

## SCE's Energy Management Solutions Can Help You Learn, Prepare and Act to Manage Your Business' Energy Needs

Looking for ways to help your business lower its energy bills? Find industry-specific **Energy Management Solutions Guides** and the **2011 Incentives Application** available at [www.sce.com/solutions](http://www.sce.com/solutions). These guides provide a single source of information for SCE business customers to **Learn, Prepare** and **Act** on your business' energy management needs.

Start by choosing the industry that is closest to your business: options include office, small business, water and wastewater, manufacturing and warehousing, retail, agriculture and food processing, and government and institutions. Then, find out which programs are best for your business in three steps:

- **Learn:** Find energy consumption information by type of use (for example, lighting, HVAC and refrigeration), tips to help you start saving energy, and applicable energy efficiency and demand response solutions.
- **Prepare:** Take an online audit and find a contractor who can help with your energy management projects through SCE's contractor directory. You can also link to the Express Solutions and Customized Solutions Web pages.
- **Act:** Check out the "Get Started Now" box to find all you need to know to apply for incentives and act quickly to save energy and money.

### Additional Resources

Visit [www.sce.com/solutions](http://www.sce.com/solutions) and look under "Other Options and Resources" to find information on other programs and tools available to your business:

- **Online Application Tool:** Apply for incentives online and find up to date information on policies and procedures, equipment eligibility, new technologies, and other news at [www.sceonlineapp.com](http://www.sceonlineapp.com).
- **Resources and Online Tools:** Features training and tools available to help with your energy management needs.
- **On-Bill Financing:** Get zero financing loans for qualifying energy efficiency projects for your business.
- **Regulation and Compliance Support:** Highlights information about greenhouse gas emissions and energy performance benchmarking.
- **Renewables and Customer Generation:** Provides details on solar power and self-generation.
- **Specialized Services for New and Existing Buildings:** Offers additional technical assistance and energy solutions for qualified buildings.

## Do You Need to Prepare Your Business for Electric Vehicles?

You've probably heard a lot about the new models of light-duty passenger plug-in electric vehicles (PEVs) being released by auto manufacturers, some of which are already on the roads. And, you can expect to see more models hitting the market over the next few years. Many business owners will find ways to integrate PEVs into their operations – perhaps incorporating them into their fleets, or providing electric vehicle charging for their customers and employees.

SCE is now developing materials to help prepare its business customers for electric vehicles. Some things business customers may wish to consider:

- What rates and programs are available to SCE customers to reduce the cost of charging electric vehicles?
- What charging options are available in SCE's service area?
- Are there differences between employee workplace charging and fleet vehicle charging?

In the coming months, SCE will be making information available to help answer your questions and get your business prepared for this exciting new technology. In the meantime, if you have questions about electric vehicles or charging equipment, please call (800) 990-7788 or contact your SCE account representative.

## Office Building Complex Pumps Up Energy Savings Using SCE's Automated Demand Response Program

### Building a Commitment to Energy Savings

The largest commercial property in the Santa Monica area, The Water Garden provides a premier business environment for its tenants. Its 17-acre campus includes eight office towers, with a lake, six fountains and tree-canopied paths that create a true urban oasis.

A long-time proponent of energy efficiency, in early 2010 The Water Garden complex earned a U.S. Green Building Council Leadership in Energy and Environmental Design (LEED)<sup>®</sup> Gold Certification for Existing Buildings in recognition of its green building features.

As part of its ongoing effort to save energy, money and the environment, The Water Garden, through property management firm CB Richard Ellis, used SCE's Technical Assistance and Technology Incentives (TA&TI) program in 2009 for a site assessment to identify Demand Response potential. Based on the results, in 2010 The Water Garden joined SCE's Auto-DR (Demand Response) program.

Auto-DR allows customers with an automated load control system, such as energy management (EMS) or Supervisory Control and Data Acquisition (SCADA) systems, to participate in SCE Demand Response Programs with no manual intervention, providing flexibility and ease of use. Customers pre-select their level of participation and earn incentives for peak-period energy load reductions, which help ensure adequate electricity supplies and also offer environmental benefits.

SCE provides incentives of up to \$300 per kilowatt (kW) of tested load reduction for system upgrades and technologies that allow Auto-DR. The Water Garden's incentive totaled approximately \$46,500, which facility General Manager Christa Duggan says "paid for virtually the entire energy management system."

The Water Garden uses Auto-DR to participate on the CPP rate schedule, which rewards customers for reducing or shifting electricity usage during nine to 15 summer critical peak events, when the demand for and price of electricity climb.

### Adding Auto-DR to the Energy Solution

During a CPP event, a central system sends a signal to The Water Garden's EMS to automatically turn off the pumps that feed the site's water features. This allows The Water Garden to take part in Demand Response events, given its limited options to reduce or shift load inside the buildings during peak-period times without affecting tenants. The Water Garden retains the ability to override the automated signals and change its load reduction strategies at any time.

In its first summer participating on CPP using Auto-DR, The Water Garden saved \$4,770 on its electric bills, and can drop as much as 140 kW per CPP event.

"It's a 'no-brainer,'" Christa says. "It's transparent to tenants and doesn't impact their work productivity."

### More About Auto-DR

To learn more about Auto-DR opportunities, contact your SCE Account Representative, visit [www.sce.com/autodr](http://www.sce.com/autodr), call (866) 238-3605 or e-mail [ta&ti@sce.com](mailto:ta&ti@sce.com).

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## Make a Voluntary Contribution Today For a Cleaner Tomorrow

How can you help the nation's most populous state become a more environmentally friendly place to live and work? Simply make a voluntary contribution toward technologies that will capture greater amounts of renewable energy from resources such as the sun, wind, biomass, and geothermal formations.

Your contribution will help California meet its goal of generating more renewable energy and help educate consumers about the benefits of investing in renewable energy today for a cleaner environment tomorrow.

To make your voluntary contribution, enclose a check for any amount, payable to the Renewable Resource Trust Fund, in the return envelope with your bill payment. Upon receipt, we will forward your contribution to the California Energy Commission, which administers this fund. You can also mail your contribution directly to the California Energy Commission, Renewable Resource Trust Fund, P.O. Box 944295, Sacramento, California 94244-2950. For more information, please call (800) 555-7794, or visit [www.sce.com/ccfund](http://www.sce.com/ccfund).



## Is Your Water Heater Safely Strapped In?

You and your household members face a serious threat of fire, explosion, or electrocution if your water heater overturns or suffers damage to electrical wiring or plumbing during a disaster, such as an earthquake.

For that reason, California law requires that all water heaters must be braced, anchored, or strapped to avoid falling during an emergency situation.

To safely secure your water heater and to comply with California's safety requirements, have a licensed professional install an approved restraint kit to your water heater. Kits are available at your local hardware or home improvement store.

Learn more about water heater safety at [www.sce.com/waterheater](http://www.sce.com/waterheater).



## Safety Around Electricity

Electricity can be dangerous. Coming into contact with electrical current can cause serious injury or even death. To help you and your loved ones stay safe around electricity, here are tips to keep and share.

### Stay Far Away from Downed Electricity Wires

If you see a downed electricity wire, stay far away from it, and keep others away too. Never touch or move a downed power line, even with a stick, tree branch or other tool. Remember that downed electricity wires are deadly. Did you know that downed lines may still be "live" or can become "live" at any time, without notice?

### If you see a fallen wire, call 9-1-1 right away.

After a downed power line has touched the ground, electrical current can travel through the ground and injure anyone who approaches. Stay far away from anyone or anything that has come in contact with electrical current.

### Avoid Overhead Power Lines – "Look Up and Live"

Be careful around overhead wires, too. Remind your family and loved ones to stay at least 10 feet away from overhead power lines. Keep this in mind when climbing a ladder, using a pool skimmer, and pruning trees and shrubs.

### Water and Electricity Don't Mix

Water conducts electricity, so it's possible to be electrocuted by water that has come in contact with electricity. Talk to your family and loved ones about the dangers of mixing water and electricity. Some common-sense tips:

- Keep electrical appliances and power tools away from water
- Never use electrical appliances in the shower or bath
- Dry hands thoroughly before reaching for any electrical appliance
- Install "ground fault circuit interrupter" (GFCI) outlets in the kitchen and bath; they are designed to protect against electric shock

### Safety Tips: Discuss with Loved Ones

Safety is important, and reviewing safety tips with family and loved ones can help them stay safe for the long run.

To learn more about safety around electricity, visit [www.sce.com/safety](http://www.sce.com/safety).

## Safe Portable Generator Hook-Up

Connecting a portable generator to your home's electrical wiring is dangerous and can cause serious injuries or electrocution.

Do not hook up a generator directly into an electrical panel. The safe way is to connect the electrical equipment to a portable generator using a properly sized extension cord.

If your needs require a generator to be wired directly to your home, California state law mandates that you notify SCE. We also recommend that you enlist the service of a qualified electrician to perform the task.

For more information please visit [www.sce.com/generator](http://www.sce.com/generator).