

Energy Saving Opportunities for Renters

Speakers



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Agenda

- Welcome and Introductions
- Introduction to Energy Use
- Talking with Your Landlord
- Energy Saving Opportunities
 - Plug Loads
 - Appliances
 - Lighting
 - Home Envelope
- Water and Energy Savings
 - Bathroom
 - Water Heater
 - Outdoor
 - Kitchen
- Green Tips
 - Compost and Recycling
 - Transportation
- Resources
- Q&A



Webinar Logistics

- All attendees are in listen only mode
- We will be answering questions after the presentation
- Please send us questions using the Q&A feature at any time
- The webinar is being recorded and will be shared after

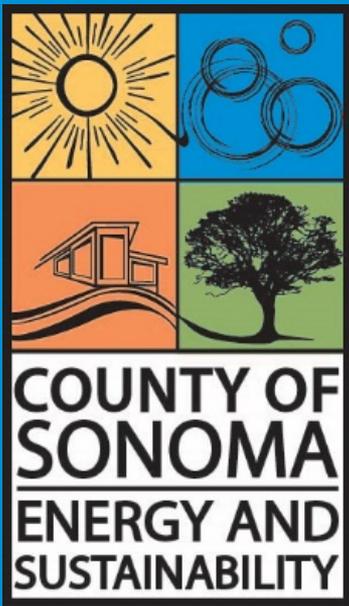




Sonoma Clean Power

Sonoma Clean Power is turning the tide on the climate crisis, through bold ideas and practical programs.

- Provide higher percentages of renewable energy and reduce greenhouse gas emissions
- Help solve the climate crisis at a local level
- React and respond to local needs
- Deliver customer programs that make a difference



Better Buildings – What We Do

The Energy and Sustainability Division of the County of Sonoma's General Services Department promotes and delivers solutions necessary to mitigate environmental impacts and address climate change.

Sustainability Workshops ✨ Green Business Certification

Financing and Rebates ✨ Consulting and Project Planning

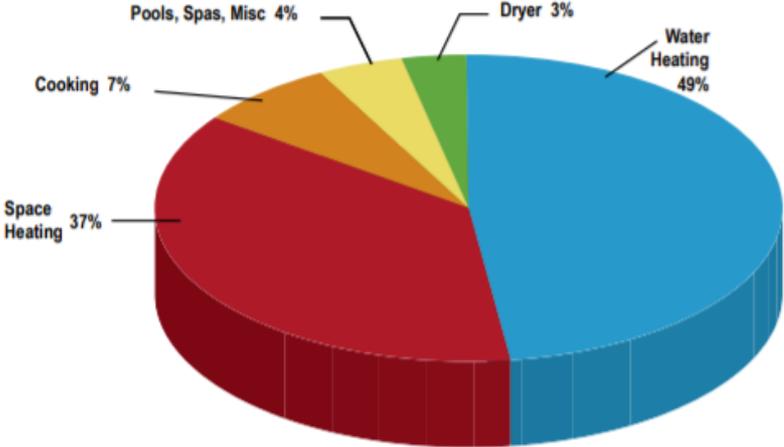
Qualified Contractor List ✨ Specialized Trainings

Contact Us

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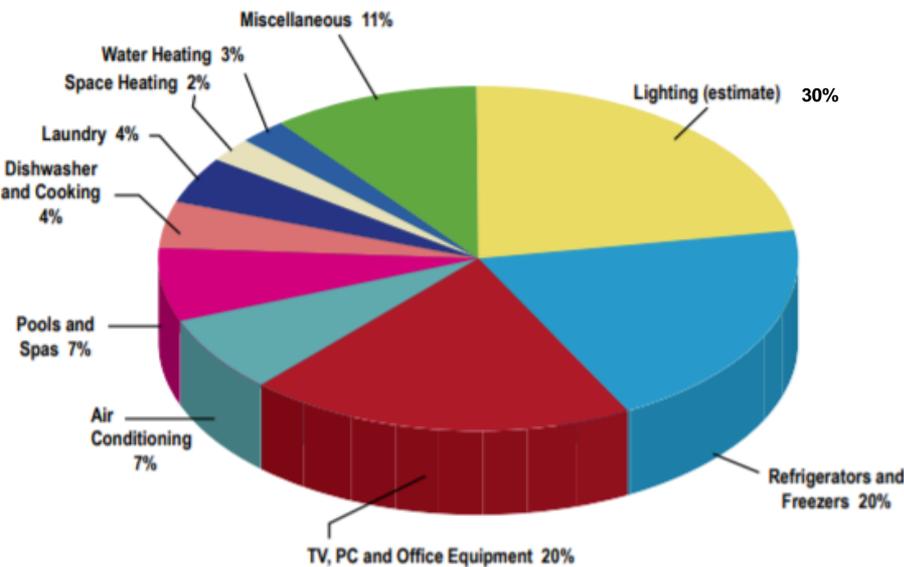
Average Household Use of Energy in CA

Statewide Average Natural Gas Use Per Household
(354 therms per Household)



Source: 2009 California Residential Appliance Saturation Study

Statewide Average Electricity Use Per Household
(6,296 kWh per Household)



How are power and energy measured?

Watt (W) – A watt is the basic unit of power used to measure electricity capacity

Kilowatt (kW) – A kilowatt is 1,000 watts

Kilowatt-hour (kWh) – A kilowatt-hour is 1,000 watts used for one hour (power x time)

It is the most common unit of energy found on household electricity meters.

Therm – A therm is the energy equivalent of burning 100 cubic feet of natural gas. The average PG&E residential customer uses approximately 34 therms per month per household.





CleanStart Service

50% Renewable

97% Carbon-Free

- Default service
- Competitive rates
- Mix of renewables, carbon-free energy, and general system power



EverGreen Service

- Optional program available to residential and commercial customers
- Premium of \$0.025/kWh (about \$13 more per month than CleanStart for avg. home)

24/7 Renewable

100% Local

Solar & Geothermal



Talking with Your Landlord

- Focus on benefits
 - Lowers the property's carbon footprint
 - Can encourage tenants to stay longer since the home is more comfortable
- Ask questions
- Research and share incentive programs and discounts
- Offer to do some renovations yourself
- Report leaky faucets and appliances



Do-It-Yourself (DIY) Energy and Water Savings Toolkit

- Available at Sonoma County Libraries
- Can be checked out for up to 3 weeks
- Includes:
 - 4 LEDs
 - Weatherstripping
 - Outlet gaskets
 - Low-flow showerheads
 - Low-flow faucet aerators
 - Water leak detection dye tablets
 - Water flow rate bag
 - Tools to be returned once you are finished
- Currently suspended at the Mendocino County Library until further notice due to COVID-19

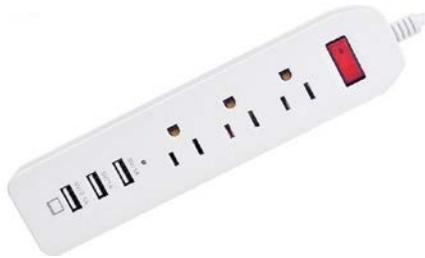


www.sonomacleanpower.org/programs/diy-toolkit



Reducing Energy Use: Appliances

- Turn off and unplug small appliances when not in use
- Use smart power strips which will shut off equipment when in standby mode
- Always look for the ENERGY STAR® logo when buying new appliances
- Use a Kill-A-Watt® Meter to help measure energy use (included in DIY Toolkit)



Reducing Energy Use: Appliances

Refrigerator

- Regularly clean the coils on your refrigerator
- Keep contents organized so you can quickly get what you need
- If you have a second refrigerator or freezer, consider donating it or having it properly disposed of
- Use a refrigerator thermometer to help set optimum temperatures



Washer & Dryer

- Wash full loads and use short wash cycles for mildly dirty laundry
- Use cold water whenever possible
- Clean the lint trap after every use to ensure safe, efficient drying
- Try air drying clothes instead of using the dryer, which is a big energy user



Reducing Energy Use: Appliances

Heating & Cooling Systems

- Do not rely on space heaters, which are very inefficient
- Clean and replace filters regularly
- Use window coverings to prevent heat gain during the summer and heat loss during the winter
- Circulate air with ceiling or portable fans but turn off when you leave the room
- Set your thermostat to heat at 68 degrees in the winter and cool to 78 degrees in the summer



GridSavvy

- Turn on the tide on climate change with your smart devices
- Discounts on technology
 - Smart Thermostats (\$50 instant rebate)
 - Level 2 Electric Vehicle Chargers (free)
 - Heat Pump Water Heaters (\$1,700-\$2,000 rebate)
- Receive a \$5 monthly bill credit

www.sonomacleanpower.org/programs/gridsavvy



Reducing Energy Use: Lighting



- Turn off lights when you leave the room
- Switch your lightbulbs to LEDs

Tips:

- Choose an LED with the same amount of lumens as the old bulb. You should be able to find how many lumens on the packaging.
- First replace the incandescent bulbs in fixtures that have the highest use; this will result in the greatest savings for you.
- If you want a dimmable light, look for the “Dimmable” label on your LED.
- Choose 90+ Color Rendering Index (CRI) LED; higher CRI = greater color accuracy
- Pay attention to the color temperature. LEDs are available in a variety of color temperatures from warmer to cooler as indicated on the package. The higher the temperature listed on the bulb, the cooler the light.



Reducing Energy Use: Home Envelope

An energy-efficient building envelope can help landlords and tenants reduce energy costs, enhance comfort and improve safety.

- Install weatherstripping
- Install outlet gaskets
- Seal penetrations/gaps and holes
- Adjust window treatments
- Use an infrared laser thermometer to spot potential trouble spots in your home
- Heat/cool yourself, not your house. Put on layers if cold, take off layers if hot.

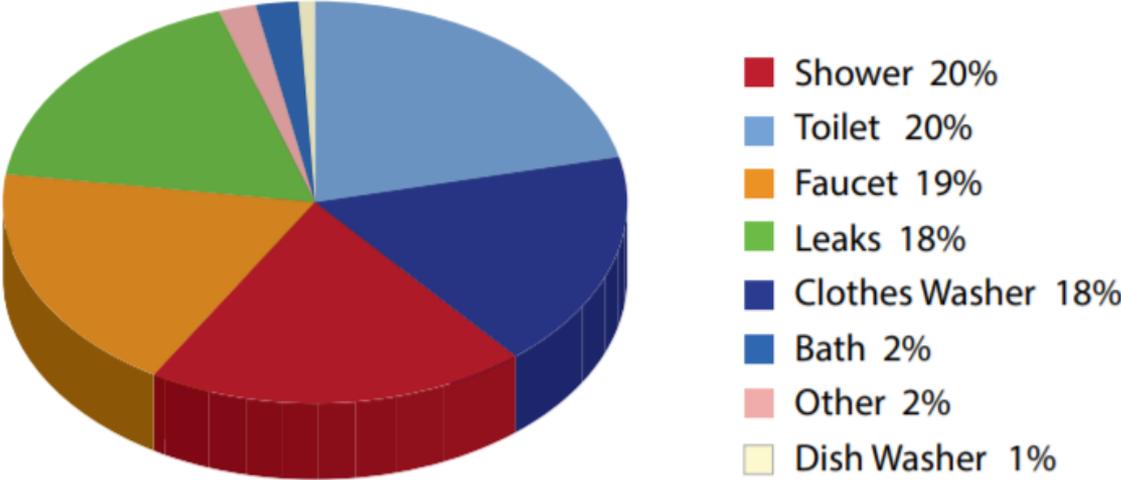
Reminder:

- Make sure to talk to your landlord about any changes you may make to the property



Saving Water, Saves Energy

Indoor Water Use in a Typical Single Family Home



Reducing Water Use: Bathrooms

- Turn off the water when brushing your teeth and shaving
- Shorten shower time
- Measure the flow rate of fixtures
- Replace the faucet sink aerators
- Replace the showerhead
- Check the toilet for leaks



Reducing Water Use: Water Heater

- Insulate hot water pipes leading from the water heater
- Ensure the water heater temperature is 120 degrees
- Set your water heater to vacation mode if you will be away for an extended time



Reducing Water Use: Outdoors

- Water between sunset and sunrise when temperatures are the lowest
- Change your irrigation schedule with the season and with local weather conditions
- Make sure sprinklers are pointed at landscape and are not watering concrete
- Regularly check for and fix leaks in the irrigation system
- If you plant, consider drought tolerant landscaping

Car Washing

A home car wash uses 80-140 gallons of water whereas most commercial car washes use 30-45 gallons. Washing your car on your driveway or in the street sends dirty water, soap, heavy metals, oil, and grease into the gutter, which flows to local creeks and waterways. If you wash your car at home, park it over the lawn or a gravel area.



Saving Water and Energy in the Kitchen

Efficient Cooking Habits

- Thaw frozen meats and seafood in the fridge to reduce cook times
- Double your recipe, freezing half for later
- Heat only as much water as needed
- Cover pans to reduce cook time and energy
- Use fewer pots to reduce dish washing needs
- Use your toaster oven or microwave for small items; unplug appliances when not in use
- Avoid opening the oven door



Electrify Your Cooking

- Consider a portable induction cooktop



Saving Water and Energy in the Kitchen

Efficient Dishwasher Habits

- Dishwashers use less water than washing by hand
- Scrape, don't rinse, dishes
- Use the short cycle
- Air dry dishes by turning off the heat setting and opening the door
- Use during non-peak utility rate times



Eating Habits that Help the Planet and Your Health

- Avoid sweetened beverages—one 20-ounce soda contains 17 teaspoons of sugar.
- Look in your refrigerator first. In the U.S., 40 percent of our food goes uneaten. Eat what you have before shopping for more.
- Eat locally. Reduce the miles your food travels and support local farmers.
- Opt for organic. Avoiding pesticides is better for the environment and your health.
- Try the veggie option. Meat production uses an enormous amount of water and energy. Going meatless once a week will make a difference.
- Prepare balanced meals. Provide meals loaded with fruits and veggies to promote healthy eating habits for you and your kids.



Compost and Recycle

- Composting keeps kitchen waste out of the landfill
- Turns organic material into a valuable product for gardens and house plants
- If you compost at home, you can save money by not having to buy soil conditioners, mulch, and fertilizer
- Check your local waste hauler about what is accepted for recycling and what isn't



Transportation

Get better gas mileage

- Regularly maintain your vehicle — a happy car is a more efficient car.
- Under-inflated tires will decrease your miles per gallon, so check the tire pressure when filling your tank. Proper tire pressure levels can be found on the inside of the driver's side door.

Ditch the gas car!

- Consider walking or biking whenever possible
- Switch to an electric vehicle

SCP Bike Electric Incentive Program

Launching March 8th, SCP is offering income-qualified customers in our service territory \$1,000 off the cost of eBikes at local retailers



Resources



BayREN Single Family Home+

- Energy Savings Kit (up to \$70 value) is free when PG&E account holder completes a quick online home energy evaluation
- Rebates (1-4 units)
- Speak with a Home Energy Advisor at (866) 878-6008

www.bayrenresidential.org

BayREN Multifamily Building Enhancements Program (BAMBE)

- Rebates (5 or more units)
- No-cost Multifamily Energy Advisors can assist renters in talking to landlords about planning energy saving improvements and available rebates

www.bayren.org/multifamily



Additional Resources

Energy Efficient Appliances

- [PG&E Marketplace](#)
- [ENERGY STAR](#)
- [Consortium for Energy Efficiency \(CEE\) Qualifying Products Lists](#)

Weatherization

- [ENERGY STAR DIY Guide to Sealing and Insulating](#)

Water

- [Sonoma Marin Water Saving Partnership](#)
- Check with your water utility for rebates and incentive programs



Additional Resources

Transportation

- [SCP Drive EV](#) webpage
 - [EV Roadmap](#) guides you through the various incentive programs available to help reduce the cost of your new EV.
 - [EV Buyer's Guide](#) helps you learn what it's like to drive electric, what to consider when going electric, how to charge your EV, and the sustainability of EVs.
 - [EV 101](#) is an online 24/7 responsive resource for all your EV questions developed in collaboration with our partner, the Regional Climate Protection Authority.
 - [The EV Savings Calculator](#) helps you estimate and compare cost and carbon savings when you switch to an EV, as well as browse current EV models and available incentives.
- [Bike Electric Incentive Program](#)

Induction

- [SCP Induction Cooking webpage](#)



Advanced Energy Center

The Advanced Energy Center will be a showcase for the latest and greatest energy saving technologies.

Customers will be able to:

- **Take classes** on advanced energy topics
- **Get connected** with certified contractors.
- **Purchase equipment** and controls with incentives using zero interest loans paid back on their electric bill
- **Learn** about all of SCP customer programs in one place
- Try cooking in SCP's **zero carbon kitchen**

Website coming soon!



Q&A

Thank you

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