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# POWER BULLETIN

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**GOVERNMENT & INSTITUTIONS**

## New SCE Energy Management Solutions Resources: Helping You Save Energy and Money

With a greater focus on integrated demand side management (IDSM) starting in 2010, Southern California Edison (SCE) is delivering comprehensive energy management solutions encompassing relevant energy efficiency (EE), demand response (DR) and renewable offerings.

Now available are new key IDSM tools that include a suite of Energy Management Solutions Guides, which provide industry-specific energy management solutions, strategies and available resources. These easy-reference guides:

- Step business customers through market trend highlights and energy profile usage information,
- Give guidance on long-term energy management planning,
- Showcase project scenarios that demonstrate comprehensive IDSM based on actual customer issues and needs, and
- Identify targeted energy efficiency solutions and incentives, targeted demand response strategies and incentives, and define customer and equipment eligibility requirements.

The Energy Management Solutions Guides cover seven customer areas: office, small business, water and wastewater, manufacturing and warehousing, retail, agriculture and food processing, and government and institutions.

### EE Express Solutions and Customized Solutions

The guides include details on EE Express Solutions and Customized Solutions, the new names for the Express Efficiency and Standard Performance Contract Programs, respectively. Express Solutions offers SCE business customers incentives toward the purchase and installation of qualified equipment that can improve their facilities' energy efficiency. Customized Solutions provides financial incentives to offset the capital cost of installing new high-efficiency equipment or systems.

Both Express and Customized Solutions are now statewide programs, meaning customers can apply for incentives for any facilities served by SCE and California's other investor-owned utilities.

### DR Technology Incentives

The guides also include details on DR technology incentives available through the Technical Assistance and Technology Incentives (TA&TI) Program. The TA&TI Program provides eligible commercial and industrial customers technical assistance in the form of demand response site assessments at no charge, and technology incentives for the purchase and installation of equipment or systems that can reduce electricity usage during periods of high demand.

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Generous incentives for automated demand response (up to \$300 per verified kilowatt) are available if the load reduction can be remotely activated via the Internet. A note to remember: DR technology incentives combined with EE incentives cannot exceed the actual cost of the project.

### Streamlined Incentives Application

As just discussed, SCE offers energy management solutions that include Express Solutions, Customized Solutions and Demand Response Technology Incentives. These incentives can be applied for through SCE's new 2010 Incentives Application. Use the single application in coordination with the applicable Energy Management Solutions Guide to apply for your incentives today.

To access the Energy Management Solutions Guides and 2010 Incentives Application, visit [www.sce.com/solutions](http://www.sce.com/solutions) and click on "Incentives Application and Tools," near the top of the page.

To find out more about Express Solutions, Customized Solutions and TA&TI, contact your account representative or visit [www.sce.com/express\\_solutions](http://www.sce.com/express_solutions), [www.sce.com/customized\\_solutions](http://www.sce.com/customized_solutions) and [www.sce.com/tati](http://www.sce.com/tati).

Stay tuned to next month's Power Bulletin for more details on SCE energy management solutions resources to help you save energy, money and the environment.

### Mark Your Calendars for Spring Electricity Outlook Meetings

Learn more about electric utility issues, with a special emphasis on 2010 changes for rates, demand response programs and Direct Access, at one of SCE's Spring 2010 Electricity Outlook sessions. Each session takes place from 8 a.m. to 9:30 a.m., with continental breakfast from 7:30 a.m. to 8 a.m.

Date	Event#	Location	Address
April 20, 2010	25707	San Bernardino Hilton	285 E. Hospitality Lane, San Bernardino
April 22, 2010	25708	SCE's Agricultural Technology Application Center	4175 South Laspina, Tulare
April 23, 2010	25559	SCE's Customer Technology Application Center	6090 N. Irwindale Ave., Irwindale
April 27, 2010	25709	Hilton Costa Mesa	3050 Bristol St., Costa Mesa
May 7, 2010	25711	Oxnard Marriott	600 E. Esplanade Drive, Oxnard
May 11, 2010	25710	Torrance Marriott	3635 Fashion Way, Torrance

Customers also can choose to join an Electricity Outlook Webinar on April 23, 2010, from 8 a.m. to 9:30 a.m. (event #25712).

To register for any of these sessions, call 626.812.7537 or 800.336.2822, extension 42537.

## GOVERNMENT & INSTITUTIONS SEGMENT FOCUS

### Water District Puts Energy Into Facility Savings

Combining environmental stewardship and fiscal responsibility, the Orange County Water District (OCWD) works with SCE to receive incentives and achieve long-term energy savings for facilities that help ensure a reliable supply of high-quality water from the local groundwater basin.

In 2008, the Groundwater Replenishment System, or GWR System (a joint project of OCWD and the Orange County Sanitation District) received an incentive of more than \$420,000, and in late 2009 OCWD's new Advanced Water Quality Assurance Laboratory earned an incentive of nearly \$65,000.

Both incentives came through the Savings By Design Program (SBD), which provides design assistance and cash incentives for high-performance new facility design and construction, plus additions and major renovations.

#### Groundwater Replenishment System Savings

The GWR System receives 93 million gallons per day (MGD) of highly treated sewer water and purifies it to levels that meet state and federal drinking water standards. The result is 70 MGD of near distilled, high-quality water that is piped to a seawater intrusion barrier and settling ponds, where the water percolates into deep aquifers and eventually becomes part of the drinking water supply.

Several process areas within the GWR System use variable frequency drives—which earned SBD incentives—to vary the rotational speed of the motors and thus adjust energy levels as needed during the water purification process.



The Orange County Water District worked with SCE to maximize the energy efficiency of its Groundwater Replenishment System facility, earning an incentive of more than \$420,000.

In addition, the placement of microfiltration facilities in deep underground cells allows gravity to move secondary treated effluent, eliminating the need for an additional pump station and saving even more energy.

"Our designers and operators understood that incorporation of energy-efficient designs and equipment would pay back significant financial and environmental dividends over the long term," said OCWD Executive Director of Operations William Hunt. "The availability of financial support through the Savings By Design Program made the decision to include energy-efficient systems an easy one."

Hunt added that OCWD is looking at expanding the GWR System by approximately 40%, with plans to use new energy recovery device technology in the system expansion design. OCWD intends to work with SCE on additional SBD incentives for this project.

#### Water Quality Laboratory's Energy Efficiency

OCWD's new Advanced Water Quality Assurance Laboratory houses the personnel and equipment needed to conduct more than 350,000 water sample analyses annually. In addition, the lab supports the GWR System's water quality testing requirements.

"Our engineers carefully planned the new lab to incorporate environmentally responsible designs that would save resources and reduce energy consumption that exceeds California Title 24 standards by more than 10%, while at the same time holding to a tight overall project budget," said OCWD Principal Engineer Chuck Steinbergs. "Major energy savings were achieved in part through use of efficient air cooled chiller units (part of the HVAC system), high-efficiency fan motors, significant glazing efficiencies on the windows and a well-designed lighting system."

The new laboratory also incorporates additional green building energy-saving features, such as north-south exposure to maximize daylight use, and a white roof to reflect heat.

#### An Energy-Saving Partnership

OCWD doesn't stop with its use of SBD for energy savings. Last fall, it contracted with an SCE-approved demand response contractor to reduce load when called upon during peak demand periods, with a financial benefit estimated by OCWD of \$1 million annually. In addition, OCWD uses SCE's Real-Time Pricing Program for a 5-megawatt pumping station, leading to savings based on temperature-driven pricing variations.

Hunt and Steinbergs recognized SCE account manager James Pasmore for a hands-on, partnership-oriented approach that helps OCWD access tools, resources and incentive opportunities.

Hunt concluded, "Applying environmental stewardship values to our use of electricity is a natural extension of our established culture. SCE has been excellent to work with, with the financial benefit of incorporating both big and small energy management programs making our initiatives economically viable."

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).