

# 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!

**Allergan, Inc. in Irvine saves energy by tapping into the potential of its 1,500 employees.** To encourage employees to cut usage, the pharmaceutical company ties evaluations, raises and bonuses to conservation objectives. Allergan also highlights energy issues during National Energy Awareness Month and uses newsletters and other materials to share energy-saving tips. The payoff has been substantial: Allergan's energy use fell by 9% in 2004 alone.

**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.

**Bakersfield City School District (BCSD) freed up more than \$300,000 in its annual budget** by installing 20 variable speed drives on pumps and motors, 100 energy-efficient air conditioners and 140 vending machine controls. To further reduce heating and cooling costs, BCSD installed controls on its HVAC equipment and set cooling limits at 76 degrees and heating limits at 70 degrees. BCSD also installed compact fluorescent outdoor lights at 12 schools and efficient T8 lights in more than 300 classrooms.

**Sweaney Construction, Inc. emphasizes energy efficiency in its custom-built homes.** The Bakersfield-based company installs energy-efficient cooling systems and insulates exterior walls and ceilings with more efficient insulation than required by California's tough energy standards. Sweaney also ensures that all ducts are properly and tightly sealed — duct leaks can account for 30% of a home's energy costs.

**Grimmway Farms reduced annual energy consumption 15% and trimmed peak demand by 500 kW** by targeting, with the help of its utility, the main energy consumer at its four Bakersfield facilities: refrigeration. Grimmway installed new refrigeration systems, complete with insulation, high-efficiency motors and advanced temperature controls. Employees were informed of the energy-saving benefits, including savings of more than \$300,000 and 3.4 million kWh annually.

**Children's Hospital of Central California's facility upgrades saved 3 million kWh.** Payback is expected in 18 months. A facility-wide energy audit in 2002 led to several lighting and heating, ventilating and air conditioning (HVAC) upgrades, including installation of 14 new air-handling systems with variable frequency drives. Improvements made in 2004 alone will save the hospital \$270,000.

**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 hours, compared to hard-wired systems, making energy management systems more economical.

**Porterville Citrus saved \$50,000 in utility costs** by upgrading its 145,000-sq.-ft. cold storage facility in Terra Bella. Sequencers were added to the refrigeration system, reducing peak demand by 100 kW and electricity use by 215,000 kWh. More retrofits are under way — including installation of a variable speed drive air compressor system and a cool roof. When completed, the upgrades will eliminate an additional 20 kW of energy demand and reduce equipment run times.

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