



Contact your account representative for additional information and assistance.

#### QUICK LINKS TO FIND ENERGY INFO

##### **SCE Home Page**

– [www.sce.com](http://www.sce.com)

##### **Energy-Related Learning**

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

##### **Statewide Transmission System Status**

– [www.caiso.com](http://www.caiso.com)

##### **Utility Regulation**

– [www.cpuc.ca.gov](http://www.cpuc.ca.gov)  
– [www.energy.ca.gov](http://www.energy.ca.gov)

#### IN THIS ISSUE ...

- » Help Your Business Thrive in CA With SCE's Economic Development Resources
- » Customers Benefit From SCE Energy Efficiency Technology Assessments
- » Get Convenience and Savings With Online Billing
- » Hothouse Grower Partners With SCE for Cool Energy Savings

SOUTHERN CALIFORNIA EDISON

## POWER BULLETIN

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GOVERNMENT & INSTITUTIONS

200  
CITY HALL

*The Power Bulletin newsletter is meant to be an aid in understanding programs and incentives administered by SCE to help your business reduce energy. Programs and incentives covered in this newsletter are subject to funding availability and policy changes. Please consult your account representative for more information on any incentives/programs mentioned in this issue.*

## Help Your Business Thrive in CA With SCE's Economic Development Resources

Given today's challenging economic climate, Southern California Edison's (SCE) Economic Development Services Team serves as a critical resource for businesses to prosper, with programs and services that help lower operating costs, increase productivity and make staying in California economically viable.

Working in conjunction with the Business Development Team, SCE's Economic Development Services project managers provide one-on-one specialized support by:

- Offering site/location assistance, including comparisons of location-related alternatives.
- Providing information on access to location incentives and tax credits, as well as redevelopment project area information.

- Assisting with streamlining permitting and approvals (i.e. for expansions).
- Working with local, city and state partners to provide financing and access to capital, equipment loans and funding for workforce training programs.
- Performing target market and economic impact analyses, and monitoring innovative technologies and product development.

#### GIS Toolset: Map Your Future

Recent updates to the SCE Economic Development online GIS Toolset and Industrial Building and Site Database can help you further plug into Southern California incentives and resources.

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The toolset/database allows you to research opportunities for growth three ways:

**Site Location:** Use the tool to select an industrial building or available property and get full details, plus run demographic and business data reports based on selected radius criteria.

**Industry:** Browse through key industry listings, select an industry and have it populate on the map. Also, see supplier sources and competitive companies in nearby areas.

**Marketplace:** Research the area surrounding selected buildings or sites and identify statistical advantages based on demographic data.

The latest features offer more than 2,000 available industrial buildings and sites covering the entire region; a one-stop database populated with comprehensive demographic and market-related information; and the only web-based mapping overlay of existing state and federal business incentives zones in Southern California.

For more information on how you can benefit from all of SCE's Economic Development services, contact your account representative or visit [www.sce.com/economicdevelopment](http://www.sce.com/economicdevelopment) (see the upper right-hand side for the GIS program link).

## Customers Benefit From SCE Energy Efficiency Technology Assessments

To help California meet aggressive energy efficiency and greenhouse gas emission reduction targets, and customers improve their bottom line, SCE is playing a key role in bringing new cost-effective, energy-saving technologies to the marketplace.

SCE, along with California's other investor-owned utilities (IOUs) and the California Energy Commission, work together through the Emerging Technologies Coordinating Council (ETCC) to evaluate new and emerging technologies that will meet customers' needs and benefit all Californians. Emerging technology initiatives are geared to help the state's IOUs implement programs to help customers reduce operating costs and save electricity.

One energy-saving technology for both industrial and commercial use is the Automatic Fume Hood Sash Control System. This technology involves the use of an occupancy sensor which lowers the position of the fume hood sash to the minimum position whenever no one is working in the hood. By so doing, the exhaust air and make-up air to the hood are greatly reduced. A considerable amount of fan energy, heating and cooling energy can be saved—approximately 22,000 kilowatt-hours per average fume hood.

## Energy Efficiency Portfolio Enhancement

The vision of the Emerging Technologies Program is to increase market demand and supply of new and/or underutilized energy efficiency measures including technologies, processes and tools. By developing new measures, and increasing the market demand for these measures, the utilities will have more to offer in their energy efficiency programs, customers will be able to save more energy, and we will move closer to California's environmental and energy goals such as zero net energy.

SCE has numerous emerging technology projects and assessments in progress. To obtain more information on emerging technologies—including the state-of-the-art Technology Test Centers (Refrigeration, HVAC, Lighting, Power Quality and soon-to-come Zero Net Energy Test Center), technology-related education and more, contact your SCE account representative.

For more information on the work of the statewide Emerging Technologies Coordinating Council (ETCC), visit [www.etcc-ca.com](http://www.etcc-ca.com).

### Get Convenience and Savings With Online Billing

*For a faster, more convenient way to receive and pay your electric bill, enroll in SCE's free My Account service, which allows you to manage your account(s) online at [www.sce.com](http://www.sce.com).*

*My Account's secure 24-hour access puts three years of billing and usage history at your fingertips. With paperless Online Billing, you can reduce the operating costs associated with bill processing and document storage and help the environment by eliminating paper waste.*

*For more information, and to enroll, contact your account representative or visit [www.sce.com/paperless](http://www.sce.com/paperless).*

## GOVERNMENT & INSTITUTIONS SEGMENT FOCUS

### Hothouse Grower Partners With SCE for Cool Energy Savings

On 40 acres in Ventura County, a one-of-a-kind semi-closed Ultra Clima Hothouse run by grower Houweling's Hothouse is demonstrating a new standard in sustainability and energy efficiency.

Hothouse agriculture offers many advantages, such as a year-round growing season, use of fewer pesticides and herbicides, and less depletion of the soil's nutrients. In hothouses, growers can carefully control temperature, humidity and light, helping to deliver a bigger yield of juicy, plump fruits and vegetables. But there's one challenge: Hothouses use more electricity than standard greenhouses.

With the company's focus on sustainable agriculture practices to grow beefsteak and on-the-vine tomatoes and seedless cucumbers, Houweling's President and CEO Casey Houweling said the company asked, "How do we look at a project with a 20-year lifecycle or possibly more and mitigate some of those costs in the long term, plus have it provide as little impact on the environment as possible?"

### Incentives of \$1.2 Million

Working with SCE, Houweling's found a big part of the answer. Using the Standard Performance Contract and Savings By Design Programs, the company installed "the best-of-the-best" equipment available to dramatically reduce energy consumption, and received \$1.2 million in incentives for doing so. Some of the new equipment, for both retrofits and expansion of the new semi-closed Ultra Clima Hothouse, includes:

- Backward-curved ventilation fans with electronically commutated motors for more efficient low-speed operation.
- Variable frequency drive (VFD) controls on all additional pumps and fans with AC motors.
- Dampers to control the ratio of fresh to climate-controlled air and to minimize carbon dioxide losses.
- Energy-efficient lighting with occupancy sensors and daylighting controls.
- Energy-efficient nano filtration and ultrafiltration systems with VFD controls.
- An energy-efficient process chiller with VFD controls to reduce chiller consumption during summer on-peak periods.

### Crop Production Increase of 20%

Houweling's also incorporated 1 megawatt of on-site solar photovoltaic panels (with a rebate from the California Solar Initiative) to run the ventilation and irrigation systems. Plus, it added solar thermal generation, with the heat collected from the solar thermal array stored in hot water storage tanks and circulated through the facility.

Now, as it grows, packs and cold-stores its tomatoes and cucumbers for delivery to wholesalers and retailers, Houweling's is simultaneously reducing its electricity demand by more than 1.8 megawatts and saving more than 16 million kilowatt-hours of electricity annually—the equivalent of removing 1,300 cars off of the roads.

Also, by employing more efficient filtration to allow recycling of irrigation water, and capturing and using both rainwater and condensation, Houweling's expects to reduce its water consumption by 66%.

With the implementation of all of its sustainability and efficiency improvements, the company is projecting a 20% increase in its crop production.

### An Energy-Neutral Future

Casey Houweling credited SCE and account executive Lori Blackwell for assistance with this project, noting, "She's passionate about what she does. She's been a great help."

Looking ahead, he said the company recently hired an energy and water conservation manager to monitor usage and record how the 40-acre state-of-the-art semi-closed Ultra Clima Hothouse's operation compares to the rest of the company's facilities on 85 additional acres.

"Anything we could look at to save every kilowatt of electricity we did," Houweling said. "That's the principle we want to carry forward in the future and hopefully get the entire operation on an energy-neutral basis. That would be our long-term goal."

To learn more about 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/b-rs/large-business/](http://www.sce.com/b-rs/large-business/).

### Save the Date: League of California Cities 2009 Conference

The League of California Cities will host its 2009 annual conference and expo, with a theme of "Strong Cities, Strong State, Strong Nation," in San Jose on Sept. 16-18, 2009. SCE, a League Partner, will showcase advanced meters (Edison SmartConnect™), electric transportation, new transmission projects and energy efficiency programs. For details, and to register, visit [www.cacities.org/events/](http://www.cacities.org/events/).