



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 ...**

- » SCE Addresses Rate Changes and Offers Tips to Lower Summer Costs
- » How to Prepare for a Power Outage and What to Do When Experiencing One
- » Mark Your Calendars for West Coast Energy Management Congress in June
- » SCE Pump Testing Brings Reliability and Energy Efficiency to Oil Producers

**INDUSTRIAL SEGMENT**

SOUTHERN CALIFORNIA EDISON

**POWER BULLETIN**

VOL. 9 No. 5 May 2009

# SCE Addresses Rate Changes and Offers Tips To Lower Summer Costs

At the recent Southern California Edison (SCE) Electricity Outlook sessions, business customers learned that SCE rates rose less than initially expected in April 2009, with a system-wide average increase of 0.4 ¢ per kilowatt-hour (kWh), or 2.5%.

The smaller increase mainly resulted from adjustments related to lower natural gas costs – which affect a large percentage of the power SCE provides and all of the power allocated to SCE from the State of California – from regulatory changes and from one-time refunds related to renewable power and other programs.

SCE does anticipate an additional rate increase, along with rate schedule structural changes, later this year. But there are many steps you can take now to help offset recent and pending changes, particularly given the start of SCE’s standard summer season on June 1 (July 1 for TOU-PA-SOP customers).

Businesses on a rate schedule containing seasonal charges will soon begin paying higher on-peak charges that reflect SCE’s costs to meet greater summer electricity demand. Here are a few ways 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.

In addition, keep in mind that you can tap into SCE’s wide array of energy efficiency and demand response programs to save even more energy and money. For example:

CONTINUED ON BACK

CONTINUED FROM FRONT

1. Sign up today for the Critical Peak Pricing (CPP) Program for this summer, and earn rate discounts for shifting or reducing electricity use during critical peak events. As an added benefit, you will receive Bill Protection, meaning that if the CPP rate is not more beneficial for your business than your current rate schedule, you will be provided with a "true-up" credit after the summer season.
2. If you're on the Time-of-Use Base Interruptible Program – in which you receive a monthly credit for reducing demand during interruption events – also take advantage of the Demand Bidding Program (DBP) or Real-Time Pricing (RTP). The DBP, a flexible, Internet-based bidding program, gives you the opportunity to receive bill credits for voluntarily reducing power. RTP, which works well for customers with three-shifts-a-day operations, allows you to conserve and reduce power costs by taking advantage of hourly pricing variations.

For more information on all of SCE's customer-focused energy management programs and services, and tips on beating the heat and saving energy and money, contact your account representative or visit [www.sce.com/b-rs/large-business/](http://www.sce.com/b-rs/large-business/).

### How to Prepare for a Power Outage and What to Do When Experiencing One

At SCE, we strive to provide the highest level of reliability. However, sometimes unexpected events do result in the lights going out, or SCE needs to temporarily interrupt electric service for a planned outage to make system improvements that will enhance reliability in the future.

Knowing what to do during an outage can help keep you safe and make it less inconvenient:

- If your electricity stays off for longer than a few minutes, report an outage by calling 800.611.1911.
- If you are experiencing an outage and have access to the Internet, visit [www.sce.com/outage](http://www.sce.com/outage) to check on the status of the outage.
- Have an outage plan for critical equipment, and use surge protectors. If an outage occurs, shut off or disconnect sensitive electronic equipment to prevent the loss of data, equipment damage and/or a strain on the system when power returns.
- Maintain emergency lighting, and keep a kit with flashlights, battery-powered radios, bottled water and other emergency provisions.
- Know how to override or manually operate security gates.
- Before a planned outage, inform security and/or the phone companies that provide your business with alarm systems and private phone service of the outage.
- If you plan to operate an emergency generator during an outage, notify SCE first by calling 800.990.7788 to protect against possible dangerous electrical back feed.
- For additional outage-related resources and tips, visit [www.sce.com/outage](http://www.sce.com/outage).

We understand that outages cause inconvenience and business downtime, and getting your power back on quickly and safely is our greatest concern. SCE continues to enhance its restoration process and communications with customers about emergency and planned outages. Help us further improve the processes by completing the brief survey about planned outages that will appear as a link in all planned outage notifications in June. For more information, contact your account representative.

### Mark Your Calendars for West Coast Energy Management Congress in June

Make plans to attend the West Coast Energy Management Congress (EMC) on June 10-11, 2009, at the Long Beach Convention Center. Hosted by SCE, the EMC is the largest energy conference and technology expo held on the West Coast specifically for commercial, industrial and government and institutional energy users. It brings together top experts to help set an optimum path to both energy cost control and energy supply security.

SCE also will exhibit at the EMC, and if you go to the SCE listing on the exhibitor page of the EMC website, you can access free exhibits-only registration passes. For more information, visit [www.energyevent.com/](http://www.energyevent.com/).

## INDUSTRIAL SEGMENT FOCUS

### SCE Pump Testing Brings Reliability and Energy Efficiency to Oil Producers

With the increasing cost of electricity and greater emphasis on greenhouse gas emission reduction efforts, paying attention to the energy intensity of water flooding strategy and pumping in general offers a worthwhile effort for oil producers using water flooding of oil-bearing strata as a method of extraction. This focus not only offers dividends in operational cost savings, but also can reduce the carbon footprint of these operations.

The U.S. Department of Energy estimates that more than 50% of the life cycle cost of a pump system is attributed to energy and maintenance, with as little as 10% related to purchase and installation costs. This statistic hits home where the water injection strategy is standard operating procedure.

The strategy, designed to re-create the natural pressure depleted during primary recovery and drive the remaining oil toward the production zones, uses several "injection" wells for each producing zone. Injection pumping plants that feed the injection wells pump thousands of barrels per day at 1,000 or greater pounds per square inch. Typically, the prime movers are large electric motors (up to 3,000 horsepower), which drive multiple stage centrifugal pumps. These pumps also require supporting motor-driven centrifugal charge pumps, with additional energy required for water handling at the surface to separate the oil and water, and to transfer the water to the injection sites.

### Pump Efficiency Improvement Opportunities

One resource available to independent operators is SCE's Hydraulic Services Department, which helps customers monitor the health of their water pumping operations, keeping them reliable and efficient. The department provides SCE customers with a complimentary report on their pumping plant's efficiency, detailing whether the pump is matched to the task, and where the system's current Overall Plant Efficiency (OPE) stands in relation to the optimal OPE.

Under SCE's Industrial Pump Test Program, system or plant efficiency projects may qualify for incentives that effectively reduce the payback periods. As an example, an operator might be running three older, inefficient charge pumps to do the work of two efficient pumps. By performing field pump tests, this opportunity could be identified and two of the pumps could be rebuilt or replaced to meet the original flow and pressure requirements. This simple strategy could allow the third, less-efficient pump to be idled as a backup, saving energy and greenhouse gas emissions, offering operational redundancy and providing a cash incentive.

Another option for the same scenario could be that all three pumps are rebuilt, again increasing reliability and efficiency, but all three would be put back into service, therefore increasing injection rates and production. In this case, incentives could be paid based on better energy intensity or decreased kilowatt-hour (kWh) per barrel consumption. Currently, SCE pays an incentive of 8 cents per kWh for the first-year savings in a lump sum, up to 50% of the total project cost.

### Real-World Incentives and Savings

For one Southern California operator that leveraged the resources of SCE's Hydraulic Services Department, an opportunity was discovered for a high-pressure multi-stage centrifugal pump, which was identified as deviating significantly from its optimal OPE point through the evaluation provided by an SCE pump test.

By rebuilding the pump and replacing the 1,500-horsepower motor driving it with a new slightly higher-efficient unit, the project increased OPE from 57% to 68%, saving approximately 1.6 million kWh. This resulted in annual savings of nearly \$130,000 and a reduction in related carbon dioxide emissions of approximately 1.6 million pounds attributed to reduced electrical generation. SCE paid an incentive equal to 45% of the project cost, providing an accelerated simple payback of only 11 months.

In addition to its Hydraulic Services Department resources, SCE also offers the Industrial Energy Efficiency Program, which contracts with energy engineering firms to provide support specifically to the oil and gas production industry with the focus of identifying, quantifying and pursuing incentives for energy-efficient projects.

To learn more about these and the many other SCE energy management programs and services available to help industrial customers improve your bottom line, contact your account representative or visit [www.sce.com/b-rs/large-business/](http://www.sce.com/b-rs/large-business/).