



QuitCarbon

presents...

**Using Our Homes
to Combat Climate Change**
(while saving money!)



CLIMATE

Climate change keeps making v worse. Scientists call it the 'new

Heat Records Are Broken Around the Globe as Earth Warms, Fast

From north to south, temperatures are surging as greenhouse gases trap heat in the atmosphere and combine with effects from El Niño.

s surge to 100 degrees as ng event is found in some

ENVIRONMENT

Out-of-control wildfires in Canada force all 20,000 residents of Yellowknife to flee

Updated August 17, 2023 · 3:52 PM ET

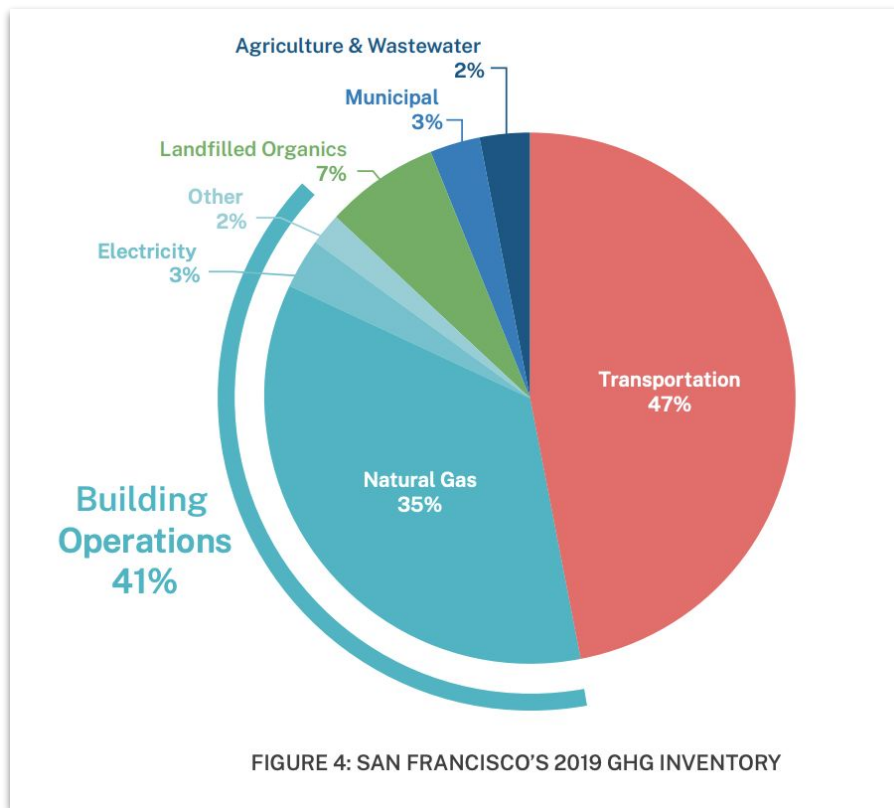
By Dustin Jones



Transitioning homes from fossil fuels to clean electricity is ***the number one*** way we **act against climate change.**

Our **homes** are part of the climate **problem**..

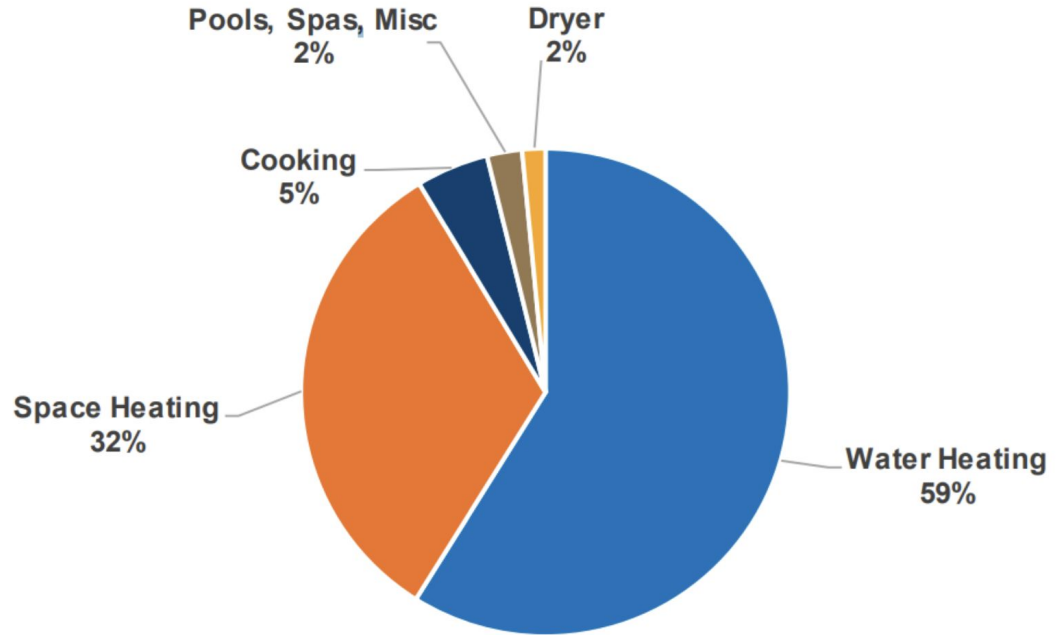
Sources of
greenhouse gas in
San Francisco



Source: [San Francisco Climate Action Plan](#)

...especially our **water heaters** and **furnaces**

Fossil gas usage in
California homes



Source: [California End Use Survey \(CEUS\)](#)



Electrification = Family and Community Health

GAS APPLIANCES IN BAY AREA HOMES AND BUILDINGS GENERATE MORE LUNG-DAMAGING NO_x POLLUTION THAN ALL OF THE REGION'S PASSENGER CARS.

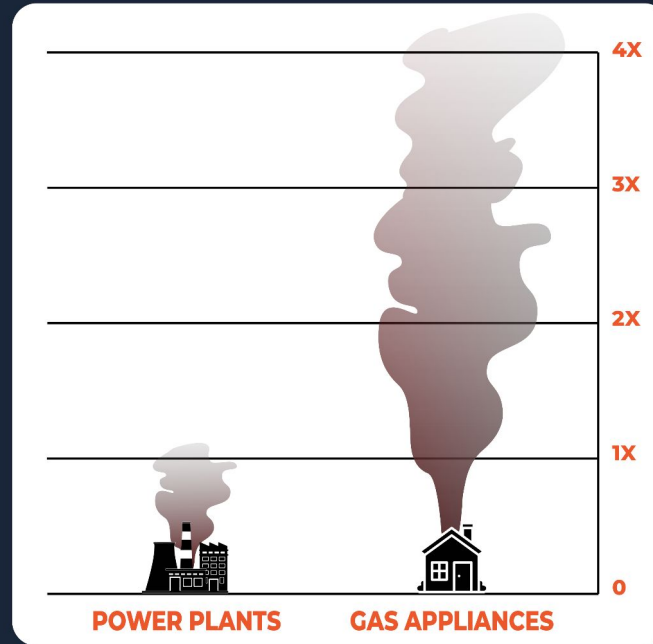


NO_x POLLUTION

Source: <https://www.sunstonestrategies.org/>



GAS APPLIANCES IN CALIFORNIA HOMES AND BUILDINGS GENERATE 4X MORE LUNG-DAMAGING NO_x POLLUTION THAN THE STATE'S GAS POWER PLANTS.





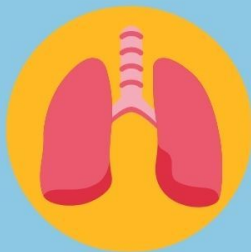
How Gas Stoves Harm Health

**POOR AIR QUALITY =
POORER HEALTH**

Gas stoves produce pollutants that increase risk of:



asthma



respiratory
illnesses



cardiovascular
disease

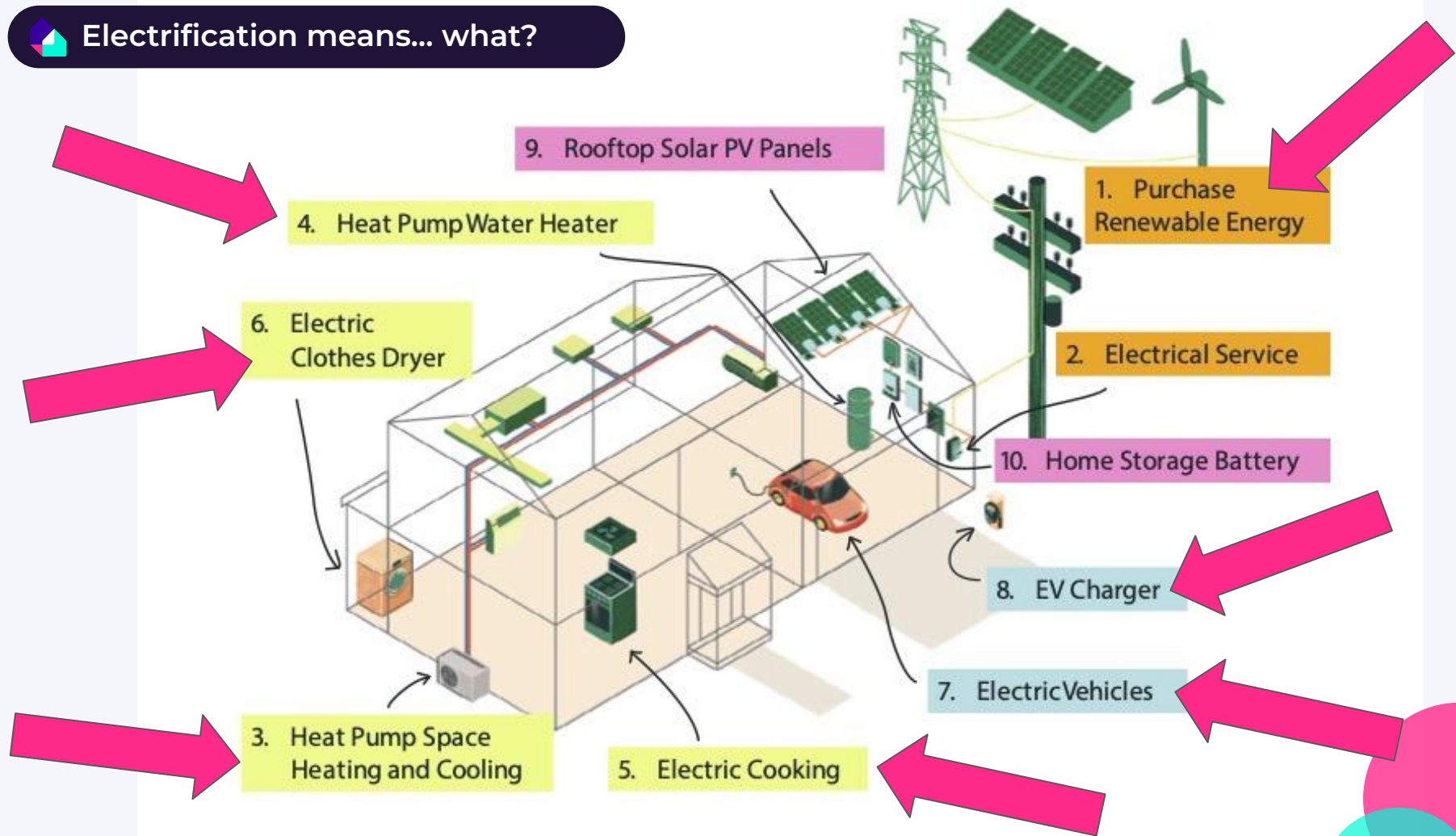
Research shows that children living in a home with a gas stove have a 42% increased risk of having asthma symptoms.



Transitioning homes from fossil fuels to clean electricity is ***the number one*** way we **act against climate change.**



Electrification means... what?



Gas water heater



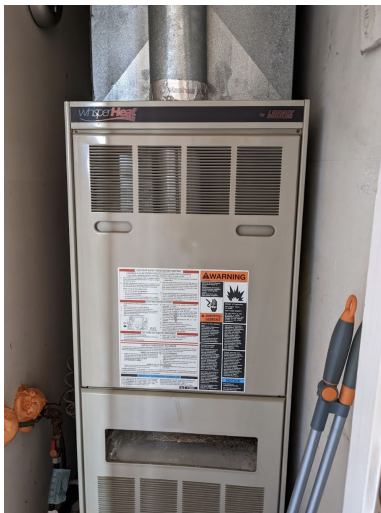
Heat pump water heater!





Electrification means... heat pumps

Gas furnace



Heat pump!





Electrification means... induction stoves

Gas stove 🙄



Induction!





Electrification means... lots more





Electrification means... solar & batteries?





Electrification means... solar & batteries?

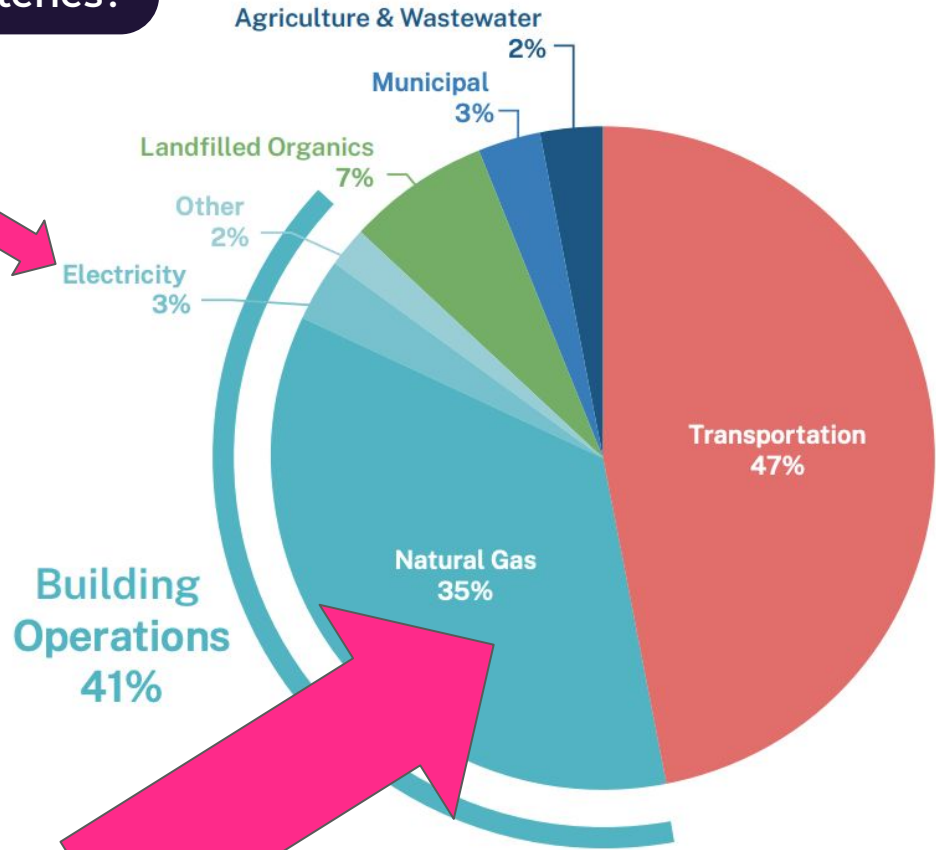


FIGURE 4: SAN FRANCISCO'S 2019 GHG INVENTORY



Solar & Batteries

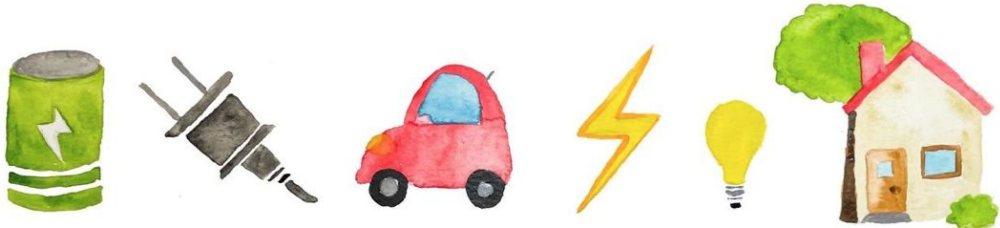
≠

**Meaningful, affordable
decarbonization***

* Widely true in California. Varies by time and place elsewhere.



Step 1: Plan



NICOLE KELNER

Home Electrification Plan for Wanda Watts - from QuitCarbon

🕒 Last edited time July 18, 2023 7:54 AM

🔗 URL Empty

📄 1 more property

Welcome to your electrification journey! We know that we have to make deep cuts to carbon emissions in the coming decade to avoid the worst impacts of climate change. The good news is that we know a lot about what it will take to achieve our carbon reduction goals — now we just need to start taking action. By embarking on QuitCarbon's planning process, you're taking



Step 2: Replace appliances



- **NO** to emergencies
- **YES** to early retirement!



Prompt replacement of harmful gas appliances is **always better** than “using them up”





Finding a Contractor

The ***right thing*** for a ***fair price*** from a ***reputable installer***.

- QuitCarbon referrals
- BayREN.org
- SwitchIsOn.org



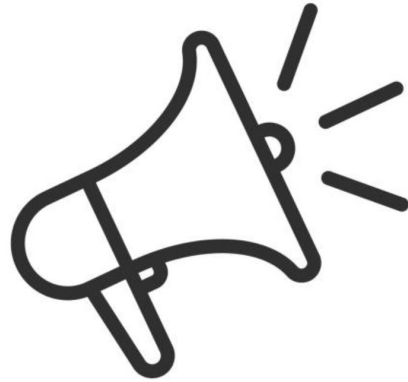


Step 3: Repeat, until...





Step 4: Help others!





Get paid to save the planet!

Old-fashioned: We have to *pay and sacrifice* to fight climate change

New reality: We get *paid and benefit* by fighting climate change!

\$9,000 estimate 🐱 😬 (HPWH example)
– \$7,700 in rebates! 🎉 🎊
= \$2,300 out of pocket
– \$2,500 utility bill savings (15 years)
= *you get paid \$1,200 to electrify!*

(Gas water heater = \$2,000 - \$4,000)

+ Better, safer, healthier homes,
communities and planet





- Home value
- Green financing (ask QuitCarbon!)
- Inexpensive options
 - 100% renewable electricity
 - Plug-in induction





- **Timing *matters*!** Now is *MUCH* better than later.
- Early purchases **develop the market**
 - ***Pulls demand*** from manufacturers and contractors
 - ***Reduces consumption*** of fossil gas, hastening the demise of the gas network
- Expands **the realm of the possible** for advocates, policymakers, and politicians
- Early adopters are ***powerful voices*** for more adoption
 - **“I electrified - it was great!”**



Take Action

Join QuitCarbon

[QuitCarbon.com](https://quitcarbon.com) - just a few minutes to get started

Help your Friends... join Quitcarbon

Do it with/for them? Sit with them, take photos, etc

Shift the Frame

If → *When*

Expensive → Get Paid to Help
Save the Planet

Solar & Batteries ≠ Decarb

Eyes on the Prize

Electrifying homes is the **single most important** thing anyone can do for the future of our planet



Awards and Validation



Winner of two *different* US Department of Energy prizes! **Equitable and Affordable Solutions to Electrification (EAS-E) Prize** and **Buildings UPgrade Prize**

Buildings UP
The Buildings Upgrade Prize



DoE - Better Buildings Residential Network Member

Selected for IMPEL 2023 Cohort

DoE tech-to-market program at LBNL



BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Invited Member - Bay Area Air Quality Management District (BAAQMD) Zero NOx Appliance Rules Implementation Working Group

Advising on first-in-the-nation upcoming ban on gas water heaters and furnaces

NET ZERO ACCELERATOR™

U.S. GREEN BUILDING COUNCIL LOS ANGELES

Decarbonization-focused with strong network
Southern California expansion



Let's quit... together!

We're your free, expert concierge
throughout the entire process, from
planning to contractors to rebates.

Get started at QuitCarbon.com!