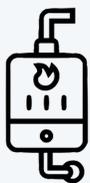


BENEFITS OF ELECTRIFICATION

HOW DO I ELECTRIFY MY HOME

Every gas appliance can be replaced with a modern, energy-efficient, all-electric alternative. Appliances that run on all-electric technologies such as heat pumps and induction are cleaner, safer, and higher-performing than their natural gas counterparts. Unlike traditional natural gas or electric resistance which work by generating heat, heat pumps simply move heat from one area to another. This allows them to use energy 3-5x more efficiently than their natural gas counterparts, saving you money, improving indoor air quality, and reducing your carbon footprint.



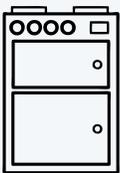
HOT WATER HEATING

Switch out your natural gas or electric resistance hot water heater for a Heat Pump Water Heater (HPWH) to save energy and decrease emissions. (Up to \$2,500 with Peninsula Clean Energy).



FURNACE / HEATING SYSTEMS

Air Source Heat Pumps can provide efficient heating and cooling for your home for reliable year-round comfort and energy savings. (Up to \$1,000 BayREN incentive)



COOKTOP / STOVE / OVEN

Upgrade your gas stove to an Induction Cooktop. Induction cooking uses electromagnetism to heat pots and pans, resulting in faster cook times, less wasted heat, and a safer healthier kitchen. (\$300 BayREN incentive)



CLOTHES DRYER

A Heat Pump Dryer can reduce energy use by at least 28% compared to standard dryers and is gentler on your clothes. (\$300 BayREN incentive)

BUILDING ELECTRIFICATION REQUIREMENTS & GOALS

According to the California Air Resources Board, 'Significant GHG emission reductions and improved air quality can be achieved through building decarbonization (i.e. electrification) without compromising functionality or comfort.'

- State of California Executive Order B-55-18: Achieve carbon neutrality as soon as possible, and no later than 2045, and maintain net negative emissions thereafter.
- Menlo Park Climate Action Plan: Menlo Park's 6 measure plan to achieve their city-wide goal of zero-carbon by 2030

RESOURCES INCENTIVES AND FINANCING

- Contact a [BayREN Home+ Energy Advisor](#) to get help finding qualified contractors, navigating rebates, learning about financing options, or to get free advice at any stage of your electrification project.
- Visit the [Switch Is On](#) to learn more about how and why you should electrify.
- Find affordable financing at [GoGreen Financing](#), administered by the State of California.
- [BayREN](#) offers incentives for installing highly efficient electric space heating, water heating, clothes drying and induction cooking appliances.
- These can be stacked with [utility rebates](#) and [federal tax credits](#) to maximize savings.

ELECTRIFICATION BENEFITS



HEALTH

Burning gas in household appliances produces harmful indoor air pollution that can increase the risk of, or exacerbate, asthma and other respiratory problems. Without proper ventilation, emissions from gas appliances – such as carbon monoxide – can even be deadly.



SAFETY

Natural gas is a hazardous and combustible material. Major gas leaks and explosions, such as those at Aliso Canyon and San Bruno, can be devastating and natural gas use in homes is responsible for almost half of residential house fires.



COMFORT

Air source heat pumps provide both heating and cooling, offering year-round comfort during warm summer months and during the cool winter.



EQUITY

All-electric new construction can reduce housing costs. For disadvantaged populations who spend a disproportionate amount of their income on energy, and are more likely to suffer from asthma due to poor indoor air quality, all-electric buildings are an opportunity to deliver social benefits.



RESILIENCE

Natural gas lines are a dangerous risk during wildfires or earthquakes. Compared to electricity, the gas system also typically takes much longer to be restored after a disaster-related outage, inspection or repair. When paired with solar panels and backup batteries, electric buildings can have power during grid outages.

COST SAVINGS

All-electric new buildings are less expensive to build than mixed fuel buildings as they do not require the installation of gas infrastructure such as pipes and venting. When paired with rooftop solar, new and existing all-electric buildings also benefit from reduced operating costs. In the future, gas prices are expected to rise, which will make all-electric buildings less costly to power than natural gas powered buildings. You can save even more by taking advantage of rebates offered by [Peninsula Clean Energy](#).



REDUCE YOUR CARBON FOOTPRINT

In California, buildings are the second largest source of greenhouse gas emissions. As electricity from the grid gets cleaner (moving to 100% carbon-free by 2045), emissions from all-electric buildings will eventually disappear. All-electric buildings that have rooftop solar or purchase 100% renewable electricity are zero-emission.