



Energy and Water Efficiency

ENERGY EFFICIENCY

Alameda County's comprehensive energy conservation program has reduced the County's energy usage by one-third and saves taxpayers \$6 million annually.

Countywide Lighting Retrofit

Alameda County completed a \$1.7 million countywide lighting retrofit of 26,000 fixtures in over 3 million square feet at 52 owned & leased buildings. The new lighting:

- Gives off a wider spectrum of light, closer to daylight
- Uses 30% less electricity with lamps lasting 6,000 hours longer than older lighting
- Reduced mercury at County facilities by about 350,000 milligrams

Annual Savings (projected):

Electricity: 2,921,000 kilowatt-hours

Taxpayer Dollars: \$350,000

Efficiency at 24/7 Facility

Alameda County's energy efficiency program at Santa Rita Jail includes water conservation, lighting retrofits, a boiler plant renovation, a hot water and energy reclamation system for the jail's laundry, a new cooling tower water treatment system, and a heating and hot water system retrofit.

Annual Savings (projected):

Electricity: 928,000 kilowatt-hours

Natural Gas: 293,000 therms

Taxpayer Dollars: \$790,000

WATER EFFICIENCY

Drought conditions are an ongoing concern in California's relatively arid climate. In 2008, the Governor declared a state of emergency due to drought. Alameda County is doing its part to conserve water in ongoing operations as well as conducting outreach to employees on how they can save water.

Landscaping

- Installed water-wise landscaping at U.S. Green Building Council LEED® Gold rated Juvenile Justice Center
- Installed water-wise "Bay-Friendly" landscaping at the new Castro Valley Library and the County Administration Building's urban site

Efficiency at 24/7 Facility

Alameda County's comprehensive \$2.6 million water efficiency project at Santa Rita Jail includes low flow toilets, urinals, showers, and faucets, water smart irrigation, and new flush valve controllers to prevent toilets in detention areas from being flushed continuously.

Annual Savings (projected):

Water: 77 million gallons

Taxpayer Dollars: \$405,000



Alameda County's lighting retrofit is expected to save \$350,000 per year.



Energy and water efficiency are a priority at the 24/7 Santa Rita Jail.



Water-wise landscaping with drought-tolerant plants conserves water.

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