



WEB SEARCH IN A WORLD OF AI:

WHAT WILL CHANGE FOR CONTRACTORS
AND THE CUSTOMER JOURNEY?

Peter Troast, Founder & CEO


May 10, 2023

What We'll Discuss

- 1 THE AI & CHATBOT LANDSCAPE TODAY
 - Open AI's chatGPT
 - Microsoft's Bing
 - Google's Bard
 - Specialty AI Products
- 2 ANTICIPATING ITS IMPACT ON HOW HOMEOWNERS FIND CONTRACTORS
- 3 INTEGRATED SEARCH & AI CHAT—A LOOK AT BING
- 4 PREPARING FOR A BRAVE NEW WORLD



Ongoing Focus on the Implications of AI



**THINKING ABOUT AI IN
HVAC & HOME
PERFORMANCE:**

VIRTUAL ASSISTANT'S IN THE FIELD
FOR COMPLEX BUILDING SCIENCE

Peter Troast, Founder & CEO

March 29, 2023

Future Webinars

- AI Chat for Your Website
- Website “Optimization” for Language Models
- Continued Testing of Virtual Assistant
- and More



THE CHAT & AI LANDSCAPE





November 30, 2022 (GPT3)
March 4, 2023 (GPT4)



February 7, 2023



March 21, 2023





Text

MARKETING

copy.ai Jasper Writesonic Ponzu frase

copysmith Midjourny Moonbeam Berthai

anyword Hypotenuse AI Clickable letterdrop

Simplified Peppertype.ai Omneky CONTENDA

AI ASSISTANTS

Andi Quickchat

SUPPORT (CHAT/EMAIL)

Cohere KAIZAN™

Typewise

CRESTA XOXKind

KNOWLEDGE

glean mem YOU

GENERAL WRITING

Rytr wordtune Subtxt

LEX sudo write LAIKA

NovelAI WRITER COMPOSE AI

OTHERSIDEAI

SALES

LAVENDER Smartwriter.ai

Twain Outplay Reach

regie.ai Creatext

OTHER

Character.AI AI DUNGEON KEYS

MODELS: OPENAI GPT-3 DEEPMIND GOPHER FACEBOOK OPT HUGGING FACE BLOOM COHERE ANTHROPIC AI2 GPT-NEOX GPT-J AI21 ALIBABA, YANDEX, ETC.

Video

EDITING/GENERATION

runway Fliki Dübverse Opus

PERSONALIZED VIDEOS

tavus synthesia Hour One. Rephrase.ai Colossyan Mario

MODELS: MICROSOFT X-CLIP META MAKE-A-VIDEO

Image

IMAGE GENERATION

MidJourney OpenArt

craiyon PLAYGROUND

WOMBONAI PhotoRoom

>ROSEBUD.AI alpaca

Lexica Nyx gallery

mage.space KREA artbreeder

CONSUMER/SOCIAL

MidJourney

MEDIA/ADVERTISING

SALT THE CULTURE DAO

DESIGN

Diagram uizard

VIZCOM Aragon

Poly maket

INTERIOR AI CALA

MODELS: OPENAI DALL-E 2 STABLE DIFFUSION CRAZYON

Code

CODE GENERATION

GitHub Copilot

replit GhostWriter

tabnine

MUTABLEAI

TEXT TO SQL

AI 2sql™

seek

WEB APP BUILDERS

Debuild Enzyme

durable

DOCUMENTATION

Mintlify Stenography

OTHER

excel/formulabot

MODELS: OPENAI GPT-3 TABNINE CODEGEEEX

Speech

VOICE SYNTHESIS

RESEMBLE.AI broadn

WELLSAID coqui

podcast.ai descript overdub

Fliki Listnr

REPLICA VOICEMOD

MODELS: OPENAI

3D

3D MODELS/SCENES

mirage CSM

MODELS: DREAMFUSION NVIDIA GET3D HDM APPLE ML

Other

MUSIC

SPLASH Mubert

Aiva Technologies Endel

boomy Harmonai SONIFY

GAMING

AI DUNGEON

RPA

Adept mayā

AI CHARACTERS/AVATARS

Character.AI inworld

The Simulation OASIS

BIOLOGY/CHEMISTRY

Cradle

VERTICAL APPS

Harvey

MODELS: OPENAI JUKEBOX



Stunning Adoption

Time Needed For Online Services Reaching One Million Users

Online Service	Launched	1 Million Users Reached
ChatGPT	2022	5 Days
Instagram***	2010	2.5 months
Spotify	2008	5 months
Dropbox	2008	7 months
Facebook	2004	10 months
Foursquare***	2009	13 months
Twitter	2006	2 years
Kickstarter*	2009	2.5 years
Airbnb**	2008	2.5 years
Netflix	1999	3.5 years



Dialogue Based Search is More Innate in Human Linguistics



Briefly, why should I consider electrifying my home



There are several compelling reasons to consider electrifying your home:



1. **Environmental Impact:** Electricity, especially when sourced from renewable energy, is cleaner than burning fossil fuels for heating and cooking. It can help reduce your carbon footprint and contribute to the fight against climate change.
2. **Efficiency:** Electric appliances are often more energy-efficient than their fossil fuel counterparts. For example, heat pump systems for space and water heating are typically much more efficient than natural gas or oil furnaces.
3. **Health and Safety:** Electric appliances eliminate the risks associated with gas leaks and carbon monoxide poisoning. Additionally, electric stoves and ovens do not emit combustion pollutants, which can improve indoor air quality.
4. **Future-Proofing:** As the grid becomes increasingly powered by renewable energy, homes will need to transition to electric systems. Electrifying your home now can help you stay ahead of this curve.
5. **Cost Savings:** While the initial cost of electric appliances might be higher, the operational costs are often lower due to their higher efficiency. In regions with favorable electricity rates, or with home solar power, the cost savings can be significant.
6. **Simplicity and Integration:** An all-electric home can be simpler to maintain with fewer different systems. It also allows for seamless integration with smart home technologies, enhancing your control over your home's energy use.

Remember, the benefits will depend on your specific situation, including your local climate, electricity prices, and how your electricity is generated. It's also important to consider the upfront costs and potential home modifications needed to transition to an all-electric home.



OK, thanks for that. But are there characteristics of a home that would make it more or less eligible for electrification



Yes, there are several factors that can impact how suitable a home is for electrification:



1. **Age of Existing Appliances:** If your appliances are nearing the end of their life or need expensive repairs, it might be a good time to replace them with electric versions. However, if you have recently purchased new gas appliances, you might prefer to use them for their full lifespan before switching.
2. **Climate:** Homes in milder climates can benefit more from electric heat pumps, which are most efficient in such conditions. In colder climates, although modern heat pumps can still operate at lower temperatures, their efficiency drops, which might necessitate supplementary heating systems for the coldest days.
3. **Electricity Rates and Sources:** If electricity is expensive in your area, or if it's primarily generated from coal or other high-carbon sources, the economic and environmental benefits of electrification may be reduced. Conversely, homes in areas with cheap, clean electricity or potential for solar power are excellent candidates for electrification.
4. **Home Insulation:** Well-insulated homes retain heat better, reducing the heating load and making heat pumps more effective. If your home is poorly insulated, it might be worth improving insulation before or alongside electrification.
5. **Existing Infrastructure:** Homes that already have some electric infrastructure (like an electric water heater or electric stove) might find it easier and cheaper to transition to fully electric. Homes without existing infrastructure might need significant electrical upgrades to handle the increased load, which could add to the cost.
6. **Local Incentives:** Many regions offer rebates, tax incentives, or low-interest loans for home electrification or for installing specific appliances, like heat pumps or electric vehicle chargers. If such incentives are available, they could significantly reduce the cost of electrification.
7. **Future Plans:** If you're planning on major renovations or an extension in the near future, it might be more cost-effective to include electrification as part of that project.

It's always a good idea to seek professional advice before making major changes to your home's systems. They can help you assess your specific situation and make the best decisions for your home, budget, and lifestyle.



Blue Links and Dumb Questions

The screenshot shows a Google search interface. The search bar contains the text "why should I consider electrifying my home". Below the search bar are navigation tabs for Videos, Images, News, Books, Maps, Shopping, Flights, and Finance. The search results show "About 67,000,000 results (0.53 seconds)". A featured snippet from Palmetto Solar is displayed, stating: "Electrifying your home means replacing any gas-powered device that creates carbon emissions, such as a gas furnace or gas water heater, with a zero-emissions electric alternative that often performs better, is safer, and can be much cheaper to operate." Below this is a "People also ask" section with ten questions, each with a dropdown arrow. The questions are: "Why should I electrify my home?", "Is an all electric house a good idea?", "What are the benefits of electrification?", "What are the 5 importance of electricity?", "What are the 3 main things for electricity?", "How does electricity make your life easier?", "What household things use the most electricity?", "What are the top 10 uses of electricity?", and "What are the four basics of electricity?". Below the "People also ask" section are two search results. The first is from Rewiring America, titled "Electrify Everything in Your Home", dated Dec 15, 2021. The second is from Rocky Mountain Institute, titled "Eight Benefits of Building Electrification for Households ...".

Google

why should I consider electrifying my home

Videos Images News Books Maps Shopping Flights Finance

About 67,000,000 results (0.53 seconds)

Electrifying your home means replacing any gas-powered device that creates carbon emissions, such as a gas furnace or gas water heater, with a zero-emissions electric alternative that often performs better, is safer, and can be much cheaper to operate.

Palmetto Solar
https://palmetto.com › learning-center › blog › how-to-el...

How To Electrify Your Home (and Save Money!) - Palmetto Solar

About featured snippets Feedback

People also ask

- Why should I electrify my home?
- Is an all electric house a good idea?
- What are the benefits of electrification?
- What are the 5 importance of electricity?
- What are the 3 main things for electricity?
- How does electricity make your life easier?
- What household things use the most electricity?
- What are the top 10 uses of electricity?
- What are the four basics of electricity?

Feedback

Rewiring America
https://www.rewiringamerica.org › electrify-home-guide

Electrify Everything in Your Home
Dec 15, 2021 — "Electrifying your home is an important step to take control of where your electricity comes from. This guide will lead you down the path. It is ...

Rocky Mountain Institute
https://rmi.org › eight-benefits-of-building-electrificati...

Eight Benefits of Building Electrification for Households ...



When Query Goes Commercial: Chaos & Ads

Google heat pump installers portland maine

About 23,900,000 results (0.57 seconds)

Results for **Portland, ME** · Choose area

HVAC Pros | Portland

- Sponsored**
Pine State Services
GOOGLE GUARANTEED
4.5 ★★★★★ (412)
29 years in business
Open 24/7
- Sponsored**
Aire Serv of Southern...
GOOGLE GUARANTEED
4.8 ★★★★★ (427)
117 years in business
Open now until 5 PM
- Mack Air Pro**
4.9 ★★★★★ (85)
5 years in business
Open 24/7

→ More HVAC pros in Portland

Sponsored
Efficiency Maine
https://www.energymaine.com

Heat Pump Water Heaters - Cost As Little As \$429
Tens Of Thousands Of Mainers Own **Heat Pump** Water Heaters. Learn About In-Store Discounts. Take Advantage Of Our **Heat Pump** Water Heater In-Store Discounts.

Pine State Services
https://www.pinestateservices.com › heat-pumps

Portland Heat Pump Installation Service
Call Pine State Services today at (207) 747-1210 for professional **heat pump** service and installation in **Portland, ME** and surrounding areas. Why Choose Pine ...

LaPlante Electric
https://laplanteelectric.com › portland-maine-heat-pum...

Portland Maine Heat Pumps & Installation
Providing **heat pump** installation in **Portland Maine** to homes and businesses, including Mitsubishi Mini Split and ductless A/C systems. Serving Maine and NH.

Yelp
https://m.yelp.com › ... › Heat Pump Installation

Best heat pump installation near me in Portland, Maine
Best **heat pump** installation near me in **Portland, Maine** ; ASK Mechanical. 8.6 mi · PO Box 1434, Scarborough, ME 04070. (248) 953-1006 ; Mainly Electrical. 7.0 mi.

HomeAdvisor
https://www.homeadvisor.com › tloc › Portland-ME

Heat Pump Installation Contractors in Portland, ME
Results 1 - 9 of 9 — How much do **heat pump** installation contractors typically cost? · **Portland, Maine** Average. \$5,988 · Typical Range. \$3,000 - \$5,718 · Low End - ...

Businesses

Rating Hours

Sponsored
Haley's Metal Shop, Inc. :
5.0 ★★★★★ (29) · HVAC contractor
Biddeford, ME · (207) 284-8571
Open · Closes 4 PM
Website Directions

Goggin Energy
4.7 ★★★★★ (30) · Heating equipment supplier
Portland, ME · (207) 772-7557
Open · Closes 5 PM
Provides: **Heat Pump Installation**
Website Directions

Dave's World
4.9 ★★★★★ (173) · HVAC contractor
Scarborough, ME · (207) 289-1170
Open · Closes 5 PM
Provides: **Hvac/Heat Pump Installation**
Website Directions

Atlantic Heating Company, Inc.
4.3 ★★★★★ (52) · Heating equipment supplier
Portland, ME · (207) 797-7218
Open · Closes 4:30 PM
"The **installation** was completed in two days, and Bill was there every ..."
Website Directions

More businesses →

People also ask

- How much does it cost to install a heat pump in Portland? ▾
- Are heat pumps worth it in Maine? ▾
- How much is a heat pump for a 2000 sq ft house? ▾



ANTICIPATING ITS IMPACT ON HOW HOMEOWNERS FIND CONTRACTORS



Simplified Customer Journey to Contractor Selection: Query Types



“Are heat pumps a possibility for my home?”

“How do I find a heat pump installer?”

“How do I learn more about, and contact, XYZ Home Performance?”



Simplified Customer Journey to Contractor Selection: Query Types



RESEARCH

"Are heat pumps a possibility for my home?"

CONTRACTOR FINDING

"How do I find a heat pump installer?"

EVALUATION & CONTACT

"How do I learn more about, and contact, XYZ Home Performance?"



Customer Journey & Possible Role of AI

Research & Education	Contractor Finding	Evaluation & Contact				
AI Chatbot Iterative "Conversation"	AI Chatbot for Selection Criteria AI Chat on Directory Site	Web Search Google Business Profile				



Customer Journey & Possible Role of AI

Research & Education	Contractor Finding	Evaluation & Contact	First Touch	Visit/Onsite Audit/Quote	Buy Decision/ Closing Sale	Pre-Job Communications
AI Chatbot Iterative "Conversation"	AI Chatbot for Selection Criteria AI Chat on Directory Site	Web Search Google Business Profile	Contractor Website AI Chat AI Powered Questionnaire & Data Collection (Virtual Audit) Pre-Visit AI Generated Plan	Pre-Visit Data Gathering via Chat Still Very Relationship Driven Possible AI Support to Expedite Quoting	Still Very Relationship Driven	AI Support for Scheduling AI Support for Day Of Readiness & Preparation



INTEGRATING SEARCH & AI CHAT: A LOOK AT BING



Microsoft Bing

heat pump contractor near me

SEARCH CHAT IMAGES VIDEOS MAPS NEWS MORE

Also try: [contractors that service heat pumps](#) · [tempstar heat pump contractors near me](#)

About 18,900,000 results Any time Results near Freeport, Maine Change Open links in new tab

Professional Heat Pump Service | Heat Pump Installation

<https://www.edgeenergyme.com>

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Contact Us How Can We Help You? Call Or Send Us A Message.

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<https://www.angi.com/contractors>

Ad Angi Matches You to Local **Contractors** Who Get The Job Done Right. To Get the Most Reviews from Real Customers, All for Free, Visit Angi.

angi.com has been visited by 100K+ users in the past month

Maine #1 Heat Pump Contractor | 5 Generations & Over 100 Years

<https://www.haleysmetal.com/free/estimate>

Ad Invest In Home Comfort. Gain Energy Efficiency w/ Ductless **Heat Pumps**. Get Free Estimate. Maine Local Family Business That You Can Trust For All Your Home's **Heating** and AC Needs!

Affordable Heat Pumps | Heat Pump Install Services

<https://midcoastaerus.com/heat-pumps>

Ad Call Midcoast Aerus To Request A Free Estimate On Our **Heat Pump** Services. Midcoast Aerus Makes **Heat Pumps** Affordable For Residents Of Rockland & Portland, ME.

Best Heat Pump Contractors Near Me | HomeAdvisor

<https://www.homeadvisor.com/near-me/heat-pump-contractors>

If you're looking for **Heat Pump** Install **Contractors** that serve a different city in Virginia, here are some popular suggestions: Alexandria Arlington Norfolk

Microsoft Bing

SEARCH CHAT

Peter

Welcome to the new Bing

Your AI-powered copilot for the web

Ask complex questions Get better answers Get creative inspiration

"What are some meals I can make for my picky toddler who only eats orange-colored food?"

"What are the pros and cons of the top 3 selling pet vacuums?"

"Write a haiku about crocodiles in outer space in the voice of a pirate"

Let's learn together. Bing is powered by AI, so surprises and mistakes are possible. Make sure to check the facts, and [share feedback](#) so we can learn and improve!

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Choose a conversation style

More Creative More Balanced **More Precise**

[Sign in](#) to ask more questions and have longer conversations

Ask me anything... 0/2000



I'd like to go all electric in my home—so need to replace oil heat and hot water as well as a propane stove. How do I go about finding a contractor to help me and do this work

✓ Searching for: **how to find a contractor for electric home**

✓ Generating answers for you...

That's a great idea to go all electric in your home! 🙌

To find a contractor to help you with this project, you can follow these steps:

- **Search online** for electricians near you who specialize in new construction or remodeling. You can use websites like **HomeAdvisor** ^{1 2}, **BBB** ³, or **Find It Duke** ⁴ to find local contractors who are licensed, insured, and rated by customers.
- **Get at least three quotes** from different contractors and compare their prices, services, and availability. You can also ask for references and talk to their previous clients to check their quality of work and reputation ⁵
- **Choose a contractor** based on your budget, timeline, and preferences. Make sure you communicate your referral ID if you used one of the websites above. You should also sign a written contract that outlines the scope of work, payment terms, and warranty details.

I hope this helps you find a reliable contractor for your electric home project. Good luck! 😊

Learn more: [1. homeadvisor.com](#) [2. homeadvisor.com](#) [3. bbb.org](#) **1 of 5** ●
[4. p-micro.duke-energy.com](#) [5. homeadvisor.com](#) [6. forbes.com](#) — see less



Thank you for your help.

How much does it cost to go all electric?

What are the benefits of going all electric?

New topic

Ask me anything...



What are the benefits of going all electric?

✓ Searching for: **benefits of going all electric home**

✓ Generating answers for you...



Going all electric has many benefits for your home and the environment. Here are some of them:

- **Cost savings:** All-electric homes can save you money on your energy bills by using more efficient appliances and avoiding the need for gas lines and meters. You can also take advantage of incentives and rebates for switching to electric appliances and renewable energy sources ¹ ²
- **Lower carbon emissions:** All-electric homes can reduce your carbon footprint by eliminating the use of fossil fuels for heating, cooling, and cooking. If you power your home with renewable electricity, you can further cut down on greenhouse gas emissions and help fight climate change ² ³
- **Better indoor air quality:** All-electric homes can improve your health and comfort by avoiding the release of combustion products such as nitrogen dioxide, carbon monoxide, and carbon dioxide into the air. These gases can cause respiratory problems, headaches, nausea, and other health issues. Electric appliances do not have naked flames or gas leaks that can pose fire and explosion risks ¹ ²

These are some of the benefits of going all electric in your home. I hope this answers your question. 😊

Learn more: [1. attainablehome.com](#) [2. greencoast.org](#) [3. rmi.org](#) [+1 more](#)

2 of 5 ●



Thank you for the information.

How much does it cost to go all electric?

How long does it take to go all electric?



How much does it cost to go all electric?

✓ Searching for: **cost of going all electric home**

✓ Generating answers for you...



The cost of going all electric in your home depends on several factors, such as:

- The size and location of your home
- The type and efficiency of your electric appliances
- The availability and price of electricity and gas in your area
- The need for upgrading your electrical service or wiring
- The incentives and rebates offered by your utility or government

According to a study by the **Home Innovation Research Labs**¹, the added cost of constructing an all-electric home ranged from **\$4,000 to \$15,100** compared to a gas-powered home, depending on the climate zone and the type of heat pump used. The annual energy use costs were also affected by the climate and the electricity rates, with some all-electric homes saving money and others paying more than gas homes.

Another study by the **Rocky Mountain Institute**² found that all-electric homes could save homeowners **\$6,800 to \$19,300** over 15 years compared to mixed-fuel homes, depending on the location and the carbon intensity of the grid.

These studies suggest that going all electric can be a cost-effective option for many homeowners, especially if they can take advantage of renewable energy sources and energy efficiency measures. However, the exact cost and savings will vary for each individual case. You may want to consult with an energy auditor or a contractor to get a more accurate estimate for your home. 😊

Learn more: [1. nahb.org](https://www.nahb.org) [2. greentechmedia.com](https://www.greentechmedia.com) [3. grist.org](https://www.grist.org) [4. waterwoodestate.com](https://www.waterwoodestate.com)

3 of 5 ●



Thank you for the explanation.

How can I find an energy auditor or a contractor?



How can I find an energy auditor or a contractor?

✓ Searching for: **how to find an energy auditor or a contractor**

✓ Generating answers for you...




To find an energy auditor or a contractor, you can try the following options:

- **Check with your state or local government energy or weatherization office.** They may help you identify a local company or organization that performs audits or offers electrification services ¹
- **Check with your energy utility.** They may conduct residential energy assessments or recommend local auditors or contractors. They may also offer incentives and rebates for switching to electric appliances and renewable energy sources ¹
- **Check with professional certification organizations.** They may provide directories of certified professionals near you who have industry-accepted credentials and training. For example, you can use the **Residential Energy Services Network** ¹ or the **Building Performance Institute** ² to find certified energy auditors.
- **Check online platforms.** You can use websites like **HomeAdvisor** ³, **Angie's List**, or **Thumbtack** to find local contractors who are licensed, insured, and rated by customers. You can also read reviews and compare prices and services.

I hope this helps you find a qualified energy auditor or contractor for your project. 😊

Ad



Looking for an Energy Auditor? - Home Energy Auditor
<https://www.thumbtack.com>
 Sometimes, getting started is the hard part. Thumbtack makes finding the right pro easy. [Learn More](#)

Learn more: [1. energy.gov](#) [2. bpi.org](#) [3. homeadvisor.com](#) [4. everbluetraining.com](#) 4 of 5 ●

- Thank you for the tips.
- What should I expect from an energy audit?
- What questions should I ask an energy auditor or a contractor?



What should I expect from an energy audit?

- ✓ Searching for: **what to expect from an energy audit**
- ✓ Generating answers for you...

An energy audit is a process of evaluating your home's energy use and finding ways to improve its efficiency, comfort, and safety. An energy audit can help you save money on your energy bills, reduce your carbon footprint, and increase your home's value ¹

There are two types of energy audits: professional and do-it-yourself. A professional energy audit is more thorough and accurate, but also more expensive. A do-it-yourself energy audit is less comprehensive and reliable, but also cheaper and easier ²

Here's what you can expect from an energy audit:

- **During the energy audit**, the auditor will ask you questions about your home and its use, such as how many people live there, what are your thermostat settings, and when do you use the most energy. The auditor will also conduct tests to measure your home's energy consumption, such as a blower door test to check for air leaks, a duct blaster test to check for duct leaks, an infrared camera to check for insulation gaps, and a gas leak detector to check for gas leaks. The auditor will also inspect your home's appliances, lighting, windows, doors, heating and cooling systems, water heater, and ventilation ^{3 4 5}
- **After the energy audit**, the auditor will provide you with a detailed report that shows your home's current energy performance, identifies the problem areas and their causes, and recommends the best solutions to improve your home's efficiency. The report will also estimate the potential energy savings, costs, and payback periods of each improvement. The auditor may also help you find incentives and rebates for making the upgrades ^{3 2 5}

An energy audit is a valuable tool to help you make informed decisions about your home's energy use. I hope this helps you understand what to expect from an energy audit. 😊

Learn more: [1. justenergy.com](#) [2. energy.gov](#) [3. energy.gov](#) [4. carboncollective.co](#) [+1 more](#) 5 of 5 ●





Reset chat

Bard Activity

FAQ

Updates

Help & support



I'd like to go all electric in my home--so need to replace oil heat and hot water as well as a propane stove. How do I go about finding a contractor to help me and do this work



View other drafts



Here are some tips on how to find a contractor to help you go all electric in your home:

1. **Get multiple estimates.** It's important to get multiple estimates from different contractors before making a decision. This will help you ensure that you're getting a fair price for the work.
2. **Check references.** Once you've narrowed down your choices, be sure to check the references of the contractors you're considering. This will give you a good idea of their work quality and customer service.
3. **Make sure the contractor is licensed and insured.** It's important to make sure that the contractor you hire is licensed and insured. This will protect you in case something goes wrong with the work.
4. **Get everything in writing.** Before any work begins, be sure to get everything in writing. This includes the scope of work, the timeline, and the cost.
5. **Be prepared to pay a deposit.** Most contractors will require a deposit before they begin work. The amount of the deposit will vary depending on the contractor and the scope of work.

Here are some additional tips for finding a contractor to help you go all electric in your home:

- Ask your friends, family, and neighbors for recommendations.
- Check online reviews.
- Contact your local home improvement store or hardware store.
- Look for contractors who are members of the National Electrical Contractors Association (NECA).

Once you've found a contractor, be sure to ask them about their experience with all-electric homes. You should also ask them about the different types of electric heating and hot water systems that are available.

Going all electric in your home can be a great way to save money on your energy bills and reduce your carbon footprint. By following these tips, you can find a qualified contractor to help you make the switch.

Enter a prompt here



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Bard may display inaccurate or offensive information that doesn't represent Google's views.



PREPARING FOR A BRAVE NEW WORLD



What We're Doing

Testing, Trying and Learning

Constant Vigilance by the Energy Circle AI Task Force

All the Things We Currently Do for SEO & Local but ***Amplified***

- Emphasis on clear, concise, well-structured content
- Heading and subheadings to understand structure
- Keywords, keywords, keywords
- High quality, original content
- Technical SEO for accessibility
- Renewed importance of Directories



QUESTIONS?

Peter Troast
peter@energycircle.com

