

Residential Energy Guide



You have the power to save energy, money and the environment by taking some simple steps in your home. Southern California Edison would like to help you get started by providing you with energy saving tips as well as longer-term solutions that will help you save money and conserve California's valuable energy resources.

FREE Customized Energy Report

Find out where you can save in your home by taking the Home Energy Survey. Just visit www.sce.com/survey. You'll receive a customized report identifying opportunities for maximizing your energy, water, and money savings by improving the energy efficiency in your home.

ENERGY SAVING TIPS

No- and Low-Cost Things You Can Do Now

Heating and Cooling

- When heating your home: Reduce your thermostat by 3-5°F when your home is occupied; set to 55°F or lower, or turn off your heating system when your home is unoccupied.
- When cooling your home: Increase your thermostat by 3-5°F when your home is occupied; set to 85°F or higher or turn off your cooling system when your home is unoccupied.
- Inspect air filters before the heating and cooling seasons as required by manufacturer and replace as needed. Dirty filters restrict airflow and increase energy use.
- An air conditioner tune-up done by a qualified professional can save up to 30% on home cooling costs. For additional information go to www.sce.com/acquality.

FACT: If 25% of all SCE residential customers with air conditioning tuned up their system each summer, the improvement in A/C system efficiency would result in the reduction of up to 316 million pounds of CO₂ emissions from burning fossil fuels to generate electricity — the equivalent of removing approximately 30,000 cars off the road.

- Save up to \$200 during the summer months by enrolling in the Summer Discount Plan. Visit www.sce.com/sdp.

Lighting

- Replace incandescent light bulbs with ENERGY STAR® qualified compact fluorescent lamps (CFL) which use up to 75% less energy. For additional information go to www.sce.com/newlight.
- Use task lighting when possible. Focus light where it's needed rather than lighting an entire room.
- Install timers or photocells with motion sensors to enhance security and ensure that outside lighting is used only when needed.
- For your bathrooms, hallways, or bedrooms consider installing LED night lights equipped with photo sensors to keep them off during daylight hours.

Appliances

- Always wash a full load of clothes or use the variable water level adjustment for smaller loads to save energy.
- Use hot water for clothes washing only when necessary and always use cold water for the rinse cycle. Using cold water reduces your washer's energy use.
- Clean the clothes dryer lint trap after every load and be sure that the dryer's exhaust line is clean.

- Use an automatic clothes-drying cycle instead of a timed cycle.
- Put full loads in the dishwasher and use the "energy saving" setting for the drying cycle or let dishes air dry.
- Use your microwave oven as much as possible in the summer.
- Leave space between your refrigerator and the surrounding walls and cabinets to allow air to circulate around the coils.
- Unplug your spare refrigerator or freezer if you do not use it and save up to \$292 on your electric bill. Consider recycling your spare working refrigerator or freezer by participating in SCE's free refrigerator and freezer recycling program. Go to www.sce.com/pickup for more details.
- To save on your water heating cost, set your water heater to 120° F or "normal" setting.

Pools and Spas

- Install a timer, or set your existing timer to run pool filtering and sweeping operations during off-peak hours (before noon and after 6 p.m.)

Around the House

- Weather-stripping and caulking around doors and windows will reduce leaks and save energy by preventing conditioned air from escaping to the outside or unconditioned air from getting inside.

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ENERGY SAVING TIPS

When It's Time to Replace

Heating and Cooling

- If your home is air conditioned and you live in a moderate climate zone, installing a whole house fan can help reduce energy consumption by pulling cool air from outside through your home and moving warm air out through the attic.
- Replace your central air conditioner or heat pump with an ENERGY STAR qualified model with a Seasonal Energy Efficiency Ratio (SEER) of 14 or higher. Higher SEER units offer higher energy savings year after year.
- Replace a room air conditioner with an ENERGY STAR qualified unit. You'll stay cool and save on energy costs.

FACT: If every household in California replaced one older major appliance (e.g. refrigerator, dishwasher or clothes washer) with one that is energy efficient, the reduction of CO₂ would be equivalent to taking approximately 300,000 cars off the road.

Lighting

- Replace torchiere lighting fixtures containing halogen lamps with more efficient compact fluorescent torchieres. They're safer, generate less heat and reduce electricity use by as much as 75%.
- Consider installing compact or linear fluorescent lighting fixtures to replace incandescent lighting fixtures anywhere in your home. The best cost savings are achieved when you do not increase light levels in the process.

Appliances

- Replace your 10 years old or older clothes washer and dishwasher with ENERGY STAR qualified models.
- Save up to \$195 in electricity costs by replacing your 10 years old or older refrigerator with an ENERGY STAR qualified model.

Pools and Spas

- Install a pool or spa cover to minimize heat loss due to evaporation during heating.
- When replacing pool equipment, consider installing an energy-efficient pool pump motor.

Around the House

- If you have leaky windows, consider replacing them with high performance windows to increase comfort and save energy.
- Install R-13 or higher thermal resistance insulation in walls and R-30 or higher insulation in ceilings. The higher the insulation level, the more energy you save.
- Consider installing an evaporative cooler to reduce your air conditioning usage. This technology is ideal for hot, dry climate zones and uses considerably less energy than your air conditioning system.
- Take advantage of the free energy from our California sunshine and install photovoltaic panels on your rooftop or solar thermal hot water system. Visit www.sce.com/rebatesandsavings/CaliforniaSolarInitiative for details.
- Energy-efficient roofing materials, also called "cool roof," can reduce roof temperature by as much as 60°F during the summer. A cool roof reflects the sun's radiant energy and, in addition to reducing energy costs, may lower the maintenance costs and increase the life cycle of your roof.
- Planting trees on the south, east and west sides of the home will save energy by reducing cooling loads on your air conditioner while increasing interior comfort of the home.

FACT: Using solar energy to supply energy to a million homes would reduce CO₂ emissions by 4.3 million tons per year, equal to removing approximately 850,000 cars from the road.

Rebates and Cash Incentives

Some of the steps you take to improve your home's energy efficiency may be eligible for rebates and cash incentives. Find out which may qualify by visiting www.sce.com/rebateoffer.

For More Information

For more information about how you can improve the energy efficiency of your home, contact:

Southern California Edison
800-736-4777
Monday-Friday 8am-5pm
www.sce.com/rebateoffer

SCE Home Energy Survey
800-278-8585
www.sce.com/survey

Flex Your Power
866-431-FLEX
(866-431-3539)
www.fypower.org

ENERGY STAR®
888-STAR-YES
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**California Energy Commission
Consumer Energy Center**
800-555-7794
www.consumerenergycenter.org

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Find Rebates and Cash Incentives at www.sce.com/rebateoffer