



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



As a state, we saved more than 4 billion kilowatt-hours (kWh) this year — enough to power more than 660,000 homes in your community. Below are just a few examples of innovative and successful energy efficiency measures taken by Californian businesses, governments, and schools. These stories prove that investments in energy efficiency not only save energy, but also lower operating costs, increase property value of homes and businesses, and help create local jobs — all the while helping the environment.

Adobe Systems in San Jose saves \$748,000 annually through its energy efficiency improvements. Cushman & Wakefield (C&W) receives 20% of property management fees based on key performance indicators — including a requirement that Adobe's headquarters earn the ENERGY STAR® label each year. C&W improved lighting; plug loads; and heating, ventilating, and air conditioning (HVAC) equipment; and installed water-saving devices that conserve 295,000 gallons monthly.

The City of San Mateo's library will use 20% less energy than other libraries. The city's green building policy mandates that all new city buildings be energy and water efficient. The library, set to open in summer 2006, consumes less energy than comparable buildings by using natural light, motion sensors, energy-efficient ventilation fans, low-flow plumbing fixtures, and recycled rainwater for irrigation. The new police station and high school are also energy efficient.

Cypress Semiconductor annually saves 7.6 million kWh, 436,000 therms of natural gas, and more than \$1.2 million in utility costs. Improvements to HVAC operations alone reduced electricity and natural gas use in one building by 55% and 85%, respectively. Based on those results, Cypress upgraded HVAC and energy management systems across its entire 350,000-sq.-ft. San Jose campus, including energy-intensive data centers and clean rooms.

Foothill-De Anza Community College District reduced electricity usage 20% and natural gas usage 40%, saving \$800,000 annually. The district replaced lighting, HVAC equipment, and installed energy management systems at its Los Altos Hills and Cupertino campuses, cutting 3.6 million kWh annually. The district also invested in 780 kW of photovoltaics and cogeneration, enough to power the equivalent of 585 homes.

Swinerton Inc.'s renovated headquarters saves more than \$150,000 annually and beats California's stringent energy standards for buildings by 12%. Renovations, which earned Swinerton a Gold Leadership in Energy and Environmental Design (LEED) rating, included cool roof installation, daylighting, and automation of the HVAC and lighting controls using an Internet-based computer system. The building's electricity use has dropped 50%.

Santa Clara Valley Water District (SCVWD) helped residents reduce electricity use by 196 million kWh and eliminate 89 million kilograms of greenhouse gas emissions. SCVWD's recycling and conservation programs lower demand for water — thus reducing electricity needed to pump, distribute, and heat water. Programs include free home water surveys and incentives for purchase of efficient clothes washers and toilets. SCVWD serves nearly 2 million people.

Shorenstein Company's commercial properties cut 4.6 million kWh and saved \$500,000 in energy costs. Operational changes in four buildings alone saved 175 kWh per building. Other energy efficiency improvements included efficient lighting, motors, and energy management controls. Four of the company's San Francisco buildings have made a commitment to reduce usage by a total of 350 kW when energy is in high demand.

NASA Ames Research Center has saved 11.7 million kWh (5 kWh per sq. ft.) annually since 2000. To date, NASA Ames has retrofitted more than 50 buildings with T8 fluorescent lights, installed HVAC and lighting system controls in 10 buildings, and installed a 10-kW photovoltaic system. By 2010, the center seeks to reduce energy use and carbon dioxide emissions 30% (in comparison to 1990 levels).

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