



SOUTHERN CALIFORNIA
EDISON[®]

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– www.sce.com

Energy-Related Learning

– www.sce.com/ctac
– www.sce.com/agtac

Statewide Transmission System Status

– www.caiso.com

Utility Regulation

– www.cpuc.ca.gov
– www.energy.ca.gov



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INDUSTRIAL SEGMENT

SOUTHERN CALIFORNIA EDISON

POWER BULLETIN

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SCE's Free Energy Efficiency Tool Lending Program Now Available Online

With a few clicks of the mouse, you now can borrow energy efficiency tools from Southern California Edison (SCE) for FREE through the Tool Lending Library Program. This program provides California business and residential customers with energy efficiency tools to assist you in better understanding your energy usage and in making more informed energy decisions.

The Tool Lending Library features more than 400 tools—ranging from a power quality logger to a digital light meter—that can help with testing, troubleshooting, analyzing system performances and more. The six tool categories include:

- Energy/power
- Surveying, solar and miscellaneous
- Physical measurements, acceleration/velocity and rotational speed
- Lighting, sound and infrared radiation
- Humidity, temperature and other environmental conditions
- Air, water and gas flow

An online Tool Lending Library catalogue lists all of the available tools, along with the manufacturer, model and a brief description. From there you can fill out the online tool lending request form. The normal tool lending period is two weeks.

Interactive Displays and Hands-On Workshops

You also can search for available tools through the Tool Lending Library interactive display available at SCE's Energy Education Centers in Irwindale and Tulare, and used at many on-location classes, trade shows and public events. The live-talent interactive display allows you to learn more about the program, view the full Tool Lending Library catalogue and e-mail yourself with program details.

In addition, both of SCE's Energy Education Centers offer free hands-on workshops that highlight use of energy/power, HVAC and solar tools. Check the class schedules and register at www.sce.com/energycenters.

For more details on the Tool Lending Library, and to request a free tool, log onto www.sce.com/energycenters, click on Energy Education Center – Tulare and then on Tool Lending Library. For any additional questions, contact Tool Lending Library Manager Lisa Kinney at 800.772.4822.



The Tool Lending Library interactive display allows SCE customers to search for a wide range of energy efficiency tools available for loan from SCE at no cost.

CONTINUED FROM FRONT

Also visit www.sce.com/energycenters to learn more about how SCE's Energy Education Centers offer a wide array of energy management solutions, helping you save energy, money and the environment through hands-on demonstrations of the latest state-of-the-art technologies, as well as through workshops, classes and interactive displays.

Get the Latest Rate Updates at Spring Electricity Outlook Meetings

Register today for one of SCE's Spring 2011 Electricity Outlook sessions, where you will learn more about electric utility issues, with a special emphasis on 2011 changes for rates, Demand Response programs and Direct Access. Each session takes place from 8 a.m. to 10 a.m., with continental breakfast from 7:30 a.m. to 8 a.m. The schedule is:

Date	Event #	Location	Address
April 19	28626	Torrance Doubletree	21333 Hawthorne Blvd., Torrance
April 21	28307	SCE's Energy Education Center - Irwindale (formerly CTAC)	6090 N. Irwindale Ave., Irwindale
April 26	28628	Ventura Crowne Plaza	450 E. Harbor Blvd., Ventura
April 28	28629	San Bernardino Hilton Garden Inn	1755 S. Waterman Ave., San Bernardino
May 3	28630	SCE's Energy Education Center - Tulare (formerly AGTAC)	4175 South Laspina, Tulare
May 5	28631	Santa Ana Embassy Suites	1325 E. Dyer Rd., Santa Ana

You also can choose to join an Electricity Outlook Webinar on April 21, 2011, from 8 a.m. to 10 a.m. (event #28627). To register for any of these sessions, call 626.812.7537 or 800.336.2822, extension 42537.

INDUSTRIAL SEGMENT FOCUS

SCE Industrial Test Services Address Specialized Electrical Issues

SCE's Industrial Test Services group provides energy-efficient solutions applicable to small, medium and large industrial customers, from small machine shops to large refineries and aircraft manufacturing plants. The group looks at technologies ranging from simple motor drives and compressed air systems to complex process-specific technologies such as injection molding machines and membrane air separation processes.

The team of experts at SCE can help you solve a wide range of industrial electrical equipment problems through analyses, troubleshooting and other tasks to evaluate the performance of your motors and other electric equipment.

SCE's free services, all of which use state-of-the-art equipment, vary by customer to address the specialized electrical issues of each business. Some of the many services available include:

- **Load Profiles:** These can depict energy usage for your entire company or a particular area over a given time period. Load profiles are especially useful for:
 - o Quantifying energy savings by comparing old to new technologies;
 - o Accurately comparing rate options;
 - o Shifting load to minimize peak demands;
 - o Resolving billing questions;
 - o Obtaining savings data to qualify for rebates or incentives; and
 - o Identifying usage trends.
- **Harmonics Study:** This study determines the effect of variable speed drives on both your system and SCE's.
- **Voltage and Current Study:** This study determines if the source of an equipment problem is an SCE power line or the equipment itself.
- **Power Factor Study:** Through this study, SCE helps you determine the allowable expansion of load to your existing equipment and to plan system improvements accordingly.
- **Stray Voltage Problems:** SCE can help you pinpoint and correct these electrical anomalies. They are particularly troublesome for dairies because they can reduce milk production substantially.



Industrial customers can use SCE's free Industrial Test Services to help identify energy-efficient solutions and help solve a wide range of industrial electrical equipment problems.

As an example of the added value provided by SCE's Industrial Test Services, SCE conducted an extensive load study and analysis for a manufacturing plant. This customer requested assistance to allocate costs throughout its facility, and the load study and analysis provided much-needed information for the customer to make several important business decisions.

To take advantage of SCE's Industrial Test Services, contact your account representative or call 800.634.9175. For more information on all of SCE's energy management programs and services, also visit www.sce.com.

Tips for Industrial Facility Energy Savings

Start saving energy and money today with these easy-to-follow tips:

HVAC:

- Make sure fans, motors, pumps and compressors are operating at maximum efficiency.
- Upgrade or replace chillers, fans and motors with more efficient models.
- Make sure that the building envelope is sealed and that windows, doors and ventilation systems do not leak air.

Lighting:

- Retrofit the lighting at your industrial facility for energy efficiency and savings.
- Replace incandescent lights with compact fluorescent lamps (CFLs).
- Upgrade fluorescent T12s with magnetic ballasts to T8s, T5s or T5HOs with electronic ballasts.

Motors:

- Install premium or high efficiency motors.
- Install a variable-speed drive to optimize energy efficiency and reliability for typical operations.
- Keep motors cool, clean and lubricated. Overloading, improper supply voltage (high/low), frequent start/stops, and restricted cooling systems all serve to increase energy usage.

For more information on energy management solutions available from SCE to help you save energy, money and the environment, visit www.sce.com/solutions.