businesses reduced energy use by 333,000 kWh annually — enough to power more than 55 homes.

Chartwell School's new campus will meet the highest Leadership in Energy and Environmental Design (LEED) standards. The school, slated to open in August 2006, will draw net-zero energy from the grid by using natural light and ventilation, and a 30-KW photovoltaic system. Water-conserving fixtures and appliances are expected to reduce water consumption 73%. Campus construction utilizes recycled materials and cement, which is specially formulated to reduce greenhouse gas emissions.

The University of California Santa Cruz (UCSC) has the lowest energy cost per square foot of any campus in the UC system, largely because it cools lab spaces only and has an aggressive preventative maintenance program. In 2005, UCSC saved 1.75 million kWh and 6,000 therms by retrofitting heating, ventilating and air conditioning (HVAC) equipment and installing T8, compact fluorescent and high intensity discharge lights. The UC system recently set a policy prioritizing energy efficiency and renewable fuels, and mandated that all new construction meet LEED standards.

To learn more about these and other leaders, visit 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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