



Powerful Solutions That Put You in Control

Ready to make your office building more energy and cost efficient? It's easier than you think. Start with simple actions, such as reducing lighting levels and raising cooling thermostat settings from noon to 6 p.m. during summer on-peak hours, to instantly conserve energy. Also, consider easy-to-implement equipment upgrades that will permanently reduce energy consumption. Take advantage of tools, tips, and financial incentives that can save you money, all while creating a better workplace your environmentally conscious employees can feel good about.

Where your energy dollars are used.

Office Electricity Use¹

Cooling	19%
Ventilation	18%
Lighting	28%
Office Equipment / Computers	10%
Other	25%

Data Centers Electricity Use²

Office Equipment / Computers	49%
Cooling	44%
Ventilation	5%
Lighting	2%

¹ Energy Information Administration 2003, Electric Power Research Institute, and other third party energy use data sets (average industry numbers)

² Energy Information Administration 2003



Make a Savings Plan

Office buildings are a significant and critical piece of California's economy, housing a diverse array of businesses. Knowing where and how you use energy can help you identify ways to reduce your energy use and overhead. We can help you develop a plan. Start with an **Energy Audit** — an analysis of your current energy use to identify savings opportunities, customized to your needs. Our customers who implement Energy Audit recommendations typically benefit from reduced energy use and lower operating costs.

Eliminate Energy Guzzlers

Consider participating in our **Express Solutions** or **Customized Solutions** programs, developed with governmental entities in mind. Investments in new, energy-efficient equipment lighting and occupancy sensors, infrastructure improvements, and green facility upgrades pay off in the long term — and many qualify for incentives right now.

Demand Response

Demand Response rewards you for reducing energy usage when demand for electricity is highest — typically the summer months — and when rates are highest, too. If your business has the flexibility to shift energy usage, you could plug into serious savings. We offer several Demand Response programs so that you can choose the best options based on your business needs.

Sign up for **Critical Peak Pricing** and get rewarded for voluntarily reducing electricity consumption during CPP "event" hours, when energy conservation during peak hours is most needed. Or, save with our **Commercial Summer Discount Plan** which automatically cycles your air conditioner units on and off during periods of peak demand, and allows you to only cycle a few units.

Want more control over when — and how much — you reduce your demand? With **Automated Demand Response**, you can reduce energy use with a click, so it's even easier for you to save both time and money.

Small Steps to Control Your Energy Expenses

When you use energy is as critical as how much you use. Just a few targeted equipment upgrades can really add up. And, many ways to save require little or no financial investment by your company.

Highly Rated

Office equipment and servers consume 20% of total energy in a building. Upgrading to newer ENERGY STAR®-rated equipment can have a significant impact on your energy costs.

- Install **plug load occupancy sensors** to turn off equipment when the workplace is unoccupied
- Upgrade to **high-efficiency copiers**
- Install **PC network software** to automatically control the power setting of networked computers

Keep Your Cool

In an average office, 37% of the energy use is for ventilation and cooling. Take advantage of **Heating-Ventilation-Air Conditioning (HVAC)** incentives now, and save energy and money over time.

- Shut down unused rooms and facilities
- Raise cooling thermostat settings
- Pre-cool building/work areas or cycle air conditioning and ventilation
- Pump up your energy efficiency with an **electric heat pump**, which works by transferring heat in or out of your building, depending on whether you've got your unit set to heating or cooling
- Perform routine maintenance on heating and AC filters, belts, coils, and bearings

Power Down

- Shift use of non-essential electrical equipment to before or after peak hours
- Install **sensory controllers** on vending machines, or shut them down for short periods of time
- Turn off decorative fountains
- Turn off excess or unused elevator banks or escalators
- Optimize system efficiency through smart **SCADA** controllers

Flip the Switch

Lighting accounts for 28% of the energy use in a typical office building. We offer solutions and incentives to upgrade to efficient lamps and fixtures.

- Install **T8** fluorescent lamps with electronic **dimming and ballast controls**, as well as compact fluorescent and light-emitting diode (**LED**) fixtures
 - Swap your incandescent bulbs for energy-efficient **LEDs** or **metal-halide lamps**, which have about twice the efficiency of mercury vapor lights and 3 to 5 times that of incandescent lights. You'll be surprised how much lighter your energy load will be
 - Using high-end trim/tuning to program target light levels for each space's lighting needs
 - Program light levels to automatically adjust to the amount of daylight available in each office area
 - Program the lighting controls to automatically reduce power consumption during a Demand Response event
 - Turn off unnecessary lighting, ornamental, or display lighting
 - Reduce lighting levels
 - Install **daylighting controls** to adjust lighting, and **occupancy sensors** in general usage areas, so lights and equipment turn off when area is unoccupied or not in use
 - Install **dimnable ballasts** to control the current passing through fluorescent lamps. Lower light levels use less energy, and dimming enhances comfort for office workers
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Power Tools for Long-Term Savings



Finance for Free

We offer **On-Bill Financing** to help your business spread out the cost of qualifying energy efficiency upgrades over time, at no fee to you and with zero interest. Payments may even be offset by savings resulting from your efficiency investments. Some equipment may also qualify for financial incentives — making it even more attractive to upgrade.

Set a Goal to Save

Benchmarking provides an “apples-to-apples” comparison of your building’s energy performance to other office facilities, and a roadmap to greater efficiency. **Savings By Design** encourages high-performance, non-residential building design and construction by providing financial incentives, detailed analysis, and design support. Through **Continuous**

Energy Improvement, we’ll provide you with a dedicated energy expert — at no cost to you — to help you assess, plan, implement, evaluate, and modify your building’s energy strategy.

Go Retro

Retrocommissioning (RCx) will help keep your building operating efficiently. For office buildings, RCx generally focuses on Heating-Ventilation-Air Conditioning (HVAC) and lighting improvements.

Green, Clean Solutions

Embracing innovative energy sources, like solar and self-generation, can reduce your carbon footprint — and your energy bill.

Leave It to the Experts

If you’d like to put your efficiency plan in the hands of industry professionals, you can take advantage of programs such as the **Commercial Utility Building Efficiency** and the **Data Center Energy Efficiency Program**. These programs are delivered by third-party vendors, and offer program management, technical services, and financial incentives.

“It’s a corporate responsibility to our community to be more efficient. It also lowers our operating expenses, with savings passed through to tenants.”

— Christa Duggan, General Manager
The Water Garden

MORE INFORMATION

To learn more about Energy Management Solutions and apply for incentives, visit sce.com/office or call your **SCE Account Manager**.

Programs are funded by California utility ratepayers and administered by SCE under the auspices of the California Public Utilities Commission. Incentives and savings will vary by customer, and SCE does not make any representation herein concerning actual or potential savings amounts. Funds are limited and are available on a first-come, first-served basis until program(s) are discontinued, or until funds are depleted. Terms and conditions may apply.