

How do you save your City's facilities up to 90% of their electricity costs? With...



This project was implemented under CA Government Code Section 4217, which allows local governments & municipalities the ability to develop energy conservation projects with experts and professionals like Xnergy.



Thermal Energy Storage tanks



Encinitas Civic Center Project Scope:

- 96kW Solar PV on roof. This will provide "free" power during the most expensive time of the day.
- Add a "Cool Roof" over the existing.
- New 120-ton water-cooled central plant along with new 4-pipe air handlers.
- New TES (Ice Storage). Makes and stores the chill water at night when the electrical rates are half of what they are during the day.
- Natural lighting including Solatubes and skylights.
- Lighting Controls.

Featured Project: City of Encinitas Civic Center 505 S. Vulcan Ave, Encinitas, CA

The City Council voted unanimously for Xnergy's alternative energy proposal to Retro-fit the Civic Center to meet **LEED Silver Certification**.

A key to the project was the utility rebates + California Energy Commission Low Interest Loan (3.65% @ 15 years). This plus deferred capital expenditures equals positive cash flow (paid by energy savings).

In other words, we were able to help the City implement everything they wanted and pay for it with the energy savings. This facility has approximately \$98,000 per year in utility bills. Our project will save them approximately \$80,000 per year (not even including escalation rates).

"We'll be contributing to the grid and helping the whole region balance its energy needs," said Councilwoman Teresa Barth.

Xnergy provides innovative Engineering and Construction for all facilities interested in energy conservation.

Xnergy has LEED Accredited professionals and is a member of the US Green Build Council, Energy Star, Energy Conservation Council, Member of Biocom, and NEBB Certified.



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