

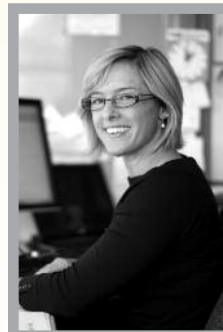
## Do You Need to Prepare Your Business for Electric Vehicles?

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 may 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 work place 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.



### Paperless Billing

*The most convenient way to receive your SCE bill*

Please visit [www.sce.com/mybill](http://www.sce.com/mybill) to sign up!

## Aquarium Commits to Growth Without Expanding Carbon Footprint

Can an organization grow 30 percent over seven years without increasing its energy usage?

The Aquarium of the Pacific, the nation's fourth-largest aquarium, proves it's possible to not only keep electricity usage flat, but to lower it with a proactive approach to energy management.

According to the Aquarium of the Pacific's Vice President of Operations, John Rouse, in 2002 the Aquarium used just over 11 million kilowatt-hours (kWh). Despite adding two major exhibits in the years since, he said 2009 usage totaled 10.755 million kWh.



### Projected Chiller Project Savings of 750,000 kWh/Year

The Aquarium's latest project involves the installation of a software-driven chiller optimization system, which will earn the Aquarium an approximately \$83,000 incentive from SCE (pending final post-installation inspection) and save a projected 750,000 kWh annually. It uses variable frequency drives to modulate the flow of chilled water pumps connected to the Aquarium's tanks, constantly monitoring the central plant to ensure it doesn't overuse energy for pumping.

Rouse said the chiller optimization savings will offset the load added when the Aquarium completes the second phase of its Molina Animal Care Center in the next few years.

The Animal Care Center is one of two new facilities, along with the Our Watersheds: Pathway to the Pacific exhibit, with U.S. Green Building Council Leadership in Energy and Environmental Design (LEED)<sup>®</sup> Platinum certification—the highest nationally recognized benchmark for green design, construction and operations.

As part of their sustainable design, both buildings include solar energy generating systems: a 6-kW array on the watershed exhibit and classroom, and a 30-kW array for the Animal Care Center, both of which will receive rebates via the California Solar Initiative.

### A Commitment to 10 Percent Demand Response Reduction

The Aquarium also takes an active approach to demand response, committing to load reduction through an aggregator contracted under SCE's Demand Response Contract portfolio, and building on that by participating on the Critical Peak Pricing rate schedule starting this year.

Rouse said the Aquarium tries to shed about 10 percent of its load during demand response events. It does this by adjusting air handling, using variable frequency drives to modulate some pumps, turning off non-essential pumps, and even asking employees to shut down computers if they're not at their desks.

"We do all of these programs because we feel we have to be good citizens of the grid," Rouse said. "We're so dependent on power. Anytime we can reduce the likelihood of an outage, we support that."

In addition, Rouse said the Aquarium uses SCE EnergyManager<sup>®</sup> Basic and SCE Cost Manager<sup>®</sup> to better understand daily energy usage and how energy use translates into costs. "For us, 50 percent of our bill in the summer is made up of demand. We want to save those kilowatts. That's a huge financial driver for us."

Rouse said the Aquarium continues to implement energy efficiency measures—from installing lighting sensors in office space to adding variable frequency drives on smaller pool pumps—and to "look on a daily basis" for more opportunities to save.

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) and [www.sce.com/drp](http://www.sce.com/drp).

## Safe Tree Trimming Reminders

This spring, you may be planning to trim your home's trees and shrubs, some of which may have grown near or around power lines or electrical equipment. For your safety, we remind you of the following:

- Always stay at least 10 feet away from electrical facilities and power lines. If you or your tools come in contact or close proximity with an energized power line you could be killed or seriously injured.
- Be aware of broken or downed power lines, which may still be energized and deadly.  
**If you see a downed power line, or a fallen tree near electrical wires, stay away and keep others away as well. Do not touch either the tree or the wires. Instead, immediately call 9-1-1.**
- Do not climb any tree if there is a power line touching its branches or trunk. That tree could be energized. If a cut tree branch falls on to a power line, that branch could also become energized. **In either case, contact 9-1-1 right away.**
- Be careful as you move ladders, tree trimming equipment, harvesting poles, pool skimmers or any tool that extends above your head.
- We strongly recommend you contact a qualified line-clearance arborist to trim and maintain trees that have grown close to power lines or electric facilities. However, if you plan to trim or remove trees that are closer than 10 feet from power lines, please contact SCE at least five days before the work is to be done. To report trees that have grown near power lines, call SCE at **(800) 655-4555** or go to SCE's online Request Tree Trimming form at [www.sce.com/treertrimming](http://www.sce.com/treertrimming).

For more safety tips to help you while your work on beautifying your landscape, visit [www.sce.com/trees](http://www.sce.com/trees).



## Building a Smarter, Cleaner Energy Future With Our Customers

At SCE, we strive to meet the electricity needs of our customers in an environmentally responsible way. Our relationship with the communities we serve is a partnership – based on trust, built over time and grounded in mutual respect. In honor of Earth Month this April, we want to share with you some of the ways that we demonstrate our environmental commitment in partnership with our customers.



### Energy Efficiency Leadership

Over the last five years, SCE customers have saved 7.8 billion kilowatt-hours through SCE's energy efficiency programs. That's enough energy to power 1.1 million average Southern California homes for an entire year. In this period, the programs have reduced greenhouse gas emissions by nearly 3.6 million metric tons – the equivalent of removing over 680,000 cars from the road.

### Smart Meters: Advancing Technology

Through SCE's smart metering program, Edison SmartConnect™, SCE customers are receiving new

smart meters that will allow them to take advantage of new programs and services that will soon be enabled by the meters. This technology will enable new pricing plans and programs to help customers reduce their energy cost and carbon footprint.

Edison SmartConnect meters are digital, secure, two-way communicating devices that will replace traditional mechanical meters and provide a key step in transforming the electric system to a smart grid. Smart meters measure electricity usage up-to-the minute and, in the coming months, customers will be able to view their energy usage from a computer, cell phone, or other electronic device to track how much they use and how much it costs.

Smart meters and the smart grid will help Californians consume less energy and shift their energy usage to off-peak evening and weekend hours. By using less energy, together we can reduce emissions of greenhouse gases and smog-forming pollutants in Southern California by an estimated 365,000 metric tons per year. That's the environmental equivalent of removing 79,000 cars from our roads.

To learn more about our commitment to building a smarter, cleaner more efficient energy future with our customers, visit [www.sce.com/smartenergy](http://www.sce.com/smartenergy).

## Enjoy "Green" Savings with Solar

Are you interested in learning how a solar energy system can help lower your business' operating cost? Would you like to add more "green" to your business' bottom line and improve your company's reputation for environmental stewardship?

We are pleased to offer **free California Solar Initiative (CSI) Commercial Solar** workshops designed for energy managers who want to help their companies "go solar." Classes are offered monthly through October 2011.

Classes will be held at SCE's Customer Technology Application Center (CTAC) facility in Irwindale.

Topics that will be covered include:

- Solar energy basics
- Benefits of installing a solar energy or solar hot water heating system
- Tax credits and other financial incentives that can help reduce up-front costs

Pre-registration is required and space is limited. Visit [www.sce.com/ctac](http://www.sce.com/ctac) to view the complete course description and register today.