

reduce energy use
save money
create jobs

The logo for the Energy Technology Assistance Program. It features the word "energy" in a light green, lowercase sans-serif font. To its right is a graphic of a sunburst or starburst composed of small dots in shades of green and blue. Below "energy" and the graphic is the word "technology" in a large, bold, dark blue, lowercase sans-serif font. Underneath "technology" is the phrase "ASSISTANCE PROGRAM" in a smaller, light green, uppercase sans-serif font.

energy.
technology
ASSISTANCE PROGRAM

Energy-efficiency rebates and
free technical assistance for
local government facilities.

Training and jobs for
California's growing
green workforce.



The logo for the Energy Technology Assistance Program (ETAP) features the word "energy" in a light green, lowercase font, followed by a cluster of small dots in a grid pattern. Below this, the word "technology" is written in a larger, bold, dark blue font. Underneath "technology", the words "ASSISTANCE PROGRAM" are written in a smaller, light green, all-caps font.

energy technology ASSISTANCE PROGRAM

The Energy Technology Assistance Program (ETAP) is a statewide program designed to accelerate the use of advanced energy efficient technologies in local government facilities. ETAP provides free technical and financial assistance to cities, counties, special districts, colleges, and universities throughout California. ETAP focuses on advanced, market-ready technologies that have demonstrated significant energy savings in public facilities:

- **Parking lot and parking garage bi-level lighting**
- **Wireless lighting controls**
- **Wireless HVAC controls**

ETAP also helps build California's green workforce through the following activities:

- **Technical training for electricians and HVAC technicians** on installing wireless lighting and wireless HVAC controls
- **Technology seminars for local government staff** discussing program details, project financing, and best practices for operation and maintenance of ETAP technologies
- **Internships and on-the job training** to help prepare students and recent graduates for careers in energy efficiency

ETAP helps California's public agencies implement smart, sustainable business practices.

- Energy-efficient technology
- Improved facilities
- Lower operating costs
- Green workforce development



Technical Services

ETAP staff works closely with participating agencies during each step of project implementation. Technical support may include facility screening, project identification and scoping, audits, technology performance modeling, and technical and economic feasibility analyses. ETAP staff can also assist agency staff with preparing documents required for Council or Board approvals, developing bid specifications, and reviewing contractor proposals. ETAP will conduct post-installation project inspections for quality control and energy savings verification.

Financing and Funding

ETAP incentives, in combination with other applicable utility incentives, often bring project payback periods down to five years or less. ETAP will assist program participants in identifying additional funding sources, which may include utility incentives, CEC low interest loans, ESCO Financing, and Qualified Energy Conservation Bonds.

Eligibility

ETAP services will be offered through March 2012, subject to availability. Cities, counties, special districts, colleges, and universities throughout California are eligible to request participation in ETAP.

Eligible Technologies

Bi-Level Lighting for Parking Lots and Parking Garages

Efficient light fixtures with bi-level sensors and controls reduce the fixture's power use during times of low or no occupancy. Eligible sites include parking lots and parking garages (and associated stairwells).



Incentive Levels

LED \$200/fixture

T8/T5/Induction \$100/fixture

Lamp & ballast retrofit (garage only) \$40/fixture

Wireless Lighting Controls

Wireless lighting controls allow two-way communication between individual fixtures and/or banks of lights, sensors, and a central processor, enabling scheduling, occupancy-based controls, daylight harvesting and/or individual control preferences.



Incentive Levels

\$0.18/kWh based on estimated project energy savings

Wireless HVAC Controls

Federspiel Controls' DART™ technology approximates VAV operation in CAV systems at a much lower cost than a traditional VAV retrofit by utilizing a network of wireless sensors monitoring zone temperatures throughout a building.

Cypress Envirosystems' Wireless Pneumatic Thermostat (WPT) technology replaces standard pneumatic thermostats and provides most of the energy benefits of a traditional DDC retrofit at a fraction of the cost.



Incentive Levels

\$0.18/kWh based on estimated project energy savings

Additional information about ETAP technologies, including sample project costs, savings, incentives and links to case studies, is available at www.energy-solution.com/etap.

energy technology ASSISTANCE PROGRAM

To find out how your agency can benefit,
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E N E R G Y  S O L U T I O N S

