



ELECTRIC HOME SHOW[®]





CleanTechnica's mission is to catalyze the clean tech revolution through high integrity journalism.



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Get an audit and find out how much you can save

Home Efficiency Service Proposal

Green your property and save! Here's your estimated savings summary if you work with us.



This efficiency job should pay for itself in just...
3 months!

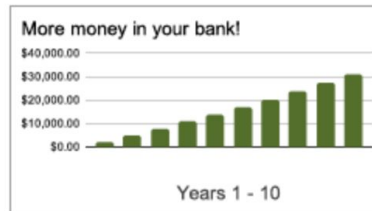
\$2,633.79

Year 1 Savings!

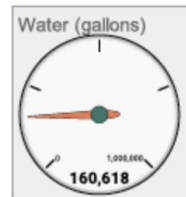
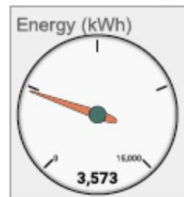
Proposed cost:

\$550.00

In ten years, you could have
\$31,622
more in your bank!



But that's not all you're going to be saving! Every year, you could save....



6,217 pounds of CO2

Estimate prepared for:
Smart customers!

Sign below to accept this proposal!

Sustainability: Delivered



Customer signature: _____

Date: ___/___/___

Guaranteed results!

HomeEfficiency.com/virtual-audit/



...and a prioritized upgrade list

HomeEfficiency.com/virtual-audit/

Recommendations



Here's what we believe are your best bang-for-the-buck options

Analysis and recommendations		Link for more info	Payback period (years)	
Top recommendations (in order, best at the top)				
	VFD Pool pump	We highly recommend this upgrade once you start using your pool again. You can see up to a 76% reduction in your energy use by your pool. With energy savings and the Hawaii Energy rebate available, this one pays for itself extremely quickly. This is a massive savings and no brainer in our opinion.	LINK	0.1
	Refrigerators	Your main fridge and mini fridge in the rental fairly energy efficient and there is no need to replace them. The unused fridge in the entrance has poor efficiency ratings and we recommend continuing to not use it. Hawaii Energy has a program where they will haul your unused fridge away and pay you \$75 for it. We think this is a good option for yours.	LINK	
	Heat pump water heater	We recommend a heat pump water heater to replace the water heater in your home. For the amount of people living in your home it is sufficient for your needs. If you have more than 1 tenant move in, it might be more worthwhile for you to have a SWH system with a timer.	LINK	3.7
	Heat pump dryer	Since you have 3 dryers around and assuming they are functioning properly, it may not be worth your while to upgrade to a heat pump model quite yet given the long payback period. All of your dryer models are rated nearly the same in terms of energy use so you could switch to any other one when they break down without seeing any significant differences in usage	LINK	4.7
<small>*All calculations are best estimates. Individual results may vary.</small>				
Other recommendations and notes				
	Solar PV	Get solar PV and eliminate the rest of your electric bill!	LINK	
	AC Upgrades	Your mini split system is quite outdated. If you decide you will start using it, we recommend having it maintained. Hawaii Energy offers a rebate for this service. If you end up using the AC a lot, it might be better to outright buy new equipment since it is likely 30%+ more efficient than yours. Since the refrigerant lines are already installed you will save a lot of money on an install of new system components. If AC use will be limited for you, it might be most cost effective to get new Energy star rated window units.	LINK	
	Whole house fan	Much more efficient than AC, plus it's fresh air. In your home, this upgrade might be just the ticket to cooler summer nights. Click the link to learn more.	LINK	

Benefits of all electric homes

- More energy efficient overall
- Can be 100% clean energy
- Less expensive to build
- Job creation - 8:1 ratio vs gas
- Very positive effect on low income residents
- Gas infrastructure costs are going to keep rising



PROGRESS

⚡ BEGINS AT HOME ⚡

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- **Healthier homes!**



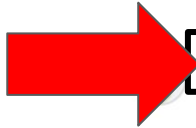
PROGRESS

⚡ BEGINS AT HOME ⚡

Is electrification healthier?



study natural gas cooking home health children asthma

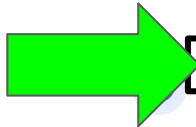


American Gas Association

<https://www.aga.org> › News Releases

World Health Organization funded study finds gas stoves ...

May 2, 2024 — Heating and **cooking** with **natural gas** stoves is not associated with **asthma** in children or adults according to a recent major study.



National Institutes of Health (NIH) (.gov)

<https://pmc.ncbi.nlm.nih.gov> › articles › PMC9819315

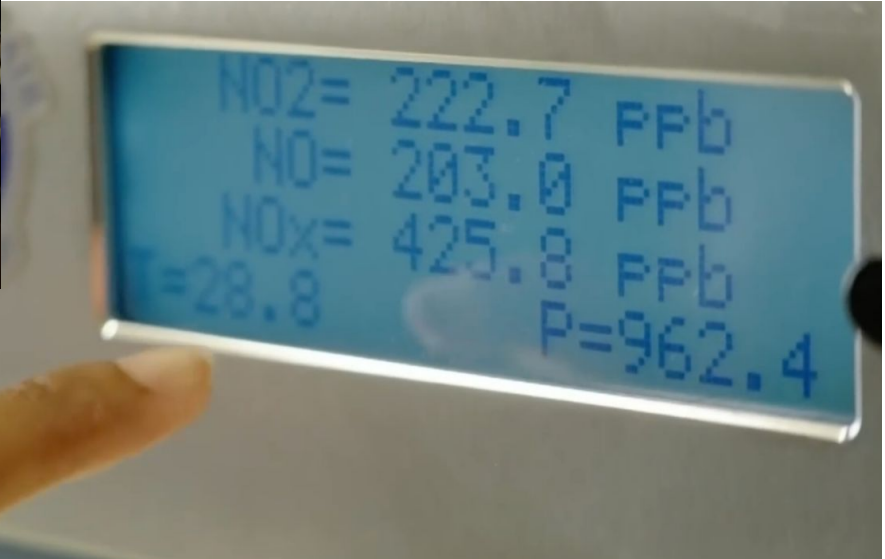
Population Attributable Fraction of Gas Stoves and ...

by T Gruenwald · 2023 · Cited by 66 — Indoor **gas stove** use for **cooking** is associated with an increased risk of current **asthma** among **children** and is prevalent in 35% of households ...

Natural gas appliances release

- Benzene
- NOx
- Formaldehyde
- Carbon monoxide
- Particulates

..into a home. Exhaust hoods DO NOT solve this.



[LINK 1](#)
[LINK 2](#)

Challenges in electrification

- Infrastructure (e.g., 220s)
- Full retrofits can be expensive up front

Partial retrofits can be inexpensive and effective



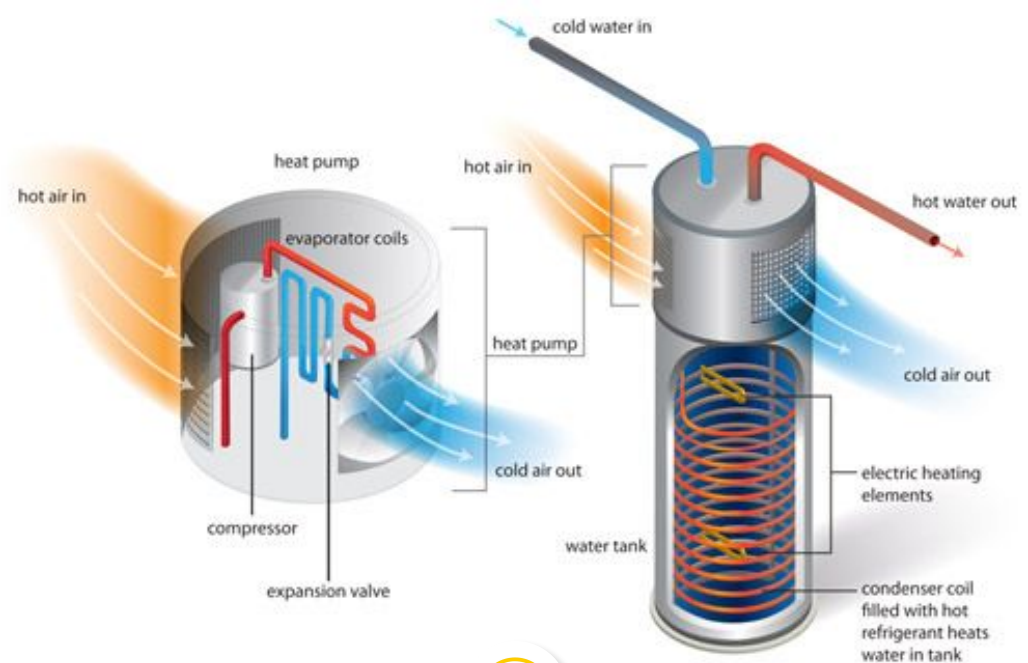
PROGRESS

⚡ BEGINS AT HOME ⚡

Heat pump technology

- Works by recirculating heat (e.g., clothes dryer exhaust) and moving heat from the surrounding air
- **Huge gains in efficiency!**
E.g., HP water heaters are 2-3x more efficient than electric resistance
- Performance slightly reduced in extremely cold environments (e.g., Alaska in the winter)

[LINK](#)



Heat Pump Technology

⚡ WINNER ⚡

Heat pump appliances



HVAC



Clothes dryers

Water heaters



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A Heat Pump Water Heater Is The Energy Saving Equivalent Of 7 Solar Panels & Costs $\frac{1}{6}$ the Price

[LINK](#)

Induction cook stove benefits

- Precision temperature control
- Perfectly even heating
- Less expensive than gas
- Long lasting
- Climate champion
- No indoor pollutants

Induction cook stove drawbacks

- Doesn't work with some uneven, older pots and pans
- Conversion costs for full remodel (however...see next page!)

Induction Cookstoves

⚡ WINNER! ⚡



Countertop induction cookstove models can eliminate natural gas for under \$100!!

Remove or just cover natural gas cooktops with a safe, thermal insulating surface, and use a countertop induction burner instead!

[Shop induction cookstoves](#)

[Shop induction cookware](#)



Electric Lawn Equipment

Replace loud, polluting, dirty lawn care equipment with quiet, clean, powerful, and effective electric alternatives.

- Mowers
- Weedwackers
- Hedge trimmers
- Leaf blowers

[Shop Lawn equipment](#)

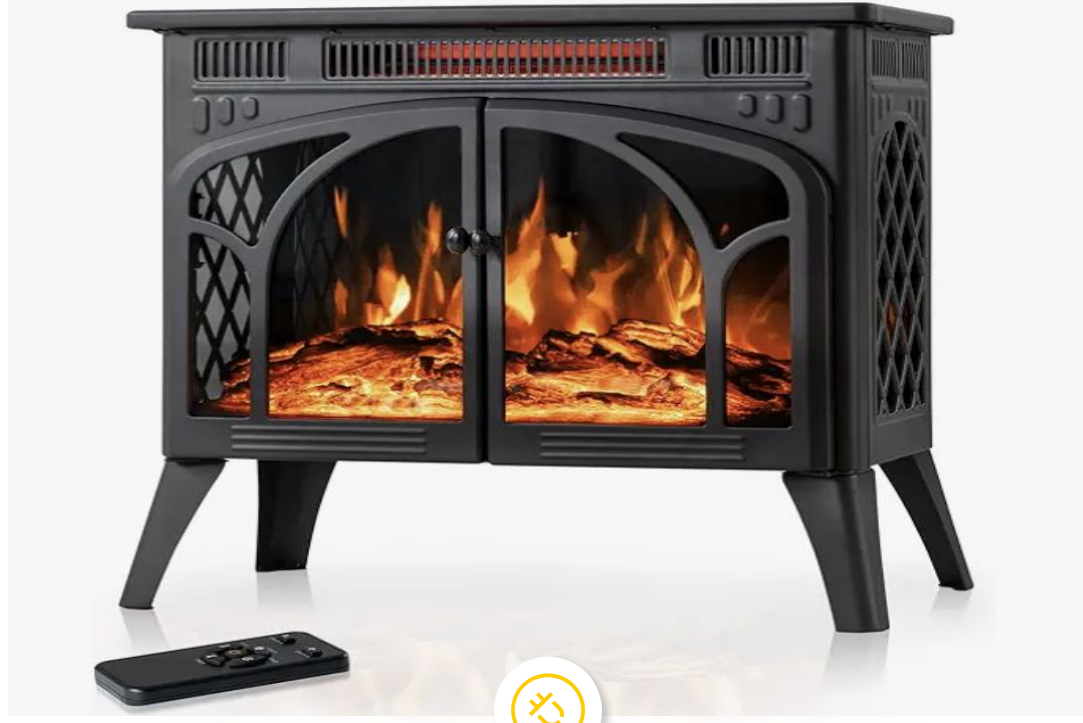


Yard Maintenance

Electric beauty and warmth

- Eliminate gas and wood fireplaces.
- Electric fireplaces are MUCH better for indoor air quality
- ...and much more efficient

[Shop Electric fireplaces](#)



**Electric
Fireplaces**

Electric outdoor fun

- Eliminate gas and charcoal BBQ grills.
- Dial in the temp exactly as you want, with NO FLUCTUATIONS.
- Rapid pre-heat.

[Shop Electric BBQ grills](#)



Electric BBQ Grills

Portable Power Stations

- Eliminate gas generators for backup/emergency needs!

[Shop Portable Power Stations](#)



Portable Power Stations



EXPERIENCE

⚡ TO TOUCH IS TO LOVE ⚡

COMING SOON TO A CITY NEAR YOU!

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