Additional Benefits of Going All-Electric

Improve Indoor Air Quality

- Natural gas stoves and appliances release carbon monoxide, nitrogen dioxide, formaldehyde, and other ultrafine particles that can affect respiratory health and cause other issues, such as headaches and nausea. Much of this depends on whether a ventilation system is used while cooking, and how effective the ventilation is. For more information go to: [https://ehp.niehs.nih.gov/doi/10.1289/ehp.122-a27](https://ehp.niehs.nih.gov/doi/10.1289/ehp.122-a27)
- A study conducted by the Lawrence Berkeley National Laboratory found that "60 percent of homes in the state that cook at least once a week with a gas stove can reach pollutant levels that would be illegal if found outdoors." Cooking with an induction or electric stove prevents much of this air pollution.

Enhance Earthquake Safety

- One in every four fires after and earthquake results from damaged gas lines. Help make your home safer and more secure in the event of an earthquake by going all-electric.

Reduce Greenhouse Gas Emissions

- The combustion of natural gas in homes and the commercial sector accounted for 12% of California emissions in 2017.

All-electric new construction single family homes and ADUs will run on 100% carbon-free electricity and produce zero carbon emissions due to Albany’s partnership with EBCE. Residents looking to retrofit their homes can electrify almost 90% of their natural gas use by adopting heat pump technology for space and water heating, drastically reducing GHG emissions in Albany from the burning of natural gas.
What It Means to Go All Electric
Learn about alternatives to your gas boiler, gas furnace, gas stovetop, and gas dryer.

Heat pump water heaters (HPWH) rely on condensation and evaporation processes to take heat from outside air to heat water. Because they only move heat, and do not generate it, they are 2-3 times more efficient than gas water heaters. While HPWHs are more expensive than their gas counterparts (typically $1100 compared to $300), switching to a HPWH can save over $3400 on your energy bill over the lifetime of the heater.

Heat pump space heaters replace gas furnaces, and can both heat and cool homes. Heat pumps move heat from outside air into your home to heat it, and take heat from inside your home out to cool it, and are 2-3 times more efficient than their gas-heater and air conditioner counterparts. There are many options for different types of heat pumps, and cost estimates vary widely.

Induction stovetops are a more energy efficient alternative to gas and standard electric coil stovetops. They create an electromagnetic field that heats compatible pots and pans. While they are generally more expensive than gas or electric stoves, the cost of many induction stovetops has come down significantly, and options start at $1000. Induction stovetops also improve indoor air quality, offer faster boiling times and more precise temperature control, and the stovetop is not hot to the touch.

Electric dryers are already very common. They are typically $50-100 cheaper than gas dryers, and cost savings for installation ranges between $150-200. It is important to note that electric dryers cost more to operate, though, at around 30-40 cents per load compared to 15-20 cents for a gas dryer. This may change, however, as natural gas will likely become more expensive in the future.