

The Benefits of Going Electric

You can go electric at home by upgrading your home appliances to efficient electric technology such as heat pumps and induction stoves. These modern appliances are super-efficient and offer increased safety and convenience.

Save Money

- **Save On Energy Bills:** Modern electric appliances are 3-5 times more efficient than gas appliances. By using less energy, high-efficiency electric appliances can lower your energy bills.
- **Save On New Appliances:** Because high-efficiency electric appliances save energy, there are many programs that offer incentives to cover the cost of upgrading. Southern California Edison (SCE), the state of California, and the federal government all offer incentives to cover some or all of the cost of high-efficiency electric home upgrades.

Improve the Health, Safety, and Comfort of your Home

- **Improve Air Quality:** Removing gas appliances can improve the indoor air quality of your home, making it a healthier place for you and your family. Gas appliances can leak and exhaust pollutants, such as carbon monoxide and nitrogen dioxide, which can have harmful health impacts.
- **Increase Safety:** By switching to electric appliances, you can reduce the risk of gas leaks and other safety hazards. Modern technologies also offer safety improvements. For instance, induction stoves do not get hot unless there is a pot or pan on the burner when it is turned on.
- **Enhance Comfort:** Efficient electric appliances offer improved comfort and convenience. For example, heat pumps provide both heating and cooling, and induction stoves heat up faster and offer more precise temperature control.

Help the Environment

- **Save Energy:** Efficient electric appliances use less energy, which reduces demand on our energy resources.
- **Clean Energy:** By switching to electric appliances, you can help reduce emissions and contribute to better air quality in your home and neighborhood. Unlike gas appliances, electric appliances do not create direct carbon emissions, which can harm the environment and contribute to climate change. Electric appliances instead use energy from our electric grid, which includes a growing amount of solar, wind and other clean energy.
- **Contribute to California's Climate Goals:** California has set a goal to become carbon neutral by 2045, with 85% reductions in emissions. By going electric and improving the energy efficiency of your home, you can play an important role in helping California achieve these ambitious goals.



Learn more about the benefits of an electric home.

Explore the SCE site for additional resources, programs, and incentives.

www.sce.com/home-energy-guide/electric-home

About Electric Appliances

People are increasingly opting for electric appliances because they outperform other options.

- **Heat pump systems** provide both heat and AC in one system, plus they can be 3-5 times more efficient than a traditional furnace. Instead of creating heat, heat pumps move heat from one space to another, which is what makes them so efficient. Heat pumps pull heat from the outdoor air and bring it inside when the heat is on and reverse the process when you switch to AC.
- **Heat pump water heaters** use the same heat pump technology to provide hot water for your home and are 2-3 times more energy efficient than conventional electric water heaters.
- **Induction stoves** use a magnetic field to directly heat your pots and pans, making them very efficient and safer. They look like other glass-top electric stoves but are 5-10% more efficient than conventional electric stoves and provide precision temperature control that can outperform gas stoves. They are also about three times more efficient than gas stoves and better for indoor air quality.
- **ENERGY STAR® certified electric clothes dryers** use 20% less energy than conventional models, helping you save on energy costs.

Small Changes Like These Can Help You Save Even More:

- **Use a smart thermostat.** Smart thermostats adjust the heating and cooling of your home based on your schedule, which can save you up to 10% on your energy bills each year.
- **Be smart about hot water.** Even with an efficient water heater, how much hot water you use can have a much bigger impact on your energy bill than turning off lights that are not in use. Using an efficient showerhead, washing clothes in cold water, and running full loads in the dishwasher can add up to savings on your energy bill.
- **Use energy when prices are low.** If you are on a time of use electric rate plan, energy prices are lower at some times than others. To save money, run your dishwasher, vacuum, or do laundry during off-peak hours when rates are lower – early in the morning, in the evening, overnight, or on weekends.



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