



SOUTHERN CALIFORNIA  
**EDISON**<sup>®</sup>

6040 N. Irwindale Ave., Bldg. A  
Irwindale, CA 91702

An EDISON INTERNATIONAL<sup>®</sup> Company



Contact your account representative for additional information and assistance.

#### QUICK LINKS TO FIND ENERGY INFO

##### **SCE Home Page**

– [www.sce.com](http://www.sce.com)

##### **Energy-Related Learning**

– [www.sce.com/ctac](http://www.sce.com/ctac)  
– [www.sce.com/agtac](http://www.sce.com/agtac)

##### **Statewide Transmission System Status**

– [www.caiso.com](http://www.caiso.com)

##### **Utility Regulation**

– [www.cpuc.ca.gov](http://www.cpuc.ca.gov)  
– [www.energy.ca.gov](http://www.energy.ca.gov)

### IN THIS ISSUE ...

- » Manage Summer Month Bills Through Critical Peak Pricing
- » Tips to Reduce On-Peak Energy Use
- » Hanford Designs Energy Savings Into New School

#### GOVERNMENT & INSTITUTIONS

SOUTHERN CALIFORNIA EDISON

# POWER BULLETIN

VOL. 10 No.5 May 2010

## Manage Summer Month Bills Through Critical Peak Pricing

Southern California Edison's (SCE) summer season rate schedules take effect June 1, 2010, and that means you may find opportunities to further manage your bill with Critical Peak Pricing (CPP), the default rate for bundled service customers with demands greater than 200 kilowatts (kW).

CPP rewards customers for reducing or shifting electricity usage during nine to 15 summer critical peak events—when the demand and price for electricity climb. If you plan now to reduce energy load during these periods or shift usage to lower-demand times, you may save money on your electric bills.

### CPP Participation Benefits

With CPP, you receive two significant benefits:

- Reduced monthly on-peak demand charges throughout the summer season (June 1 to Oct. 1 for 2010).
- Bill protection for the first 12 consecutive months on a CPP rate. This ensures the total amount you pay on CPP during your first year will not be more than the amount you would have paid on your base rate. If you pay less on CPP for your first year than the amount you would have otherwise paid, the savings are yours to keep.

In the summer months, SCE will contact you the day before a CPP event (based on the day-ahead energy market price, demand forecasts, temperature or other system factors) to ask you to reduce energy usage. You will be responsible for providing your contact information to SCE in order to receive event notices. During each CPP four-hour event, your energy charges will increase significantly. By reducing electricity use during these events, you can avoid these higher prices and may improve your bottom line, while also helping lessen greenhouse gas emissions.

### Demand Response Technology Incentives

To help identify opportunities to participate in demand response programs like CPP, SCE offers free site assessments and engineering evaluations through the Technical Assistance and Technology Incentives Program (TA&TI).

TA&TI also provides incentives up to \$300 per kW of verified load reduction to offset the purchase and installation costs of equipment and control systems that automatically reduce energy consumption during demand response events. Automated Demand Response, or Auto-DR, greatly simplifies participation in CPP, with flexibility and ease-of-use that allow you to pre-select your level of participation and automatically take part in demand response.

CONTINUED ON BACK

CONTINUED FROM FRONT

## Integration of Energy Efficiency

You also may have the opportunity to combine your Auto-DR technology incentive with energy efficiency incentives to cover more of your project cost for Auto-DR enabling equipment. Keep in mind that energy efficiency and demand reduction can work hand-in-hand to help you further reduce your energy costs and make it even easier to participate in CPP.

By investing in or making enhancements to an energy management system, installing lighting with dimmable ballasts or putting variable frequency drives on motors, you may increase your capability to take part in CPP or another demand response program.

For more information on CPP and Auto-DR, as well as strategies for on-peak load reduction and other demand response program options, contact your account representative. Also visit [www.sce.com/drp](http://www.sce.com/drp) for additional details.

### Tips to Reduce On-Peak Energy Use

As summer arrives, keep in mind these tips to reduce electric load during on-peak periods to improve your bottom line and help ensure adequate electricity supplies for your community:

- Turn off decorative and nonessential lighting and fountains.
- Raise cooling thermostat settings.
- Reduce use of multiple elevators and escalators.
- Delay dishwashing and laundry processes.

Contact your account representative to help develop your event curtailment plan or to discuss additional peak load reduction strategies to save energy, money and the environment.

## GOVERNMENT & INSTITUTIONS SEGMENT FOCUS

### Hanford Designs Energy Savings Into New School

A new high school in California's San Joaquin Valley expects to save an estimated 15% annually in energy costs thanks to use of the statewide Savings By Design (SBD) Program and SCE's support.

Sierra Pacific High School, part of the Hanford Joint Union High School District, opened last fall after using SBD to receive design assistance and incentives for high-performance building design and construction. As a result, Sierra Pacific exceeds California's Title 24 minimum energy efficiency building standards by nearly 20%.

### SBD Incentive of \$127,000-Plus

The school's calculated savings from SBD total nearly 374,000 kilowatt-hours per year and 520 kilowatts of load reduction. Sierra Pacific received an SBD incentive of more than \$127,000 for its highly efficient 115,000 square-foot facility, with an expected payback for the added investment of less than 11 years. Measures incorporated into the school include:

- A school-wide energy management system to monitor and control overall energy use
- A central water-cooled chiller plant and condensing hot water boiler for heating
- High-efficiency lighting systems in most areas
- Occupancy sensors for classrooms, and a lighting control system to program interior and exterior lighting
- Skylights and clear story windows to allow in more natural light
- Wall insulation of R19 and roof insulation of R30
- Use of variable frequency drives on air handlers and pumps

"We're on a fixed income," said district Facilities Manager Bruce Pickering, noting state budget challenges. "We have high operating costs and one of the ways we can try to reduce those is through energy management and conservation. This was a perfect opportunity to do it upfront and not look afterward to wish we'd done it differently."



*Calculated savings through the Savings By Design (SBD) Program total nearly 374,000 kilowatt-hours annually for the new Sierra Pacific High School, located in the San Joaquin Valley. The school expects to save an estimated 15% annually in energy costs as a result of using the program with assistance from SCE.*

### A Simple Application Process

Pickering also credited SCE account executive Michael Grosser with making the process run very smoothly.

"Mike raised this issue when we talked about building the new school. He did the paperwork to get it started, which made it really easy from that side. The application process for this is really simple."

The Hanford district previously received incentives from SCE for completing lighting retrofits and pool pump variable frequency drives at its other schools, and is now considering joining SCE demand response programs. As Pickering added, "Everything I do energy-wise, I always run it by SCE and try to get rebates or incentives. Mike's very helpful and proactive and brings up things I might be interested in."

For more information on how you also can benefit from SCE's wide array of energy management programs and services, contact your account representative or visit [www.sce.com/solutions](http://www.sce.com/solutions).

### Sierra Pacific High School: Estimated Savings by Managing Energy

**Location:** Hanford, Calif.

**SCE Program Utilized:** Savings By Design

**Incentive Received:** More than \$127,000

**Calculated Savings:** Nearly 374,000 kilowatt-hours per year and 520 kilowatts of load reduction