



Induction Stoves Agenda

February 6th , 6pm

1. **Going Electric Overview & Induction 101**
2. **Rebates & Incentives**
3. **Resources to check out**
4. **Q&A**

RESILIENT HOME WEBINAR SERIES



**Go Solar Now with New
Rebates**
Monday, Jan 9 @ 6 pm



**All About Heat Pumps &
Water Heaters**
Monday, Jan 23 @ 6 pm



**Induction Stoves:
Greener, Better, Healthier**
Monday, Feb 6 @ 6 pm

<https://www.sl2050.org/resilienthomerecordings>



**Greywater Basics:
Laundry to Landscape + Rainbarrels**
Monday, Feb 20 @ 6 pm

SAN LEANDRO 2050

In Partnership with





Local Governments Empowering Our Communities

Induction Cooking 101

Chris Hunter, StopWaste
February 6th, 2023

Agenda

- Intro
- Why electrification?
- What is Induction/How Does it Work
- Benefits of Induction
- Rebates + Resources

Who is StopWaste?



- Countywide public agency with 17 member agencies representing Alameda County, its 14 cities, and 2 sanitary districts
- Outreach & education for residents and businesses
- Key Programs:
 - Enforce Mandatory Commercial Recycling & Composting Law
 - Food Waste Reduction and Home Gardening
 - Household Hazardous Waste
 - K-12 Environmental Education
 - Green Buildings & Energy Council
 - Support Member Agency Staff
 - ...and more!



The Bay Area Regional Energy Network (BayREN)

BayREN is a highly effective and trusted group of local governments that deliver targeted, integrated, and regional-scale climate solutions focused on energy, water, and resilience.

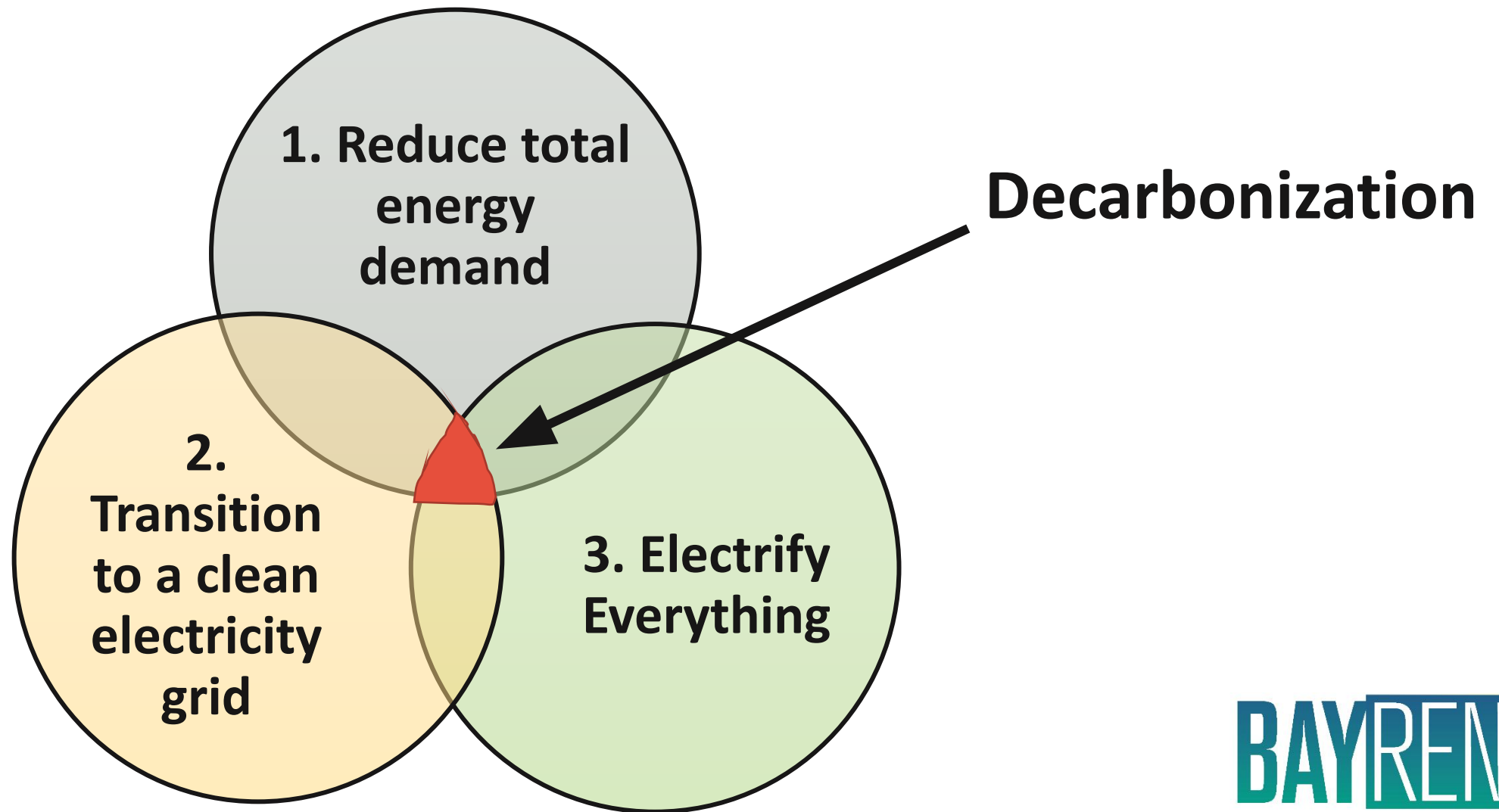


The Future is Electric



BAYREN

Getting to a Zero-Emissions Energy Sector



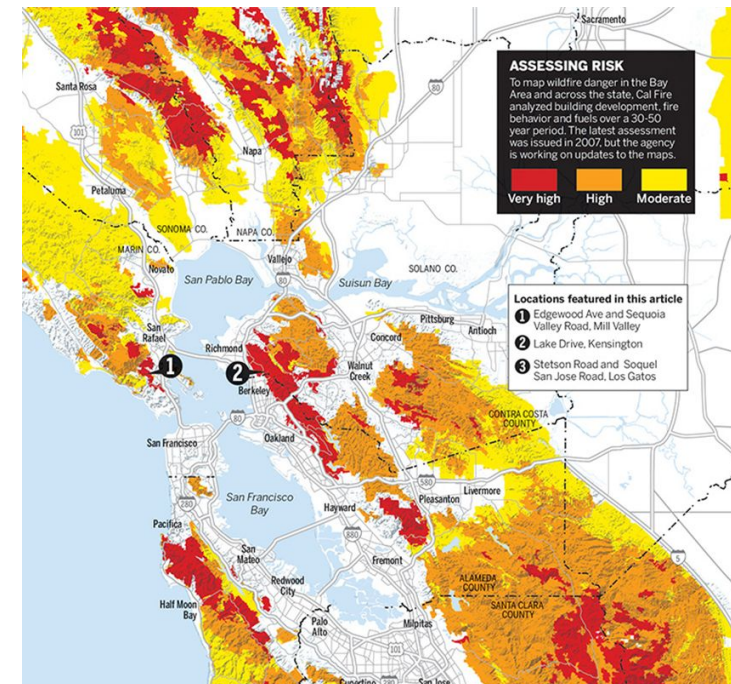
Electrification Policy

- San Leandro currently developing all-electric “reach code” for new construction
- Some jurisdictions considering strategies to electrify existing building stock
- CA to ban sale of new gas furnaces and water heaters in 2030 – could be sooner in Bay Area



What Does This Mean?

- Time-of-Use (TOU) Electricity Rates
- Gas prices = more unpredictable in short-term, more expensive relative to electricity in long-term
- Need for resilience:
 - Power shut-offs / PSPS events
 - “The Big One”
 - Indoor air quality
 - Extreme heat



Non-Climate benefits of an all-electric home

Health

- Burning natural gas emits harmful indoor air pollutants into the home that can cause or worsen asthma and other respiratory issues

Safety

- Zero risk of gas leaks or explosions
- Reduced risk of burns

Comfort

- Heat pumps provide dual heating and cooling
- Electric appliances can be quieter than gas and produce less residual heat

Utility bill savings

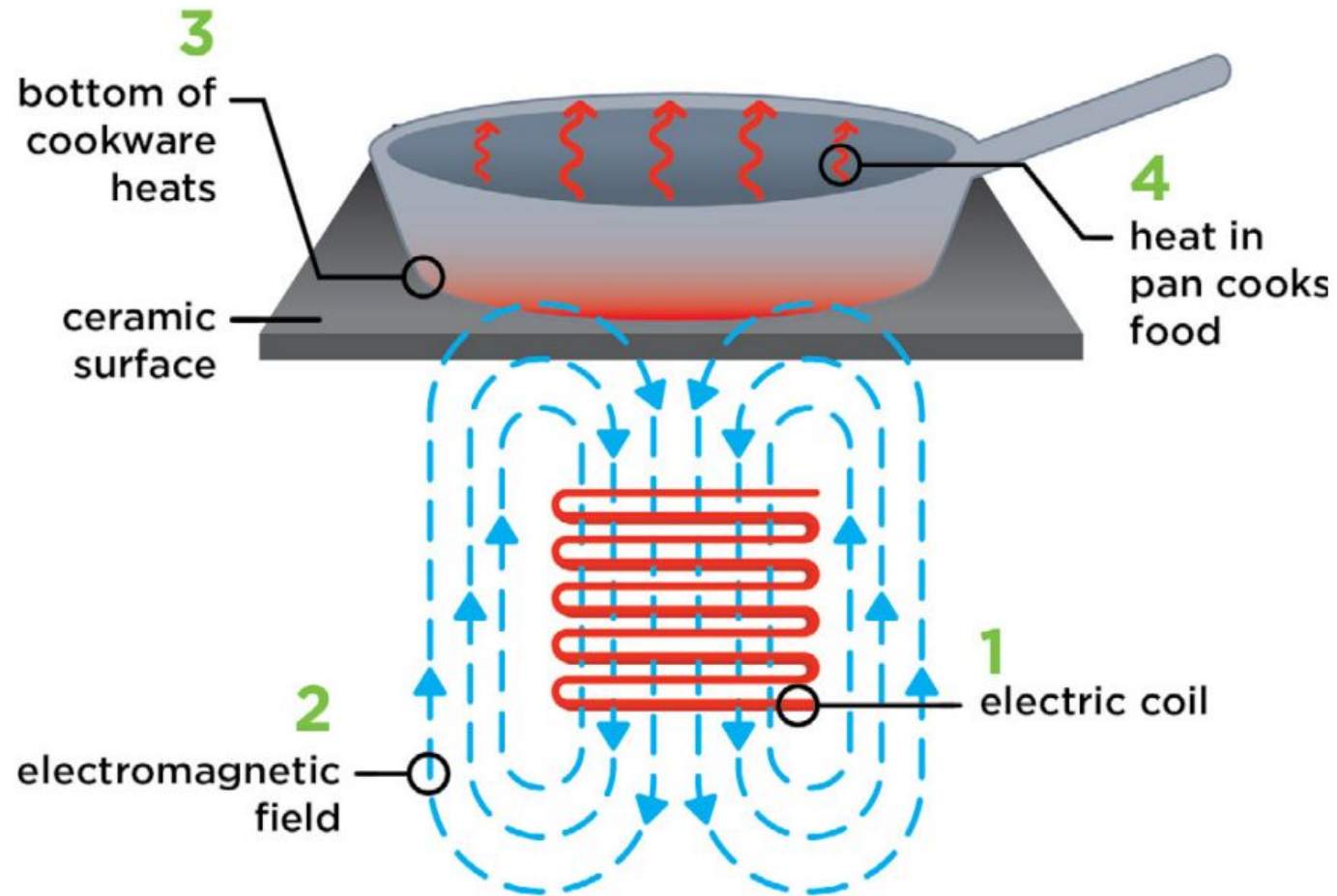
- Heat pumps are 3-5x more efficient
- Leverage off-peak TOU pricing
- Pair with solar + storage to generate your own electricity

Induction Cooking 101

How does induction cooking work and what are its benefits?




Induction: Cooking with Magnets



Professional Chefs Making the Switch



Gas Stoves and Childhood Asthma

A photograph of three children crouching on a grassy lawn in front of a school building. The building has a large mural on its wall that reads "Every Child One Voice" and features colorful flowers and a bird. The children are smiling and making peace signs. One child is wearing a pink jacket, another a pink shirt, and the third a denim jacket. A wooden planter box with some plants is in the foreground.

A new study found that over 20% of childhood asthma cases in CA are attributable to gas stoves

*“Children in a home with a gas stove have a **24–42% increased risk of having asthma.**”*

- Rocky Mountain Institute, 2020

*“Studies of comprehensive energy, health, and safety retrofit programs found that for children with asthma, **hospital admissions fell by nearly 85 percent and emergency room visits by 68 percent** a year after the upgrade.”*

- Rocky Mountain Institute, 2016

Benefits of Induction



Efficiency

- Very little heat is wasted, unlike gas or electric coils



Healthier

- No harmful air pollutants are released



Speed and Precision

- Can boil a pot of water in half the time, and you can set precise temperatures



Safer

- Reduced risk of burns



Easy to Clean

- Simply wipe it down when you're done

Rebates and Resources

Simple ways to a healthier,
more efficient and
comfortable home



BayREN Home+ Program

- Up to \$5,000 in rebates for energy efficiency upgrades
 - Includes weatherization & building shell measures, heating and cooling systems, water heaters, induction cooktops and other consumer appliances
- No-cost Home Energy Advisor service
- Network of trained participating contractors
- [Learn more: www.BayREN.org/homes](http://www.BayREN.org/homes)

\$750 Rebate for Switching to Induction

1. Create an account at bayren.myrebateportal.com/
2. Confirm eligibility and take photo of existing appliance
 - a. Must own home built before 2016 and located in 9-county Bay Area, and have an active PG&E account
 - b. Must replace existing gas range or cooktop
3. Purchase and install induction range or cooktop
4. Upload the following:
 - a. Photo of old appliance
 - b. Photo of new appliance
 - c. Copy of appliance purchase receipt with model number
 - d. Information on electric panel or other infrastructure upgraded to accommodate new electric appliance
5. Receive rebate check via mail





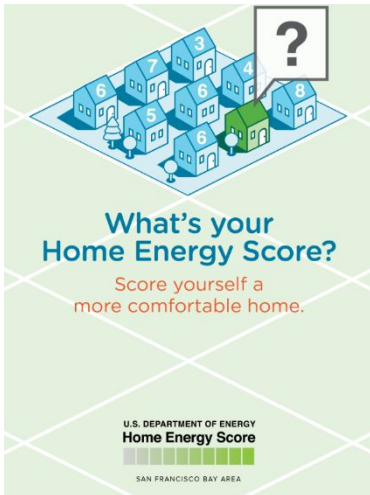
Home Energy Advisor

- Free, unbiased advice for completing your Home Upgrade
- Technical and programmatic experts
- Assistance finding a Participating Contractor
- Referrals to complementary programs

(866) 878-6008
advisor@bayren.org
www.bayren.org/energy-advisor

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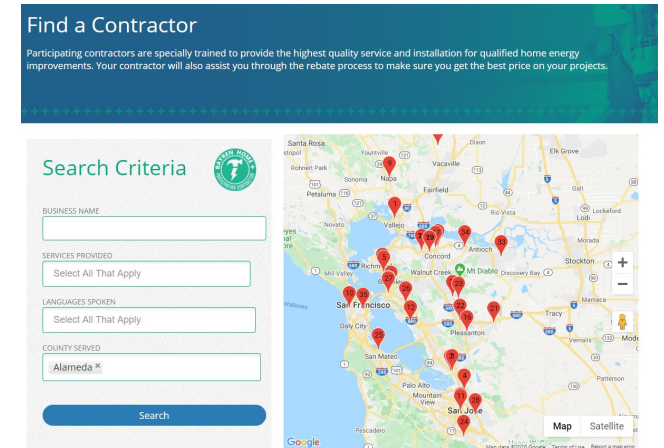
Getting Started



Get a Home Energy Score
www.bayren.org/hes



Contact an Advisor
866-878-6008
advisor@bayren.org



Find a Contractor
[www.bayrenresidential.org/
find-a-contractor](http://www.bayrenresidential.org/find-a-contractor)

Questions? Reach me at chunter@stopwaste.org or (510) 891-6567



Test run an induction cooktop!

- EBCE and Acterra are offering an **Induction Cooktop Lending Program** for East Bay residents
- Kits include:
 - Portable plug-in induction cooktop
 - Induction compatible pan
 - Cooktop operating instructions
 - Recipes
 - Carrying bag
- Pick up and drop off at your neighborhood library
- Try it out for 3 weeks!
- Reserve your free kit now:
<https://ebce.org/induction-cooking-apply/>



Questions?

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