



Contact your account representative for additional information and assistance.

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

**Statewide Transmission System Status**

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**INDUSTRIAL SEGMENT EDITION**

SOUTHERN CALIFORNIA EDISON

**POWER BULLETIN**

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# Lower Costs and Earn Incentives Through SCE Demand Response Programs

**S**outhern California Edison's (SCE) demand response programs offer valuable financial incentives in exchange for shifting or reducing energy use during critical energy demand periods.

You can earn incentive payments and/or payments for performance without compromising operational efficiency or personal comfort – helping to improve your bottom line and alleviate the possibility of power shortages during hot summer months.

### Demand Bidding Program (DBP)

This flexible Internet-based bidding program gives participants the opportunity to receive credits for voluntarily reducing power during a DBP event, without the risk of any penalties.

The DBP is open to SCE customers with at least one service account with a demand of 200 kilowatts (kW) or greater. Participants also may include aggregated groups of up to 25 service accounts if the designated lead service account has a demand of 200 kW or greater.

Participants can bid on a day-ahead or day-of basis, and also can enter a standing bid instead of logging on to bid for each event. The minimum load reduction requirement is 30 kW per hour for an individual service account and 100 kW per hour for aggregated groups.

Starting this year, SCE has proposed that participants be eligible for credit reductions up to 200% (vs. the previous 150%) of their committed

power reduction amount. The lower end of the credit reductions for the committed power amount will remain at 50%.

### Summer Discount Plan (SDP)

The no-cost SDP maximizes summertime bill savings by providing participants with summer season bill credits in exchange for allowing SCE to periodically turn off, or cycle, the compressors of central air conditioning unit(s) during peak energy demand periods.

SCE pays for and installs the turn-off (cycling) device on the air conditioner(s). Participants can choose plan features and turn-off options – cycling off the air conditioner 100%, 50% or 30% of the time

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during an event – that best meet their operational needs and employee/customer comfort levels.

SDP participants must have a central air conditioner in good working condition and must participate in their selected program/option for at least one year.

### Time-of-Use Base Interruptible Program (TOU-BIP)

An interruptible rate, TOU-BIP provides individual customer or aggregated group participants with a monthly credit for reducing at least 15% of their maximum demand (not less than 100 kW) during an event.

To participate, customers must have an individual or aggregated monthly maximum demand of at least 200 kW. Participants must select a Firm Service Level (FSL) to which they will reduce load during an event, or pay an excess energy charge. Current participants have benefited from the fact that there were no interruption events in 2007, and only one each in 2005 and 2006, but there is no guarantee that this history of relatively few interruption events will continue.

With the elimination of the I-6 Large Power Interruptible Program in December 2008, existing I-6 customers are expected to transition to TOU-BIP. Also, by the end of 2008, all TOU-BIP participants will receive a free RTU (remote terminal unit) for ongoing program participation.

### Capacity Bidding Program (CBP)

The statewide Internet-based CBP program, which runs from May 1 to Oct. 31, offers financial incentives to participants for agreeing to reduce load when a CBP event is called.

SCE customers may participate directly or through an aggregator. Participants must have Internet access and SCE-approved communicating interval metering systems. For 2008, meter funding has been approved for the first 300 service accounts between 50 kW and 199 kW.

CBP participants receive capacity payments based on the amount of capacity reduction nominated each month, plus energy payments based on their actual kWh energy use reduction when an event is called. Capacity reduction nominations can be adjusted each month.

Participants can select either a day-ahead or day-of notification option. Event commitment periods include one to four hours, two to six hours, or four to eight hours. Participants will not be required to reduce load for more than 24 hours in any given month.

### Learn More

For details on all of SCE's demand response programs, contact your account representative or visit [www.sce.com/drp](http://www.sce.com/drp).

## INDUSTRIAL SEGMENT FOCUS

### SCE Incentive Helps Industrial Facility Save Money and Improve Operations

Tapping into SCE's Technical Assistance and Technology Incentives Program, industrial customer



Officials at Linde Inc.'s facility in Carson, Calif., receive a \$343,500 incentive check from SCE for the installation of a direct digital control system to shut down the plant during demand response events. The company obtained the funding through SCE's Technical Assistance and Technology Incentives Program.

Linde Inc. received a \$343,500 incentive payment to install a full direct digital control (DDC) system to remotely shut down its Carson, Calif., plant and allow the company to take part in the Demand Bidding Program (DBP).

With the newly installed DDC system, Linde expects to save \$48,000 annually through DBP participation, with the potential for 1.4 megawatts of load reduction during a DBP event. The company also anticipates gaining additional efficiency in the operation of the plant, which operates around the clock to compress and purify carbon dioxide for use in beverage bottling, food freezing and other applications.

Before the DDC upgrade, the plant used an outdated pneumatic control system that hindered automation attempts. The new system allows for a much quicker response to interruptible rate and DBP events both on site and remotely, plus provides the ability to maximize participation in the DBP. In addition, the plant now can better monitor and control its operations and make adjustments as needed.

Linde Southern California Carbon Dioxide Cluster Manager Sam Chant noted, "It was a great experience from the get-go. SCE was completely supportive. They were really flexible with the scheduling and implementation of the project."

For other industrial facilities, Chant recommends doing a thorough plant assessment: "This Technical Assistance and Technology Incentives Program is fantastic and will produce a win-win situation for both the power consumer and SCE," he said. "Look at every opportunity to improve efficiency and see if your business can support being able to participate in demand response programs. At the end of the day everybody is trying to reduce power costs and eliminate the usage of more power."

He added, "We look forward to doing more projects with SCE with demand response in the near future."

### Technical Assistance and Technology Incentives Details

The Technical Assistance and Technology Incentives Program provides eligible industrial customers with technical assistance in the form of demand response site assessments and financial incentives for the installation of eligible technologies that can reduce electricity usage during times of peak demand. Such technologies include, but are not necessarily limited to, energy management systems, dual-level lighting, remote-controlled switches, building automation systems, demand control software and/or other enhanced automation technologies.

Customers with interval meters and registered demands of 200 kilowatts (kW) or greater are eligible for the program. Customers with service accounts under 200 kW may also be eligible if the accounts have interval metering, the associated load is greater than 200 kW for all accounts, and participating accounts are enrolled in a qualifying demand response program at the time of enrollment in the Technical Assistance and Technology Incentives Program. Qualifying participants can receive a reimbursement of up to \$250 per kW of measured and verified load reduction, not to exceed the actual reasonable cost of the purchase and installation of the qualifying technology.

For more information, contact your account representative or visit [www.sce.com/drp](http://www.sce.com/drp).



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