

Building Better: All-electric Homes for Los Angeles



March 2025

Los Angeles stands at a critical crossroads. As we rebuild from devastating wildfires, we face a major opportunity to rebuild all-electric homes of the future that are safer and healthier. All-electric homes are also cheaper and faster to build than gas-dependent homes. Today's homeowners are increasingly choosing highly efficient, modern equipment for cleaner, safer, and healthier living environments.

Cost Savings

In Los Angeles, all-electric homes cost [\\$3,000 to \\$10,000](#) less to build than mixed-fuel homes. Building an all-electric home is also [cheaper](#) than building a gas-dependent home in major cities across the U.S. This is because all-electric homes have lower equipment costs and avoid the costs of gas infrastructure and interconnection.

Incentives & Resources:

- The [Rebuilding Incentives for Sustainable Electric \(RISE\) Homes](#) program will offer \$10,000 to \$15,000 in incentives for building all-electric homes as well as pre-approved home designs to help reduce costs even further.
- [The Switch Is On](#), powered by the Building Decarbonization Coalition, provides free resources as well as incentive and contractor finders to help homeowners explore rebates, tax credits, financial assistance, and more to electrify their homes.
- [The U.S. Green Building Council California](#) will provide resources and matchmaking to connect affected communities with professionals to help build more sustainable, resilient communities.

Time Savings:

All-electric homes are faster to restore and construct in the wake of wildfire recovery and rebuilding. They don't require time-consuming gas utility restart services because of the automatic restoration of electrical safety breakers. All-electric homes also eliminate the need for complex installations, which can increase labor costs and extend construction times. Installing electrical wiring is also generally faster and more streamlined. Plus, since electric heat pumps can replace both a gas furnace and air conditioning system for heating and cooling, building all-electric can streamline installation and permitting, speeding the construction timeline.

Health & Safety:

All-electric homes are cleaner, safer, and healthier for households. Heat pumps don't generate toxic nitrogen oxides, carbon monoxide, or Particulate Matter (PM2.5)—risks associated with gas furnaces and water heaters. This pollution can worsen asthma, reduce lung function, and cause respiratory and cardiovascular problems, especially for vulnerable populations like children and the elderly.

Induction cooktops are also safer for families because they work by heating magnetic cookware directly through an electromagnetic field and don't rely on an open gas flame. Induction also eliminates indoor air pollution while gas stoves in California households are linked to 1 in 5 childhood [asthma](#) cases and produce concentrations of carcinogenic [benzene](#) comparable to secondhand smoke.

Since all-electric homes don't burn methane gas, they also eliminate the risk of gas leaks, which can fuel flames during wildfires.

Climate Resilience:

All-electric homes are constructed to meet quality building standards that help make homes resilient to climate change and extreme weather, including heat waves and wildfires. All-electric homes outfitted with heat pumps can maintain comfortable temperatures that [keep households safe](#) during extreme heat events. This is especially important in Los Angeles as heat waves are projected to [increase in frequency and intensity](#). Heat pumps also [filter indoor air](#) during [unhealthy air quality days](#) and reduce exposure to hazards like wildfire smoke.