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#### 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)

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GOVERNMENT SEGMENT EDITION

SOUTHERN CALIFORNIA EDISON

# POWER BULLETIN

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## Add Some “Green” to Your Business With Solar Energy

Tapping into rebates available through the California Solar Initiative (CSI) Program can make good “dollars and sense” for your business.

Two types of incentives are available:

- 1) an upfront incentive based on a system’s estimated future performance (projects < 50 kilowatts (kW)); and
- 2) a flat cents-per-kilowatt-hour performance-based incentive (projects > than 50 kW). CSI incentives, combined with tax credits and accelerated depreciation, will significantly reduce the cost of purchasing a new solar energy system.\*

Solar systems produce clean energy, which helps businesses lower their carbon footprint and electricity bills, and realize “bottom-line” benefits much more quickly.

### The Solar Solution

Solar energy is one of California’s most abundant, yet least-utilized resources. Solar systems offer several important benefits:

- They allow you to generate your own electricity onsite, which will offset some or all of your energy costs on your Southern California Edison (SCE) bill.
- They’re reliable, and with minimal maintenance they often provide more than 20 years of energy production from a free, clean renewable resource.
- They diversify California’s electricity supplies.
- They enhance your property’s value while demonstrating your environmental commitment.
- They reduce greenhouse gas emissions for your business.

### Energy Efficiency

Making your building more energy efficient reduces the size of the solar energy system you need to buy to power your business. An energy audit can help you identify important energy savings opportunities that will maximize your investment in solar power. All project sites must have an energy audit performed and included with the incentive reservation request.

### How to Get Your Rebate

To receive your solar rebate, complete the following steps:

1. Choose a solar installer. The California Energy Commission maintains a list of registered solar installers eligible to apply for CSI rebates on its website [www.gosolarcalifornia.ca.gov/retailers](http://www.gosolarcalifornia.ca.gov/retailers).

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2. Submit an Incentive Reservation Request Application. This is typically handled by your installer, and guarantees that you will receive the highest incentive levels available when your system is installed.
3. Install your system and obtain written authorization from SCE to connect the system to the power grid.
4. Get the system inspected.
5. Receive your incentive payment.

SCE offers free energy management and energy efficiency training at its Customer Technology Application Center in Irwindale and Agricultural Technology Application Center in Tulare. For a list of upcoming classes and to register, visit [www.sce.com/energycenters](http://www.sce.com/energycenters).

For more information about the California Solar Initiative Program, contact your account representative and visit [www.sce.com/csi](http://www.sce.com/csi) and [www.gosolarcalifornia.ca.gov](http://www.gosolarcalifornia.ca.gov).

This program is funded by California investor-owned utility customers and is administered by Southern California Edison under the auspices of the California Public Utilities Commission. California customers are not obligated to purchase any full fee service or other services not funded by this program. The program, which began Jan. 1, 2007, and will run for 10 years or until funding is depleted, is subject to change by the Commission in a public regulatory proceeding.

\*Consult the IRS or your tax consultant for details.



### About the California Solar Initiative (CSI)

The CSI is part of a statewide goal of creating 3,000 megawatts of new, solar-produced electricity by 2017 to move the state toward a cleaner energy future and help lower the costs of solar electricity. Through the CSI, the California Public Utilities Commission is providing \$2.167 billion in incentives for existing residential homes and existing and new commercial, industrial and agricultural properties.

SCE supports and is committed to achieving the state's renewable energy goals. SCE leads the nation in renewable power delivery, with eligible renewables accounting for nearly 17% of SCE's current power mix.

For more information on SCE's renewable energy portfolio, visit [www.sce.com/renewables](http://www.sce.com/renewables).



Server virtualization can help government and institutional customers maximize the efficiency of their servers and lower their energy bills in the process.

### GOVERNMENT SEGMENT FOCUS

## Server Virtualization Brings Hospital Data Center Big Savings

Government and institutional customers with data centers can look to server virtualization, and the example of Kaiser Permanente's Corona, Calif., Data Center, to maximize the efficiency of their servers and lower their energy bills in the process.

The Kaiser Permanente Data Center – which supports medical facility operations and a round-the-clock patient information network – last year virtualized more than 300 servers, taking multiple independent operating systems/applications and putting them on a single server. This process minimizes the use of servers and the energy associated with them, and also reduces the need for additional cooling. In addition, it maximizes the investment in hardware.

Server virtualization proved extremely valuable to Kaiser Permanente, enabling the center to support important applications such as the Kaiser Permanente HealthConnect™ electronic medical record system.

"To me it really was a big team effort. Everyone had their role," said Data Center Facility Manager Ron Talaska. He credited Griselda Perez, Kaiser Permanente's SCE account representative, along with Kaiser Permanente Program Manager Terri Syme, Senior Project Manager Beth Phillips and Consultant/Specialist Mark Taylor, for their "very positive energy" in moving the project forward.

### Energy Savings: 2.5 Million kWh

To build on its 2007 energy efficiency success with server virtualization and other projects, Kaiser Permanente's Corona Data Center currently is

working on a number of additional energy-saving initiatives, with a total of over 2.5 million kilowatt-hours in installed and projected energy savings. To date, the center has received more than \$85,000 in incentives for energy efficiency upgrades. The incentives have come through SCE's third-party Healthcare Energy Efficiency Program, administered by Intergy Corporation to support efficiency improvements by acute care hospitals and medical centers.

Projects in the works by the center include serving as an SCE test site to evaluate an air-side heat pump for a generator, moving forward with a lighting retrofit (T-12 to T-8 lamps), and acting on the soon-to-be-received findings of a retrocommissioning study for optimizing building operation and performance.

In addition, the Corona Data Center and Kaiser Permanente's other three nationwide data centers (two in Northern California and one on the East Coast) recently formed a "Go Green" team to identify further efficiency and conservation opportunities.

"It's so easy to get busy with day-to-day operations and lose focus on the big picture," Talaska said. "I recommend that any facility turn over every stone and look for every opportunity to save energy and be more energy efficient. At the very least, implement some type of program to help educate employees in your buildings to save energy wherever they can."

To learn more about server virtualization and other ways to improve your bottom line, contact your account representative.



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