

# Slashing Your Home's GHG Emissions: Where to Start

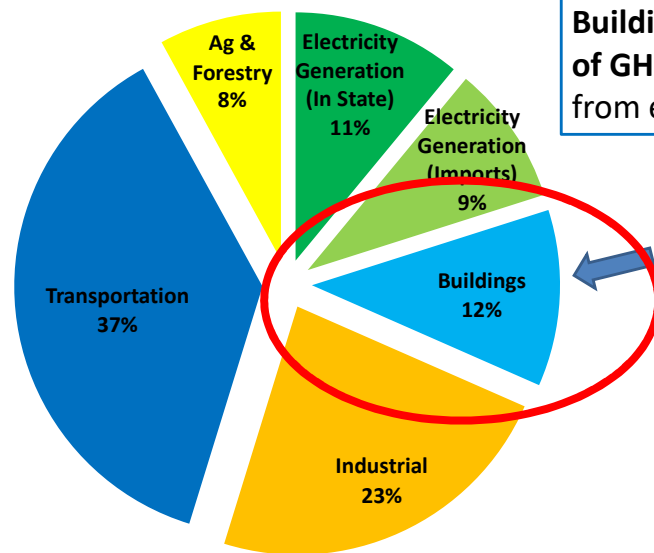
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# Context: Building GHG Emissions

Emissions from buildings higher than power plants



California GHG Emissions (2011-2015)



**Buildings = ~2<sup>nd</sup> largest source of GHGs (includes emissions from electricity use)**

Mostly from on-site combustion of gas for water heating and space heating. Emissions could ~double when including methane leakage.

**Total: ~444 MMtCO<sub>2</sub>e/year**

Source: CA ARB GHG Inventory; 5-average of emissions by economic sector

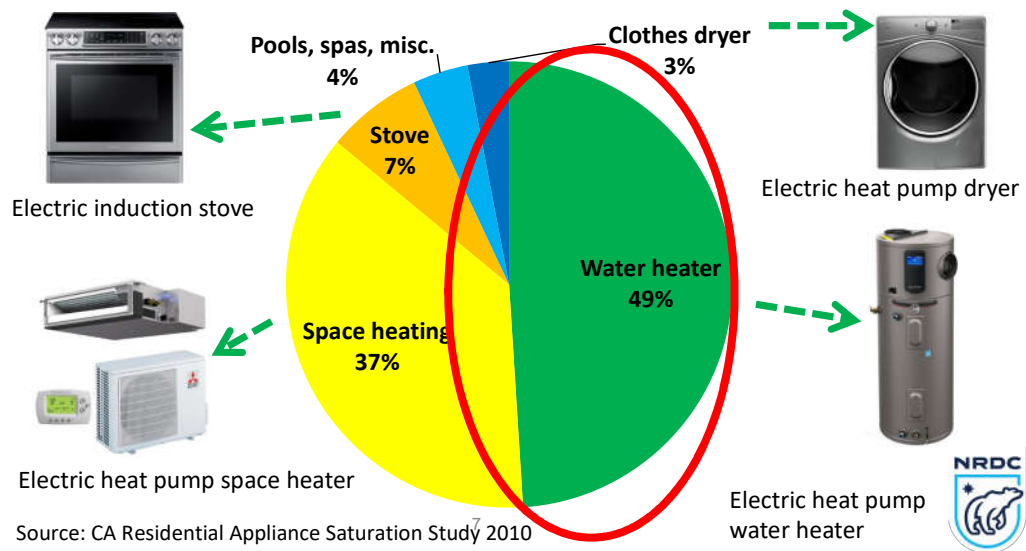


# What drives your house's emissions?

Electrification = clean alternative to gas appliances



## Household Gas Consumption in CA and climate-friendly electric options

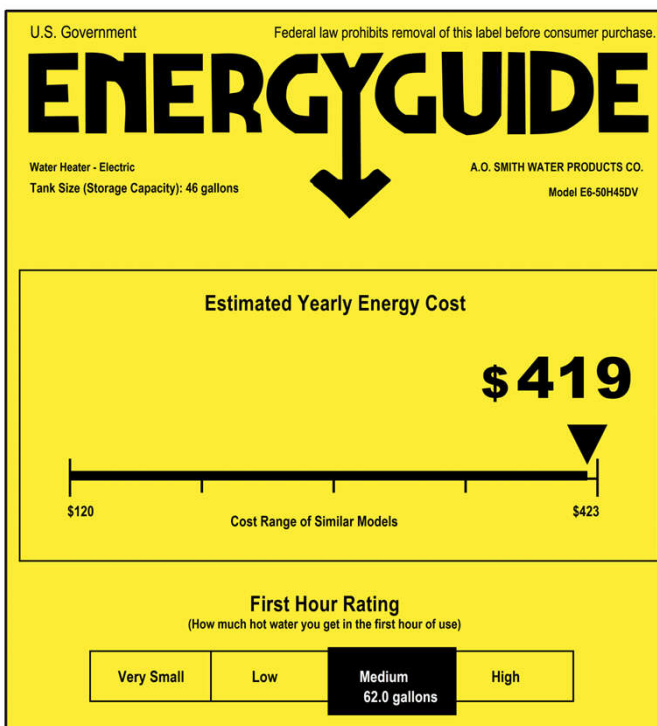
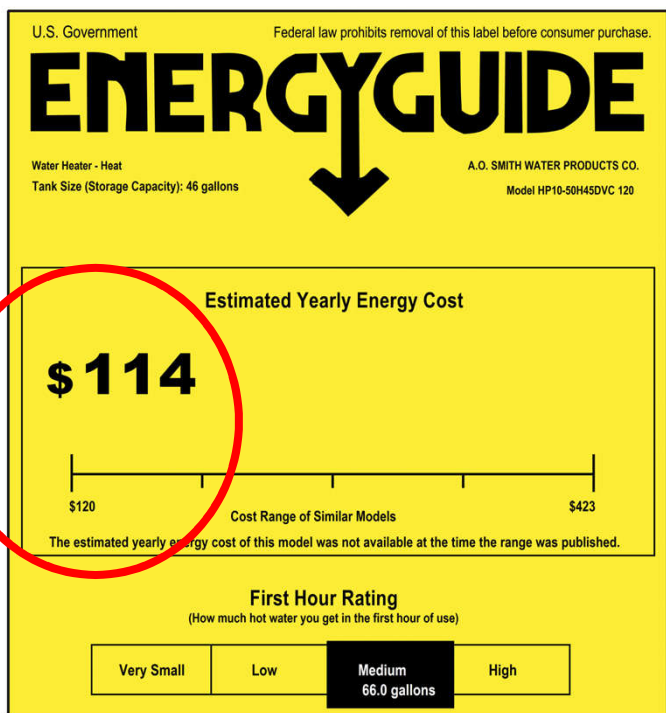


Do you have a “dryer outlet”?



Use that circuit to power a water heater!

# Specifically: an Electric Heat Pump Water Heater



## Help You'll Need

- Electrician
- Plumber familiar with Electric Heat Pump Water Heater installations
  - May be installation partner for store that sells water heater
  - Look for someone that offers pre-installation readiness assessment

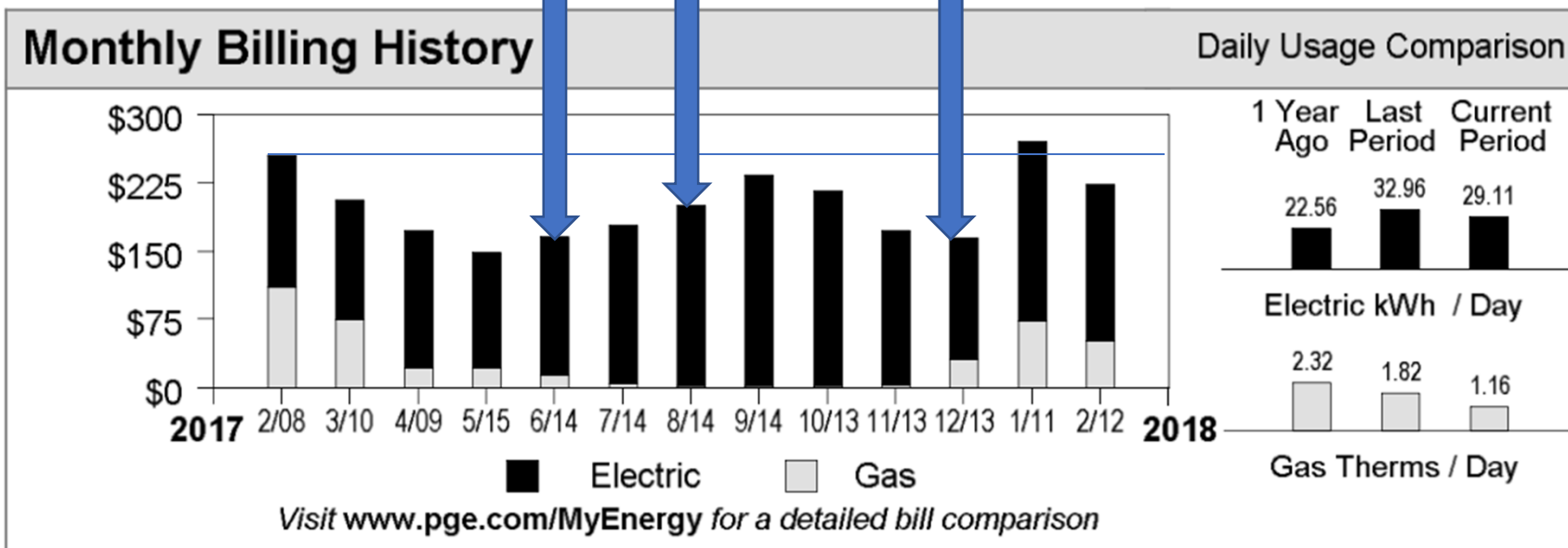
# Results So Far: Latest PG&E Bill

6/14: Induction range

6/21: Electric heat pump water heater

8/11: Electric Heat Pump Dryer

12/5: 2<sup>nd</sup> EV



## Lots more to do!

- You need to start somewhere; start with a high-impact change!
- Relatively quick and cheap
- Minimal lifestyle impact
- Look at electric vehicles next