

# UCLA

## Reports

### Title

Power Up South LA! Costs & Benefits of Gas Decommissioning & Building Electrification - Frequently Asked Questions

### Permalink

<https://escholarship.org/uc/item/8w51x2zq>

### Journal

self-published

### Authors

Yang, Sooji

Dunlap, Lauren

Pierce, Gregory

et al.

### Publication Date

2026



## Power Up South LA!

### Costs & Benefits of Gas Decommissioning & Building Electrification

#### FREQUENTLY ASKED QUESTIONS

##### What are the advantages of electrifying my home? |

**A**

Electrifying your home offers multiple benefits—especially when paired with high-efficiency appliances and weatherization measures. These benefits include:

**Cleaner air and better health:** Eliminating indoor gas combustion reduces air pollutants and improves indoor air quality and health. A [pilot study](#) in New York found that switching from a gas stove to an induction stove lowered nitrogen dioxide (NO<sub>2</sub>) levels by 35%. High levels of NO<sub>2</sub> contribute to asthma, respiratory infections, and lung and breast cancer.

**Lower energy costs:** On average, electrification can [reduce](#) the share of income spent on energy bills—known as energy burden—for very low-income households from 9% to 6%.

**Reduced environmental impact:** Building electrification drastically reduces greenhouse gas emissions from buildings—contributing to fewer extreme heat days and other weather-related events.

##### How much will gas decommissioning cost, and who will pay for it? |

**A**

The cost of removing gas infrastructure will vary depending on the scale and scope of the project. It generally will cost much less to [remove old gas lines instead of replacing them](#), but this requires the affected households to opt in and be fully electrified. When utilities decommission gas infrastructure, households do not pay for it directly. Instead, the utilities will recover costs through rate increases, increasing bills for the households that remain on the gas system.

##### How much will home electrification cost? |

**A**

Upfront costs vary depending on several factors:

- Characteristics of the home, such as its age, size, electric panel capacity, and more
- Electric appliances installed
- Any necessary upgrades and/or labor for installation
- The energy efficiency level of the appliances

However, as a general rule of thumb, low-efficiency electric appliances tend to have lower upfront costs and higher operational costs, while high-efficiency appliances have higher upfront costs and lower operational costs. Thus, high-efficiency appliances are recommended to maximize energy bill savings. According to an [L.A. case study](#), the

capital costs to purchase a low-efficiency electric appliance (e.g., furnace, water heater, stove, or clothes dryer) are higher than the typical gas technology by \$500 or more, while the capital costs of high-efficiency appliances (e.g., heat pump water and space heater, induction stove, and heat pump clothes dryer) are higher by \$9,000 or more.

*To estimate your specific costs and find available incentives, use [Rewiring America's Personal Electrification Planner](#).*

Incentives and financing options described below may help reduce these upfront costs.

## How will electrification affect my gas and electric bills? |

**A** Bill impacts will depend on your household energy use, appliance efficiency, and the extent of your electrification upgrades. Any type of electrification will likely reduce your gas usage and bills but will increase your electricity usage and bills. Installing low-efficiency appliances may [increase](#) energy burden, but high-efficiency appliances typically reduce energy bills overall.

L.A. residents can check out [L.A. Department of Water and Power \(LADWP\) financial assistance programs](#) to help reduce your utility bills, and [Rewiring America's Personal Electrification Planner](#) to see potential bill impacts for each electrification upgrade selected.

## What financial support options are there for single-family homeowners in Los Angeles? |

**A** There are federal, state, and utility incentives to help homeowners transition to all-electric homes, but the availability of these incentives may depend on your location, income level, and project type.



### LADWP Incentives

LADWP offers several clean energy and bill assistance programs to help encourage residential electrification. [Click here](#) to find suitable incentives under the Financial Assistance Programs and the Energy Conservation Programs.



### State & Federal Incentives

While the state provides a few rebate and energy retrofit programs, federal incentives mainly take shape as tax credits for clean energy upgrades. However, due to rollbacks on federal tax credits, they will expire by the end of 2025. [Click here](#) for single-family household incentives in South LA.



### Learn More with Redeemer Community Partnership

[Click here](#) to learn more about RCP and UCLA's Power Up South LA initiative and see targeted resources.

This FAQ was developed as part of [Power Up South LA](#), an initiative led by Redeemer Community Partnership in collaboration with the [UCLA Luskin Center for Innovation](#) to advance public health through home and community decarbonization in South Los Angeles.